2025

PERIODIC REVIEW REPORT

FOR
FORMER MOBIL SERVICE STATION 99-MST
979 MAIN STREET (1001 MAIN STREET)
NYSDEC SITE #C915260
CITY OF BUFFALO, ERIE COUNTY, NEW YORK

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JULY 2025

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ACRONYM LIST

C&S	C&S ENGINEERS, INC.
BGS	BELOW GROUND SURFACE
BCP	BROWNFIELD CLEANUP PROGRAM
BCA	BROWNFIELD CLEANUP AGREEMENT
BTEX	BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
DUSR	DATA USABILITY AND SUMMARY REPORT
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
IRM	INTERIM REMEDIAL MEASURES
NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PCOC	PRIMARY CONTAMINANT OF CONCERN
PID	PHOTO-IONIZATION DETECTOR
PPM	PARTS PER MILLION
RI	REMEDIAL INVESTIGATION
SCO	SOIL CLEANUP OBJECTIVES
SMP	SITE MANAGEMENT PLAN
SVOC	SEMI-VOLATILE ORGANIC COMPOUNDS
VOC	VOLATILE ORGANIC COMPOUNDS

EXECUTIVE SUMMARY

C&S Engineers, Inc. (C&S) has prepared this 2025 Periodic Review Report for the former Mobil Service Station 99-MST - 979 Main Street (1001 Main Street) (hereinafter referred to as the Site) located at 1001 Main Street in Buffalo, New York.

The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index #C915260-03-12, Site #C915260, which was executed on June 15, 2012 and amended on:

- August 7, 2012 to modify the BCP boundary increasing the size of the Site;
- January 3, 2014 to add Conventus Partners, LLC as an owner; and
- November 7, 2014 to change SBL numbers for the Site.

BCA Volunteers included Kaleida Properties Inc., Kaleida Health and F.L.C 50 High Street Corporation. In December 2020, Conventus Partners, LLC and Kaleida Properties Inc. entered a ground lease for the property with Seavest Core Buffalo Conventus LLC to operate and maintain the property. A figure showing the Site location and boundaries is provided in **Figure 1** and **Figure 2**.

Remedial activities consisted of installing steel shoring around the property and removing contaminated soil and groundwater to approximately 26 – 40 feet below ground surface. After completion of the remedial work, some contamination remained in the subsurface at this Site. A Site Management Plan (SMP) was prepared on November 28, 2014 to manage remaining groundwater contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36.

Petroleum contaminated groundwater is present within a discontinuous layer of coarse sand and gravel located between 32 and 35 feet below ground surface. This layer generally ranges from six inches to three feet thick, provides a preferential pathway for groundwater flow, and is confined within dense silt and fine sand present above and below the groundwater bearing zone.

During the remedial efforts, seven groundwater monitoring wells were installed prior to the installation of the two floors of underground parking. These monitoring wells were used to conduct in-situ injections by gravity feeding chemical oxidants into the groundwater bearing zone. A total of 2,480 pounds of chemical oxidant was used over three treatment events. Treatments occurred from December 2013 to June 2015. Groundwater samples following the in-situ injections show minor reductions in petroleum compounds.

In 2016, C&S conducted a limited groundwater extraction on the wells with the highest contaminant levels. Contaminated groundwater was pumped from the wells and treated with 200 pounds of activated carbon before discharging into the sanitary sewer. A total of 4,762.2 gallons of contaminated groundwater was removed. Groundwater samples collected in December 2015, January 2016, and March 2016 showed a slight reduction in petroleum compound concentrations.

The current ISCO treatment method is smaller pressurized injections around each target location on a periodic schedule. A total of six temporary PVC injection points were installed around BCP-MW-6 and BCP-MW-5. Each treatment injects a total of 800 pounds (130 pounds per injection point) of chemical oxidant. Groundwater monitoring is conducted biannually.

All institutional and engineering controls are in compliance with the SMP, and no excavations were performed onsite during the certifying period. To address the continued elevated concentrations of petroleum compounds in the groundwater, C&S recommends the completion of additional treatment methods, including the implementation of a slow-release chemical oxidation method.

The Institutional and Engineering Controls Certification form is provided in **Appendix B**.

1 SITE OVERVIEW

1.1 Site Description

The Site is located in the City of Buffalo County of Erie County, New York and is identified below on the Erie County Tax Map.

SBL: 100.79 – 1- 1.1

Street Number: 1001 Main Street, Buffalo

(formerly 979 Main Street)

Land Owner:

SBL: 100.79 – 1- 1.1/1

Street Number: 1001 Main Street, Buffalo

(formerly 979 Main Street)

Land Owner: Seavest Core Buffalo Conventus, LLC

SBL: 100.79 – 1- 1.1/2

Street Number: 1001 Main Street, Buffalo

(formerly 979 Main Street)

1st – 6th Floor Building Owner: Seavest Core Buffalo Conventus, LLC

SBL: 100.79 – 1- 1.1/3

Street Number: 1001 Main Street, Buffalo

(formerly 979 Main Street)

7th Floor Building Owner: Fort Schuyler Management Corp. (an entity New York State)

The Site is an approximately 1.72-acre area bounded by Goodrich Street to the north, High Street to the south, parking lot to the east, and Main Street to the west. The BCP project boundary extends approximately 40 feet east onto the adjacent eastern parcel, (818 Ellicott Street, SBL: 100.79-1-2.11) owned by Kaleida Health (see **Figure 1 and 2**).

1.2 Geology and Hydrogeology

The Conventus Medical Office Building currently occupies the Site. During remedial activities, steel shoring was installed to a depth of 40 to 50 feet below grade around the Site. Across the majority of the Site, soils were excavated to 26 feet below ground surface (bgs). Two floors of underground parking were constructed underneath the Conventus building.

The Site geology begins at 26 feet bgs. Subsurface soils consist of dry to moist fine sand and silt formation extends to nearly 70 feet bgs. Below this massive sand and silt formation is a discontinuous coarse sand and gravel layer that grades to a sand, gravel, and clay till formation. Underlying the overburden is a grey cherty limestone formation at approximately 90 feet bgs.

The principal groundwater bearing zone beneath the Site is located within the coarse sand and gravel layer between 32 and 35 feet bgs. This layer is of variable thickness (generally 6 inches to three feet) but is horizontally discontinuous. The layer is located within the central and northeastern portions of the Site, but does not extend completely to the southern, northwestern or southeastern areas of the Site

and is confined by the dense fine sands and silt above and below the groundwater bearing zone.

1.3 Nature and Extent of Contamination

During the Interim Remedial Measure (IRM), grossly contaminated soil and groundwater were removed from the Site. In total, 67,458 tons of soil were sent for disposal or treatment due to gasoline contamination. The remaining contamination left on-site consists of petroleum impacted groundwater. Groundwater sampling that occurred prior to the IRM confirmed that the Primary Contaminants of Concern (PCOCs) are limited to petroleum hydrocarbons.

Groundwater flows within the coarse sand/gravel groundwater bearing zone to the northeast. Groundwater recharge from the surface has been eliminated due to the concrete floor of the parking garage, which effectively covers 100% of the Site recharge area. Additionally, below grade migration has been effectively stopped by the presence of deep sheet piling that cuts off the groundwater bearing zone from the remaining off-site formation around the majority of the Site. The lack of a vertical recharge from the surface and the horizontal containment in the groundwater bearing zone was designed to contain the remaining groundwater on-site and reduces the future contaminant loading into the surrounding off-site formation. However, a small gap in the sheet piling along the southwestern corner may provide a route for off-site contamination to impact the Site's groundwater.

1.4 Site History

Contamination is related to the historic use of the property as a gas station and originally was sourced from leaking underground storage tanks located above the "Deep Excavation Area" (see **Figure 3**).

For over 40 years, the light non-aqueous phase liquid (LNAPL) filtered downward from the base of the tank to a depth of approximately 40 feet bgs. LNAPL intercepted the groundwater at approximately 32 feet bgs. The water table is present within a semi-confined coarse sand and gravel lens. This lens varies in thickness (1/2 to 3 feet) and extends to the northeast, confined laterally to the east and west. Because of low carbon in the fine sand silt and gravel formations, breakdown of benzene, toluene, ethylbenzene and xylene (BTEX) compounds was slow. This resulted in high volatile organic compounds (VOC) soil gas in the unsaturated zone below the release area and the continual loading of BTEX into the groundwater from the LNAPL. Soil Contamination (exceeding Residential Use SCOs), below the LNAPL layer was noted to extend to a depth of 35 to 40 feet bgs. This area has been identified as the Source Area for groundwater contamination.

Dissolved BTEX, once entering the groundwater bearing zone was transported via localized, preferential groundwater flow to the northeast corner of the Site (Following the location of the coarse sand/gravel lens).

To redevelop the property into a medical office building, the Applicants (BCP F.L.C. 50 High Street, Corporation, Kaleida Health, Kaleida Properties, Inc. and Conventus Partners, LLC) acting as Brownfield Cleanup Program (BCP) Volunteers, submitted a BCP Application for the Site on November 28, 2011. The Applicants and the New York State Department of Environmental Conservation (NYSDEC) signed the Brownfield Cleanup Agreement (BCA) on June 15, 2012.

The NYSDEC approved IRM was implemented on January 2013. The following is a summary of the IRM performed at the Site:

1. Excavation of soil/fill exceeding restricted residential SCOs to 26 feet bgs;
2. Excavation of soil from the Source Area to 40 feet bgs;
3. Removal of LNAPL and contaminated groundwater;
4. Backfilling with clean fill and construction of concrete floor;
5. Backfilling the Source Area with flowable fill; and
6. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site.

The removal of soils in the Source Area ("Area of Deep Excavation" in **Figure 3**) also included the removal of the groundwater bearing zone. During soil removal, 1,997 tons of groundwater and LNAPL was removed from the excavation and properly disposed off-site. The groundwater bearing zone within the Source Area was replaced with flowable fill, sealing this area off from the adjacent groundwater bearing zone beneath the Site.

Remedial activities were completed at the Site in October 2013. Implementation of the IRM, including source removal, was effective in removing any remaining free product grossly contaminated soils and the groundwater containing the highest dissolved BTEX. However, residual groundwater contamination remains on-site.

Following mass excavation activities, seven new wells were installed on-site.

Table 1-1: Post-Remediation Wells

Well ID	Diameter
BCP-MW-1	2"
BCP-MW-2	8"

BCP-MW-3	8”
BCP-MW-4	2”
BCP-MW-5	2”
BCP-MW-6	8”
BCP-MW-7	2”

Note that one well (BCP-MW-2) was installed adjacent to the flowable fill within the Source Area. This well did not produce water. A second well, BCP-MW-6, was installed along the western side of the deep excavation, along the tiered excavation area and did intercept the portion of the groundwater bearing zone remaining along the shoring. This well did produce water for sampling. All other wells were installed through native materials and the gravel water bearing layer. All wells were installed to an approximate depth of 43 feet below surrounding grade (approximately 16 feet below basement floor elevation).

The monitoring wells are located in areas of previously identified groundwater contamination and to the south of the plume to confirm that contamination had not moved off-site to the south.

BCP-MW-2 was installed adjacent to the Source Area that was backfilled with flowable fill. Since its installation, this well has been dry. NYSDEC requested the well be modified to evaluate if groundwater underneath the flowable fill mass contains residual contamination. On October 7, 2015 Nature’s Way Environmental installed a 1-inch PVC well through the existing BCP-MW-2 to a final depth of 50 feet bgs. The modified well has remained dry. This provides additional evidence that groundwater and petroleum contamination are limited to the coarse sand and gravel layer 32 to 35 feet bgs.

1.4.1 Pump and Treat Pilot Studies

Limited groundwater extraction was conducted on-site to determine if contaminant levels could be reduced using pump and treat techniques. The first pilot study was implemented from December 2015 to March 2016. A second pilot study was implemented from November 2016 to January 2017.

Groundwater was removed using submersible electric pumps. The total volume of groundwater removed was 4,762.2 gallons during the first event and 6,161 gallons during the second event.

Groundwater sampling was conducted before and after groundwater withdrawal events. Based on sampling results, the Pump-and-Treat Pilot studies did not appear to have a significant effect on groundwater contaminant concentrations.

1.4.2 In-situ Injections

The remedial method selected for the Site was in-situ chemical oxidation (ISCO) using RegenOX manufactured by Regenesis. RegenOX is sodium percarbonate formulated to degrade petroleum hydrocarbons through direct oxidation and through the generation of free radical compounds which will also oxidize contaminants. RegenOx produces minimal heat and pressure and is non-corrosive, making it a relatively safe chemical oxidant that is compatible for use in direct contact with underground infrastructure such as utilities, tanks, piping, and communication lines. This was an important characteristic when selecting the ISCO product due to the close proximity of the monitoring wells to the earth retention sheeting for the Conventus Building.

The amount of RegenOX used was calculated based on Site specific data and professional experience of C&S and Regenesis. RegenOX was mixed with tap water in 55-gallon drums at a concentration of 100 pounds of RegenOX with 110 gallons of water for each location.

In-situ treatment consisted of gravity-feeding a chemical oxidizer mixed with water directly into monitoring wells, BCP-MW-3, BCP-MW-4, BCP-MW-5, and BCP-MW-6. Groundwater samples were collected approximately three months after treatment. The first ISCO treatment was conducted on December 12, 2013.

Evaluation of the gravity fed treatments determined this method was not effective at reducing groundwater contaminants. A work plan for increasing the amount of treatment solution using pressure injections was developed. Borings were advanced in the lower floor of underground parking to apply in-situ treatments under pressure directly into the contaminated sand and gravel lens.

The ISCO solution was directly injected into the soil in 12 borings in the sub-basement. Three borings were advanced adjacent to each monitoring well listed below:

- BCP-MW-3
- BCP-MW-5
- BCP-MW-4
- BCP-MW-6

Each injection boring had to be carefully located to avoid hitting utilities located underneath the floor, with the intent of being within 10 to 15 feet of each monitoring well. Each injection boring was advanced into the coarse sand and gravel layer, approximately 15 feet below the concrete floor.

The ISCO solution was pumped from the mixing station to a truck mounted geo-probe and into the subsurface. The mix of RegenOX and water was injected under pressure in each boring, and the 12 injection borings received approximately 100 pounds of RegenOx. Additionally, 100 pounds of ISCO material was gravity fed directly into each monitoring well. A total of 1,600 pounds of RegenOx was used for each treatment event. For two treatments, a total of 3,200 pounds of RegenOX was used. These large treatment events resulted in mixed results; some locations showed an increase in contaminant concentrations, likely due to additional petroleum desorption, other locations indicated a significant decrease of petroleum contaminants.

Starting in 2018 ISCO treatment method changed to smaller pressurized injections around each target location on a quarterly schedule. A total of six temporary PVC injection points were installed around BCP-MW-6 and BCP-MW-5. Each quarterly treatment injects a total of 800 pounds (130 pounds per injection point) of chemical oxidant. Groundwater monitoring is conducted biannually.

The following provides all ISCO injections that have occurred to date:

December 12, 2013

July 28, 2014

June 24, 2015

May 24 – 25, 2017

September 13 - 15, 2017

May 31, 2018

July 6, 2018

October 1, 2018

January 8 – 11, 2019

June 11 - 12, 2019

October 16 – 17, 2019

November 12 – 13, 2019

March 31 – April 1, 2020

June 23 – 24, 2020

September 21 – 24, 2020

January 5 – 8, 2021

June 1 – 4, 2021

August 13 – 14, 2021

October 13 – 14, 2021

2 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The table below presents a comparison of total VOC and BTEX concentrations from each monitoring well and the percent change from pre-treatment and post-treatment groundwater monitoring. A copy of complete laboratory analytical results is provided in **Appendix A**.

Table 2-1: VOC Concentration Change

Monitoring Well	*Percent Change Post Injections* *August 2023 to October 2024*	*Percent Change Post Injections* *October 2024 to April 2025*	*Maximum Concentration since September 2013*	*Percent Change Post Remediation* *Maximum to April 2025*
BCP MW-1	-100	-100	216.7	-100
BCP MW-3	+380	+40	11,730	-88
BCP MW-4	+35	-66	4,577	-91
BCP MW-5	-16	-66	18,072	-89
BCP MW-6	+1.67	+133	5,560.5	-100
BCP MW-7	-100	+3.2	136.17	-97

Note: Negative value indicates decrease in concentration and positives value indicates increase in concentration
BCP-MW-2 was dry. No samples were collected. (First round of post-remediation sampling occurred on September 20th, 2013.)

Table 2-2: BTEX Concentration Change

Monitoring Well	*Percent Change Post Injections* *August 2023 to October 2024*	*Percent Change Post Injections* *October 2024 to April 2025*	*Maximum Concentration since September 2013*	*Percent Change Post Remediation* *Maximum to April 2025*
BCP MW-1	-100	-100	82.7	-100
BCP MW-3	+204	+89	11,610	-94
BCP MW-4	+22	-71	4,191	-96
BCP MW-5	-16	-77	17,670	-95
BCP MW-6	+0.48	-100	5,398	-100
BCP MW-7	-100	-100	115.70	-100

Note: Negative value indicates decrease in concentration and positives value indicates increase in concentration
BCP-MW-2 was dry. No samples were collected. (First round of post-remediation sampling occurred on September 20th, 2013.)

Table 2-1 and **Table 2-2** show consistent decreases in contaminant concentrations from when remedial activities began in September 2013. However, from August

2023 to April 2025, BCP MW-3 showed an increase in both VOC and BTEX concentrations, and BCP MW-6 and BCP MW-7 showed increases in VOC concentrations. These increases have been observed during the in-situ injection program multiple times. The injection product has chemicals that actively desorb VOCs from the soil and still may be having an effect over time. This temporarily increases the dissolved VOC concentrations in the groundwater while other chemicals degrade the VOCs. In addition, injection products have a significant delayed reduction on contaminant concentrations due to nearly zero groundwater movement within the footprint of the Conventus Building. Permanent steel shoring has cut off the groundwater underneath the building resulting in very slow movement of treatment solution to contaminated areas. However, compared to the maximum concentrations observed post remediation, all monitoring wells have experienced a decrease in both BTEX and total VOCs.

Graph 1 shows total BTEX concentrations over time. **Figure 3** shows the historic BTEX concentrations from each well. **Graph 2** shows total VOC concentrations over time.

Despite the increase in VOC concentrations in three out of the six sampled monitoring wells, the remedy is demonstrating effectiveness and protectiveness for the following reasons:

- The residual contamination is over 30 feet below ground surface or seven to ten feet below the surface of the lowest parking floor. The general public would not be exposed to contaminated water. Most utilities in the area are much shallower than the contamination; therefore, the risk to construction workers is low.
- Based on previous investigations conducted by C&S (including downgradient sampling conducted 2016), the residual contamination is confined to the footprint of the building and the Main Street Right-of-Way site along the western foundation of the Conventus building due to the steel shoring cutting off groundwater flow.
- Exposure to any potential soil vapor is significantly mitigated to the occupants of the building and surrounding area due to two floors of underground parking designed with ventilation systems, vapor barrier on the lower floor and a passive sub-slab depressurization system.

Considering that the residual contamination is isolated both vertically and horizontally on the Site, the remedy is protective of the public and environment.

3 IC/EC PLAN COMPLIANCE REPORT

3.1 IC/EC Requirements and Compliance

As stated in the 2014 Decision Document, the remedial action objectives (RAO) selected for this Site are:

3.1.1 Groundwater

RAOs for Public Health Protection

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

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Prevent the discharge of contaminants to surface water.

3.1.2 Soil

RAOs for Public Health Protection

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

RAOs for Environmental Protection

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

3.1.3 Soil Vapor

RAOs for Public Health Protection

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

3.1.4 Institutional Controls

The institutional controls for this Site are:

- The Site may only be used for restricted residential use provided that the long-term Engineering and Institutional Controls included in this SMP are employed;
- The Site may not be used for a higher level of use, unrestricted or residential use, without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the Site that will disturb remaining contaminated material must be conducted in accordance with this SMP;

- The use of the groundwater underlying the Site is prohibited by the City of Buffalo; and
- Vegetable gardens and farming on the Site are prohibited.

The Site has not changed owners and the land use of the Site has not changed. All intuitional controls for this Site are in accordance with requirements of the Environmental Easement.

3.1.5 Engineering Controls

The engineering controls for this Site are:

- Groundwater treatment and monitoring using the seven wells installed in the sub-basement of the building

All engineering controls for this Site are in accordance with requirements of the Environmental Easement.

3.2 IC/EC Certification

As required, the Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certificate Form has been completed and a copy is provided in **Appendix B**.

4 MONITORING PLAN COMPLIANCE REPORT

The SMP identified the need for continued monitoring of groundwater conditions at the Site, including the periodic measuring of water levels and collecting groundwater samples for VOC analysis.

The following monitoring wells are included in the groundwater monitoring plan:

- BCP-MW-1
- BCP-MW-2
- BCP-MW-3
- BCP-MW-4
- BCP-MW-5
- BCP-MW-6
- BCP-MW-7

All monitoring wells were sampled with the exception of BCP-MW-2, which has remained dry since its installation.

The groundwater monitoring activities included the collection of depth-to-water measurements at each monitoring well, collecting PID readings from the well heads before sampling as well as during sampling, and the collection of groundwater samples for laboratory analysis. Once the groundwater samples were collected excess purge water was disposed of in approved drums containing activated carbon that are stored onsite. Groundwater sampling was conducted in accordance with the U.S. Environmental Protection Agency Low flow sample procedure. Groundwater sample occurred on the dates below:

September 20, 2013	March 22, 2016	November 30, 2018	December 14, 2022
March 19, 2014	June 3, 2016	July 30, 2019	March 28, 2023
May 22, 2014	October 25, 2016	December 4, 2019	August 24, 2023
March 11, 2015	December 8, 2016	May 13, 2020	October 2, 2024
June 17, 2015	January 20, 2017	November 25, 2020	April 25, 2025
August 3, 2015	May 17, 2017	May 14, 2021	
October 7, 2015	July 5, 2017	December 14, 2021	
December 14, 2015	November 2, 2017	April 7, 2022	
January 27, 2016	August 18, 2018	August 25, 2022	

Figure 3 shows the location of the groundwater wells in the sub-basement of the Conventus building.

Table 1A presents detected compounds over previous monitoring events. **Table 1B** provides sample results for this reporting period. Data Usability Summary Reports (DUSR) for this reporting period are provided in **Appendix D.**

5 OPERATION AND MAINTENANCE PLAN COMPLIANCE

The only maintenance items are those associated with the monitoring wells. Minor maintenance to the well caps, PVC risers and road boxes are recommended for some of the monitoring wells. These issues do not interfere with groundwater monitoring or the integrity of the samples.

The minor repairs were not yet completed that were noted in the previous periodic review report, the repairs will be completed during the next sampling event.

6 CONCLUSIONS

Based upon the remedial activities performed, the following conclusions have been formulated:

- All of the required work was completed and is reported herein.
- The remedial activities performed at the Site have prevented any adverse risk to human health and the environment.

7 RECOMMENDATIONS

In February of 2025, C&S and the NYSDEC discussed the possibility to reduce the in-situ injection activities. C&S recommends the following:

- Groundwater sampling will be conducted annually on all the monitoring wells in the sub-basement of the Site. All groundwater samples will be collected for VOCs and analyzed using EPA Method 8260.
- If VOC concentrations show a trend upward over three monitoring events, then the in-situ injection program will be re-started.

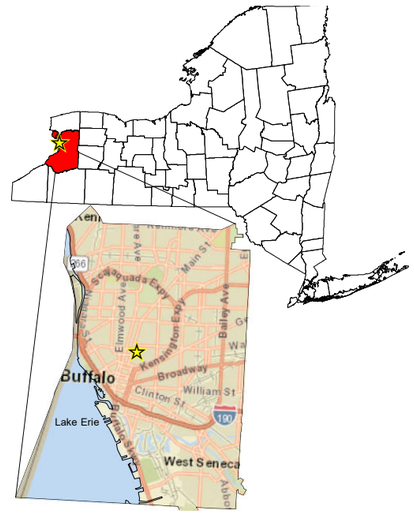
The NYSDEC denied changing to an annual sampling program. The injection program was temporarily halted unless a continued upward trend is identified. The monitoring wells have continued to show a fluctuation in concentrations consistent to concentrations during injections. Injections will continue to be halted unless a consistent rise in concentrations is observed over three monitoring events.

Two monitoring wells show an upward trend in VOC concentrations. The next rounds of sampling will once again determine if the injection program will need to be restarted.

Semi-annual monitoring will continue for the Site until conditions change.

FIGURES





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FORMER MOBIL STATION 99-MST
979 MAIN ST (1001 MAIN ST)
BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION

REVISIONS

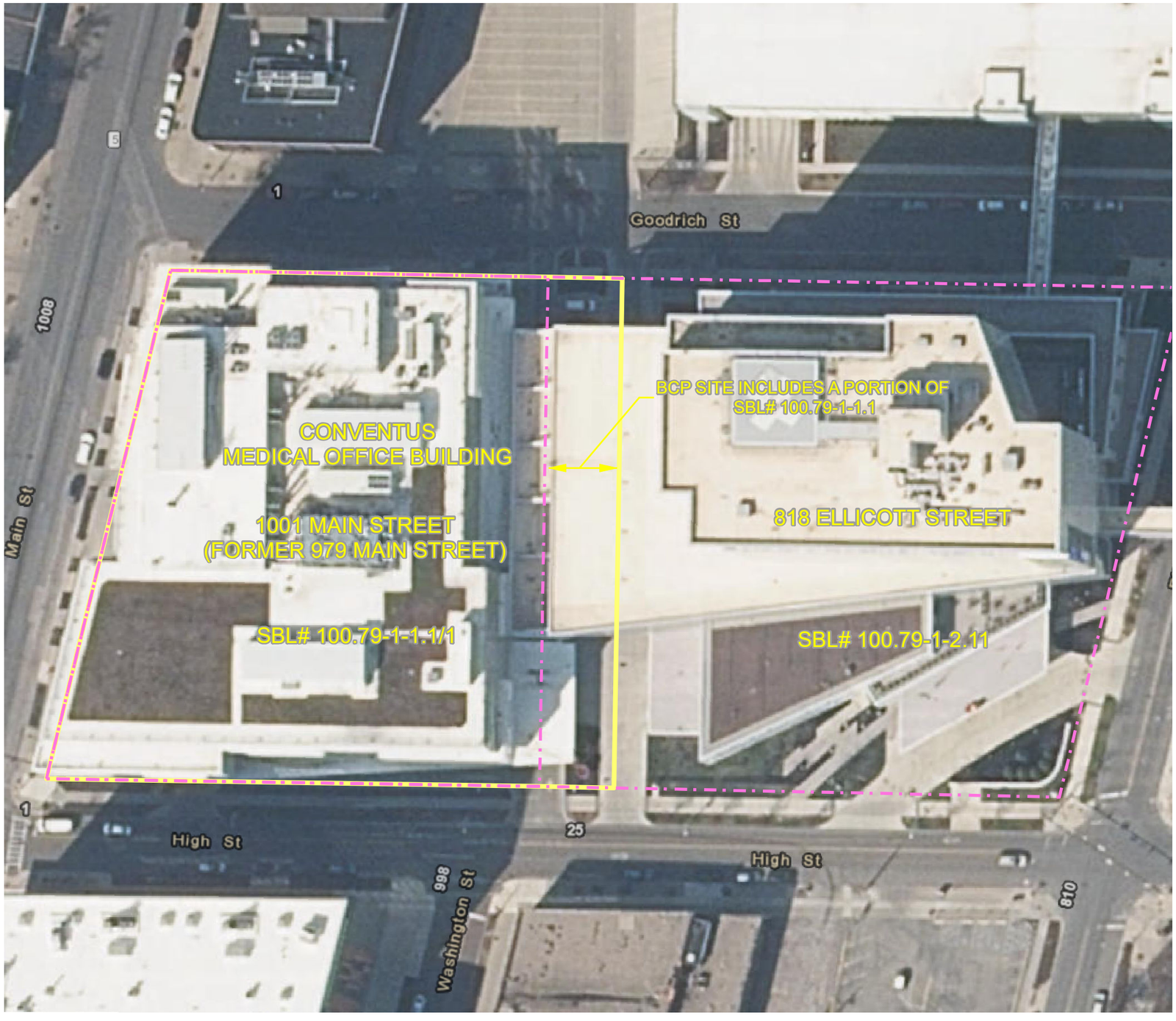
PROJECT NO:	U86.001.005
DATE:	APRIL 2023
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

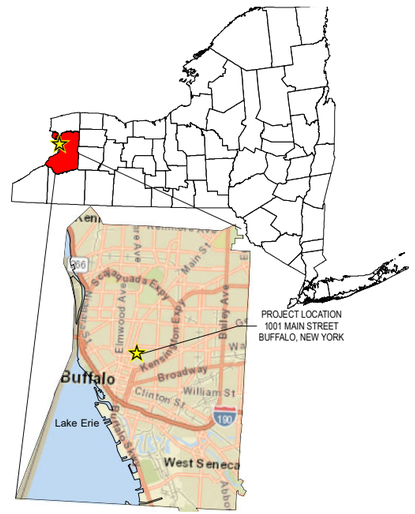
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

SITE LOCATION

FIGURE 1

Path: F:\Project\U86 - Seavest Core Buffalo Conventus, LLC\PRR\2023\figure1_site location.mxd





Legend

- Parcel Boundary
- Brownfield Cleanup Program Boundary

Property Note

1) The BCP Project Area ("Site") includes the entire western parcel [1001 Main Street (formerly 979 Main Street)] and extends approximately 40 feet east onto the adjacent eastern parcel (818 Ellicott Street). Total acreage of the BCP Project Site is 1.72 acres.

Notes

1) Groundwater elevation benchmark.

2) Coordinate System: NAD 1983 StatePlane NY West FIPS 3103
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US

0 30 60 120 Feet

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MARK	DATE	DESCRIPTION
REVISIONS		

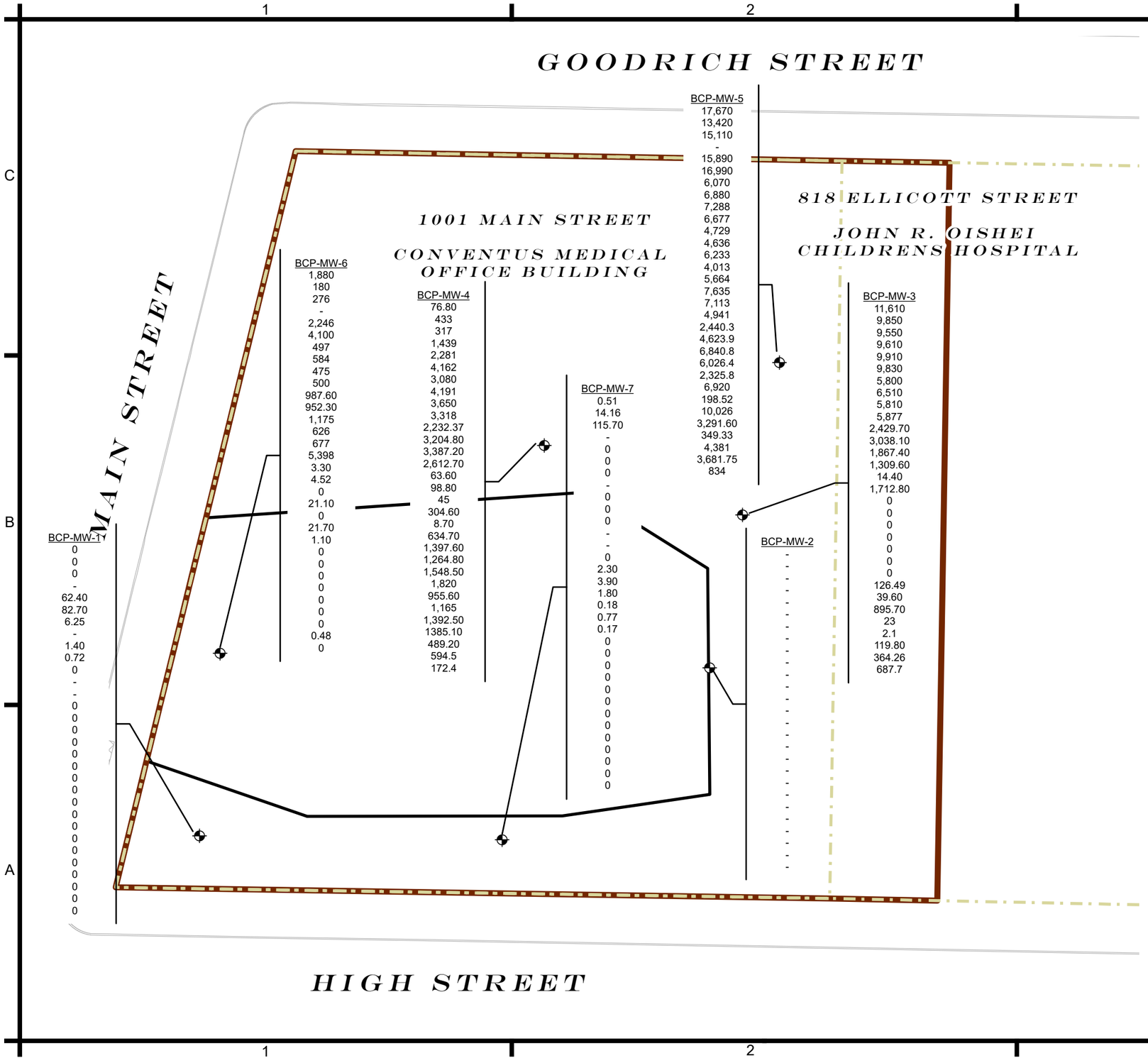
PROJECT NO:	U86.001.005
DATE:	APRIL 2023
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

PROJECT BOUNDARIES

FIGURE 2

Path: F:\Project\U86 - Seavest Core Buffalo Conventus, LLC\PRR\2023\figure2_project boundaries.mxd


GOODRICH STREET
MAIN STREET
1001 MAIN STREET
CONVENTUS MEDICAL OFFICE BUILDING
818 ELLICOTT STREET
JOHN R. OISHEI CHILDRENS HOSPITAL
HIGH STREET
BCP-MW-1
0 0 0 - 62.40 82.70 6.25 - 1.40 0.72 0 - - 0 0 0

TABLES

Table 1A

GROUNDWATER ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS FROM PREVIOUS MONITORING EVENTS
FORMER MOBIL STATION 99-MST 979 MAIN STREET (1001 MAIN STREET) BROWNFIELD CLEANUP

SAMPLE ID				BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6
SAMPLING DATE				7/30/2019		7/30/2019		7/30/2019		7/30/2019		7/30/2019		7/30/2019		12/4/2019		12/4/2019		12/4/2019		12/4/2019		12/4/2019		12/4/2019		3/31/2020		3/31/2020		3/31/2020		3/31/2020		3/31/2020
SAMPLE TYPE				WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER
	NY-TOGS-AQWS	Units	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results
Volatile Organics																																				
Methylene chloride	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	.25	ND	62	ND
1,1-Dichloroethane		ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	.25	ND	62	ND
Chloroform	7	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	.25	ND	62	ND
Carbon tetrachloride	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
1,2-Dichloropropane	1	ug/l	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	1J	4	ND	20	0.2J	1	ND	1	ND	1	ND	1	ND	10	ND	25	ND
Dibromochloromethane	50	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
1,1,2-Trichloroethane	1	ug/l	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	6	ND	30	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	15	ND	38	ND
Tetrachloroethene	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
Chlorobenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Trichlorofluoromethane	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
1,2-Dichloroethane	0.6	ug/l	0.5	0.15J	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
1,1,1-Trichloroethane	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Bromodichloromethane	50	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
trans-1,3-Dichloropropene	0.4	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
cis-1,3-Dichloropropene	0.4	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
Bromoform	50	ug/l	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	8	ND	40	ND	2	ND	2	ND	2	ND	2	ND	20	ND	50	ND
1,1,2,2-Tetrachloroethane	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
Benzene	1	ug/l	0.5	ND	0.5	ND	0.5	6.7	0.5	3.3	0.5	ND	0.5	0.77	0.5	ND	0.5	2.1J	0.5	6.4	2	8.9J	10	4	0.5	0.17J	0.5	ND	0.5	ND	0.5	7.6	5	5.8J	12	ND
Toluene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	3B	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	11	10	42J	50	6.7	2.5	ND	2.5	ND	2.5	ND	2.5	46	.25	49J	62	ND
Ethylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	2J	2.5	520E	2.5	ND	2.5	ND	2.5	ND	2.5	1.1J	2.5	460	10	1200	50	2.4J	2.5	ND	2.5	ND	2.5	ND	2.5	810	25	1700	62	ND
Chloromethane		ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Bromomethane	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Vinyl chloride	2	ug/l	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	4	ND	20	ND	1	ND	1	ND	1	ND	1	ND	10	ND	25	ND
Chloroethane	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
1,1-Dichloroethene	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
trans-1,2-Dichloroethene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Trichloroethene	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	0.22J	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	12	ND
1,2-Dichlorobenzene	3	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
1,3-Dichlorobenzene	3	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
1,4-Dichlorobenzene	3	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Methyl tert butyl ether	10	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
p/m-Xylene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	1800E	2.5	ND	2.5	ND	2.5	ND	2.5	1.3J	2.5	150	10	3300	50	5.1	2.5	ND	2.5	ND	2.5	ND	2.5	520	25	5090	62	ND
o-Xylene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	79	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	7.3J	10	73	50	2.9	2.5	ND	2.5	ND	2.5	ND	2.5	14J	25	86	62	ND
cis-1,2-Dichloroethene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Styrene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Dichlorodifluoromethane	5	ug/l	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	20	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	120	ND
Acetone	50	ug/l	5	2.4J	5	2.1J	5	ND	5	44	5	ND	5	4.2J	5	1.7	5	ND	5	ND	20	97J	100	6.4	5	ND	5	ND	5	ND	5	ND	50	ND	120	1.6J
Carbon disulfide	60	ug/l	5	ND	5	ND	5	ND	5	1.2J	5	ND	5	ND	5	ND	5	ND	5	ND	20	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	120	ND
2-Butanone	50	ug/l	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	20	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	120	ND
4-Methyl-2-pentanone		ug/l	5	ND	5	ND	5	ND	5	3J	5	ND	5	ND	5	ND	5	ND	5	ND	20	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	120	ND
2-Hexanone	50	ug/l	5	ND	5	ND	5	ND	5	2.7J	5	ND	5	ND	5	ND	5	ND	5	ND	20	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	120	ND
1,2-Dibromoethane	0.0006	ug/l	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	8	ND	40	ND	2	ND	2	ND	2	ND	2	ND	20	ND	50	ND
n-Butylbenzene	5	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	2.5	ND	2.5	4.1J	10	4.1J	50	4.1J	2.5	ND	2.5	ND	2.5	ND	2.5	10J	.25	ND	62	ND
sec-Butylbenzene	5	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	2.5	ND	2.5	2.9J	10	ND	50	0.88J	2.5	ND	2.5	ND	2.5	ND	2.5	ND	.25	ND	62	ND
tert-Butylbenzene	5	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	.25	ND	62	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	.25	ND	62	ND
Isopropylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	1.3J	2.5	23	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	1B	10	24J	50	0.9J	2.5	ND	2.5	ND	2.5	ND	2.5	2B	.25	30J	62	ND
p-Isopropyltoluene	5	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	.25	ND	62	ND
Naphthalene	10	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	2.5	ND	2.5	99	10	1100	50	4.8	2.5	ND	2.5	ND	2.5	ND	2.5	230	.25	940	62	ND
n-Propylbenzene	5	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	2.5	ND	2.5	9.6	10	110	50	1.3J	2.5	ND	2.5	ND	2.5	ND	2.5	150	.25	140	62	ND
1,2,4-Trichlorobenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	.25	ND	62	ND
1,3,5-Trimethylbenzene	5	ug/l	-	-	-	-	-	-	-	-	-	-	-	3.2	-	ND	2.5	ND	2.5	ND	10	480	50	1.4J	2.5	ND	2.5	ND	2.5	ND	2.5	7J	.25	520	62	ND
1,2,4-Trimethylbenzene	5	ug/l	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	2.5	1.2J	2.5	47D	10	2200	50	2.2J	2.5	ND	2.5	ND	2.5	0.88J	2.5	1100	.25	2600	62	ND
Methyl Acetate		ug/l	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	2	ND	8	ND	40	ND	2	ND	2	ND	2	ND	2	ND	20	ND	50	ND
Cyclohexane		ug/l	10	ND	10	ND	10	0.41J	10	140	10	0.6J	10	ND	10	ND	10	ND	10	60	40	220	200	6.6J	10	ND	10	ND	10	ND	10	100	100	250	250	ND
Freon-113	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	10	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	62	ND
Methyl cyclohexane		ug/l	10	ND	10	ND	10	ND	10	65	10	ND	10	ND	10	ND	10	ND	10	8J	40	96J	200	4.5J	10	ND	10	ND	10	ND	10	22J	100	110J	250	ND
		Total VOCs		**2.55**		**2.1**		**10.41**		**2719.72**		**0.6**		**8.17**		**1.7**		**3.81**		**1,384.70**		**8955**		**54.38**		**0.17**		**0**		**0.88**		**3044.6**		**11330.8**		**1.6**
		Total BTEX		**0**		**0**		**8.7**		**2440.3**		**0**		**0.77**		**0**		**2.61**		**634.7**		**4623.9**		**21.1**		**0.17**		**0**		**0**		**1397.6**		**6840.8**		**0**

Table 1A

GROUNDWATER ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS FROM PREVIOUS MONITORING EVENTS
FORMER MOBIL STATION 99-MST 979 MAIN STREET (1001 MAIN STREET) BROWNFIELD CLEANUP

SAMPLE ID				BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5	
SAMPLING DATE				3/31/2020		11/25/2020		11/25/2020		11/25/2020		11/25/2020		11/25/2020		11/25/2020		5/14/2021		5/14/2021		5/14/2021		5/14/2021		5/14/2021		5/14/2021		12/14/2021		12/14/2021		12/14/2021		12/14/2021	
SAMPLE TYPE				WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-TOGS-AQWS	Unit	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Volatile Organics																																					
Methylene chloride	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
1,1-Dichloroethane		ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Chloroform	7	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Carbon tetrachloride	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
1,2-Dichloropropane	1	ug/l	1	ND	1	ND	1	ND	1	ND	10	ND	20	ND	1	ND	1	ND	1	ND	1	ND	10	ND	10	ND	1	ND	1	ND	1	ND	1	ND	10	ND	20
Dibromochloromethane	50	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
1,1,2-Trichloroethane	1	ug/l	1.5	ND	1.5	ND	1.5	ND	1.5	ND	15	ND	30	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	15	ND	15	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	15	ND	30
Tetrachloroethene	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
Chlorobenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Trichlorofluoromethane	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
1,2-Dichloroethane	0.6	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
1,1,1-Trichloroethane	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Bromodichloromethane	50	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	0.2J	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
trans-1,3-Dichloropropene	0.4	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
cis-1,3-Dichloropropene	0.4	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
Bromoform	50	ug/l	2	ND	2	ND	2	ND	2	ND	20	ND	40	ND	2	ND	2	ND	2	ND	2	ND	20	ND	20	ND	2	ND	2	ND	2	ND	2	ND	20	ND	40
1,1,2,2-Tetrachloroethane	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
Benzene	1	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	7.8	5	3.4J	10	7.5	0.5	ND	0.5	ND	0.5	ND	0.5	8.5	5	ND	5	ND	0.5	ND	0.5	ND	0.5	0.49J	0.5	5	5	ND	10
Toluene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	29	25	48J	50	9	2.5	ND	2.5	ND	2.5	ND	2.5	22J	25	16J	25	ND	2.5	ND	2.5	ND	2.5	4.8	2.5	64	25	44J	50
Ethylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	870	25	1700	50	2.7	2.5	ND	2.5	ND	2.5	ND	2.5	1100	25	770	25	ND	2.5	ND	2.5	ND	2.5	42	2.5	1100	25	1800	50
Chloromethane		ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Bromomethane	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Vinyl chloride	2	ug/l	1	ND	1	ND	1	ND	1	ND	10	ND	20	ND	1	ND	1	ND	1	ND	1	ND	10	ND	10	ND	1	ND	1	ND	1	ND	1	ND	10	ND	20
Chloroethane	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
1,1-Dichloroethene	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
trans-1,2-Dichloroethene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Trichloroethene	5	ug/l	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	10
1,2-Dichlorobenzene	3	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
1,3-Dichlorobenzene	3	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
1,4-Dichlorobenzene	3	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Methyl tert butyl ether	10	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
p/m-Xylene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	340	25	4200	50	5	2.5	ND	2.5	ND	2.5	ND	2.5	400	25	1500	25	1.1J	2.5	ND	2.5	ND	2.5	77	2.5	630	25	5000	50
o-Xylene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	18J	25	75	50	5	2.5	ND	2.5	ND	2.5	ND	2.5	18J	25	34	25	ND	2.5	ND	2.5	ND	2.5	2.2J	2.5	21J	25	76	50
cis-1,2-Dichloroethene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Styrene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Dichlorodifluoromethane	5	ug/l	5	ND	5	ND	5	ND	5	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50	ND	5	ND	5	ND	5	ND	5	ND	50	ND	100
Acetone	50	ug/l	5	ND	5	ND	5	ND	5	ND	50	43J	100	ND	5	ND	5	1.8J	5	3.8J	5	ND	50	45J	50	ND	5	ND	5	ND	5	6.2	5	ND	50	ND	100
Carbon disulfide	60	ug/l	5	ND	5	ND	5	ND	5	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50	ND	5	ND	5	ND	5	ND	5	ND	50	ND	100
2-Butanone	50	ug/l	5	ND	5	ND	5	ND	5	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50	ND	5	ND	5	ND	5	ND	5	ND	50	ND	100
4-Methyl-2-pentanone		ug/l	5	ND	5	ND	5	ND	5	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50	ND	5	ND	5	ND	5	ND	5	ND	50	ND	100
2-Hexanone	50	ug/l	5	ND	5	ND	5	ND	5	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50	ND	5	ND	5	ND	5	ND	5	ND	50	ND	100
1,2-Dibromoethane	0.0006	ug/l	2	ND	2	ND	2	ND	2	ND	20	ND	40	ND	2	ND	2	ND	2	ND	2	ND	20	ND	20	ND	2	ND	2	ND	2	ND	2	ND	20	ND	40
n-Butylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	12J	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	9.7J	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	14J	25	ND	50
sec-Butylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
tert-Butylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
1,2-Dibromo-3-chloropropane	0.04	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Isopropylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	34	25	33J	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	27	25	13J	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	35	25	35J	50
p-Isopropyltoluene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Naphthalene	10	ug/l	2.5	ND	2.5	ND	2.5	1.5J	2.5	230	25	82J	50	2.6	2.5	ND	2.5	ND	2.5	1.4J	2.5	ND	2.5	32J	25	43J	25	3.9	2.5	1J	2.5	ND	2.5	18	2.5	36J	25	100J	50
n-Propylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	17J	25	15J	50	1.2J	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	16J	25	6.4	25	ND	2.5	ND	2.5	ND	2.5	2.3J	2.5	20J	25	17J	50
1,2,4-Trichlorobenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
1,3,5-Trimethylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	11J	25	40J	50	2J	2.5	ND	2.5	ND	2.5	ND	2.5	8.4J	25	9J	25	ND	2.5	ND	2.5	ND	2.5	6.5	2.5	13J	25	43J	50
1,2,4-Trimethylbenzene	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	130J	25	250J	50	2.8	2.5	ND	2.5	ND	2.5	1.6J	2.5	ND	2.5	150J	25	120J	25	ND	2.5	ND	2.5	6B	2.5	160J	25	260J	50
Methyl Acetate		ug/l	2	ND	2	ND	2	ND	2	ND	20	ND	40	ND	2	ND	2	ND	2	ND	2	ND	20	ND	20	ND	2	ND	2	ND	2	ND	2	ND	20	ND	40
Cyclohexane		ug/l	10	ND	10	ND	10	3.4J	10	140	100	240	200	7.2J	10	ND	10	ND	10	1J	10	16J	100	13J	100	ND	10	ND	10	ND	10	16	10	19J	100	33J	200
Freon-113	5	ug/l	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	50
Methyl cyclohexane		ug/l	10	ND	10	ND	10	3B	10	110J	100	210J	200	4.6J	10	ND	10	ND	10	ND	10	44J	100	60J	100	ND	10	ND	10	ND	10	8.2J	10	54J	100	120J	200
				0		**0**	**4.9**	**3199.8**		**10322.4**		**49.6**		**0**		**0**		**3.2**		**5**		**3777.6**		**4361**		**5**		**1**		**0**		**251.69**		**4837**		**11503**	
				0		**0**	**0**	**1264.8**		**6026.4**		**29.2**		**0**		**0**		**0**		**0**		**1548.5**		**2320**		**1.1**		**0**		**0**		**126.49**		**1820**		**6920**	

Table 1A

GROUNDWATER ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS FROM PREVIOUS MONITORING EVENTS
FORMER MOBIL STATION 99-MST 979 MAIN STREET (1001 MAIN STREET) BROWNFIELD CLEANUP

SAMPLE ID			BCPMW-6		BCPMW-7		BCP-MW-1		BCP-MW-3		BCP-MW-4		BCP-MW-5		BCP-MW-6		BCP-MW-7	
SAMPLING DATE			12/14/2021		12/14/2021		4/7/2022		4/7/2022		4/8/2022		4/7/2022		4/7/2022		4/7/2022	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-TOGS-AQWS	Units	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Volatile Organics																		
Methylene chloride	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
1,1-Dichloroethane		ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Chloroform	7	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Carbon tetrachloride	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichloropropane	1	ug/l	ND	1	ND	1	ND	1	ND	1	ND	5	ND	1	ND	1	ND	1
Dibromochloromethane	50	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	1	ug/l	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	7.5	ND	1.5	ND	1.5	ND	1.5
Tetrachloroethene	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Trichlorofluoromethane	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
1,2-Dichloroethane	0.6	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
1,1,1-Trichloroethane	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Bromodichloromethane	50	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
trans-1,3-Dichloropropene	0.4	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
cis-1,3-Dichloropropene	0.4	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
Bromoform	50	ug/l	ND	2	ND	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND	2
1,1,2,2-Tetrachloroethane	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
Benzene	1	ug/l	ND	0.5	ND	0.5	ND	0.5	0.5	0.5	2.6	2.5	0.22J	0.5	ND	0.5	ND	0.5
Toluene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	1.2J	2.5	25	12	0.9J	2.5	ND	2.5	ND	2.5
Ethylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	15	2.5	790	12	39	2.5	ND	2.5	ND	2.5
Chloromethane		ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Bromomethane	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Vinyl chloride	2	ug/l	ND	1	ND	1	ND	1	ND	1	ND	5	ND	1	ND	1	ND	1
Chloroethane	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
1,1-Dichloroethene	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
trans-1,2-Dichloroethene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Trichloroethene	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	0.5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	3	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
1,3-Dichlorobenzene	3	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
1,4-Dichlorobenzene	3	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Methyl tert butyl ether	10	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
p/m-Xylene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	21	2.5	120	12	150	2.5	ND	2.5	ND	2.5
o-Xylene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	1.9J	2.5	18	12	8.4	2.5	ND	2.5	ND	2.5
cis-1,2-Dichloroethene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Styrene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Dichlorodifluoromethane	5	ug/l	ND	5	ND	5	ND	5	ND	5	ND	25	ND	5	ND	5	ND	5
Acetone	50	ug/l	ND	5	ND	5	ND	5	ND	5	ND	25	ND	5	ND	5	ND	5
Carbon disulfide	60	ug/l	ND	5	ND	5	ND	5	ND	5	ND	25	ND	5	ND	5	ND	5
2-Butanone	50	ug/l	ND	5	ND	5	ND	5	ND	5	ND	25	ND	5	ND	5	ND	5
4-Methyl-2-pentanone		ug/l	ND	5	ND	5	ND	5	2.2J	5	ND	25	ND	5	ND	5	ND	5
2-Hexanone	50	ug/l	ND	5	ND	5	ND	5	ND	5	ND	25	ND	5	ND	5	ND	5
1,2-Dibromoethane	0.0006	ug/l	ND	2	ND	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND	2
n-Butylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	10J	12	0.77J	2.5	ND	2.5	ND	2.5
sec-Butylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	4.6J	12	ND	2.5	ND	2.5	ND	2.5
tert-Butylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Isopropylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	3.1	2.5	12	12	1.4J	2.5	ND	2.5	ND	2.5
p-Isopropyltoluene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Naphthalene	10	ug/l	ND	2.5	ND	2.5	ND	2.5	5.7	2.5	260	12	65	2.5	ND	2.5	ND	2.5
n-Propylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	1J	2.5	150	12	3.6	2.5	ND	2.5	ND	2.5
1,2,4-Trichlorobenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
1,3,5-Trimethylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	0.77J	2.5	21	12	58	2.5	ND	2.5	ND	2.5
1,2,4-Trimethylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	15	2.5	1200E	12	130	2.5	ND	2.5	ND	2.5
Methyl Acetate		ug/l	ND	2	ND	2	ND	2	ND	2	ND	10	ND	2	ND	2	ND	2
Cyclohexane		ug/l	ND	10	ND	10	ND	10	13	10	120	50	18	10	ND	10	ND	10
Freon-113	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	2.5	ND	2.5	ND	2.5
Methyl cyclohexane		ug/l	ND	10	ND	10	ND	10	6.2J	10	43J	50	11	10	ND	10	ND	10
			0		**0**		**0**		**83.47**		**2795.2**		**486.29**		**0**		**0**	
			0		**0**		**0**		**39.6**		**955.6**		**198.52**		**0**		**0**	

SAMPLE ID			BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5	
SAMPLING DATE			8/25/2022		8/25/2022		8/25/2022		8/25/2022		8/25/2022		8/25/2022		12/14/2022		12/14/2022		12/14/2022		12/14/2022	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-TOGS-AQWS	Units	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Volatile Organics																						
Methylene chloride	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
1,1-Dichloroethane		ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Chloroform	7	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Carbon tetrachloride	5	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
1,2-Dichloropropane	1	ug/l	ND	1	ND	5	ND	10	ND	20	ND	1	ND	1	ND	1	ND	1	ND	10	ND	10
Dibromochloromethane	50	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
1,1,2-Trichloroethane	1	ug/l	ND	1.5	ND	7.5	ND	15	ND	30	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	15	ND	15
Tetrachloroethene	5	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
Chlorobenzene	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Trichlorofluoromethane	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
1,2-Dichloroethane	0.6	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
1,1,1-Trichloroethane	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Bromodichloromethane	50	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
trans-1,3-Dichloropropene	0.4	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
cis-1,3-Dichloropropene	0.4	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
Bromoform	50	ug/l	ND	2	ND	10	ND	20	ND	40	ND	2	ND	2	ND	2	ND	2	ND	20	ND	20
1,1,2,2-Tetrachloroethane	5	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
Benzene	1	ug/l	ND	0.5	1.7J	2.5	5	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	3.5J	5	ND	5
Toluene	5	ug/l	ND	2.5	22	12	34	25	26J	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	63	25	9.6J	25
Ethylbenzene	5	ug/l	ND	2.5	380	12	1100	25	2100	50	ND	2.5	ND	2.5	ND	2.5	11	2.5	1100	25	62D	25
Chloromethane		ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Bromomethane	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Vinyl chloride	2	ug/l	ND	1	ND	5	ND	10	ND	20	ND	1	ND	1	ND	1	ND	1	ND	10	ND	10
Chloroethane	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
1,1-Dichloroethene	5	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
trans-1,2-Dichloroethene	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Trichloroethene	5	ug/l	ND	0.5	ND	2.5	ND	5	ND	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	5
1,2-Dichlorobenzene	3	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
1,3-Dichlorobenzene	3	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
1,4-Dichlorobenzene	3	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Methyl tert butyl ether	10	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
p/m-Xylene	5	ug/l	480	12	14J	25	7800	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	12	2.5	210	25	240D	25
o-Xylene	5	ug/l	12	12	12J	25	100	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	16J	25	62	25
cis-1,2-Dichloroethene	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Styrene	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Dichlorodifluoromethane	5	ug/l	ND	5	ND	25	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50
Acetone	50	ug/l	ND	5	ND	25	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50
Carbon disulfide	60	ug/l	ND	5	ND	25	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50
2-Butanone	50	ug/l	ND	5	ND	25	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50
4-Methyl-2-pentanone		ug/l	ND	5	ND	25	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50
2-Hexanone	50	ug/l	ND	5	ND	25	ND	50	ND	100	ND	5	ND	5	ND	5	ND	5	ND	50	ND	50
1,2-Dibromoethane	0.0006	ug/l	ND	2	ND	10	ND	20	ND	40	ND	2	ND	2	ND	2	ND	2	ND	20	ND	20
n-Butylbenzene	5	ug/l	ND	2.5	ND	12	9.4J	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	11J	25	ND	25
sec-Butylbenzene	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
tert-Butylbenzene	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Isopropylbenzene	5	ug/l	5.2J	12	24J	25	29J	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	30	25	16D	25
p-Isopropyltoluene	5	ug/l	ND	2.5	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Naphthalene	10	ug/l	170	12	200	25	840	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	4.2	2.5	290	25	520	25
n-Propylbenzene	5	ug/l	18	12	14J	25	130	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	160	25	71	25
1,2,4-Trichlorobenzene	5	ug/l	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
1,3,5-Trimethylbenzene	5	ug/l	47	12	ND	25	63D	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	35D	25
1,2,4-Trimethylbenzene	5	ug/l	56D	12	120D	25	310D	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	13	2.5	120D	25	140D	25
Methyl Acetate		ug/l	ND	10	ND	20	ND	40	ND	2	ND	2	ND	2	ND	2	ND	2	ND	20	ND	20
Cyclohexane		ug/l	40J	50	13D	100	24D	200	ND	10	ND	10	ND	10	ND	10	1.5J	10	14D	100	12D	100
Freon-113	5	ug/l	ND	12	ND	25	ND	50	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	25
Methyl cyclohexane		ug/l	32J	50	51J	100	95J	200	ND	10	ND	10	ND	10	ND	10	0.65J	10	43J	100	54D	100
			1767.9		**2919.4**		**15090**		**0**		**0**		**0**		**0**		**42.35**		**3126.5**		**5822.6**	
			895.7		**1165**		**10026**		**0**		**0**		**0**		**0**		**23**		**1529.5**		**3291.6**	

Table 1A

GROUNDWATER ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS FROM PREVIOUS MONITORING EVENTS
FORMER MOBIL STATION 99-MST 979 MAIN STREET (1001 MAIN STREET) BROWNFIELD CLEANUP

SAMPLE ID			BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4	
SAMPLING DATE			12/14/2022		12/14/2022		3/28/2023		3/28/2023		3/28/2023		3/28/2023		3/28/2023		3/28/2023		8/24/2023		8/24/2023		8/24/2023		8/24/2023		8/24/2023		8/24/2023		10/2/2024		10/2/2024		10/2/2024	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-TOGS-AQWS	Units	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Volatile Organics																																				
Methylene chloride	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
1,1-Dichloroethane		ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Chloroform	7	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Carbon tetrachloride	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
1,2-Dichloropropane	1	ug/l	ND	1	ND	1	ND	1	ND	1	ND	10	ND	2	ND	1	ND	1	ND	1	ND	1	ND	2.5	ND	10	ND	1	ND	1	ND	1	ND	1	ND	2.5
Dibromochloromethane	50	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
1,1,2-Trichloroethane	1	ug/l	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	15	ND	3	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	3.8	ND	15	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	3.8
Tetrachloroethene	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
Chlorobenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Trichlorofluoromethane	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
1,2-Dichloroethane	0.6	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
1,1,1-Trichloroethane	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Bromodichloromethane	50	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
trans-1,3-Dichloropropene	0.4	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
cis-1,3-Dichloropropene	0.4	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
Bromoform	50	ug/l	ND	2	ND	2	ND	2	ND	2	ND	20	ND	4	ND	2	ND	2	ND	2	ND	2	ND	5	ND	20	ND	2	ND	2	ND	2	ND	2	ND	5
1,1,2,2-Tetrachloroethane	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
Benzene	1	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	2.1J	5	0.33J	1	ND	0.5	ND	0.5	ND	0.5	0.5	0.5	5.2	1.2	ND	5	ND	0.5	ND	0.5	0.66	0.5	3.9	1.2	ND	1.2
Toluene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	47	25	ND	5	ND	2.5	ND	2.5	ND	2.5	3.1	2.5	20	6.2	1U	25	ND	2.5	ND	2.5	8.6	2.5	11	6.2	ND	6.2
Ethylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	2.1J	2.5	1200	25	87	5	ND	2.5	ND	2.5	ND	2.5	28	2.5	460	6.2	1100	25	ND	2.5	ND	2.5	130	2.5	570	6.2	ND	6.2
Chloromethane		ug/l	ND	2.5	ND	2.5	ND UJ	2.5	ND UJ	2.5	ND UJ	25	ND UJ	5	ND UJ	2.5	ND UJ	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Bromomethane	5	ug/l	ND	2.5	ND	2.5	ND UJ	2.5	ND UJ	2.5	ND UJ	25	ND UJ	5	ND UJ	2.5	ND UJ	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND UJ	2.5	ND UJ	2.5	ND UJ	6.2
Vinyl chloride	2	ug/l	ND	1	ND	1	ND UJ	1	ND UJ	1	ND UJ	10	ND UJ	2	ND UJ	1	ND UJ	1	ND	1	ND	1	ND	2.5	ND	10	ND	1	ND	1	ND	1	ND	1	ND	2.5
Chloroethane	5	ug/l	ND	2.5	ND	2.5	ND UJ	2.5	ND UJ	2.5	ND UJ	25	ND UJ	5	ND UJ	2.5	ND UJ	2.5	ND UJ	2.5	ND UJ	2.5	ND UJ	6.2	ND UJ	25	ND UJ	2.5	ND UJ	2.5	ND UJ	2.5	ND UJ	2.5	ND UJ	6.2
1,1-Dichloroethene	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
trans-1,2-Dichloroethene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Trichloroethene	5	ug/l	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	5	ND	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	1.2
1,2-Dichlorobenzene	3	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
1,3-Dichlorobenzene	3	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
1,4-Dichlorobenzene	3	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Methyl tert butyl ether	10	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
p/m-Xylene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	120	25	250	5	ND	2.5	ND	2.5	ND	2.5	86	2.5	ND	6.2	3200	25	ND	2.5	ND	2.5	210	2.5	6.3	6.2	ND	6.2
o-Xylene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	161	25	12	5	ND	2.5	ND	2.5	ND	2.5	2.2J	2.5	4J	6.2	70	25	ND	2.5	ND	2.5	15	2.5	3.3	6.2	ND	6.2
cis-1,2-Dichloroethene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Styrene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Dichlorodifluoromethane	5	ug/l	ND	5	ND	5	ND UJ	5	ND UJ	5	ND UJ	50	ND UJ	10	ND UJ	5	ND UJ	5	ND	5	ND	5	ND	12	ND	50	ND	5	ND	5	ND	5	ND	5	ND	12
Acetone	50	ug/l	ND	5	ND	5	ND	5	ND	5	ND	50	ND	10	ND	5	ND	5	ND	5	ND	5	ND	12	ND	50	ND	5	ND	5	ND	5	ND	5	ND	12
Carbon disulfide	60	ug/l	ND	5	ND	5	ND UJ	5	ND UJ	5	ND UJ	50	ND UJ	10	ND UJ	5	ND UJ	5	ND	5	ND	5	ND	12	ND	50	ND	5	ND	5	ND	5	ND	5	ND	12
2-Butanone	50	ug/l	ND	5	ND	5	ND UJ	5	ND UJ	5	ND UJ	50	ND UJ	10	ND UJ	5	ND UJ	5	ND	5	ND	5	ND	12	ND	50	ND	5	ND	5	ND	5	ND	5	ND	12
4-Methyl-2-pentanone		ug/l	ND	5	ND	5	ND	5	ND	5	ND	50	ND	10	ND	5	ND	5	ND	5	ND	5	ND	12	ND	50	ND	5	ND	5	ND	5	ND	5	ND	12
2-Hexanone	50	ug/l	ND	5	ND	5	ND	5	ND	5	ND	50	ND	10	ND	5	ND	5	ND	5	ND	5	ND	12	ND	50	ND	5	ND	5	ND	5	ND	5	ND	12
1,2-Dibromoethane	0.0006	ug/l	ND	2	ND	2	ND	2	ND	2	ND	20	ND	4	ND	2	ND	2	ND	2	ND	2	ND	5	ND	20	ND	2	ND	2	ND	2	ND	2	ND	5
n-Butylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	13J	25	4.2J	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	4.1J	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	4.2	6.2		
sec-Butylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	1.8J	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
tert-Butylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Isopropylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	30	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	1J	6.2	16J	25	ND	2.5	ND	2.5	ND	2.5	18	6.2		
p-Isopropyltoluene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Naphthalene	10	ug/l	ND	2.5	ND	2.5	ND	2.5	1.6J	2.5	320	25	64	5	ND	2.5	ND	2.5	ND	2.5	16	2.5	2J	6.2	640	25	ND	2.5	ND	2.5	120	2.5	76	6.2		
n-Propylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	180	25	5.4	5	ND	2.5	ND	2.5	ND	2.5	1.1J	2.5	6J	6.2	67	25	ND	2.5	ND	2.5	5.1	2.5	94	6.2		
1,2,4-Trichlorobenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
1,3,5-Trimethylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	34	5	ND	2.5	ND	2.5	ND	2.5	8.5	2.5	ND	6.2	320	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
1,2,4-Trimethylbenzene	5	ug/l	ND	2.5	ND	2.5	ND	2.5	2.8	2.5	1900	25	160	5	ND	2.5	ND	2.5	ND	2.5	56	2.5	24J	6.2	1600	25	ND	2.5	ND	2.5	470	2.5	370	6.2		
Methyl Acetate		ug/l	ND	2	ND	2	ND	2	ND	2	ND	20	ND	4	ND	2	ND	2	ND	2	ND	2	ND	5	ND	20	ND	2	ND	2	ND	2	ND	2	ND	5
Cyclohexane		ug/l	ND	10	ND	10	ND	10	0.6J	10	160	100	11J	20	ND	10	ND	10	ND	10	9.7J	10	5J	25	98J	100	ND	10	ND	10	ND UJ	10	64 J	25		
Freon-113	5	ug/l	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	25	ND	5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	6.2
Methyl cyclohexane		ug/l	ND	10	ND	10	ND	10	ND	10	57J	100	8.7J	20	ND	10	ND	10	ND	10	5.1J	10	1J	25	42J	100	ND	10	ND	10	ND	10	12	25		
			0		0		0		7.1		3645.1		636.63		0		0		0		216.2		910.1		7164		0		0		0		984.36		1232.7	
			0		0		0		2.1		1385.1		349.33		0		0		0		119.8		489.2		4381		0		0		0		364.26		594.5	

Table 1A

GROUNDWATER ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS FROM PREVIOUS MONITORING EVENTS
FORMER MOBIL STATION 99-MST 979 MAIN STREET (1001 MAIN STREET) BROWNFIELD CLEANUP

SAMPLE ID			BCPMW-5		BCPMW-6		BCPMW-7		BCPMW-1		BCPMW-3		BCPMW-4		BCPMW-5		BCPMW-6		BCPMW-7	
SAMPLING DATE			10/2/2024		10/2/2024		10/2/2024		4/25/2025		4/25/2025		4/25/2025		4/25/2025		4/25/2025		4/25/2025	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-TOGS-AQWS	Units	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Volatile Organics																				
Methylene chloride	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
1,1-Dichloroethane		ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Chloroform	7	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Carbon tetrachloride	5	ug/l	ND	5	ND	0.5	ND	0.5	ND UJ	0.5	ND UJ	2.5	ND UJ	1	ND UJ	5	ND	0.5	ND UJ	0.5
1,2-Dichloropropane	1	ug/l	ND	10	ND	1	ND	1	ND	1	ND	5	ND	2	ND	10	ND	1	ND	1
Dibromochloromethane	50	ug/l	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1	ND	5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	1	ug/l	ND	15	ND	1.5	ND	1.5	ND	1.5	ND	7.5	ND	3	ND	15	ND	1.5	ND	1.5
Tetrachloroethene	5	ug/l	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1	ND	5	ND	0.5	ND	0.5
Chlorobenzene	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Trichlorofluoromethane	5	ug/l	ND	25	ND	2.5	ND	2.5	ND UJ	2.5	ND UJ	12	ND UJ	5	ND UJ	25	ND	2.5	ND UJ	2.5
1,2-Dichloroethane	0.6	ug/l	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1	ND	5	ND	0.5	ND	0.5
1,1,1-Trichloroethane	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Bromodichloromethane	50	ug/l	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1	ND	5	ND	0.5	ND	0.5
trans-1,3-Dichloropropene	0.4	ug/l	ND	5	ND	0.5	ND	0.5	ND UJ	0.5	ND UJ	2.5	ND UJ	1	ND UJ	5	ND	0.5	ND UJ	0.5
cis-1,3-Dichloropropene	0.4	ug/l	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1	ND	5	ND	0.5	ND	0.5
Bromoform	50	ug/l	ND	20	ND	2	ND	2	ND	2	ND	10	ND	4	ND	20	ND	2	ND	2
1,1,2,2-Tetrachloroethane	5	ug/l	ND	5	ND	0.5	ND	0.5	ND UJ	0.5	ND UJ	2.5	ND UJ	1	ND UJ	5	ND	0.5	ND UJ	0.5
Benzene	1	ug/l	0.75	5	0.48	0.5	ND	0.5	ND	0.5	ND	2.5	2.3	1	ND	5	ND	0.5	ND	0.5
Toluene	5	ug/l	18	25	ND	2.5	ND	2.5	ND	2.5	7.7	12	5	5	28	25	ND	2.5	ND	2.5
Ethylbenzene	5	ug/l	990 J	25	ND	2.5	ND	2.5	ND	2.5	290	12	160	5	700	25	ND	2.5	ND	2.5
Chloromethane		ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Bromomethane	5	ug/l	ND UJ	25	ND UJ	2.5	ND UJ	2.5	ND	2.5	ND	12	ND	5	ND	25	ND UJ	2.5	ND	2.5
Vinyl chloride	2	ug/l	ND	10	ND	1	ND	1	ND	1	ND	5	ND	2	ND	10	ND	1	ND	1
Chloroethane	5	ug/l	ND	25	ND UJ	2.5	ND UJ	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
1,1-Dichloroethene	5	ug/l	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1	ND	5	ND	0.5	ND	0.5
trans-1,2-Dichloroethene	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Trichloroethene	5	ug/l	ND	5	ND	0.5	ND	0.5	ND	0.5	ND	2.5	ND	1	ND	5	ND	0.5	ND	0.5
1,2-Dichlorobenzene	3	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
1,3-Dichlorobenzene	3	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
1,4-Dichlorobenzene	3	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Methyl tert butyl ether	10	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
p/m-Xylene	5	ug/l	2600 J	25	ND	2.5	ND	2.5	ND	2.5	970	12	5.1	5	73	25	ND	2.5	ND	2.5
o-Xylene	5	ug/l	73	25	ND	2.5	ND	2.5	ND	2.5	20	12	ND	5	33	25	ND	2.5	ND	2.5
cis-1,2-Dichloroethene	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Styrene	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Dichlorodifluoromethane	5	ug/l	ND	50	ND	5	ND	5	ND	5	ND	25	ND	10	ND	50	ND	5	ND	5
Acetone	50	ug/l	ND	50	ND	5	ND	5	ND	5	ND	25	ND	10	ND	50	5.0 UJ	5	3.2	5
Carbon disulfide	60	ug/l	ND	50	ND	5	ND	5	ND	5	ND	25	ND	10	ND	50	ND	5	ND	5
2-Butanone	50	ug/l	ND	50	ND	5	ND	5	ND UJ	5	ND UJ	25	ND UJ	10	47 J	50	ND UJ	5	ND UJ	5
4-Methyl-2-pentanone		ug/l	ND	50	ND	5	ND	5	ND UJ	5	ND UJ	25	ND UJ	10	26 J	50	ND	5	ND UJ	5
2-Hexanone	50	ug/l	ND	50	ND	5	ND	5	ND UJ	5	ND UJ	25	ND UJ	10	23 J	50	ND UJ	5	ND UJ	5
1,2-Dibromoethane	0.0006	ug/l	ND	20	ND	2	ND	2	ND	2	ND	10	ND	4	ND	20	ND	2	ND	2
n-Butylbenzene	5	ug/l	2.8	25	ND	2.5	ND	2.5	ND	2.5	ND	12	1.8	5	ND	25	ND	2.5	ND	2.5
sec-Butylbenzene	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
tert-Butylbenzene	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Isopropylbenzene	5	ug/l	18 J	25	ND	2.5	ND	2.5	ND	2.5	ND	12	8.6	5	10	25	ND	2.5	ND	2.5
p-Isopropyltoluene	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Naphthalene	10	ug/l	790 J	25	0.78	2.5	ND	2.5	ND	2.5	150	12	38	5	73	25	ND	2.5	ND	2.5
n-Propylbenzene	5	ug/l	82 J	25	ND	2.5	ND	2.5	ND	2.5	13	12	37	5	42	25	ND	2.5	ND	2.5
1,2,4-Trichlorobenzene	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
1,3,5-Trimethylbenzene	5	ug/l	300	25	ND	2.5	ND	2.5	ND	2.5	7.2	12	ND	5	11	25	ND	2.5	ND	2.5
1,2,4-Trimethylbenzene	5	ug/l	1100 J	25	ND	2.5	ND	2.5	ND	2.5	510	12	130	5	880	25	ND	2.5	ND	2.5
Methyl Acetate		ug/l	ND	20	ND	2	ND	2	ND	2	ND	10	ND	4	ND	20	ND	2	ND	2
Cyclohexane		ug/l	21 J	100	ND UJ	10	ND UJ	10	ND	10	61	50	20	20	85	100	ND	10	ND	10
Freon-113	5	ug/l	ND	25	ND	2.5	ND	2.5	ND	2.5	ND	12	ND	5	ND	25	ND	2.5	ND	2.5
Methyl cyclohexane		ug/l	5.6	100	0.41	10	ND	10	ND	10	24	50	6.5	20	32	100	ND	10	ND	10
			500.15		**1.67**		**0**		**0**		**1452.9**		**414.3**		**1967**		**5**		**3.2**	
			3681.75		**0.48**		**0**		**0**		**687.7**		**172.4**		**834**		**0**		**0**	

Table 1B

GROUNDWATER ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS OCTOBER 2024
FORMER MOBIL STATION 99-MST 979 MAIN STREET (1001 MAIN STREET) BROWNFIELD CLEANUP

	LOCATION:	BCP MW-1		BCP MW-3		BCP MW-4		BCP MW-5		BCP MW-6		BCP MW-7	
	SAMPLING DATE:	10/2/2024		10/2/2024		10/2/2024		10/2/2024		10/2/2024		10/2/2024	
	SAMPLE MATRIX:	WATER		WATER		WATER		WATER		WATER		WATER	
	NY-TOGS-GA	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	(ug/l)												
VOCs													
Methylene chloride	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,1-Dichloroethane	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Chloroform	7	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Carbon tetrachloride	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dichloropropane	1	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Dibromochloromethane	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,1,2-Trichloroethane	1	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Tetrachloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Chlorobenzene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Trichlorofluoromethane	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dichloroethane	0.6	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,1,1-Trichloroethane	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Bromodichloromethane	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene	0.4	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene	0.4	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Bromoform	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzene	1	ND	U	0.66	J	3.9		0.75	J	0.48	J	ND	U
Toluene	5	ND	U	8.6	J	11		18		ND	U	ND	U
Ethylbenzene	5	ND	U	130		570		990	E J	ND	U	ND	U
Chloromethane		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Bromomethane	5	ND	U UJ	ND	U UJ	ND	U UJ	ND	U UJ	ND	U UJ	ND	U UJ
Vinyl chloride	2	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Chloroethane	5	ND	U UJ	ND	U UJ	ND	U UJ	ND	U	ND	U UJ	ND	U UJ
1,1-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Trichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,3-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Methyl tert butyl ether	10	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
p/m-Xylene	5	ND	U	210		6.3	J	2600	E J	ND	U	ND	U
o-Xylene	5	ND	U	15		3.3	J	73		ND	U	ND	U
cis-1,2-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Styrene	930	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Dichlorodifluoromethane	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Acetone	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Carbon disulfide	60	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
2-Butanone	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
4-Methyl-2-pentanone		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
2-Hexanone	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dibromoethane	0.0006	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
n-Butylbenzene	5	ND	U	ND	U	4.2	J	2.8	J	ND	U	ND	U
sec-Butylbenzene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
tert-Butylbenzene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dibromo-3-chloropropane	0.04	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Isopropylbenzene	5	ND	U	ND	U	18		18		ND	U	ND	U
p-Isopropyltoluene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Naphthalene	10	ND	U	120		76		790	E J	0.78	J	ND	U
n-Propylbenzene	5	ND	U	5.1	J	94		82		ND	U	ND	U
1,2,4-Trichlorobenzene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1,3,5-Trimethylbenzene	5	ND	U	ND	U	ND	U	300		ND	U	ND	U
1,2,4-Trimethylbenzene	5	ND	U	470		370		1100	E J	ND	U	ND	U
Methyl Acetate		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Cyclohexane		ND	U UJ	53	J	64	J	21	J J	ND	U UJ	ND	U UJ
Freon-113	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Methyl cyclohexane		ND	U	25	J	12	J	5.6	J	0.41	J	ND	U
VOC TOTAL		**0**		**1037.36**		**1232.7**		**6001.15**		**1.67**		**0**	
BTEX TOTAL		**0**		**364.26**		**594.5**		**3681.75**		**0.48**		**0**	

Table 1B

GROUNDWATER ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS APRIL 2025
FORMER MOBIL STATION 99-MST 979 MAIN STREET (1001 MAIN STREET) BROWNFIELD CLEANUP

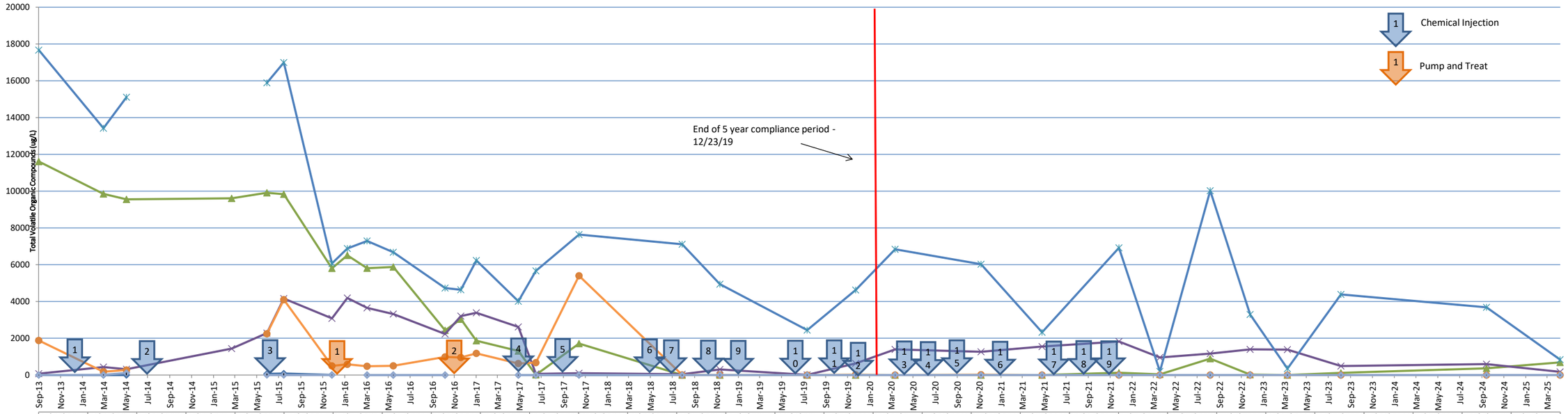
	LOCATION:	BCP MW-1			BCP MW-3			BCP MW-4			BCP MW-5			BCP MW-6			BCP MW-7		
	SAMPLING DATE:	4/25/2025			4/25/2025			4/25/2025			4/25/2025			4/25/2025			4/25/2025		
	SAMPLE MATRIX:	WATER			WATER			WATER			WATER			WATER			WATER		
	NY-TOGS-GA	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
	(ug/l)																		
VOCs																			
Methylene chloride	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
1,1-Dichloroethane	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Chloroform	7	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Carbon tetrachloride	5	ND	UJ	0.5	ND	UJ	2.5	ND	UJ	1	ND	UJ	5	ND		0.5	ND	UJ	0.5
1,2-Dichloropropane	1	ND		1	ND		5	ND		2	ND		10	ND		1	ND		1
Dibromochloromethane	50	ND		0.5	ND		2.5	ND		1	ND		5	ND		0.5	ND		0.5
1,1,2-Trichloroethane	1	ND		1.5	ND		7.5	ND		3	ND		15	ND		1.5	ND		1.5
Tetrachloroethene	5	ND		0.5	ND		2.5	ND		1	ND		5	ND		0.5	ND		0.5
Chlorobenzene	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Trichlorofluoromethane	5	ND	UJ	2.5	ND	UJ	12	ND	UJ	5	ND	UJ	25	ND		2.5	ND	UJ	2.5
1,2-Dichloroethane	0.6	ND		0.5	ND		2.5	ND		1	ND		5	ND		0.5	ND		0.5
1,1,1-Trichloroethane	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Bromodichloromethane	50	ND		0.5	ND		2.5	ND		1	ND		5	ND		0.5	ND		0.5
trans-1,3-Dichloropropene	0.4	ND	UJ	0.5	ND	UJ	2.5	ND	UJ	1	ND	UJ	5	ND		0.5	ND	UJ	0.5
cis-1,3-Dichloropropene	0.4	ND		0.5	ND		2.5	ND		1	ND		5	ND		0.5	ND		0.5
Bromoform	50	ND		2	ND		10	ND		4	ND		20	ND		2	ND		2
1,1,2,2-Tetrachloroethane	5	ND	UJ	0.5	ND	UJ	2.5	ND	UJ	1	ND	UJ	5	ND		0.5	ND	UJ	0.5
Benzene	1	ND		0.5	ND		2.5	2.3		1	ND		5	ND		0.5	ND		0.5
Toluene	5	ND		2.5	7.7	J	12	5		5	28		25	ND		2.5	ND		2.5
Ethylbenzene	5	ND		2.5	290		12	160		5	700		25	ND		2.5	ND		2.5
Chloromethane	NA	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Bromomethane	5	ND		2.5	ND		12	ND		5	ND		25	ND	UJ	2.5	ND		2.5
Vinyl chloride	2	ND		1	ND		5	ND		2	ND		10	ND		1	ND		1
Chloroethane	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
1,1-Dichloroethene	5	ND		0.5	ND		2.5	ND		1	ND		5	ND		0.5	ND		0.5
trans-1,2-Dichloroethene	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Trichloroethene	5	ND		0.5	ND		2.5	ND		1	ND		5	ND		0.5	ND		0.5
1,2-Dichlorobenzene	3	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
1,3-Dichlorobenzene	3	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
1,4-Dichlorobenzene	3	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Methyl tert butyl ether	10	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
p/m-Xylene	5	ND		2.5	370		12	5.1		5	73		25	ND		2.5	ND		2.5
o-Xylene	5	ND		2.5	20		12	ND		5	33		25	ND		2.5	ND		2.5
cis-1,2-Dichloroethene	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Styrene	930	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Dichlorodifluoromethane	5	ND		5	ND		25	ND		10	ND		50	ND		5	ND		5
Acetone	50	ND		5	ND		25	ND		10	ND		50	5	J UJ	5	3.2	J	5
Carbon disulfide	60	ND		5	ND		25	ND		10	ND		50	ND		5	ND		5
2-Butanone	50	ND	UJ	5	ND	UJ	25	ND	UJ	10	47	J J	50	ND	UJ	5	ND	UJ	5
4-Methyl-2-pentanone	NA	ND	UJ	5	ND	UJ	25	ND	UJ	10	26	J J	50	ND		5	ND	UJ	5
2-Hexanone	50	ND	UJ	5	ND	UJ	25	ND	UJ	10	23	J J	50	ND	UJ	5	ND	UJ	5
1,2-Dibromoethane	0.0006	ND		2	ND		10	ND		4	ND		20	ND		2	ND		2
n-Butylbenzene	5	ND		2.5	ND		12	1.8	J	5	ND		25	ND		2.5	ND		2.5
sec-Butylbenzene	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
tert-Butylbenzene	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
1,2-Dibromo-3-chloropropane	0.04	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Isopropylbenzene	5	ND		2.5	ND		12	8.6		5	10	J	25	ND		2.5	ND		2.5
p-Isopropyltoluene	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Naphthalene	10	ND		2.5	150		12	38		5	73		25	ND		2.5	ND		2.5
n-Propylbenzene	5	ND		2.5	13		12	37		5	42		25	ND		2.5	ND		2.5
1,2,4-Trichlorobenzene	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
1,3,5-Trimethylbenzene	5	ND		2.5	7.2	J	12	ND		5	11	J	25	ND		2.5	ND		2.5
1,2,4-Trimethylbenzene	5	ND		2.5	510		12	130		5	880		25	ND		2.5	ND		2.5
Methyl Acetate	NA	ND		2	ND		10	ND		4	ND		20	ND		2	ND		2
Cyclohexane	NA	ND		10	61		50	20		20	85	J	100	ND		10	ND		10
Freon-113	5	ND		2.5	ND		12	ND		5	ND		25	ND		2.5	ND		2.5
Methyl cyclohexane	NA	ND		10	24	J	50	6.5	J	20	32	J	100	ND		10	ND		10
VOC TOTAL		**0**			**1452.9**			**414.3**			**2063**			**3.9**			**3.2**		
BTEX TOTAL		**0**			**687.7**			**172.4**			**834**			**0**			**0**		

GRAPHS

GRAPH 1

Former Mobil Station 99-MST 979 Main Street (1001 Main Street)
Conventus Groundwater Remediation

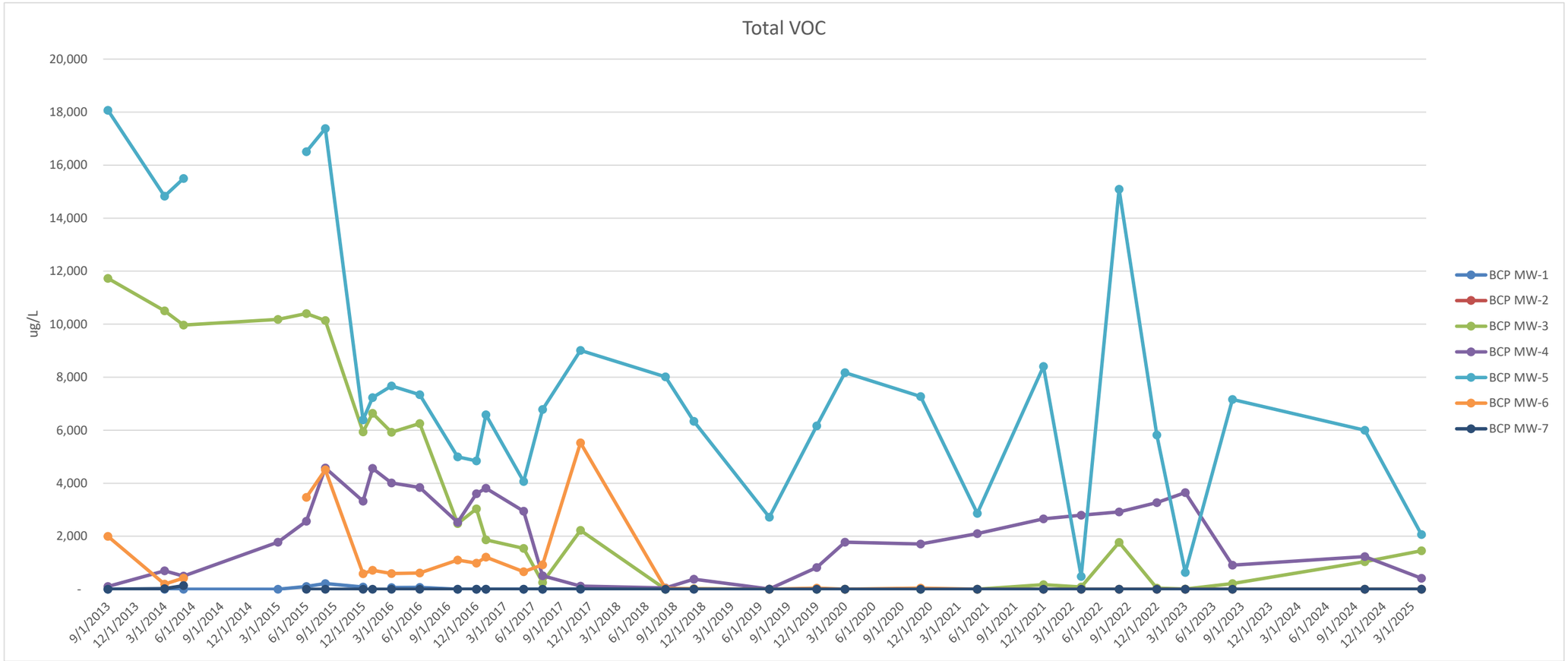
GROUNDWATER TREATMENT MONITORING - TOTAL BTEX

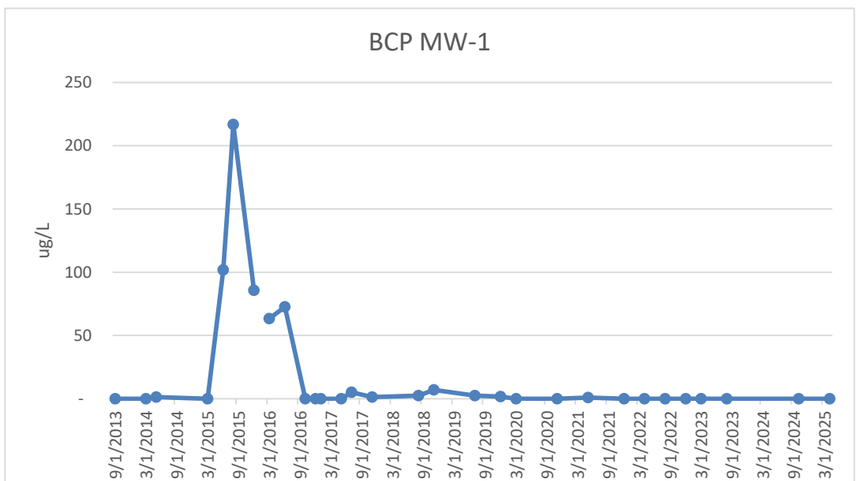


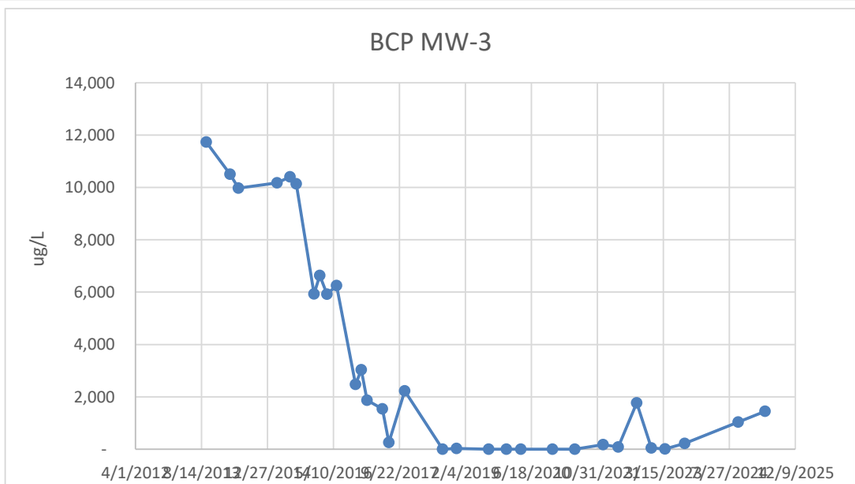
	9/20/2013	3/19/2014	5/22/2014	3/11/2015	6/17/2015	8/3/2015	12/15/2015	1/27/2016	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	5/17/2017	7/5/2017	11/2/2017	8/16/2018	11/29/2018	7/30/2019	12/12/2019	3/31/2020	11/25/2020	5/14/2021	12/14/2021	4/7/2022	8/25/2022	12/14/2022	3/28/2023	8/24/2023	10/2/2024	4/25/2025
BCP MW-1	0	0	0		62.40	82.70	6.25		1.40	0.72	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BCP MW-2																															
BCP MW-3	11610.00	9850.00	9550.00	9610.00	9910.00	9830.00	5800.00	6510.00	5810.00	5877.00	2429.70	3038.10	1867.40	1309.60	14.40	1712.80	0	0	0	0	0	0	0	126.49	39.60	895.70	23.00	2.10	119.80	364.26	687.70
BCP MW-4	76.80	433.00	317.00	1439.00	2281.00	4162.00	3080.00	4191.00	3650.00	3318.00	2232.37	3204.80	3387.20	2617.70	63.60	98.80	45.00	304.60	8.70	634.70	1397.60	1264.80	1548.50	1820.00	955.60	1165.00	1392.50	1385.10	489.20	594.50	172.40
BCP MW-5	17670.00	13420.00	15110.00		15890.00	16990.00	6070.00	6880.00	7288.00	6677.00	4728.80	4636.10	6233.30	4012.70	5664.20	7635.00	7113.00	4941.00	2440.30	4623.90	6840.80	6026.40	2325.80	6920.00	198.52	10026.00	3291.60	349.33	4381.00	3681.75	834.00
BCP MW-6	1880.00	180.00	276.00		2246.00	4100.00	497.00	584.00	475.00	500.00	987.60	952.30	1175.00	625.70	677.00	5398.00	3.30	4.52	0	21.10	0	21.70	1.10	0	0	0	0	0	0	0.48	0.00
BCP MW-7	0.51	14.16	115.70		0	0	0		0	0	0			0	2.30	3.90	1.80	0.18	0.77	0.17	0	0	0	0	0	0	0	0	0	0.00	0.00

GRAPH 2

Former Mobil Station 99-MST 979 Main Street (1001 Main Street)
Conventus Groundwater Remediation

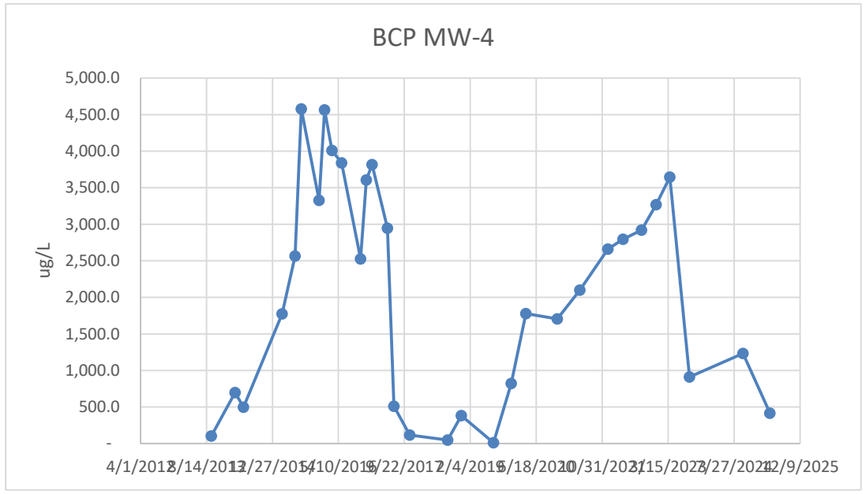


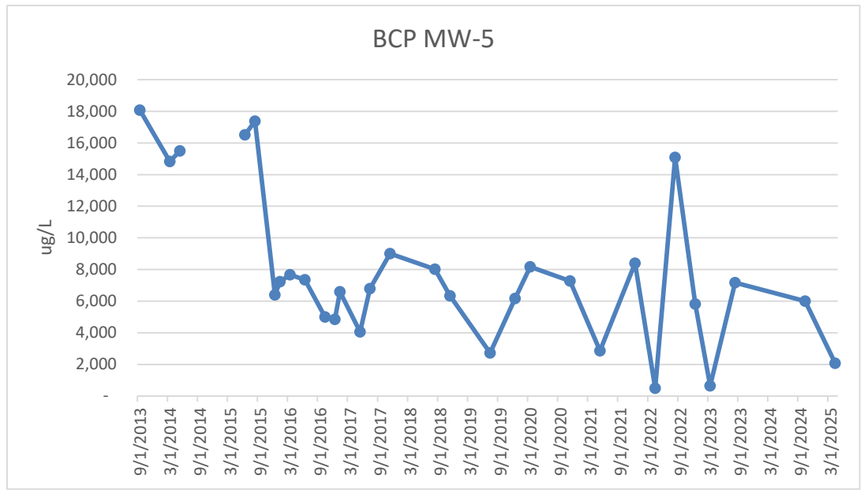


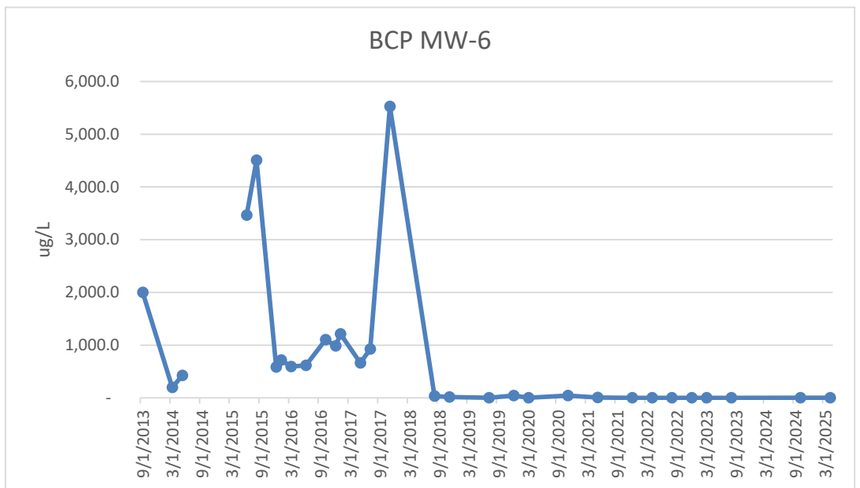


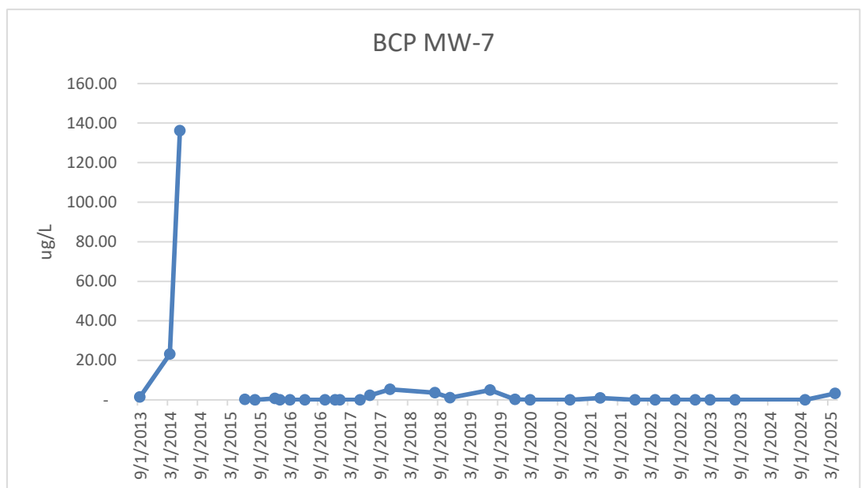
GRAPH 2

Former Mobil Station 99-MST 979 Main Street (1001 Main Street)
Conventus Groundwater Remediation









APPENDICES

C&S Engineers, Inc.
499 Col Eileen Collins Blvd
Syracuse, NY 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: RB

WELL DATA

Date		
Time		
Water meter utilized and date last calibrated		
Well Number	MW-1	
PID Reading (ppm)	0.3	
Diameter (inches)		
Total Sounded Depth (feet)	15'	
Static Water Level (feet)		
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date		
Sample Time		
Sampler Initials		
Sample I.D.		
Dupe Collected?	☑ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	10/2/2024							
Time		9:30	9:35	9:40	9:45	9:50	9:55	10:00	10:05
Volume Extracted	gallons	0.25	0.5	0.75	1	1.25	1.5	1.75	2
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	8.81	8.2	7.87	7.73	7.65	7.61	7.58	7.56
Conductivity (mS/cm)	3%	7.11	7.37	7.48	7.56	7.6	7.64	7.65	7.7
Turbidity (NTU)	10%	489	28.8	6.74	3.14	3.28	2.63	2.11	1.93
D.O. (mg/L)	10%	5.64	3.25	2.11	1.58	1.38	1.3	1.24	1.22
Temperature (ºC) (ºF)	3%	15.08	14.7	14.49	14.46	14.44	14.45	14.45	14.54
ORP[3](mV)	+/-10 mv	115	132	138	135	122	101	78	62
Appearance									
Free Product (Yes/No)		No	No	No	No	No	No	No	No
Odor									

Date	Stabilization Criteria								
Time		10:10	10:15	10:20	10:25	10:30			
Volume Extracted	gallons	2.25	2.5	2.75	3	3.25			
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.55	7.53	7.52	7.51	7.51			
Conductivity (mS/cm)	3%	7.64	7.65	7.64	7.65	7.63			
Turbidity (NTU)	10%	3.39	2.26	2.1	2.04	2.07			
D.O. (mg/L)	10%	1.34	1.22	1.22	1.18	1.13			
Temperature (ºC) (ºF)	3%	14.64	14.66	14.7	14.72	14.84			
ORP[3](mV)	+/-10 mv	55	46	37	30	28			
Appearance									
Free Product (Yes/No)		No	No	No	No	No			
Odor									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

Comments

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www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: RB

WELL DATA

Date		
Time		
Water meter utilized and date last calibrated		
Well Number	MW-7	
PID Reading (ppm)	0.3	
Diameter (inches)		
Total Sounded Depth (feet)	15'	
Static Water Level (feet)		
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date		
Sample Time		
Sampler Initials		
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	10/2/2024							
Time		10:45	10:50	10:55	11:00	11:05	11:10	11:15	11:20
Volume Extracted	gallons	0.25	0.5	0.75	1	1.25	1.5	1.75	2
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	8.03	7.49	7.4	7.36	7.35	7.35	7.36	7.36
Conductivity (mS/cm)	3%	4.26	4.69	4.96	5.18	5.4	5.66	5.99	6
Turbidity (NTU)	10%	300	129	86.4	69	56.8	47.6	43.4	40.8
D.O. (mg/L)	10%	6.7	2.68	1.95	1.61	1.55	1.44	1.32	1.24
Temperature (ºC) (ºF)	3%	15.76	15.38	15.4	15.39	15.4	15.38	15.38	15.4
ORP[3](mV)	+/-10 mv	122	137	138	138	138	138	137	137
Appearance									
Free Product (Yes/No)		No	No	No	No	No	No	No	No
Odor									

Date	Stabilization Criteria								
Time		11:25							
Volume Extracted	gallons	2.25							
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.37							
Conductivity (mS/cm)	3%	6.05							
Turbidity (NTU)	10%	39.9							
D.O. (mg/L)	10%	1.21							
Temperature (ºC) (ºF)	3%	15.4							
ORP[3](mV)	+/-10 mv	137							
Appearance									
Free Product (Yes/No)		No							
Odor									

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Comments

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Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: RB

WELL DATA

Date		
Time		
Water meter utilized and date last calibrated		
Well Number	MW-4	
PID Reading (ppm)	0.1	
Diameter (inches)		
Total Sounded Depth (feet)	15'	
Static Water Level (feet)		
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date		
Sample Time		
Sampler Initials		
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	10/2/2024							
Time		11:45	11:50	11:55	12:00	12:05	12:10	12:15	12:20
Volume Extracted	gallons	0.25	0.5	0.75	1	1.25	1.5	1.75	2
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.82	8.11	8.41	8.54	8.58	8.57	8.53	8.49
Conductivity (mS/cm)	3%	4.46	4.45	4.45	4.46	4.47	4.48	4.49	4.5
Turbidity (NTU)	10%	67.9	45.2	24.9	18.4	12.3	10.7	10.5	10
D.O. (mg/L)	10%	1.4	0.77	0.69	0.65	0.63	0.61	0.59	0.58
Temperature (ºC) (ºF)	3%	16.71	16.76	16.71	16.66	16.6	16.54	16.48	16.45
ORP[3](mV)	+/-10 mv	-129	-242	-290	-307	-316	-323	-327	-330
Appearance									
Free Product (Yes/No)		No	No	No	No	No	No	No	No
Odor									

Date	Stabilization Criteria								
Time									
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (ºC) (ºF)	3%								
ORP[3](mV)	+/-10 mv								
Appearance									
Free Product (Yes/No)									
Odor									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

Comments

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4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: RB

WELL DATA

Date		
Time		
Water meter utilized and date last calibrated		
Well Number	MW-3	
PID Reading (ppm)	0.4	
Diameter (inches)		
Total Sounded Depth (feet)	15'	
Static Water Level (feet)		
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date		
Sample Time		
Sampler Initials		
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	10/2/2024							
Time		12:50	12:55	1:00	1:05				
Volume Extracted	gallons	0.25	0.5	0.75	1				
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.96	7.86	7.85	7.84				
Conductivity (mS/cm)	3%	5.43	5.49	5.49	5.49				
Turbidity (NTU)	10%	75.1	4.79	5.06	4.65				
D.O. (mg/L)	10%	1.38	0.92	0.9	0.87				
Temperature (ºC) (ºF)	3%	17.36	16.53	16.53	16.52				
ORP[3](mV)	+/-10 mv	-169	-198	-200	-201				
Appearance									
Free Product (Yes/No)		No	No	No	No				
Odor									

Date	Stabilization Criteria								
Time									
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (ºC) (ºF)	3%								
ORP[3](mV)	+/-10 mv								
Appearance									
Free Product (Yes/No)									
Odor									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

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Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: RB

WELL DATA

Date		
Time		
Water meter utilized and date last calibrated		
Well Number	MW-6	
PID Reading (ppm)	0.1	
Diameter (inches)		
Total Sounded Depth (feet)	15'	
Static Water Level (feet)		
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date		
Sample Time		
Sampler Initials		
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	10/2/2024							
Time		1:20	1:25	1:30	1:35	1:40	1:45	1:50	1:55
Volume Extracted	gallons	0.25	0.5	0.75	1	1.25	1.5	1.75	2
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	8.21	8.71	8.79	8.81	8.81	8.81	8.8	8.8
Conductivity (mS/cm)	3%	7.59	7.91	7.93	7.94	7.94	7.93	7.92	7.92
Turbidity (NTU)	10%	1000	859	696	596	526	431	427	420
D.O. (mg/L)	10%	5.76	4.99	4.92	4.87	4.83	4.75	4.68	4.62
Temperature (ºC) (ºF)	3%	16.62	15.81	15.76	15.69	15.68	15.67	15.68	15.69
ORP[3](mV)	+/-10 mv	-7	1	14	22	26	28	28	29
Appearance									
Free Product (Yes/No)		No	No	No	No	No	No	No	No
Odor									

Date	Stabilization Criteria								
Time									
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (ºC) (ºF)	3%								
ORP[3](mV)	+/-10 mv								
Appearance									
Free Product (Yes/No)									
Odor									

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Comments

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4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: RB

WELL DATA

Date		
Time		
Water meter utilized and date last calibrated		
Well Number	MW-5	
PID Reading (ppm)	0.3	
Diameter (inches)		
Total Sounded Depth (feet)	15'	
Static Water Level (feet)		
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date		
Sample Time		
Sampler Initials		
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	10/2/2024							
Time		2:35	2:40	2:45	2:50				
Volume Extracted	gallons	0.25	0.5	0.75	1				
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.32	7.39	7.43	7.4				
Conductivity (mS/cm)	3%	5.71	6.9	7.02	7				
Turbidity (NTU)	10%	22.2	13.7	13.9	14.2				
D.O. (mg/L)	10%	3.57	5.59	5.69	5.82				
Temperature (ºC) (ºF)	3%	17.38	17.44	17.15	17.26				
ORP[3](mV)	+/-10 mv	-180	-161	-168	-160				
Appearance									
Free Product (Yes/No)		No	No	No	No				
Odor									

Date	Stabilization Criteria								
Time									
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (ºC) (ºF)	3%								
ORP[3](mV)	+/-10 mv								
Appearance									
Free Product (Yes/No)									
Odor									

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Well Casing Unit Volume (gal/l.f.)		
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4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: NFO

WELL DATA

Date	4/25/2025	
Time		
Water meter utilized and date last calibrated		
Well Number	MW-6	
PID Reading (ppm)	0.2	
Diameter (inches)	8.0	
Total Sounded Depth (feet)	15.00	
Static Water Level (feet)	9.20	
H_2O Column (feet)	5.80	
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date	4/25/2025	
Sample Time	9:50	
Sampler Initials	NFO	
Sample I.D.		
Dupe Collected?	☑ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	4/25/2025							
Time		9:15	9:20	9:25	9:30	9:35	9:40	9:45	9:50
Volume Extracted	gallons	0.25	0.5	0.75	1	1.25	1.5	1.75	2
Static Water Level (feet)	NA	9.2	9.35	9.42	9.52	9.63	9.75	9.84	9.92
pH (Std. Units)	+/-0.1	8	8.53	8.65	8.65	8.65	8.66	8.67	8.67
Conductivity (mS/cm)	3%	7.29	7.39	7.6	7.68	7.74	7.77	7.79	7.79
Turbidity (NTU)	10%	15.6	7.95	3.31	2.98	2.55	2.2	2.09	2.04
D.O. (mg/L)	10%	10.55	9.18	8.82	8.83	8.84	8.74	8.76	8.72
Temperature (ºC) (ºF)	3%	17.22	16.18	14.61	14.13	13.81	13.61	13.52	13.47
ORP[3](mV)	+/-10 mv	41	41	51	58	65	69	72	74
Appearance		C	C	C	C	C	C	C	C
Free Product (Yes/No)		No	No	No	No	No	No	No	No
Odor									

Date	Stabilization Criteria								
Time									
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (ºC) (ºF)	3%								
ORP[3](mV)	+/-10 mv								
Appearance									
Free Product (Yes/No)									
Odor									

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Comments

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Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: NFO

WELL DATA

Date	4/25/2025	
Time		
Water meter utilized and date last calibrated		
Well Number	MW-1	
PID Reading (ppm)	0.1	
Diameter (inches)	2.0	
Total Sounded Depth (feet)	15.00	
Static Water Level (feet)	9.13	
H_2O Column (feet)	5.87	
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date	4/25/2025	
Sample Time	11:20	
Sampler Initials	NFO	
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	4/25/2025	4/25/2025	4/25/2025	4/25/2025	4/25/2025	4/25/2025	4/25/2025	4/25/2025
Time		10:25	10:30	10:35	10:40	10:45	10:50	10:55	11:00
Volume Extracted	gallons	0	0.25	0.5	0.75	1	1.25	1.5	1.75
Static Water Level (feet)	NA	9.13	9.17	9.2	9.2	9.2	9.2	9.18	9.19
pH (Std. Units)	+/-0.1	8.23	7.64	7.46	7.36	7.31	7.27	7.26	7.26
Conductivity (mS/cm)	3%	6.64	7.31	7.46	7.51	7.54	7.57	7.61	7.63
Turbidity (NTU)	10%	0.79	0.24	0.23	0.04	0.43	0	0	0
D.O. (mg/L)	10%	2.84	1.57	1.36	1.28	1.24	1.29	1.34	1.36
Temperature (ºC) (ºF)	3%	13.49	12.66	12.16	11.94	11.83	11.79	11.73	11.73
ORP[3](mV)	+/-10 mv	114	126	127	126	122	113	102	91
Appearance		C	C	C	C	C	C	C	C
Free Product (Yes/No)		No	No	No	No	No	No	No	No
Odor									

Date	Stabilization Criteria	4/25/2025	4/25/2025	4/25/2025	4/25/2025	4/25/2025			
Time		11:05	11:10	11:15	11:20				
Volume Extracted	gallons	2	2.25	2.5	2.75				
Static Water Level (feet)	NA	9.2	9.2	9.2	9.2				
pH (Std. Units)	+/-0.1	7.26	7.26	7.26	7.26				
Conductivity (mS/cm)	3%	7.66	7.68	7.7	7.7				
Turbidity (NTU)	10%	0	0	0	0				
D.O. (mg/L)	10%	1.35	1.35	1.32	1.3				
Temperature (ºC) (ºF)	3%	11.69	11.69	11.67	11.68				
ORP[3](mV)	+/-10 mv	78	67	63	58				
Appearance		C	C	C	C				
Free Product (Yes/No)		No	No	No	No				
Odor									

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Comments

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Well Sampling Field Data Sheet

Well Casing Unit Volume		
(gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: NFO

WELL DATA

Date	4/25/2025	
Time		
Water meter utilized and date last calibrated		
Well Number	MW-7	
PID Reading (ppm)	0.4	
Diameter (inches)	2.0	
Total Sounded Depth (feet)	15.00	
Static Water Level (feet)	11.79	
H_2O Column (feet)	3.21	
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date	4/25/2025	
Sample Time	1:00	
Sampler Initials	NFO	
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	4/25/2025							
Time		11:55	12:00	12:05	12:10	12:15	12:20	12:25	12:30
Volume Extracted	gallons	0.25	0.5	0.75	1	1.25	1.5	1.75	2
Static Water Level (feet)	NA	11.79	11.9	11.96	11.98	12	12.02	12.05	12.1
pH (Std. Units)	+/-0.1	7.64	7.56	7.46	7.39	7.33	7.3	7.27	7.25
Conductivity (mS/cm)	3%	4.5	4.54	4.9	5.26	5.54	5.66	5.79	5.98
Turbidity (NTU)	10%	224	178	612	905	629	389	242	445
D.O. (mg/L)	10%	8.14	4.78	3.5	2.68	2.02	1.81	1.67	1.49
Temperature (ºC) (ºF)	3%	12.94	12.9	12.85	12.78	12.69	12.68	12.79	12.6
ORP[3](mV)	+/-10 mv	110	111	113	116	118	118	118	119
Appearance		T	T	T	T	T	T	T	T
Free Product (Yes/No)		No	No	No	No	No	No	No	No
Odor									

Date	Stabilization Criteria								
Time		12:35	12:40	12:45	12:50	12:55	1:00		
Volume Extracted	gallons	2.25	2.5	2.75	3	3.25	3.5		
Static Water Level (feet)	NA	12	11.83	11.77	11.75	11.7			
pH (Std. Units)	+/-0.1	7.22	7.2	7.2	7.2	7.2	7.21		
Conductivity (mS/cm)	3%	5.99	6	6.05	6.15	6.23	6.29		
Turbidity (NTU)	10%	230	89.5	52.1	47.1	33.9	24.4		
D.O. (mg/L)	10%	1.42	1.99	1.98	1.89	1.85	1.87		
Temperature (ºC) (ºF)	3%	12.78	12.93	12.99	13.04	13.05	13.07		
ORP[3](mV)	+/-10 mv	118	119	119	119	118	118		
Appearance		T	T	T	T	T	T		
Free Product (Yes/No)		No	No	No	No	No	No		
Odor									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

Comments

C&S Engineers, Inc.
499 Col Eileen Collins Blvd
Syracuse, NY 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: NFO

WELL DATA

Date	4/25/2025	
Time		
Water meter utilized and date last calibrated		
Well Number	MW-5	
PID Reading (ppm)	0.4	
Diameter (inches)	2.0	
Total Sounded Depth (feet)	15'	
Static Water Level (feet)		
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date	4/25/2025	
Sample Time	2:05	
Sampler Initials	NFO	
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	4/25/2025							
Time		1:50	1:55	2:00	2:05				
Volume Extracted	gallons	0.25	0.5	0.75	1				
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.26	7.26	7.27	7.27				
Conductivity (mS/cm)	3%	0.009	0.009	0.009	0.009				
Turbidity (NTU)	10%	3.08	2.76	2.74	2.78				
D.O. (mg/L)	10%	11.89	11.75	11.68	11.58				
Temperature (ºC) (ºF)	3%	13.87	13.89	13.89	13.95				
ORP[3](mV)	+/-10 mv	-119	-115	-112	-109				
Appearance		ST	ST	ST	ST				
Free Product (Yes/No)		No	No	No	No				
Odor		P	P	P	P				

Date	Stabilization Criteria								
Time									
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (ºC) (ºF)	3%								
ORP[3](mV)	+/-10 mv								
Appearance									
Free Product (Yes/No)									
Odor									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

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Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: NFO

WELL DATA

Date	4/25/2025	
Time		
Water meter utilized and date last calibrated		
Well Number	MW-3	
PID Reading (ppm)	0.5	
Diameter (inches)	8.0	
Total Sounded Depth (feet)	15'	
Static Water Level (feet)	7.68	
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date	4/25/2025	
Sample Time	3:10	
Sampler Initials	NFO	
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	4/25/2025							
Time		2:40	2:45	2:50	2:55	3:00	3:05	3:10	
Volume Extracted	gallons	0.25	0.5	0.75	1	1.25	1.5	1.75	
Static Water Level (feet)	NA	7.68							
pH (Std. Units)	+/-0.1	8.12	8.08	8.08	8.09	8.11	8.11	8.12	
Conductivity (mS/cm)	3%	5.46	5.54	5.49	5.44	5.35	5.33	5.32	
Turbidity (NTU)	10%	26	24.1	22.3	20.3	16.3	14.2	13.4	
D.O. (mg/L)	10%	2.6	1.14	1.3	1.65	2.17	2.32	2.34	
Temperature (ºC) (ºF)	3%	13.92	13.91	13.83	13.76	13.69	13.68	13.69	
ORP[3](mV)	+/-10 mv	-103	-147	-164	-155	-143	-137	-134	
Appearance		ST	ST	ST	C	C	C	C	
Free Product (Yes/No)		No	No	No	No	No	No	No	
Odor									

Date	Stabilization Criteria								
Time									
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (ºC) (ºF)	3%								
ORP[3](mV)	+/-10 mv								
Appearance									
Free Product (Yes/No)									
Odor									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

Comments

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Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Conventus
Project No.: U86
Field Staff: NFO

WELL DATA

Date	4/25/2025	
Time		
Water meter utilized and date last calibrated		
Well Number	MW-4	
PID Reading (ppm)	0.2	
Diameter (inches)	8.0	
Total Sounded Depth (feet)	15'	
Static Water Level (feet)		
H_2O Column (feet)		
Pump Intake (feet)		
Well Volume (gallons)		
Amount to Evacuate (gallons)		
Amount Evacuated (gallons)		

SAMPLE DATA

Sample Date	4/25/2025	
Sample Time	4:00	
Sampler Initials	NFO	
Sample I.D.		
Dupe Collected?	☐ Yes ☐ No	ID:
MS Collected?	☐ Yes ☐ No	ID:
MSD Collected?	☐ Yes ☐ No	ID:
Trip Blank Collected?	☐ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☐ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	4/25/2025							
Time		3:25	3:30	3:35	3:40	3:45	3:50	3:55	4:00
Volume Extracted	gallons	0.25	0.5	0.75	1	1.25	1.5	1.75	2
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.82	7.8	7.77	7.78	7.9	8	8.07	8.09
Conductivity (mS/cm)	3%	4.45	4.46	4.47	4.47	4.44	4.43	4.43	4.43
Turbidity (NTU)	10%	15.2	13.2	12.7	12.7	10.1	7.73	7.3	7.63
D.O. (mg/L)	10%	1.46	1.23	0.94	0.86	0.8	0.77	0.75	0.74
Temperature (ºC) (ºF)	3%	13.43	13.34	13.19	13.15	13.02	13	12.99	12.98
ORP[3](mV)	+/-10 mv	-181	-187	-207	-217	-241	-252	-258	-261
Appearance		C	C	C	C	C	C	C	C
Free Product (Yes/No)		No	No	No	No	No	No	No	No
Odor									

Date	Stabilization Criteria								
Time									
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1								
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%								
D.O. (mg/L)	10%								
Temperature (ºC) (ºF)	3%								
ORP[3](mV)	+/-10 mv								
Appearance									
Free Product (Yes/No)									
Odor									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

Comments

APPENDIX A

LABORATORY ANALYTICAL RESULTS

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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2457097

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Project Name: CONVENTUS
Project Number: U86

Lab Number: L2457097
Report Date: 10/09/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2457097-01	MW-1	WATER	CONVENTUS	10/02/24 10:25	10/02/24
L2457097-02	MW-7	WATER	CONVENTUS	10/02/24 11:25	10/02/24
L2457097-03	MW-4	WATER	CONVENTUS	10/02/24 12:30	10/02/24
L2457097-04	MW-3	WATER	CONVENTUS	10/02/24 13:15	10/02/24
L2457097-05	MW-6	WATER	CONVENTUS	10/02/24 14:00	10/02/24
L2457097-06	MW-5	WATER	CONVENTUS	10/02/24 15:05	10/02/24
L2457097-07	TRIP BLANK	WATER	CONVENTUS	10/02/24 15:45	10/02/24

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2457097-06: The sample identified as "MW-5" on the chain of custody was identified as "MW-8" on the container label. At the client's request, the sample is reported as "MW-5".

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

Authorized Signature: Caitlin Wallukeit Report Date: 10/09/24

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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

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

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

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

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Alpha Job Number : L2457097

Account Name : C&S Companies
Project Number : U86
Project Name : CONVENTUS

Received : 02-OCT-2024
Reviewer : Katelyn Wolotschaj

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.4	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels? L2457097-06: MW-5 vs. MW-8	**YES**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

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

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 09 2024, 05:29 pm

Login Number: L2457097
Account: C&SCOMP C&S CompaniesProject: U86
Received: 02OCT24 Due Date: 09OCT24

Sample #	Client ID	Mat	PR	Collected
L2457097-01	MW-1	S0	1	02OCT24 10:25
8260 REPORT LSIT BUILT ASP-B Package Due Date: 10/09/24				
ASP-B,NYTCL-8260-R2				
L2457097-02	MW-7	S0	1	02OCT24 11:25
8260 REPORT LSIT BUILT Package Due Date: 10/09/24				
NYTCL-8260-R2				
L2457097-03	MW-4	S0	1	02OCT24 12:30
8260 REPORT LSIT BUILT Package Due Date: 10/09/24				
NYTCL-8260-R2				
L2457097-04	MW-3	S0	1	02OCT24 13:15
8260 REPORT LSIT BUILT Package Due Date: 10/09/24				
NYTCL-8260-R2				
L2457097-05	MW-6	S0	1	02OCT24 14:00
8260 REPORT LSIT BUILT Package Due Date: 10/09/24				
NYTCL-8260-R2				
L2457097-06	MW-5	S0	1	02OCT24 15:05
8260 REPORT LSIT BUILT Package Due Date: 10/09/24				
NYTCL-8260-R2				
L2457097-07	TRIP BLANK	S0	1	02OCT24 15:45
8260 REPORT LSIT BUILT Package Due Date: 10/09/24				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 09 2024, 05:29 pm

Login Number: L2457097
Account: C&SCOMP C&S CompaniesProject: U86
Received: 02OCT24 Due Date: 09OCT24

Sample #	Client ID	Mat	PR Collected

NYTCL-8260-R2

Logged By: Candace Fox

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab 10/3/24

ALPHA Job # L2457097

Client Information

Client: CTS COMPANIES
Address: 141 ELM ST.
BUFFALO NY 14203
Phone: 716-994-3520
Fax:
Email: Rbackert@ctscos.com

Project Information

Project Name: CONVENTUS
Project Location: CONVENTUS
Project # U 820
(Use Project name as Project #) ☐
Project Manager: RICH BACKERT
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Sample Specific Comments	Total Bottle
L2457097-01	MW-1	10/2/24	10:25	GW	RB	X		3
-02	MW-7	10/2/24	11:25	GW	RB	X		3
-03	MW-4	10/2/24	12:30	GW	RB	X		3
-04	MW-3	10/2/24	1:15	GW	RB	X		3
-05	MW-6	10/2/24	2:00	GW	RB	X		3
-06	MW-5	10/2/24	3:05	GW	RB	X		3
-07	TRIP BLANK	10/2/24	3:45	GW	RB	X		2

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	10/2/24 3:45		10/2/24 @15:45
	10/2/24 @15:45		10-2-24 15:45
	10-2-24 16:09		
	0130		10/3 0130

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

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

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: C&S Companies
Project Name: CONVENTUS

Lab Number: L2457097
Project Number: U86
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-1 (L2457097-01)	113	100	110	107	0
MW-7 (L2457097-02)	114	101	109	105	0
MW-4 (L2457097-03D)	107	103	108	94	0
MW-3 (L2457097-04D)	106	103	104	96	0
MW-6 (L2457097-05)	109	101	110	101	0
MW-5 (L2457097-06D)	111	102	108	101	0
MW-5 (L2457097-06D2)	104	101	107	96	0
TRIP BLANK (L2457097-07)	114	101	109	107	0
WG1981780-3LCS	105	105	112	97	0
WG1981780-4LCSD	106	104	114	96	0
WG1981780-5BLANK	108	102	112	103	0
WG1982134-3LCS	111	104	105	102	0
WG1982134-4LCSD	111	103	105	100	0
WG1982134-5BLANK	114	100	108	107	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1981780-3	**Analysis Date** : 10/08/24 06:40	**File ID** : V05241008A01
LCSD Sample ID	: WG1981780-4	**Analysis Date** : 10/08/24 07:06	**File ID** : V05241008A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	10	100	10	11	110	10	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	9.7	97	10	10	100	3	63-130	20
1,1,2-Trichloroethane	10	10	100	10	10	100	0	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	10	100	10	9.9	99	1	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	9.8	98	10	10	100	2	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
cis-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
Bromoform	10	9.3	93	10	9.7	97	4	54-136	20
1,1,2,2-Tetrachloroethane	10	9.9	99	10	10	100	1	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	10	11	110	10	11	110	0	70-130	20
Chloromethane	10	8.2	82	10	8.4	84	2	64-130	20
Bromomethane	10	3.4	34 Q	10	3.6	36 Q	6	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	7.6	76	10	7.8	78	3	55-138	20
1,1-Dichloroethene	10	10	100	10	9.8	98	2	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1981780-3	**Analysis Date** : 10/08/24 06:40	**File ID** : V05241008A01
LCSD Sample ID	: WG1981780-4	**Analysis Date** : 10/08/24 07:06	**File ID** : V05241008A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.8	98	10	10	100	2	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	9.6	96	10	9.8	98	2	63-130	20
p/m-Xylene	20	22	110	20	22	110	0	70-130	20
o-Xylene	20	22	110	20	22	110	0	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Styrene	20	21	105	20	21	105	0	70-130	20
Dichlorodifluoromethane	10	11	110	10	11	110	0	36-147	20
Acetone	10	8.1	81	10	8.8	88	8	58-148	20
Carbon disulfide	10	10	100	10	10	100	0	51-130	20
2-Butanone	10	8.5	85	10	9.2	92	8	63-138	20
4-Methyl-2-pentanone	10	10	100	10	11	110	10	59-130	20
2-Hexanone	10	9.6	96	10	10	100	4	57-130	20
1,2-Dibromoethane	10	10	100	10	10	100	0	70-130	20
n-Butylbenzene	10	11	110	10	11	110	0	53-136	20
sec-Butylbenzene	10	11	110	10	11	110	0	70-130	20
tert-Butylbenzene	10	11	110	10	11	110	0	70-130	20
1,2-Dibromo-3-chloropropane	10	8.9	89	10	9.2	92	3	41-144	20
Isopropylbenzene	10	11	110	10	12	120	9	70-130	20
p-Isopropyltoluene	10	11	110	10	11	110	0	70-130	20
Naphthalene	10	9.5	95	10	9.6	96	1	70-130	20
n-Propylbenzene	10	11	110	10	11	110	0	69-130	20
1,2,4-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3,5-Trimethylbenzene	10	11	110	10	11	110	0	64-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1981780-3	**Analysis Date** : 10/08/24 06:40	**File ID** : V05241008A01
LCSD Sample ID	: WG1981780-4	**Analysis Date** : 10/08/24 07:06	**File ID** : V05241008A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	10	11	110	10	11	110	0	70-130	20
Methyl Acetate	10	9.7	97	10	9.6	96	1	70-130	20
Cyclohexane	10	12	120	10	12	120	0	70-130	20
Freon-113	10	9.9	99	10	9.9	99	0	70-130	20
Methyl cyclohexane	10	11	110	10	11	110	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1982134-3	**Analysis Date** : 10/09/24 06:38	**File ID** : V05241009A01
LCSD Sample ID	: WG1982134-4	**Analysis Date** : 10/09/24 07:04	**File ID** : V05241009A02

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110		10	11	110	0	70-130	20
1,1-Dichloroethane	10	12	120		10	11	110	9	70-130	20
Chloroform	10	11	110		10	10	100	10	70-130	20
Carbon tetrachloride	10	11	110		10	11	110	0	63-132	20
1,2-Dichloropropane	10	11	110		10	11	110	0	70-130	20
Dibromochloromethane	10	10	100		10	10	100	0	63-130	20
1,1,2-Trichloroethane	10	11	110		10	10	100	10	70-130	20
Tetrachloroethene	10	11	110		10	11	110	0	70-130	20
Chlorobenzene	10	10	100		10	10	100	0	75-130	20
Trichlorofluoromethane	10	11	110		10	11	110	0	62-150	20
1,2-Dichloroethane	10	11	110		10	11	110	0	70-130	20
1,1,1-Trichloroethane	10	11	110		10	11	110	0	67-130	20
Bromodichloromethane	10	10	100		10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	11	110		10	11	110	0	70-130	20
cis-1,3-Dichloropropene	10	11	110		10	11	110	0	70-130	20
Bromoform	10	9.2	92		10	9.5	95	3	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92		10	9.4	94	2	67-130	20
Benzene	10	11	110		10	11	110	0	70-130	20
Toluene	10	11	110		10	11	110	0	70-130	20
Ethylbenzene	10	11	110		10	11	110	0	70-130	20
Chloromethane	10	8.6	86		10	8.4	84	2	64-130	20
Bromomethane	10	3.5	35	Q	10	3.8	38	Q 8	39-139	20
Vinyl chloride	10	11	110		10	11	110	0	55-140	20
Chloroethane	10	8.4	84		10	8.4	84	0	55-138	20
1,1-Dichloroethene	10	10	100		10	10	100	0	61-145	20
trans-1,2-Dichloroethene	10	11	110		10	11	110	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : C&S Companies
Project Name : CONVENTUS
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1982134-3 **Analysis Date** : 10/09/24 06:38 **File ID** : V05241009A01
LCSD Sample ID : WG1982134-4 **Analysis Date** : 10/09/24 07:04 **File ID** : V05241009A02
Lab Number : L2457097
Project Number : U86

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	9.9	99	10	10	100	1	70-130	20
Methyl tert butyl ether	10	9.0	90	10	9.2	92	2	63-130	20
p/m-Xylene	20	22	110	20	22	110	0	70-130	20
o-Xylene	20	22	110	20	22	110	0	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Styrene	20	21	105	20	21	105	0	70-130	20
Dichlorodifluoromethane	10	11	110	10	11	110	0	36-147	20
Acetone	10	8.3	83	10	8.4	84	1	58-148	20
Carbon disulfide	10	11	110	10	11	110	0	51-130	20
2-Butanone	10	9.1	91	10	9.6	96	5	63-138	20
4-Methyl-2-pentanone	10	9.2	92	10	9.4	94	2	59-130	20
2-Hexanone	10	8.7	87	10	9.0	90	3	57-130	20
1,2-Dibromoethane	10	9.9	99	10	10	100	1	70-130	20
n-Butylbenzene	10	11	110	10	10	100	10	53-136	20
sec-Butylbenzene	10	11	110	10	11	110	0	70-130	20
tert-Butylbenzene	10	10	100	10	11	110	10	70-130	20
1,2-Dibromo-3-chloropropane	10	8.5	85	10	9.0	90	6	41-144	20
Isopropylbenzene	10	11	110	10	11	110	0	70-130	20
p-Isopropyltoluene	10	11	110	10	11	110	0	70-130	20
Naphthalene	10	8.3	83	10	8.8	88	6	70-130	20
n-Propylbenzene	10	11	110	10	11	110	0	69-130	20
1,2,4-Trichlorobenzene	10	9.8	98	10	10	100	2	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	10	100	0	64-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1982134-3	**Analysis Date** : 10/09/24 06:38	**File ID** : V05241009A01
LCSD Sample ID	: WG1982134-4	**Analysis Date** : 10/09/24 07:04	**File ID** : V05241009A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	10	10	100	10	10	100	0	70-130	20
Methyl Acetate	10	9.4	94	10	9.7	97	3	70-130	20
Cyclohexane	10	12	120	10	12	120	0	70-130	20
Freon-113	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	11	110	10	11	110	0	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab Sample ID	: WG1981780-5	**Lab File ID**	: V05241008A05
Instrument ID	: VOA105		
Matrix	: WATER	**Analysis Date**	: 10/08/24 08:22

Client Sample No.	Lab Sample ID	Analysis Date
WG1981780-3LCS	WG1981780-3	10/08/24 06:40
WG1981780-4LCSD	WG1981780-4	10/08/24 07:06
TRIP BLANK	L2457097-07	10/08/24 11:45
MW-1	L2457097-01	10/08/24 12:10
MW-7	L2457097-02	10/08/24 12:36
MW-4	L2457097-03D	10/08/24 13:01
MW-3	L2457097-04D	10/08/24 13:26
MW-5	L2457097-06D	10/08/24 13:52
MW-6	L2457097-05	10/08/24 14:17

Method Blank Summary
Form 4
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab Sample ID	: WG1982134-5	**Lab File ID**	: V05241009A05
Instrument ID	: VOA105		
Matrix	: WATER	**Analysis Date**	: 10/09/24 08:19

Client Sample No.	Lab Sample ID	Analysis Date
WG1982134-3LCS	WG1982134-3	10/09/24 06:38
WG1982134-4LCSD	WG1982134-4	10/09/24 07:04
MW-5	L2457097-06D2	10/09/24 10:27

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

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Instrument ID	: VOA105	**Analysis Date**	: 09/06/24 16:20
Tune Standard	: WG1969218-1	**Tune File ID**	: V05240906NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 80.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1 (1.1)1
174	Greater than 50.0% of mass 95	91.2
175	5.0 - 9.0% of mass 174	7.1 (7.8)1
176	Greater than 95.0% but less than 101% of mass	86.7 (95.1)1
177	5.0 - 9.0% of mass 176	5.9 (6.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1873592-1	V05240906N03	09/06/24 17:39
STD0.5PPB	R1873592-2	V05240906N05	09/06/24 18:30
STD2PPB	R1873592-3	V05240906N07	09/06/24 19:21
STD10PPB	R1873592-4	V05240906N09	09/06/24 20:12
STD30PPB	R1873592-5	V05240906N10	09/06/24 20:37
STD80PPB	R1873592-7	V05240906N11	09/06/24 21:02
STD120PPB	R1873592-6	V05240906N12	09/06/24 21:28
STD200PPB	R1873592-8	V05240906N13	09/06/24 21:53
Correlation Data Summary	R1873592-9	V05240906N18	09/07/24 00:00
ICV Quant Report	R1873592-9	V05240906N18	09/07/24 00:00

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

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Instrument ID	: VOA105	**Analysis Date**	: 10/08/24 06:28
Tune Standard	: WG1981780-1	**Tune File ID**	: V05241008ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.7
75	30.0 - 80.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (.4)1
174	Greater than 50.0% of mass 95	88.6
175	5.0 - 9.0% of mass 174	6.4 (7.2)1
176	Greater than 95.0% but less than 101% of mass	85.8 (96.9)1
177	5.0 - 9.0% of mass 176	5.6 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1981780-2CCAL	WG1981780-2	V05241008A01	10/08/24 06:40
WG1981780-3LCS	WG1981780-3	V05241008A01	10/08/24 06:40
WG1981780-4LCSD	WG1981780-4	V05241008A02	10/08/24 07:06
WG1981780-5BLANK	WG1981780-5	V05241008A05	10/08/24 08:22
TRIP BLANK	L2457097-07	V05241008A13	10/08/24 11:45
MW-1	L2457097-01	V05241008A14	10/08/24 12:10
MW-7	L2457097-02	V05241008A15	10/08/24 12:36
MW-4	L2457097-03D	V05241008A16	10/08/24 13:01
MW-3	L2457097-04D	V05241008A17	10/08/24 13:26
MW-5	L2457097-06D	V05241008A18	10/08/24 13:52
MW-6	L2457097-05	V05241008A19	10/08/24 14:17

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

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Instrument ID	: VOA105	**Analysis Date**	: 10/09/24 06:24
Tune Standard	: WG1982134-1	**Tune File ID**	: V05241009ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 80.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.1 (1.2)1
174	Greater than 50.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	7.2 (7.7)1
176	Greater than 95.0% but less than 101% of mass	91.7 (97.9)1
177	5.0 - 9.0% of mass 176	6 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1982134-2CCAL	WG1982134-2	V05241009A01	10/09/24 06:38
WG1982134-3LCS	WG1982134-3	V05241009A01	10/09/24 06:38
WG1982134-4LCSD	WG1982134-4	V05241009A02	10/09/24 07:04
WG1982134-5BLANK	WG1982134-5	V05241009A05	10/09/24 08:19
MW-5	L2457097-06D2	V05241009A10	10/09/24 10:27

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Instrument ID	: VOA105	**Analysis Date**	: 10/08/24 06:40:00
Sample No	: WG1981780-2	**Lab File ID**	: V05241008A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1981780-2	594385	5.68	454960	9.18	272073	11.95
Upper Limit	1188770	6.18	909920	9.68	544146	12.45
Lower Limit	297193	5.18	227480	8.68	136037	11.45
Sample ID						
WG1981780-3 LCS	594385	5.68	454960	9.18	272073	11.95
WG1981780-4 LCSD	578909	5.68	445073	9.18	265878	11.95
WG1981780-5 BLANK	518079	5.68	403018	9.18	235899	11.95
TRIP BLANK	429025	5.68	335325	9.18	200189	11.95
MW-1	434554	5.68	340383	9.18	201049	11.95
MW-7	427285	5.68	329787	9.18	196768	11.95
MW-4	491029	5.68	365960	9.18	219314	11.95
MW-3	488623	5.68	371499	9.18	227838	11.95
MW-5	478705	5.68	375685	9.18	230102	11.95
MW-6	478986	5.68	371270	9.18	223185	11.95

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Instrument ID	: VOA105	**Analysis Date**	: 10/09/24 06:38:00
Sample No	: WG1982134-2	**Lab File ID**	: V05241009A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1982134-2	452753	5.68	351916	9.18	226621	11.95
Upper Limit	905506	6.18	703832	9.68	453242	12.45
Lower Limit	226377	5.18	175958	8.68	113311	11.45
Sample ID						
WG1982134-3 LCS	452753	5.68	351916	9.18	226621	11.95
WG1982134-4 LCSD	450561	5.68	353180	9.18	226106	11.95
WG1982134-5 BLANK	415091	5.68	327740	9.18	195066	11.95
MW-5	517574	5.68	417024	9.18	250265	11.95

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

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

* Values outside of QC limits

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Created By: Jason Hebert
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Volatile Organics - EPA 8260D (WATER)

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

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

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

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Created By: Jason Hebert
File: PM14094-1
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Volatile Organics - EPA 8260D (WATER)

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

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

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Date Created: 03/15/23
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VOCs - EPA 8260D/5035 High & Low (SOIL)

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

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

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

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

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

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-01	Date Collected	: 10/02/24 10:25
Client ID	: MW-1	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-01	Date Collected	: 10/02/24 10:25
Client ID	: MW-1	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-01	**Date Collected**	: 10/02/24 10:25
Client ID	: MW-1	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 12:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-02	**Date Collected**	: 10/02/24 11:25
Client ID	: MW-7	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 12:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-02	Date Collected	: 10/02/24 11:25
Client ID	: MW-7	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A15	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-02	**Date Collected**	: 10/02/24 11:25
Client ID	: MW-7	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 12:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-03D	**Date Collected**	: 10/02/24 12:30
Client ID	: MW-4	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 13:01
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A16	**Instrument ID**	: VOA105
Sample Amount	: 2.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	10	2.8	U
75-34-3	1,1-Dichloroethane	ND	10	2.8	U
67-66-3	Chloroform	ND	10	2.8	U
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U
124-48-1	Dibromochloromethane	ND	2.0	0.60	U
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U
127-18-4	Tetrachloroethene	ND	2.0	0.72	U
108-90-7	Chlorobenzene	ND	10	2.8	U
75-69-4	Trichlorofluoromethane	ND	10	2.8	U
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U
71-55-6	1,1,1-Trichloroethane	ND	10	2.8	U
75-27-4	Bromodichloromethane	ND	2.0	0.77	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U
75-25-2	Bromoform	ND	8.0	2.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U
71-43-2	Benzene	3.9	2.0	0.64	
108-88-3	Toluene	11	10	2.8	
100-41-4	Ethylbenzene	570	10	2.8	
74-87-3	Chloromethane	ND	10	2.8	U
74-83-9	Bromomethane	ND	10	2.8	U
75-01-4	Vinyl chloride	ND	4.0	0.28	U
75-00-3	Chloroethane	ND	10	2.8	U
75-35-4	1,1-Dichloroethene	ND	2.0	0.68	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-03D	Date Collected	: 10/02/24 12:30
Client ID	: MW-4	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:01
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A16	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U
79-01-6	Trichloroethene	ND	2.0	0.70	U
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	0.66	U
179601-23-1	p/m-Xylene	6.3	10	2.8	J
95-47-6	o-Xylene	3.3	10	2.8	J
156-59-2	cis-1,2-Dichloroethene	ND	10	2.8	U
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
104-51-8	n-Butylbenzene	4.2	10	2.8	J
135-98-8	sec-Butylbenzene	ND	10	2.8	U
98-06-6	tert-Butylbenzene	ND	10	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
98-82-8	Isopropylbenzene	18	10	2.8	
99-87-6	p-Isopropyltoluene	ND	10	2.8	U
91-20-3	Naphthalene	76	10	2.8	
103-65-1	n-Propylbenzene	94	10	2.8	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-03D	**Date Collected**	: 10/02/24 12:30
Client ID	: MW-4	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 13:01
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A16	**Instrument ID**	: VOA105
Sample Amount	: 2.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	10	2.8	U
95-63-6	1,2,4-Trimethylbenzene	370	10	2.8	
79-20-9	Methyl Acetate	ND	8.0	0.94	U
110-82-7	Cyclohexane	64	40	1.1	
76-13-1	Freon-113	ND	10	2.8	U
108-87-2	Methyl cyclohexane	12	40	1.6	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-04D	Date Collected	: 10/02/24 13:15
Client ID	: MW-3	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:26
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A17	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	10	2.8	U
75-34-3	1,1-Dichloroethane	ND	10	2.8	U
67-66-3	Chloroform	ND	10	2.8	U
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U
124-48-1	Dibromochloromethane	ND	2.0	0.60	U
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U
127-18-4	Tetrachloroethene	ND	2.0	0.72	U
108-90-7	Chlorobenzene	ND	10	2.8	U
75-69-4	Trichlorofluoromethane	ND	10	2.8	U
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U
71-55-6	1,1,1-Trichloroethane	ND	10	2.8	U
75-27-4	Bromodichloromethane	ND	2.0	0.77	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U
75-25-2	Bromoform	ND	8.0	2.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U
71-43-2	Benzene	0.66	2.0	0.64	J
108-88-3	Toluene	8.6	10	2.8	J
100-41-4	Ethylbenzene	130	10	2.8	
74-87-3	Chloromethane	ND	10	2.8	U
74-83-9	Bromomethane	ND	10	2.8	U
75-01-4	Vinyl chloride	ND	4.0	0.28	U
75-00-3	Chloroethane	ND	10	2.8	U
75-35-4	1,1-Dichloroethene	ND	2.0	0.68	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-04D	Date Collected	: 10/02/24 13:15
Client ID	: MW-3	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:26
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A17	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U
79-01-6	Trichloroethene	ND	2.0	0.70	U
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	0.66	U
179601-23-1	p/m-Xylene	210	10	2.8	
95-47-6	o-Xylene	15	10	2.8	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.8	U
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
104-51-8	n-Butylbenzene	ND	10	2.8	U
135-98-8	sec-Butylbenzene	ND	10	2.8	U
98-06-6	tert-Butylbenzene	ND	10	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
98-82-8	Isopropylbenzene	ND	10	2.8	U
99-87-6	p-Isopropyltoluene	ND	10	2.8	U
91-20-3	Naphthalene	120	10	2.8	
103-65-1	n-Propylbenzene	5.1	10	2.8	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-04D	**Date Collected**	: 10/02/24 13:15
Client ID	: MW-3	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 13:26
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A17	**Instrument ID**	: VOA105
Sample Amount	: 2.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	10	2.8	U
95-63-6	1,2,4-Trimethylbenzene	470	10	2.8	
79-20-9	Methyl Acetate	ND	8.0	0.94	U
110-82-7	Cyclohexane	53	40	1.1	
76-13-1	Freon-113	ND	10	2.8	U
108-87-2	Methyl cyclohexane	25	40	1.6	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-05	Date Collected	: 10/02/24 14:00
Client ID	: MW-6	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 14:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.48	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-05	Date Collected	: 10/02/24 14:00
Client ID	: MW-6	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 14:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	0.78	2.5	0.70	J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-05	**Date Collected**	: 10/02/24 14:00
Client ID	: MW-6	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 14:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A19	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	0.41	10	0.40	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-06D2	**Date Collected**	: 10/02/24 15:05
Client ID	: MW-5	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/09/24 10:27
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A10	**Instrument ID**	: VOA105
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	ND	1.2	0.45	U
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	0.75	1.2	0.40	J
108-88-3	Toluene	18	6.2	1.8	
100-41-4	Ethylbenzene	990	6.2	1.8	E
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	ND	2.5	0.18	U
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-06D2	**Date Collected**	: 10/02/24 15:05
Client ID	: MW-5	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/09/24 10:27
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A10	**Instrument ID**	: VOA105
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	ND	1.2	0.44	U
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	0.42	U
179601-23-1	p/m-Xylene	2600	6.2	1.8	E
95-47-6	o-Xylene	73	6.2	1.8	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	1.8	U
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
104-51-8	n-Butylbenzene	2.8	6.2	1.8	J
135-98-8	sec-Butylbenzene	ND	6.2	1.8	U
98-06-6	tert-Butylbenzene	ND	6.2	1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	18	6.2	1.8	
99-87-6	p-Isopropyltoluene	ND	6.2	1.8	U
91-20-3	Naphthalene	790	6.2	1.8	E
103-65-1	n-Propylbenzene	82	6.2	1.8	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-06D2	**Date Collected**	: 10/02/24 15:05
Client ID	: MW-5	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/09/24 10:27
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A10	**Instrument ID**	: VOA105
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
108-67-8	1,3,5-Trimethylbenzene	300	6.2	1.8	
95-63-6	1,2,4-Trimethylbenzene	1100	6.2	1.8	E
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	21	25	0.68	J
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	5.6	25	0.99	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-06D	**Date Collected**	: 10/02/24 15:05
Client ID	: MW-5	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 13:52
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A18	**Instrument ID**	: VOA105
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-41-4	Ethylbenzene	960	50	14.	
179601-23-1	p/m-Xylene	2000	50	14.	
91-20-3	Naphthalene	530	50	14.	
95-63-6	1,2,4-Trimethylbenzene	1400	50	14.	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-07	**Date Collected**	: 10/02/24 15:45
Client ID	: TRIP BLANK	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 11:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A13	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-07	Date Collected	: 10/02/24 15:45
Client ID	: TRIP BLANK	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 11:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A13	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-07	**Date Collected**	: 10/02/24 15:45
Client ID	: TRIP BLANK	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 11:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A13	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: WG1981780-5	**Date Collected**	: NA
Client ID	: WG1981780-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/08/24 08:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241008A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: WG1981780-5	**Date Collected**	: NA
Client ID	: WG1981780-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/08/24 08:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241008A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: WG1981780-5	**Date Collected**	: NA
Client ID	: WG1981780-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/08/24 08:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241008A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: WG1982134-5	**Date Collected**	: NA
Client ID	: WG1982134-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/09/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: WG1982134-5	Date Collected	: NA
Client ID	: WG1982134-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 10/09/24 08:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241009A05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: WG1982134-5	**Date Collected**	: NA
Client ID	: WG1982134-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/09/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A13.D
Acq On : 8 Oct 2024 11:45 am
Operator : VOA105:MAG
Sample : l2457097-07,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 21:28:02 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	429025	10.000 ug/L	0.00
Standard Area 1 = 594385			Recovery = 72.18%		
59) Chlorobenzene-d5	9.177	117	335325	10.000 ug/L	0.00
Standard Area 1 = 454960			Recovery = 73.70%		
79) 1,4-Dichlorobenzene-d4	11.949	152	200189	10.000 ug/L	0.00
Standard Area 1 = 272073			Recovery = 73.58%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	128151	10.688 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.88%		
43) 1,2-Dichloroethane-d4	5.410	65	141474	11.413 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.13%		
60) Toluene-d8	7.347	98	410179	10.128 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.28%		
83) 4-Bromofluorobenzene	10.715	95	151582	10.913 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.13%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.342	85	586	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	109	N.D.	
6) Chloroethane	2.095	64	445	Below Cal #	41
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.730	96	204	N.D.	
11) Carbon disulfide	2.740	76	391	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.454	43	198	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	
37) 1,1,1-Trichloroethane	0.000		0	N.D.	

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A13.D
Acq On : 8 Oct 2024 11:45 am
Operator : VOA105:MAG
Sample : l2457097-07,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 21:28:02 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.362	78	101	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	5.870	95	194	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.406	92	448	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.167	91	509	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.705	91	401	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		
97) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
98) sec-Butylbenzene	0.000		0	N.D.		
99) p-Isopropyltoluene	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	11.969	146	110	N.D.		
101) 1,4-Dichlorobenzene	11.969	146	110	N.D.		
103) n-Butylbenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	14.143	128	119	0.402	ug/L	100

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

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A13.D
Acq On : 8 Oct 2024 11:45 am
Operator : VOA105:MAG
Sample : l2457097-07,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 21:28:02 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

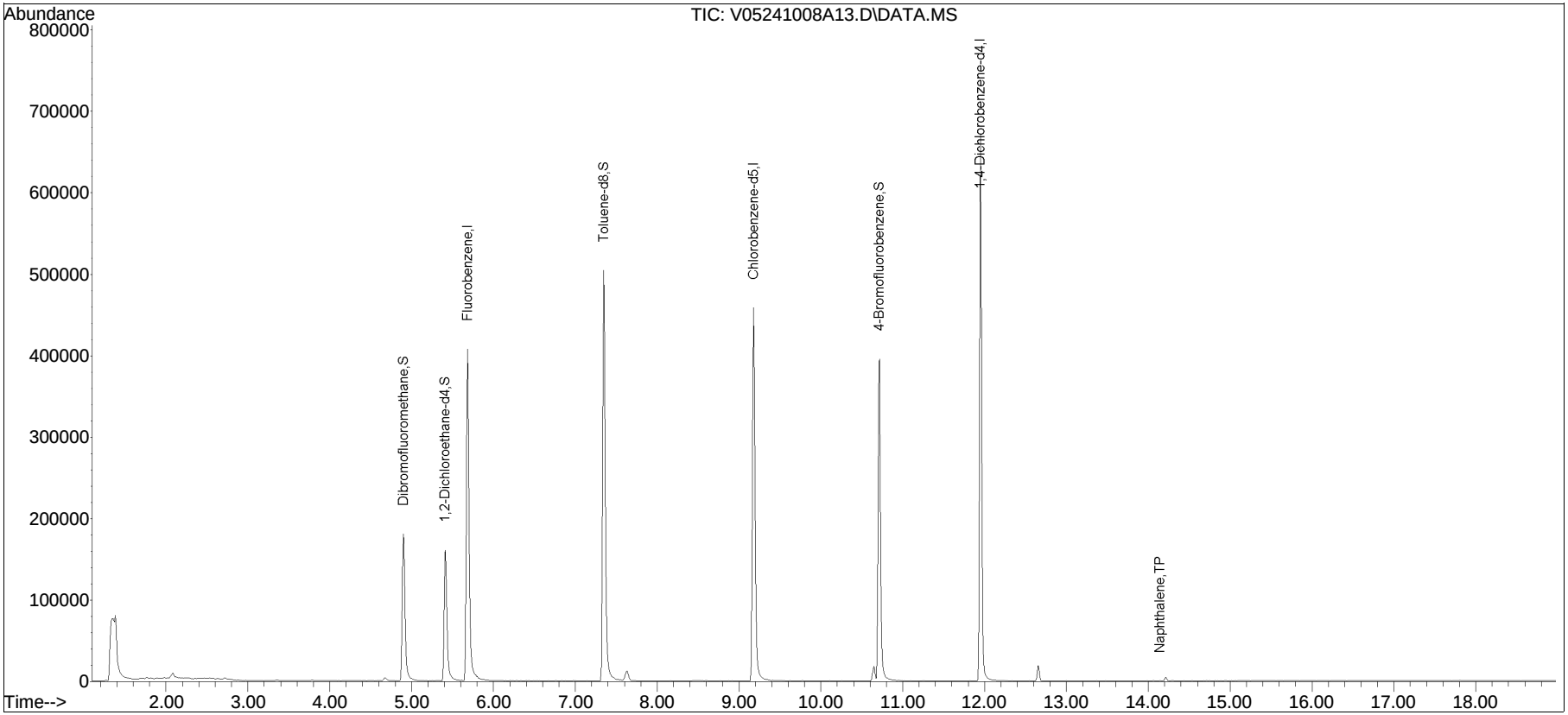
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

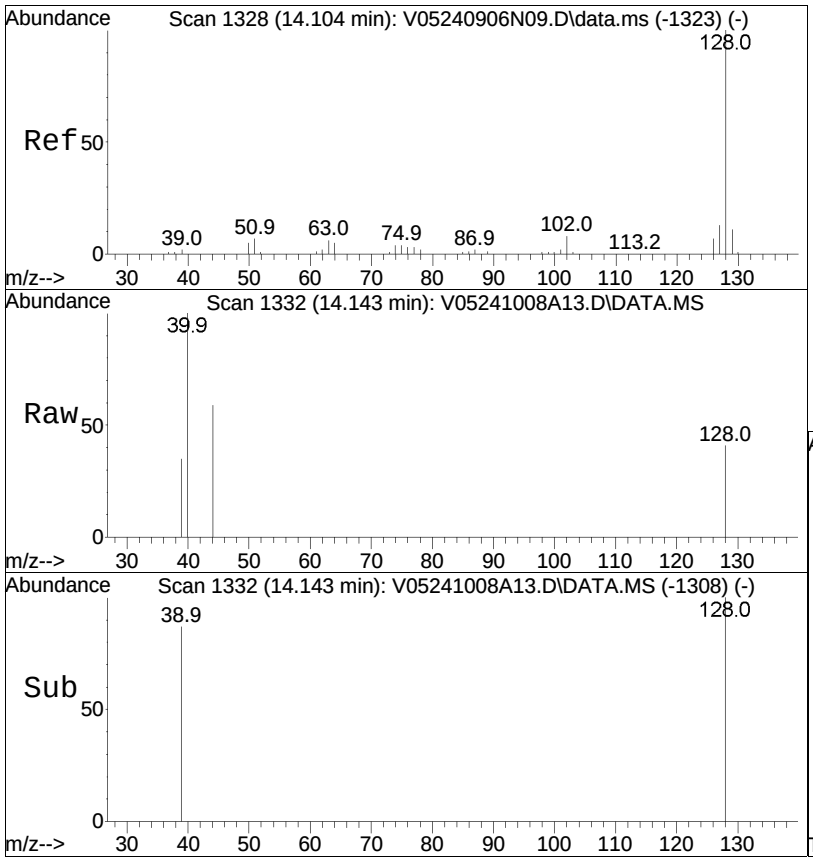
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A13.D
Acq On : 8 Oct 2024 11:45 am
Operator : VOA105:MAG
Sample : l2457097-07,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 08 21:28:02 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

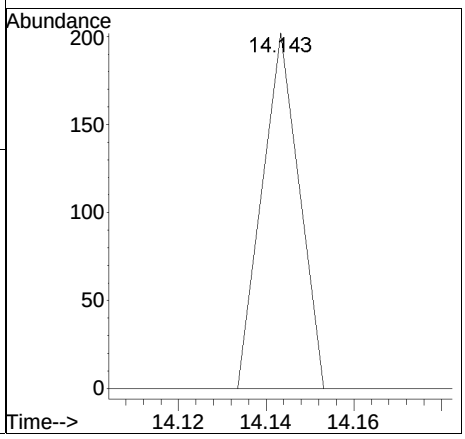
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1008A01.D•





#110
Naphthalene
Concen: 0.40 ug/L
RT: 14.143 min Scan# 1332
Delta R.T. 0.039 min
Lab File: V05241008A13.D
Acq: 8 Oct 2024 11:45 am

Tgt Ion:128 Resp: 119



Manual Integration Report

Data Path	: K:\VOA105\2024\241008A\	QMethod	: V105_240906N_8260.m
Data File	: V05241008A13.D	Operator	: VOA105:MAG
Date Inj'd	: 10/8/2024 11:45 am	Instrument	: VOA105
Sample	: l2457097-07,31,10,10,,a	Quant Date	: 10/8/2024 9:17 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A14.D
Acq On : 8 Oct 2024 12:10 pm
Operator : VOA105:MAG
Sample : l2457097-01,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 21:28:34 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	434554	10.000 ug/L	0.00
Standard Area 1 = 594385			Recovery =	73.11%	
59) Chlorobenzene-d5	9.177	117	340383	10.000 ug/L	0.00
Standard Area 1 = 454960			Recovery =	74.82%	
79) 1,4-Dichlorobenzene-d4	11.949	152	201049	10.000 ug/L	0.00
Standard Area 1 = 272073			Recovery =	73.90%	
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	129547	10.667 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.67%	
43) 1,2-Dichloroethane-d4	5.410	65	141683	11.285 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.85%	
60) Toluene-d8	7.347	98	410229	9.979 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.79%	
83) 4-Bromofluorobenzene	10.715	95	153457	11.001 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.01%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.498	85	93	N.D.	
3) Chloromethane	1.674	50	539	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	239	N.D.	
6) Chloroethane	2.124	64	178	Below Cal #	41
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.691	96	91	N.D.	
11) Carbon disulfide	2.740	76	212	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.483	43	315	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) Cyclohexane	4.726	56	859	N.D.	
32) Chloroform	4.735	83	793	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	
37) 1,1,1-Trichloroethane	0.000		0	N.D.	

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A14.D
Acq On : 8 Oct 2024 12:10 pm
Operator : VOA105:MAG
Sample : l2457097-01,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 21:28:34 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2-Butanone	0.000		0	N.D. d		
41) Benzene	5.322	78	100	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	5.880	95	228	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.177	91	639	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.705	91	630	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		
97) 1,2,4-Trimethylbenzene	11.655	105	90	N.D.		
98) sec-Butylbenzene	11.655	105	90	N.D.		
99) p-Isopropyltoluene	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
103) n-Butylbenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	14.133	128	223	0.406	ug/L	100

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

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A14.D
Acq On : 8 Oct 2024 12:10 pm
Operator : VOA105:MAG
Sample : l2457097-01,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 21:28:34 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

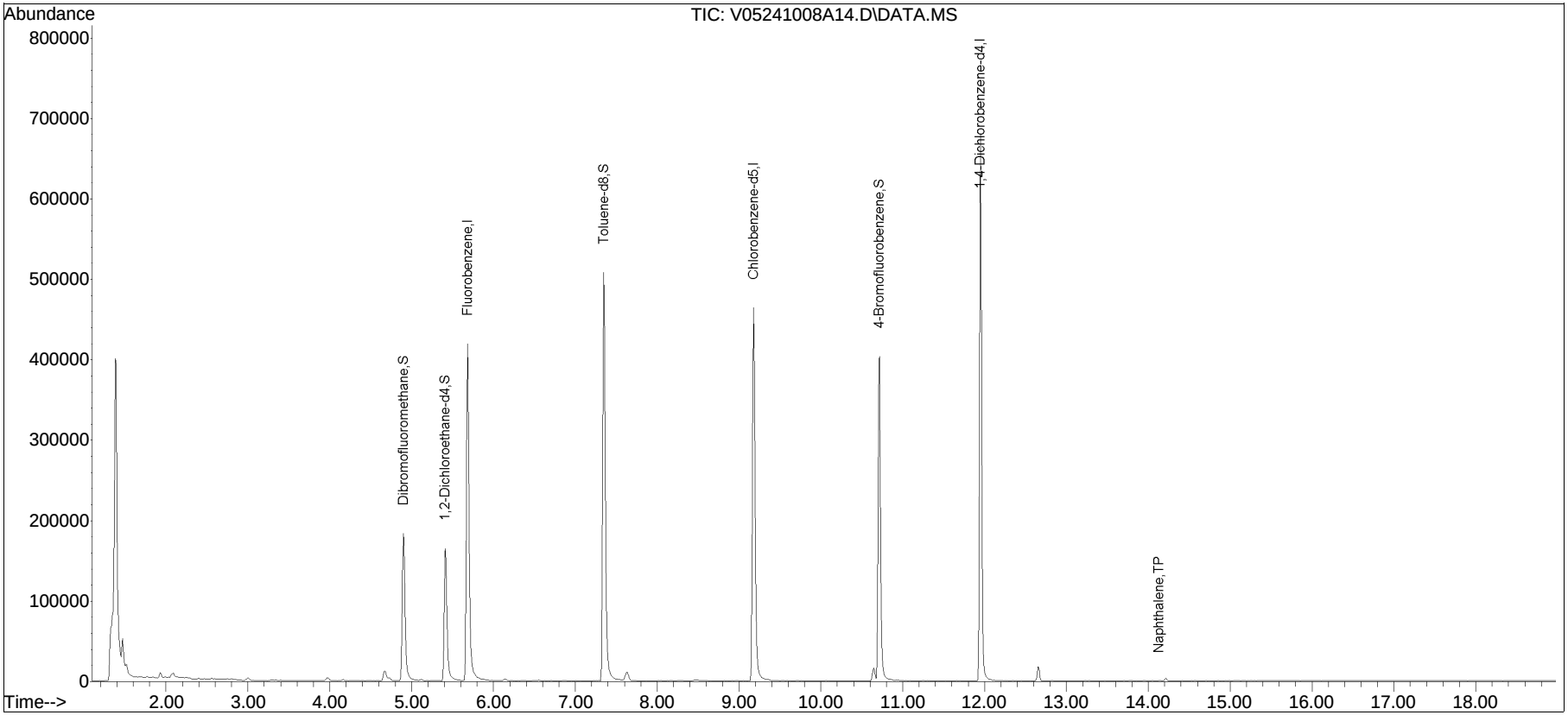
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

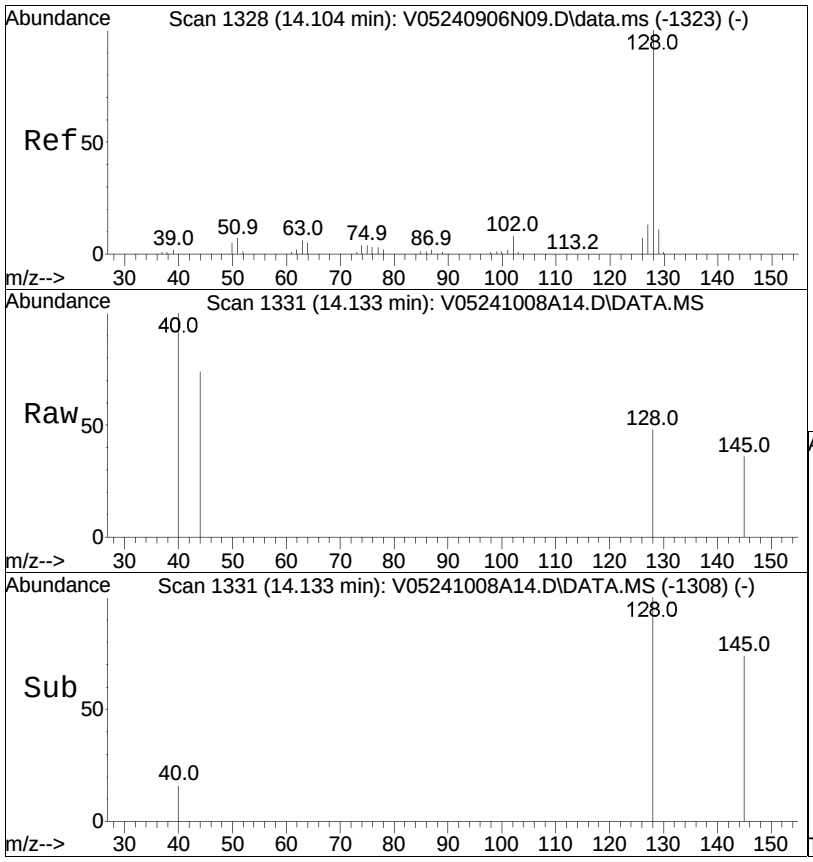
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A14.D
Acq On : 8 Oct 2024 12:10 pm
Operator : VOA105:MAG
Sample : l2457097-01,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 08 21:28:34 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

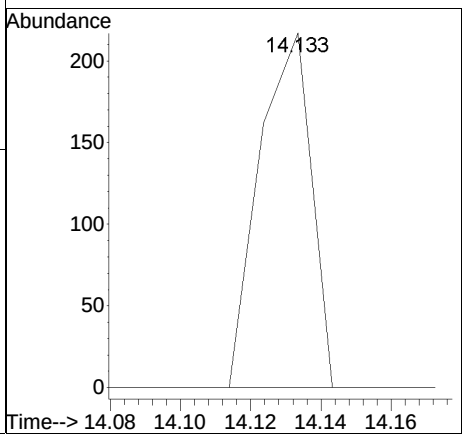
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1008A01.D•





#110
Naphthalene
Concen: 0.41 ug/L
RT: 14.133 min Scan# 1331
Delta R.T. 0.029 min
Lab File: V05241008A14.D
Acq: 8 Oct 2024 12:10 pm

Tgt Ion:128 Resp: 223



Manual Integration Report

Data Path	: K:\VOA105\2024\241008A\	QMethod	: V105_240906N_8260.m
Data File	: V05241008A14.D	Operator	: VOA105:MAG
Date Inj'd	: 10/8/2024 12:10 pm	Instrument	: VOA105
Sample	: l2457097-01,31,10,10,,a	Quant Date	: 10/8/2024 9:17 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A15.D
Acq On : 8 Oct 2024 12:36 pm
Operator : VOA105:MAG
Sample : l2457097-02,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 21:29:18 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	427285	10.000 ug/L	0.00
Standard Area 1 = 594385			Recovery = 71.89%		
59) Chlorobenzene-d5	9.177	117	329787	10.000 ug/L	0.00
Standard Area 1 = 454960			Recovery = 72.49%		
79) 1,4-Dichlorobenzene-d4	11.949	152	196768	10.000 ug/L	0.00
Standard Area 1 = 272073			Recovery = 72.32%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	125418	10.503 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.03%		
43) 1,2-Dichloroethane-d4	5.410	65	140395	11.372 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.72%		
60) Toluene-d8	7.347	98	402239	10.099 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.99%		
83) 4-Bromofluorobenzene	10.715	95	148822	10.900 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.00%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.684	50	391	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	238	N.D.	
6) Chloroethane	2.075	64	296	Below Cal # 41	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.740	76	107	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	4.736	83	209	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	
37) 1,1,1-Trichloroethane	0.000		0	N.D.	

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A15.D
Acq On : 8 Oct 2024 12:36 pm
Operator : VOA105:MAG
Sample : l2457097-02,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 21:29:18 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2-Butanone	0.000		0		N.D.	
41) Benzene	5.293	78	88		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	5.851	95	402		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	7.846	166	315		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.177	91	623		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
85) n-Propylbenzene	10.715	91	520		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	11.969	146	815		N.D.	
101) 1,4-Dichlorobenzene	11.969	146	815		N.D.	
103) n-Butylbenzene	12.135	91	817		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	0.000		0		N.D.	

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

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A15.D
Acq On : 8 Oct 2024 12:36 pm
Operator : VOA105:MAG
Sample : l2457097-02,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 21:29:18 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

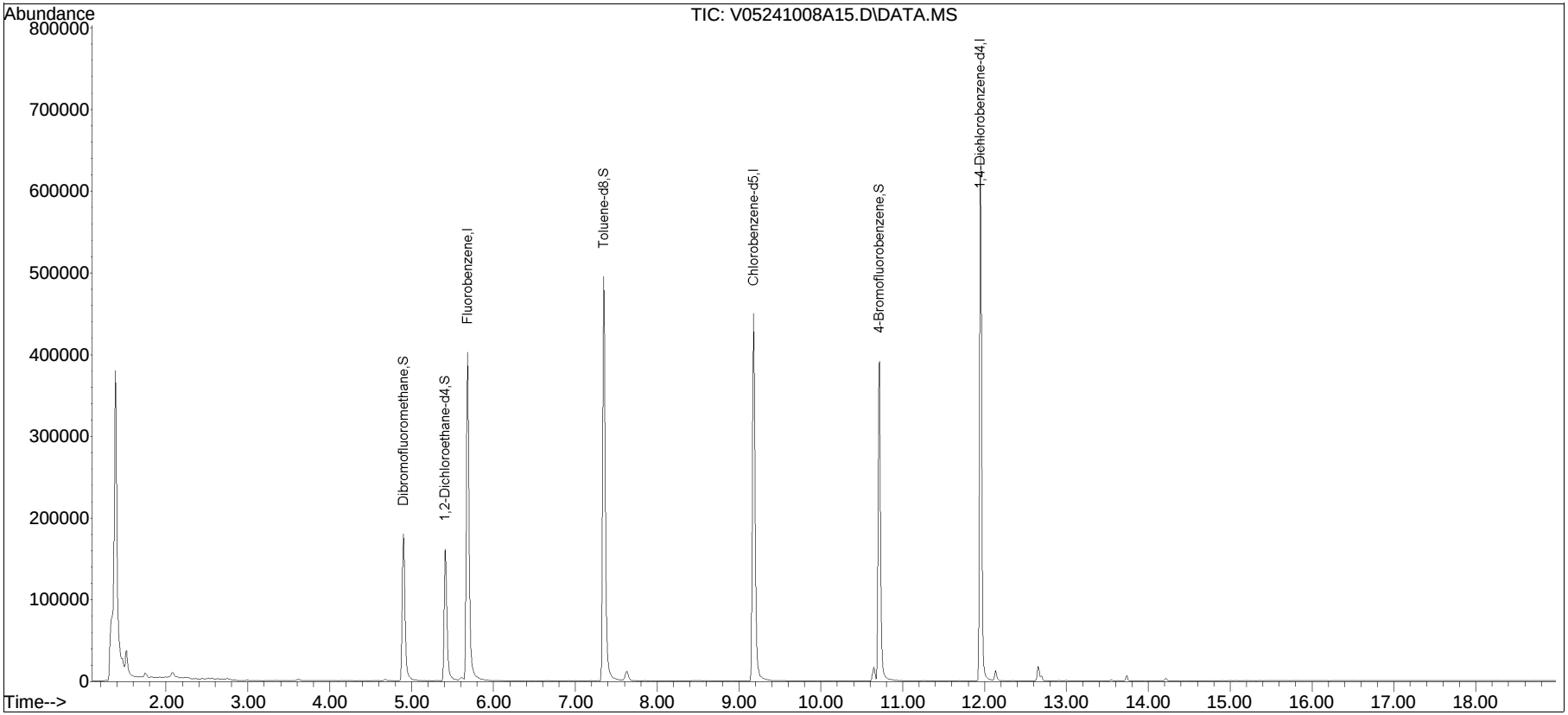
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A15.D
Acq On : 8 Oct 2024 12:36 pm
Operator : VOA105:MAG
Sample : l2457097-02,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 08 21:29:18 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1008A01.D•



Manual Integration Report

Data Path	: K:\VOA105\2024\241008A\	QMethod	: V105_240906N_8260.m
Data File	: V05241008A15.D	Operator	: VOA105:MAG
Date Inj'd	: 10/8/2024 12:36 pm	Instrument	: VOA105
Sample	: l2457097-02,31,10,10,,a	Quant Date	: 10/8/2024 9:17 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A16.D
Acq On : 8 Oct 2024 1:01 pm
Operator : VOA105:MAG
Sample : l2457097-03d,31,2.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 21:30:34 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	491029	10.000 ug/L	0.00
Standard Area 1 = 594385			Recovery = 82.61%		
59) Chlorobenzene-d5	9.177	117	365960	10.000 ug/L	0.00
Standard Area 1 = 454960			Recovery = 80.44%		
79) 1,4-Dichlorobenzene-d4	11.949	152	219314	10.000 ug/L	0.00
Standard Area 1 = 272073			Recovery = 80.61%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	129620	9.446 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.46%		
43) 1,2-Dichloroethane-d4	5.410	65	152188	10.727 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.27%		
60) Toluene-d8	7.347	98	455042	10.295 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.95%		
83) 4-Bromofluorobenzene	10.715	95	163601	10.751 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.51%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.342	85	704	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	857	0.146 ug/L	81
6) Chloroethane	2.134	64	2162	Below Cal #	60
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.740	76	2861	0.103 ug/L #	72
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D. d	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D. d	
28) cis-1,2-Dichloroethene	0.000		0	N.D. d	
31) Cyclohexane	4.638	56	301869	16.077 ug/L	80
32) Chloroform	0.000		0	N.D. d	
34) Carbon tetrachloride	0.000		0	N.D.	
37) 1,1,1-Trichloroethane	5.009	97	590	N.D.	

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A16.D
Acq On : 8 Oct 2024 1:01 pm
Operator : VOA105:MAG
Sample : l2457097-03d,31,2.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 21:30:34 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2-Butanone	0.000		0	N.D.	d		
41) Benzene	5.274	78	40208	0.972	ug/L	#	92
44) 1,2-Dichloroethane	5.479	62	190	N.D.			
47) Methyl cyclohexane	5.831	83	57821	3.048	ug/L	#	1
48) Trichloroethene	0.000		0	N.D.	d		
51) 1,2-Dichloropropane	0.000		0	N.D.	d		
54) Bromodichloromethane	6.418	83	297	N.D.			
58) cis-1,3-Dichloropropene	7.210	75	664	N.D.			
61) Toluene	7.406	92	70996	2.763	ug/L		99
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.	d		
68) 1,1,2-Trichloroethane	0.000		0	N.D.	d		
69) Chlorodibromomethane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	8.824	43	128	N.D.			
73) Chlorobenzene	9.196	112	96	N.D.			
74) Ethylbenzene	9.226	91	7281790	141.934	ug/L		94
76) p/m Xylene	9.422	106	31044	1.567	ug/L	#	1
77) o Xylene	9.970	106	15448	0.823	ug/L		82
78) Styrene	9.970	104	968	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.362	105	230102	4.536	ug/L		96
85) n-Propylbenzene	10.862	91	1395742	23.550	ug/L		94
87) 1,1,2,2-Tetrachloroethane	10.999	83	89	N.D.			
90) 1,3,5-Trimethylbenzene	11.107	105	3700	0.085	ug/L	#	85
94) tert-Butylbenzene	0.000		0	N.D.	d		
97) 1,2,4-Trimethylbenzene	11.528	105	3898267	93.395	ug/L		94
98) sec-Butylbenzene	11.636	105	35126M1	0.629	ug/L		
99) p-Isopropyltoluene	11.802	119	5713M6	0.119	ug/L		
100) 1,3-Dichlorobenzene	0.000		0	N.D.			
101) 1,4-Dichlorobenzene	0.000		0	N.D.			
103) n-Butylbenzene	12.243	91	41444	1.047	ug/L		98
104) 1,2-Dichlorobenzene	0.000		0	N.D.			
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
110) Naphthalene	14.104	128	618324	18.957	ug/L		100

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

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A16.D
Acq On : 8 Oct 2024 1:01 pm
Operator : VOA105:MAG
Sample : l2457097-03d,31,2.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 21:30:34 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

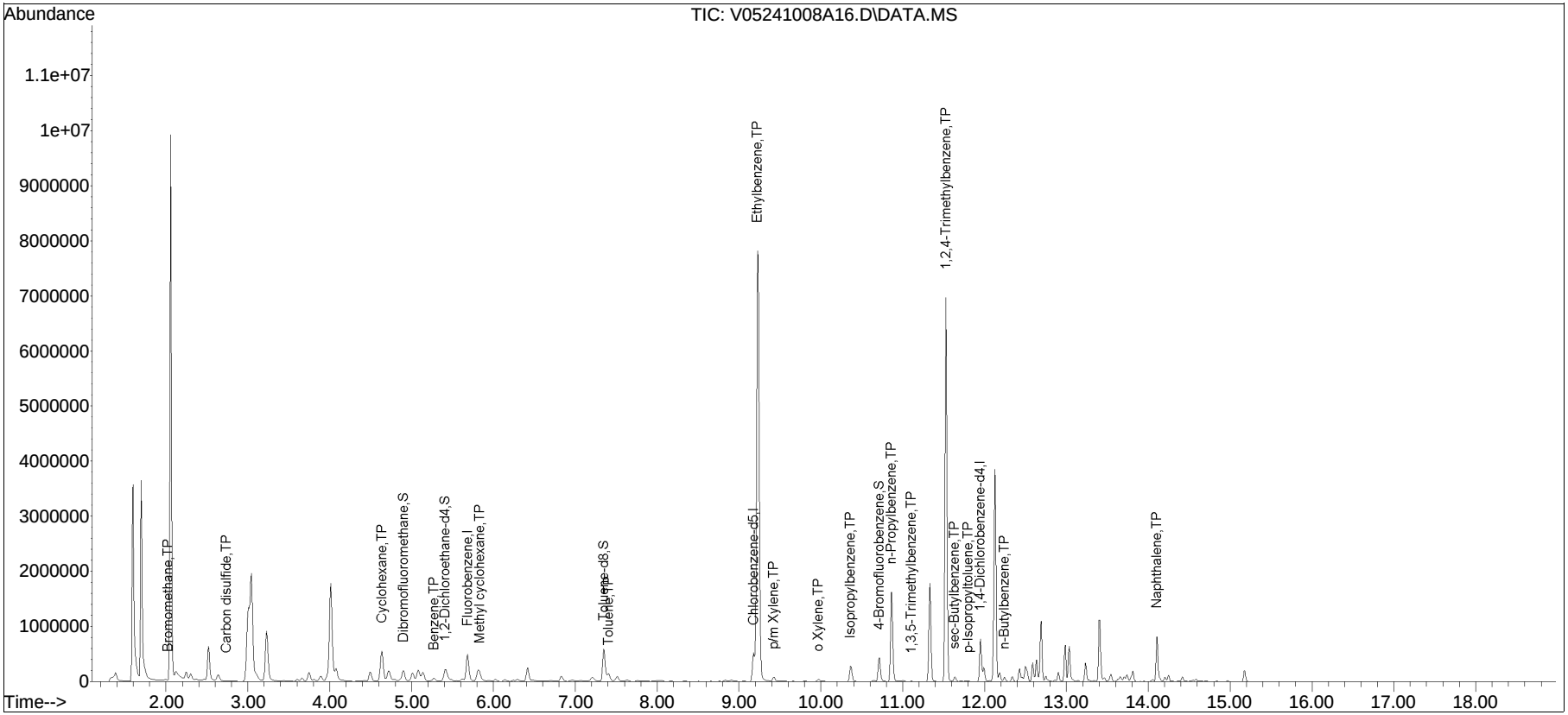
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

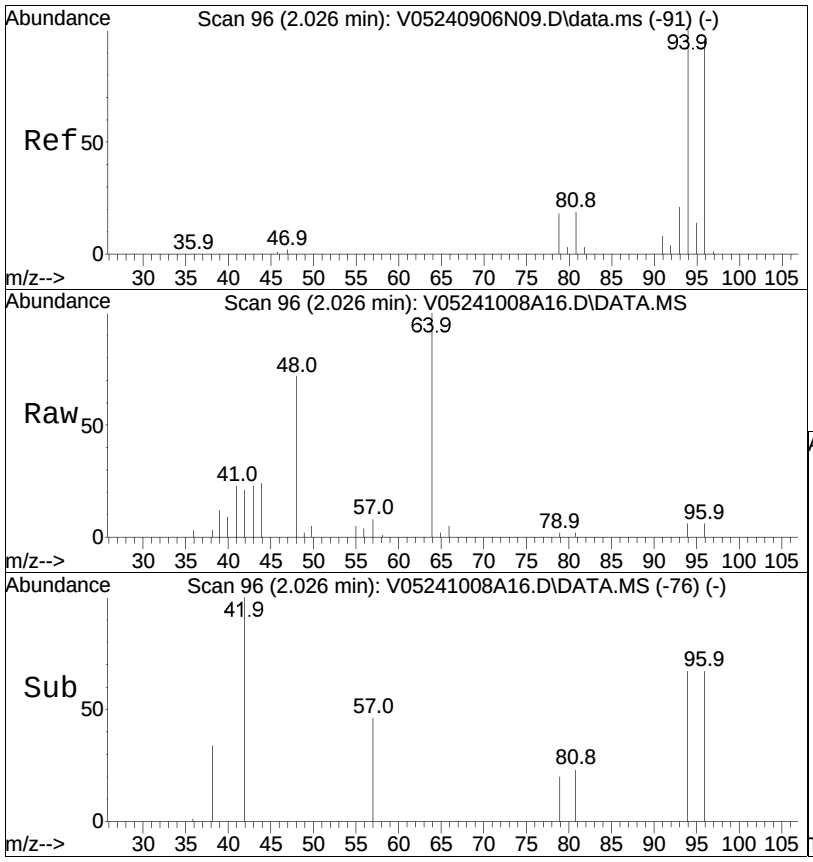
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A16.D
Acq On : 8 Oct 2024 1:01 pm
Operator : VOA105:MAG
Sample : l2457097-03d,31,2.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 21:30:34 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1008A01.D•

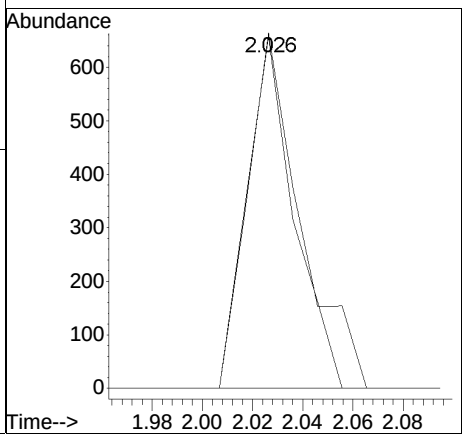


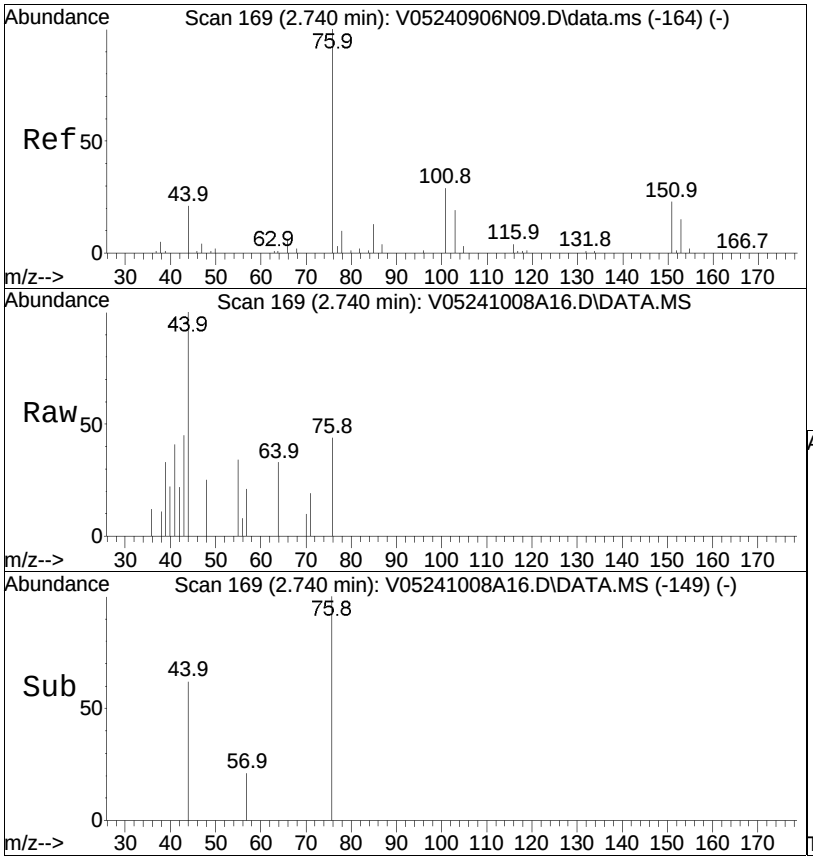


#5
Bromomethane
Concen: 0.15 ug/L
RT: 2.026 min Scan# 96
Delta R.T. 0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 94 Resp: 857

Ion	Ratio	Lower	Upper
94	100		
96	113.8	75.4	115.4

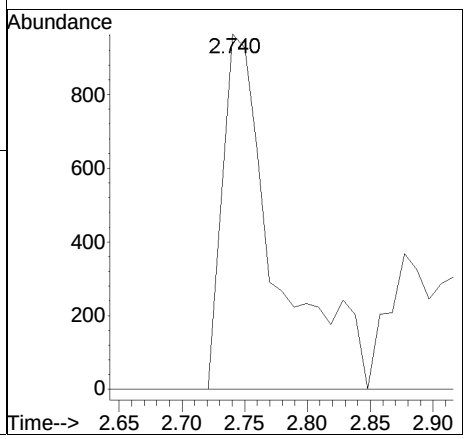


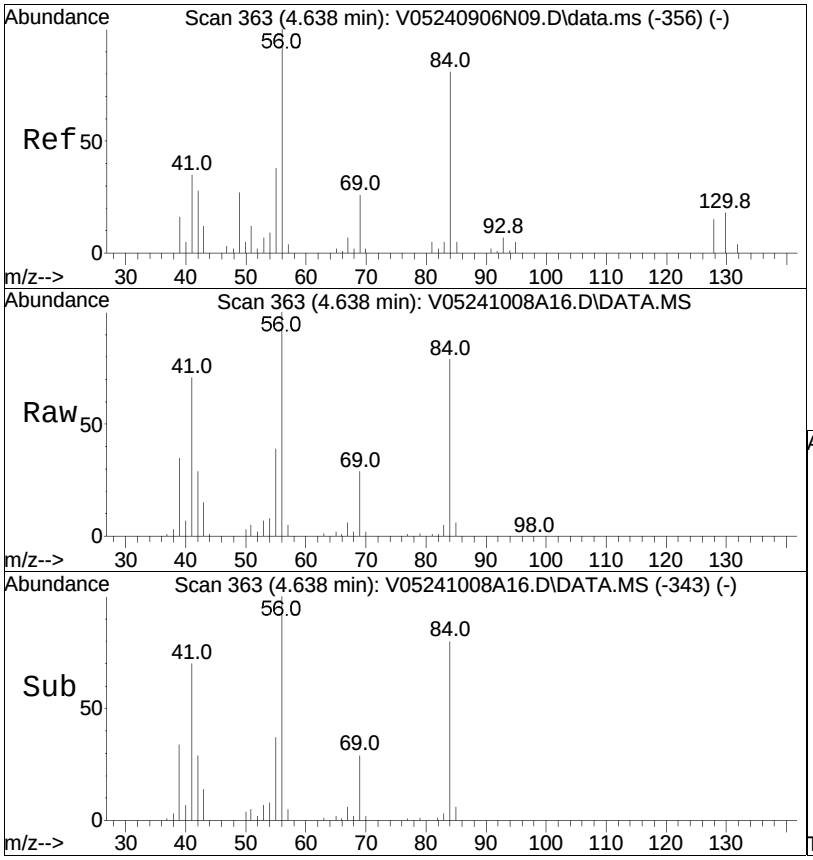


#11
Carbon disulfide
Concen: 0.10 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 76 Resp: 2861

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.7	13.9#

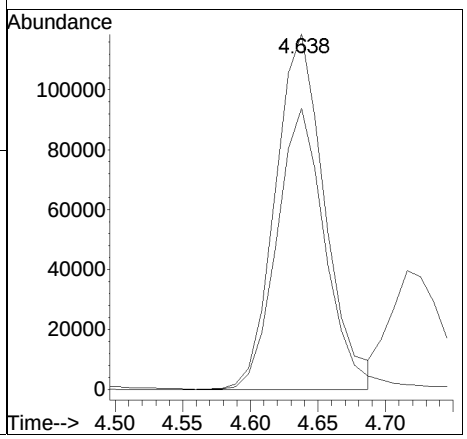


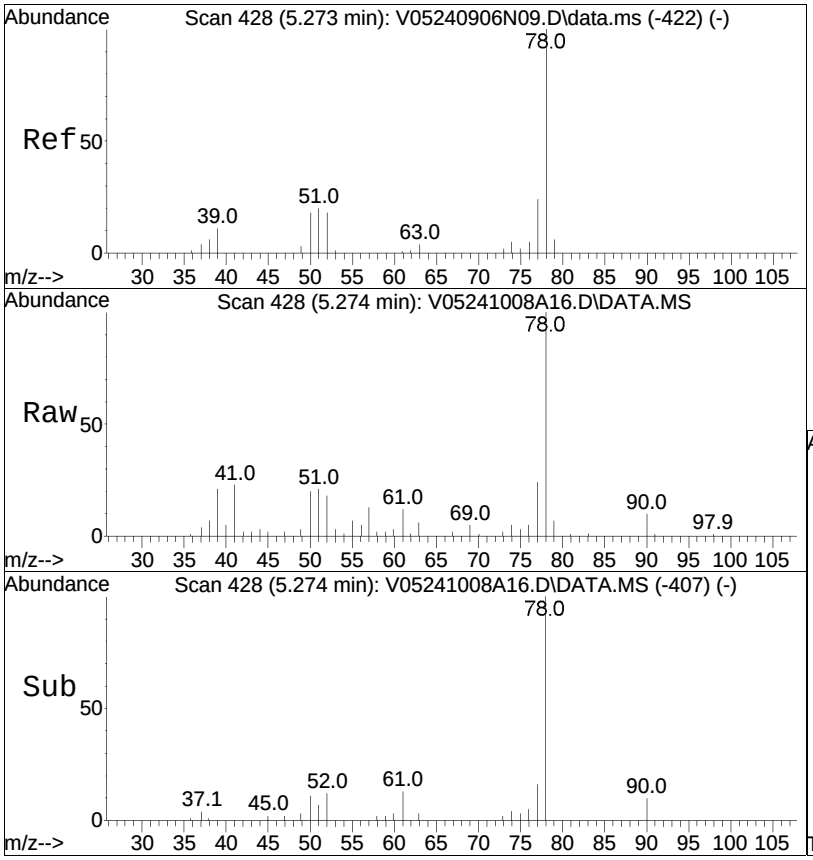


#31
Cyclohexane
Concen: 16.08 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 56 Resp: 301869

Ion	Ratio	Lower	Upper
56	100		
84	79.0	64.4	133.8

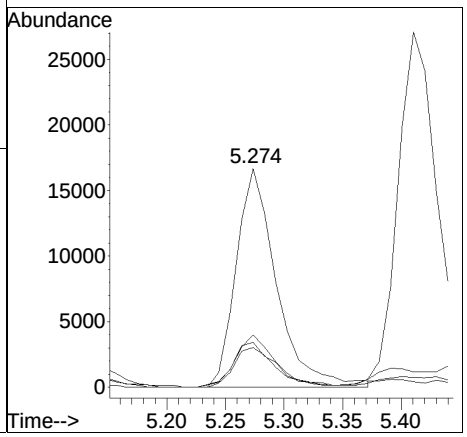


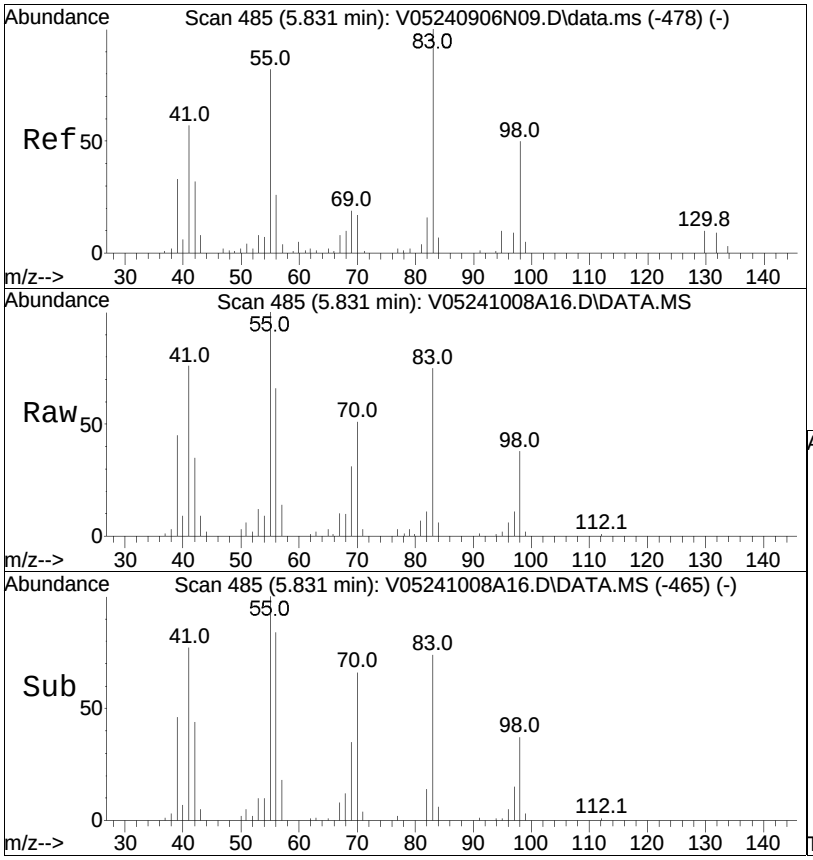


#41
Benzene
Concen: 0.97 ug/L
RT: 5.274 min Scan# 428
Delta R.T. 0.001 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 78 Resp: 40208

Ion	Ratio	Lower	Upper
78	100		
77	24.1	15.2	31.6
51	22.1	10.5	21.7#
52	19.3	9.5	19.7

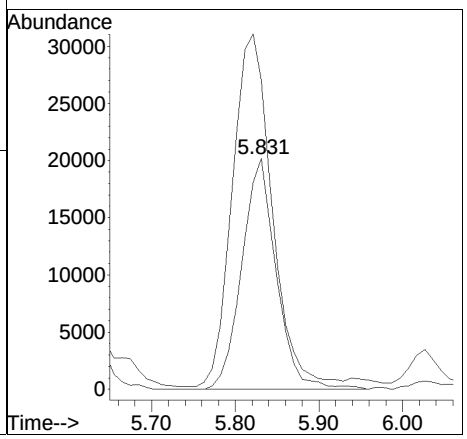


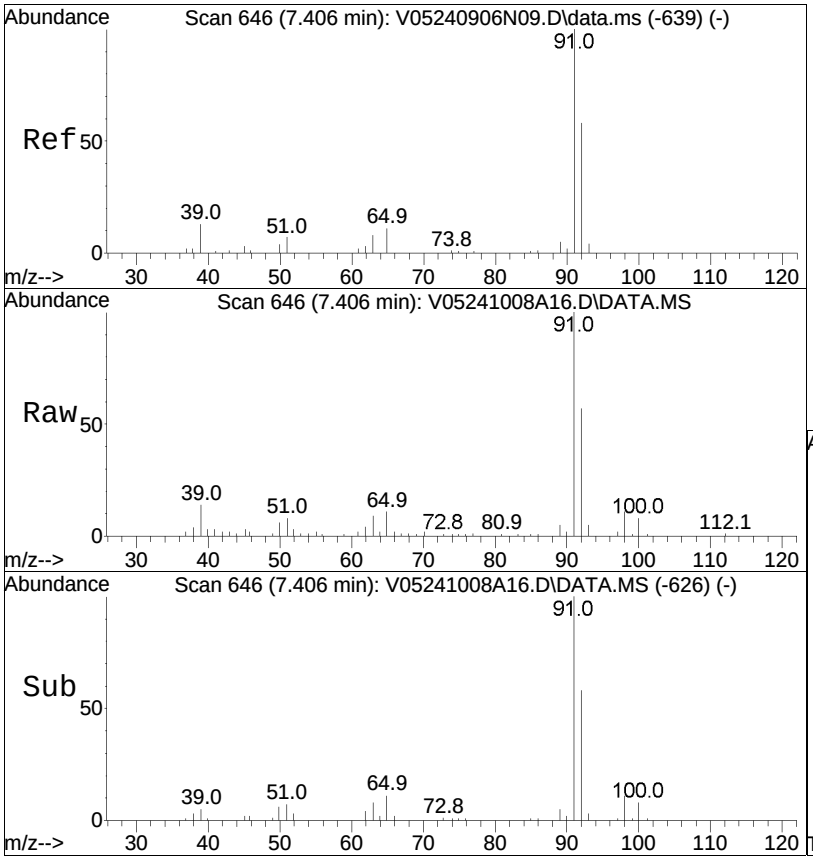


#47
Methyl cyclohexane
Concen: 3.05 ug/L
RT: 5.831 min Scan# 485
Delta R.T. 0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 83 Resp: 57821

Ion	Ratio	Lower	Upper
83	100		
55	174.8	57.3	85.9#

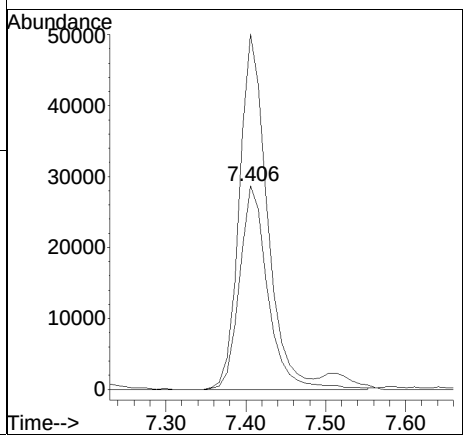


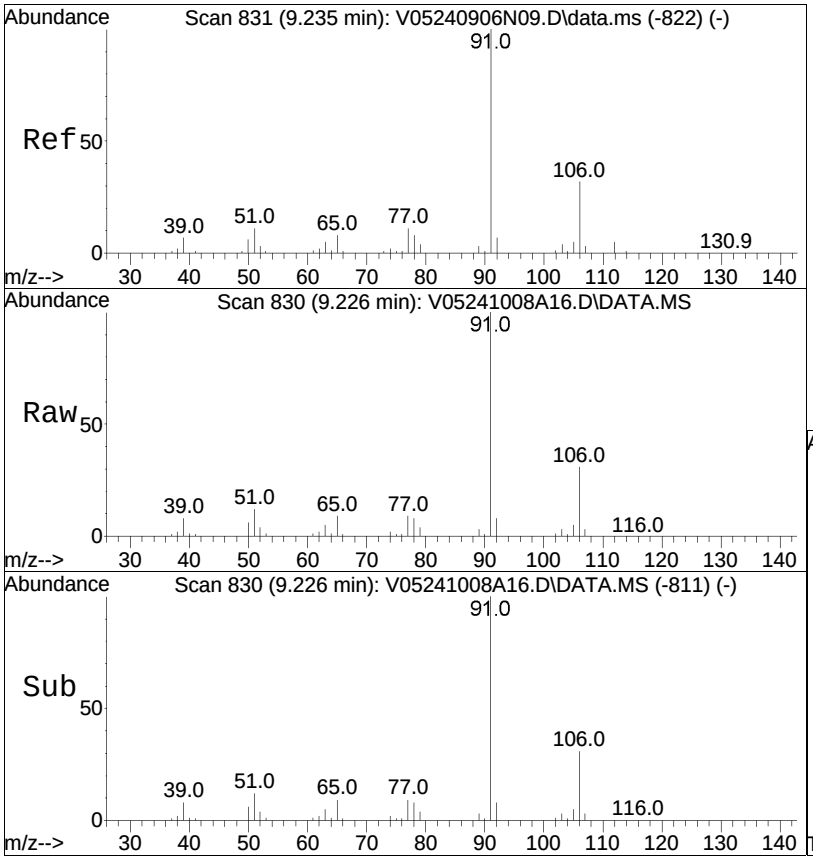


#61
Toluene
Concen: 2.76 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 92 Resp: 70996

Ion	Ratio	Lower	Upper
92	100		
91	170.3	135.2	202.8

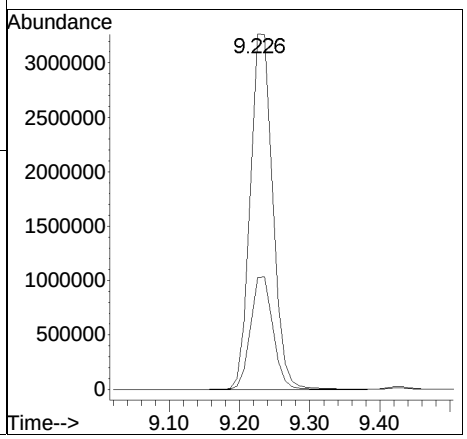


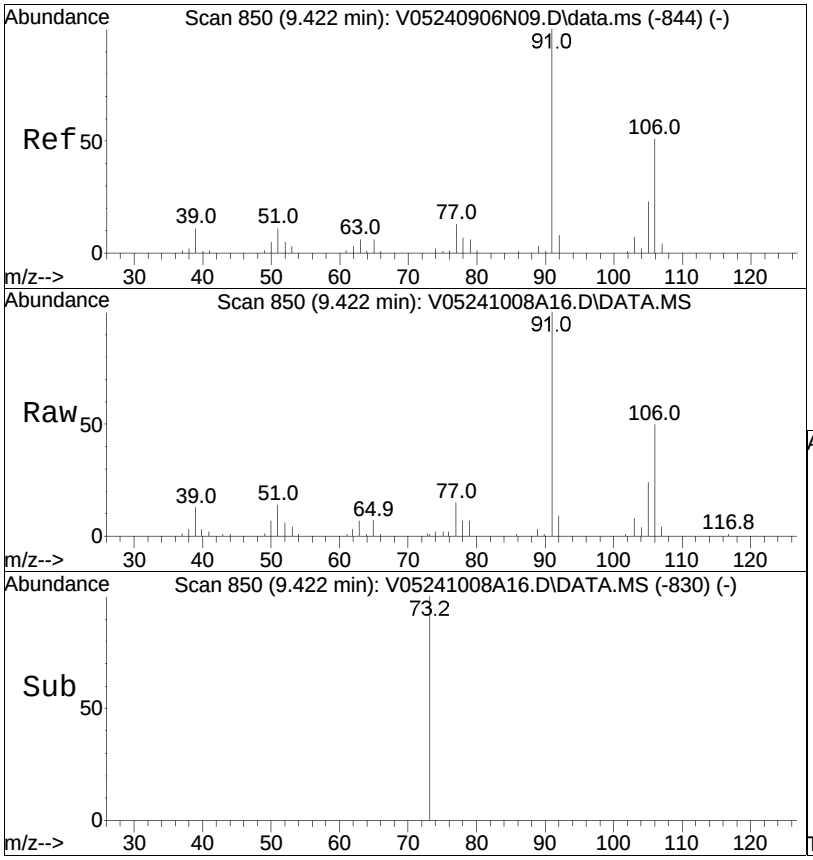


#74
Ethylbenzene
Concen: 141.93 ug/L
RT: 9.226 min Scan# 830
Delta R.T. -0.009 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 91 Resp: 7281790

Ion	Ratio	Lower	Upper
91	100		
106	31.6	22.9	34.3

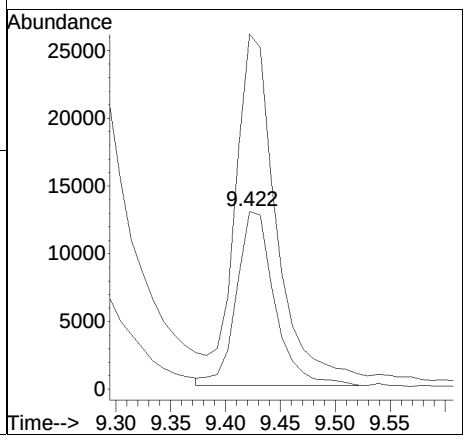


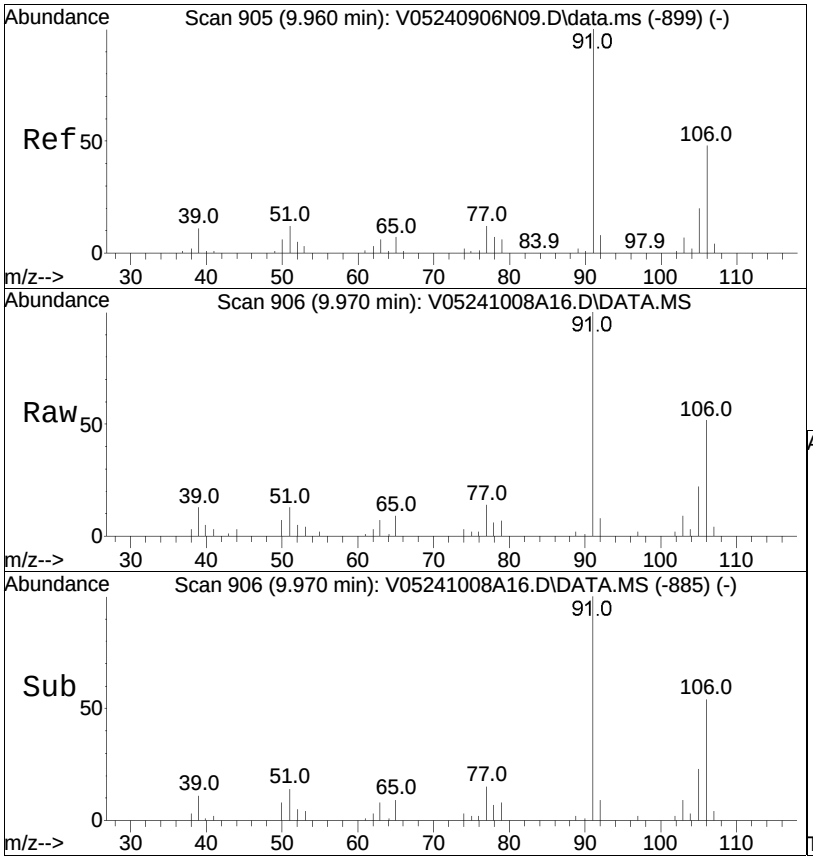


#76
p/m Xylene
Concen: 1.57 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion:106 Resp: 31044

Ion	Ratio	Lower	Upper
106	100		
91	0.0	177.2	265.8#

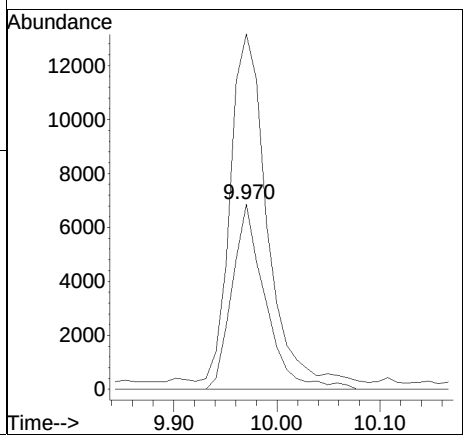


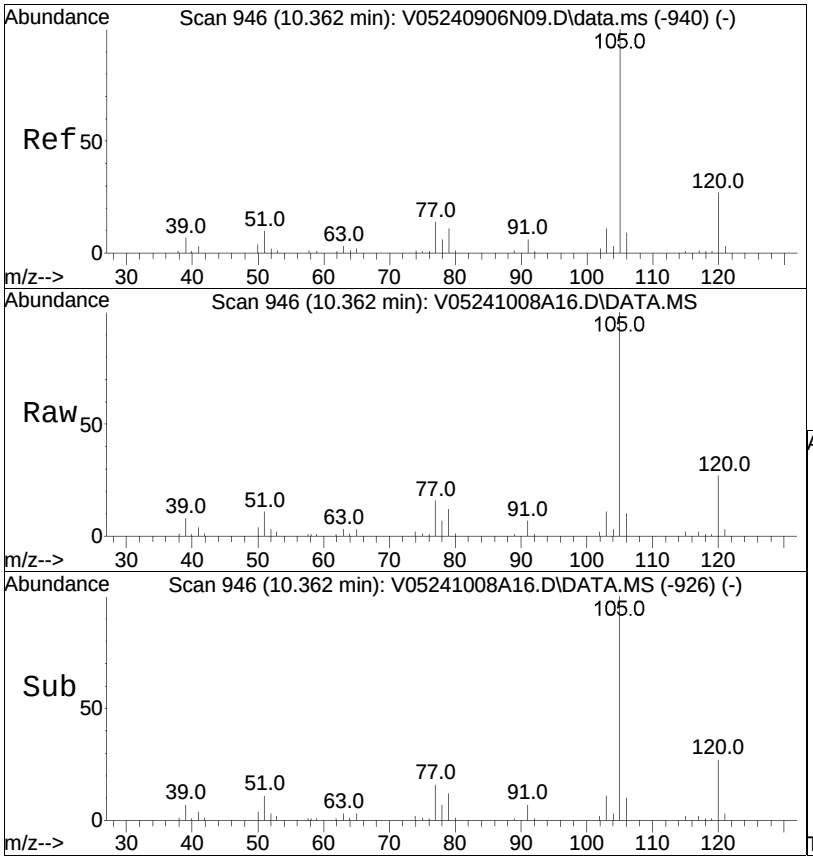


#77
o Xylene
Concen: 0.82 ug/L
RT: 9.970 min Scan# 906
Delta R.T. 0.010 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion:106 Resp: 15448

Ion	Ratio	Lower	Upper
106	100		
91	203.5	187.0	280.6

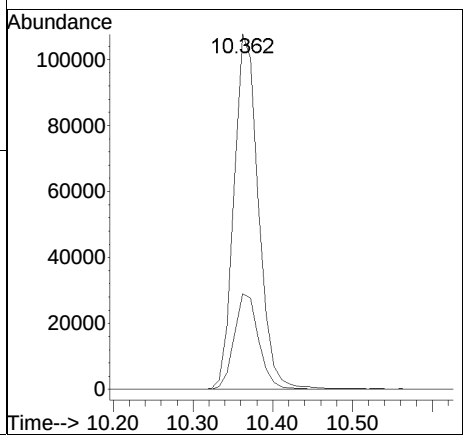


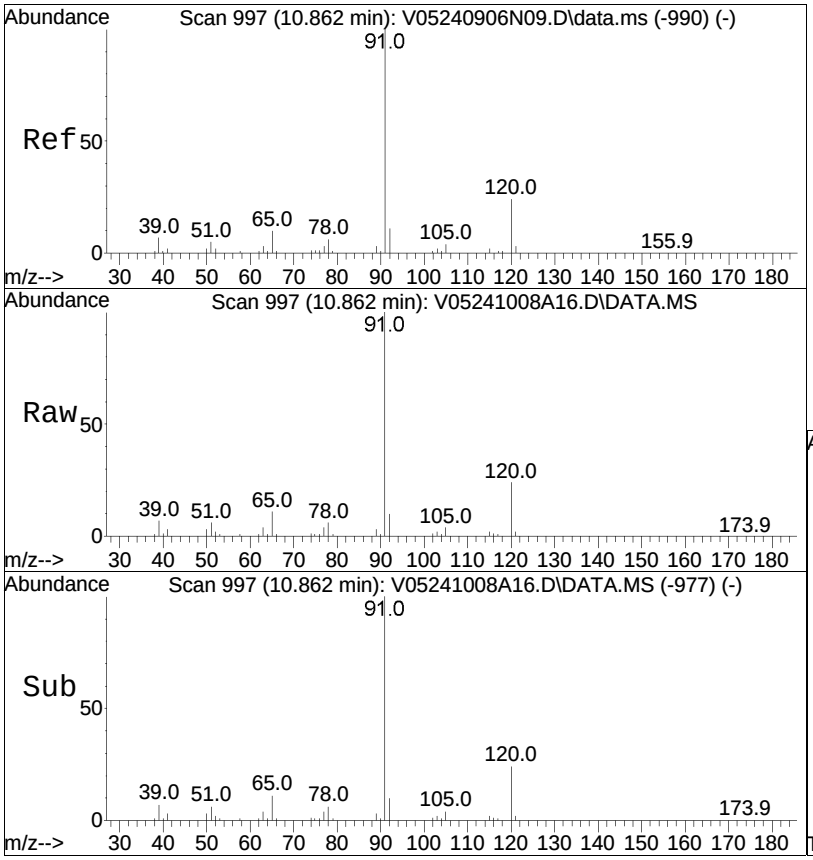


#82
Isopropylbenzene
Concen: 4.54 ug/L
RT: 10.362 min Scan# 946
Delta R.T. 0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion:105 Resp: 230102

Ion	Ratio	Lower	Upper
105	100		
120	26.9	4.8	44.8

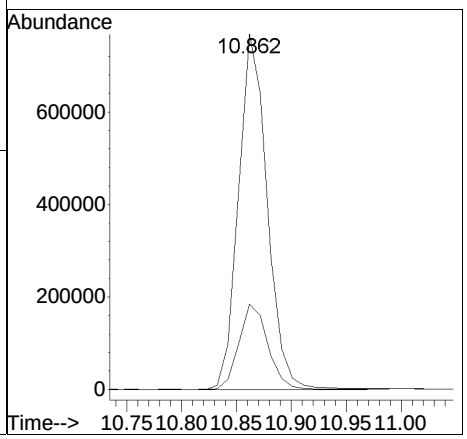


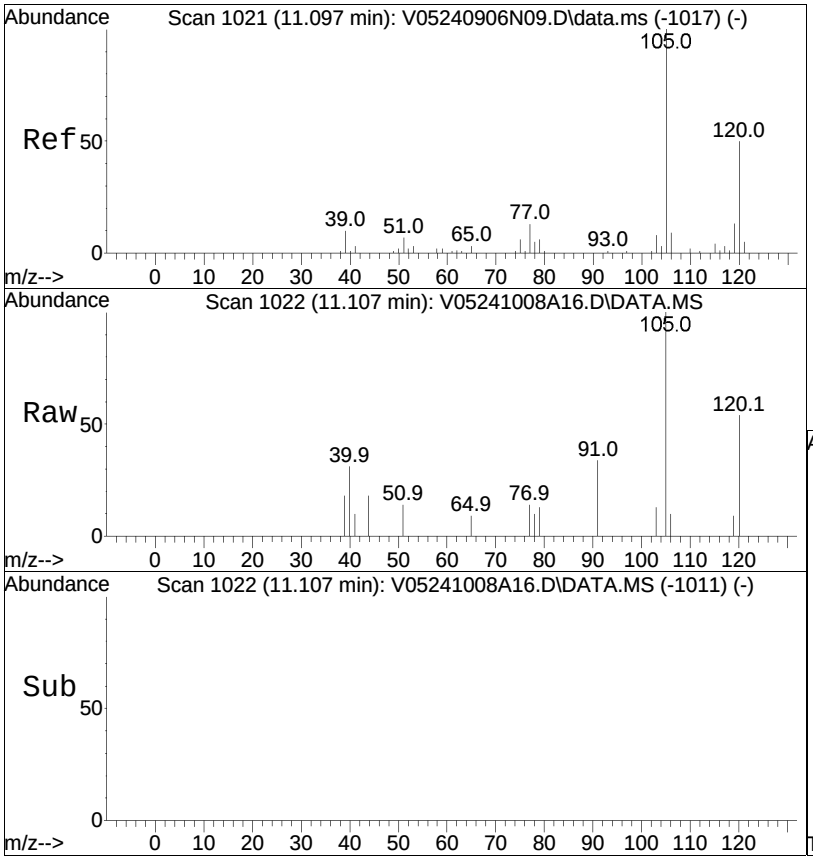


#85
n-Propylbenzene
Concen: 23.55 ug/L
RT: 10.862 min Scan# 997
Delta R.T. -0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 91 Resp: 1395742

Ion	Ratio	Lower	Upper
91	100		
120	24.2	17.3	25.9

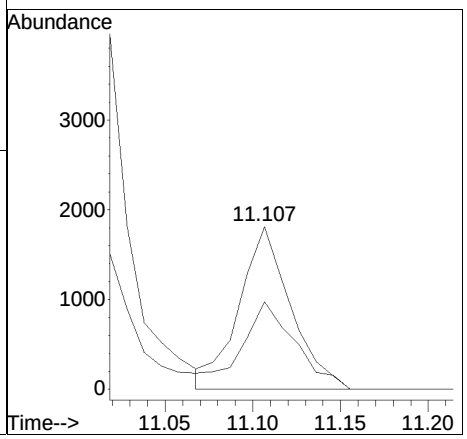


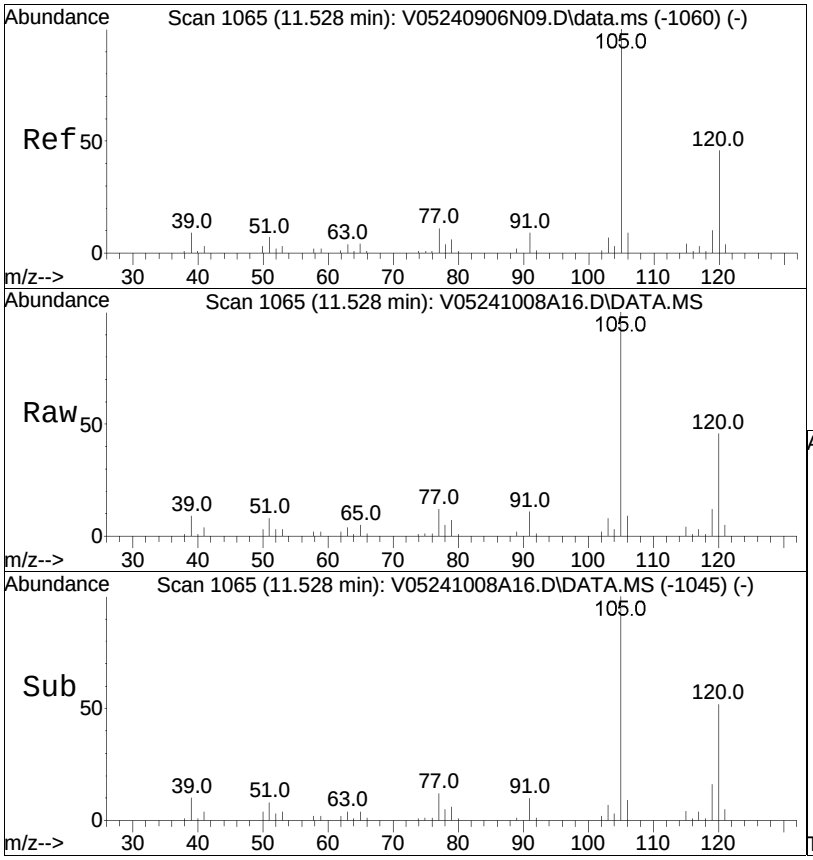


#90
1,3,5-Trimethylbenzene
Concen: 0.08 ug/L
RT: 11.107 min Scan# 1022
Delta R.T. 0.010 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion:105 Resp: 3700

Ion	Ratio	Lower	Upper
105	100		
120	56.2	37.0	55.6#

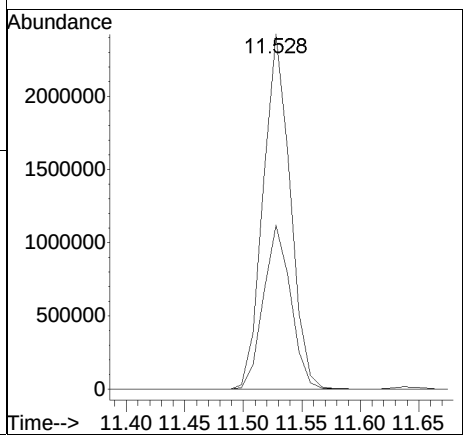


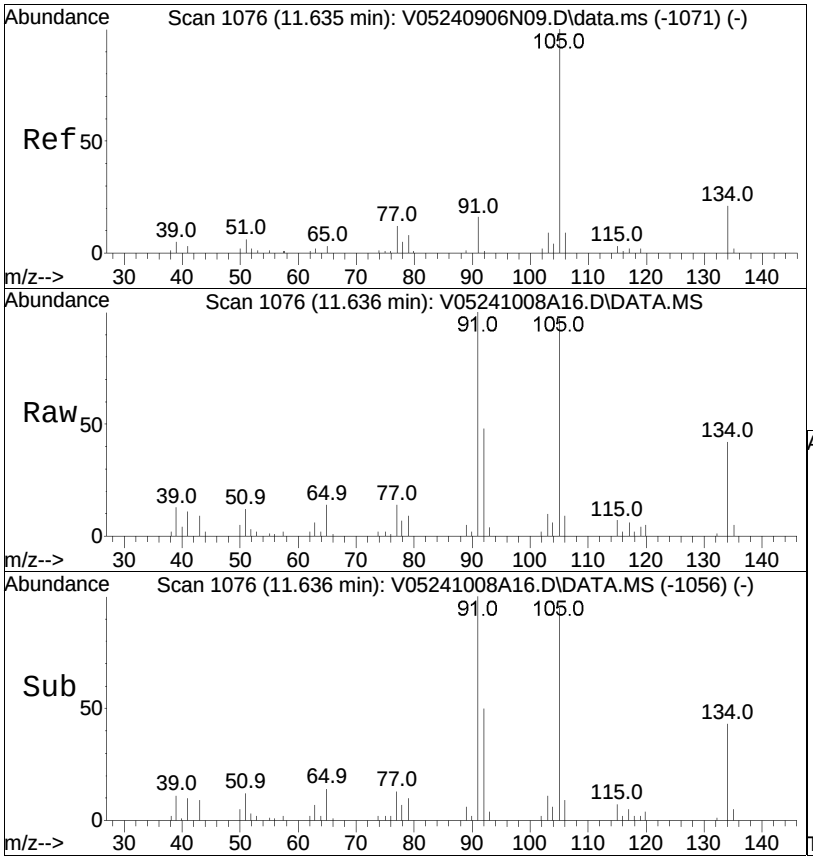


#97
1,2,4-Trimethylbenzene
Concen: 93.39 ug/L
RT: 11.528 min Scan# 1065
Delta R.T. -0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion:105 Resp: 3898267

Ion	Ratio	Lower	Upper
105	100		
120	46.8	34.4	51.6

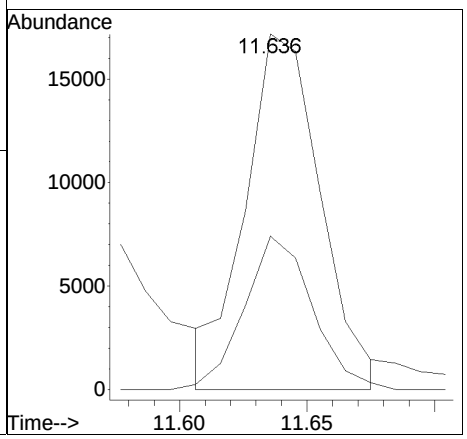


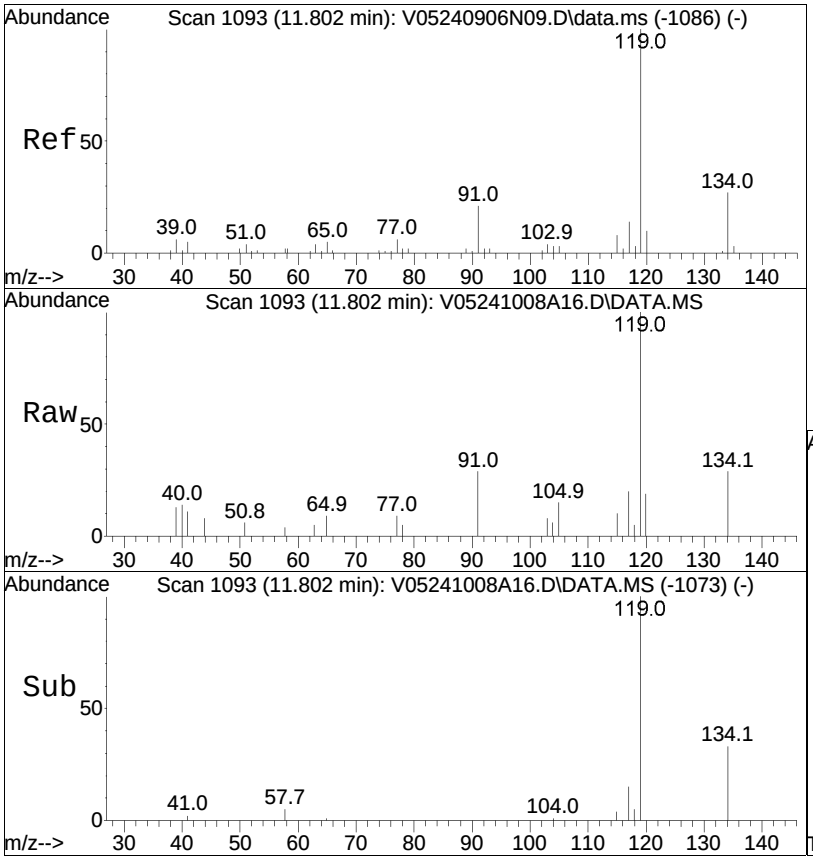


#98
sec-Butylbenzene
Concen: 0.63 ug/L M1
RT: 11.636 min Scan# 1076
Delta R.T. 0.001 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion:105 Resp: 35126

Ion	Ratio	Lower	Upper
105	100		
134	0.0	12.9	26.9#

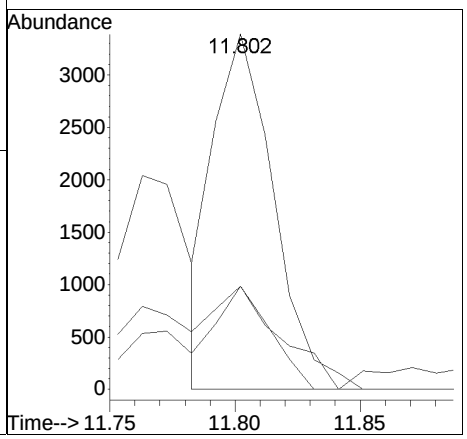


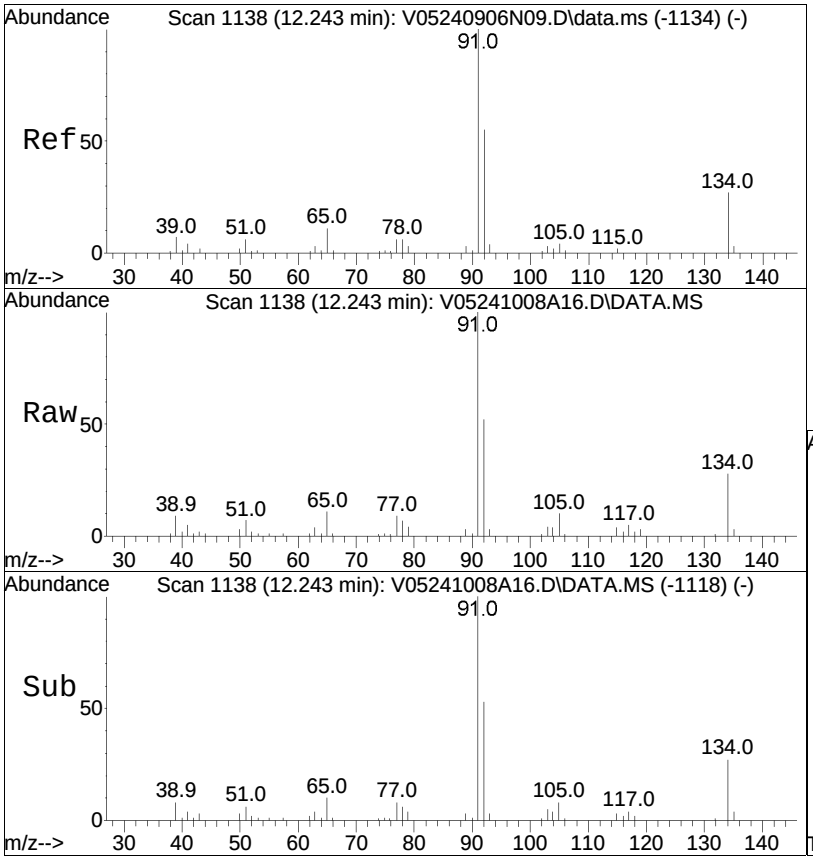


#99
p-Isopropyltoluene
Concen: 0.12 ug/L M6
RT: 11.802 min Scan# 1093
Delta R.T. 0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion:119 Resp: 5713

Ion	Ratio	Lower	Upper
119	100		
134	43.9	16.0	33.2#
91	32.2	16.8	35.0

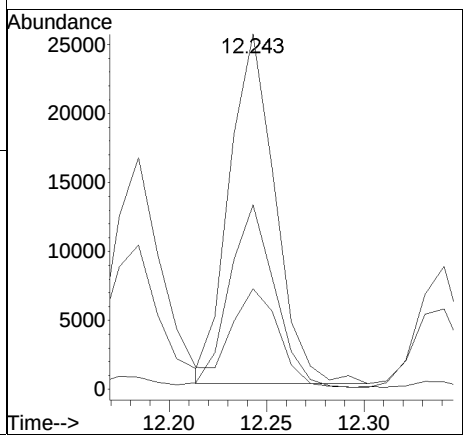


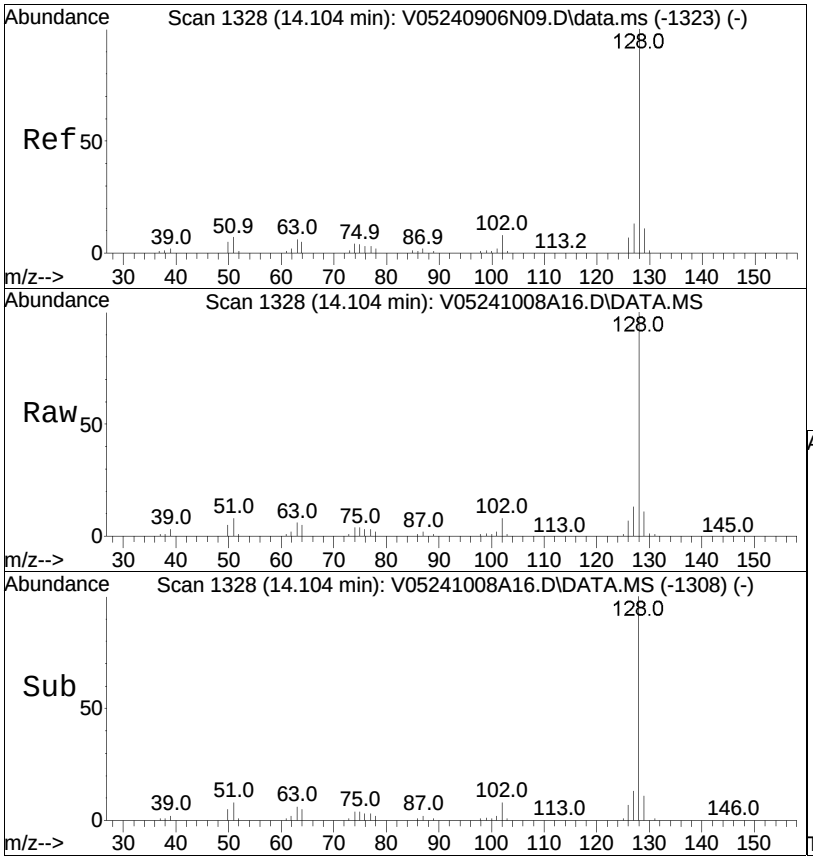


#103
n-Butylbenzene
Concen: 1.05 ug/L
RT: 12.243 min Scan# 1138
Delta R.T. -0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

Tgt Ion: 91 Resp: 41444

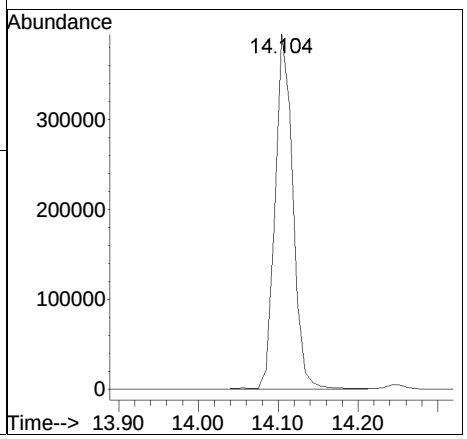
Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.2	66.2
134	27.6	20.2	30.2





#110
Naphthalene
Concen: 18.96 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05241008A16.D
Acq: 8 Oct 2024 1:01 pm

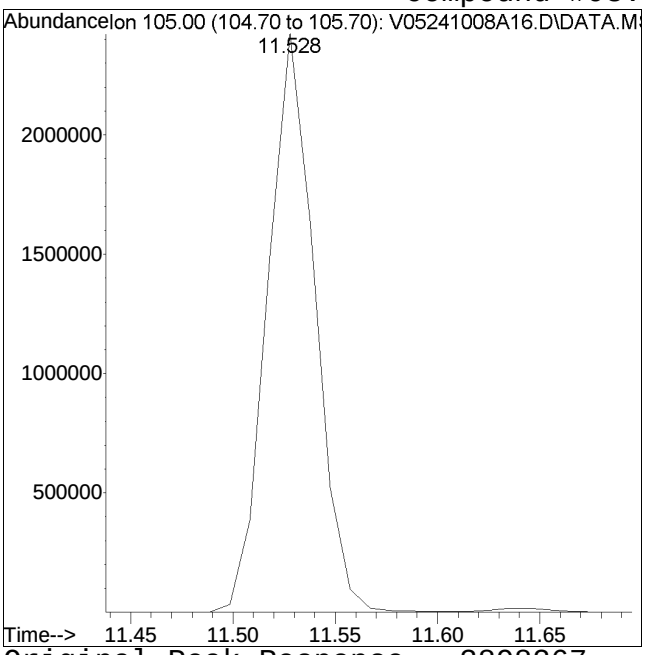
Tgt Ion:128 Resp: 618324



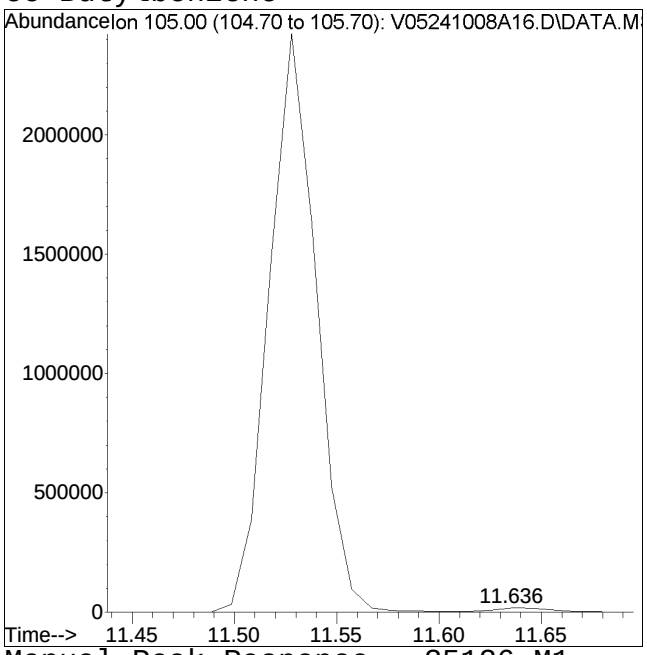
Manual Integration Report

Data Path : K:\VOA105\2024\241008A\ QMethod : V105_240906N_8260.m
Data File : V05241008A16.D Operator : VOA105:MAG
Date Inj'd : 10/8/2024 1:01 pm Instrument : VOA105
Sample : l2457097-03d,31,2.5,10,,a Quant Date : 10/8/2024 9:17 pm

Compound #98: sec-Butylbenzene



Original Peak Response = 3898267



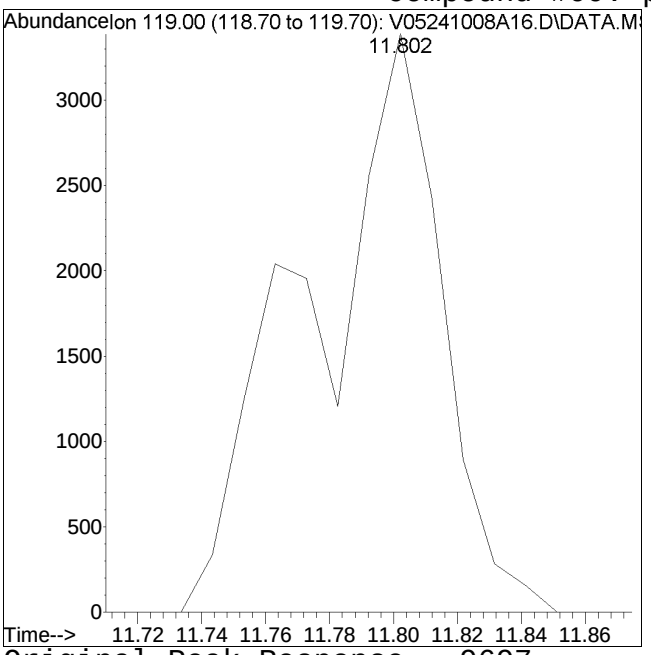
Manual Peak Response = 35126 M1

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

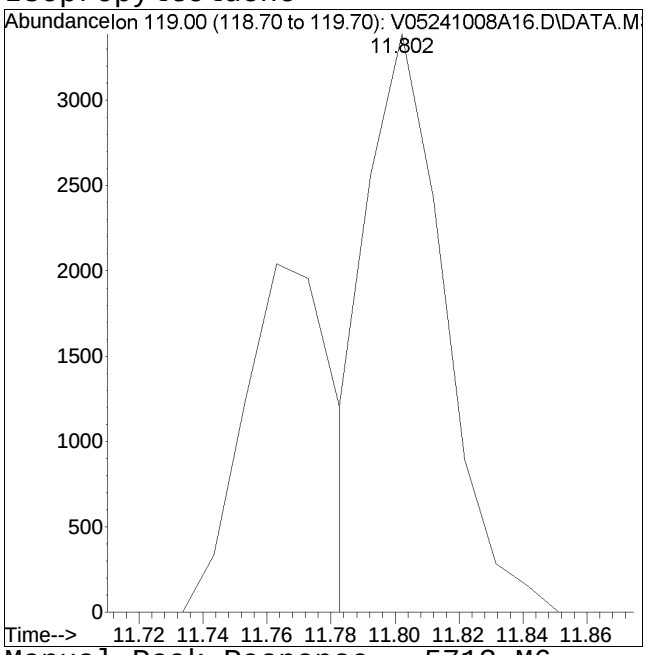
Manual Integration Report

Data Path : K:\VOA105\2024\241008A\ QMethod : V105_240906N_8260.m
Data File : V05241008A16.D Operator : VOA105:MAG
Date Inj'd : 10/8/2024 1:01 pm Instrument : VOA105
Sample : l2457097-03d,31,2.5,10,,a Quant Date : 10/8/2024 9:17 pm

Compound #99: p-Isopropyltoluene



Original Peak Response = 9697



Manual Peak Response = 5713 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A17.D
Acq On : 8 Oct 2024 1:26 pm
Operator : VOA105:MAG
Sample : l2457097-04d,31,2.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 21:31:44 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	488623	10.000	ug/L	0.00
Standard Area 1 = 594385			Recovery = 82.21%			
59) Chlorobenzene-d5	9.177	117	371499	10.000	ug/L	0.00
Standard Area 1 = 454960			Recovery = 81.66%			
79) 1,4-Dichlorobenzene-d4	11.949	152	227838	10.000	ug/L	0.00
Standard Area 1 = 272073			Recovery = 83.74%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	130940	9.589	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.89%			
43) 1,2-Dichloroethane-d4	5.410	65	150148	10.635	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.35%			
60) Toluene-d8	7.347	98	461846	10.294	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.94%			
83) 4-Bromofluorobenzene	10.715	95	164722	10.420	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.361	85	555	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.026	94	719	0.123	ug/L	92
6) Chloroethane	2.241	64	1032	Below Cal		85
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.740	76	1086	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.	d	
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.	d	
28) cis-1,2-Dichloroethene	4.491	96	533	N.D.		
31) Cyclohexane	4.638	56	249697	13.363	ug/L	78
32) Chloroform	4.736	83	962	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	5.009	97	859	N.D.		

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A17.D
Acq On : 8 Oct 2024 1:26 pm
Operator : VOA105:MAG
Sample : l2457097-04d,31,2.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 21:31:44 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2-Butanone	0.000		0	N.D.	d	
41) Benzene	5.274	78	6847	0.166	ug/L #	74
44) 1,2-Dichloroethane	5.381	62	469	N.D.		
47) Methyl cyclohexane	5.831	83	116843	6.189	ug/L #	49
48) Trichloroethene	0.000		0	N.D.	d	
51) 1,2-Dichloropropane	0.000		0	N.D.	d	
54) Bromodichloromethane	6.349	83	717	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.406	92	56446	2.164	ug/L	99
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.814	43	201	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.236	91	1734966	33.313	ug/L	94
76) p/m Xylene	9.422	106	1063847	52.897	ug/L	86
77) o Xylene	9.970	106	70582	3.705	ug/L	86
78) Styrene	10.088	104	208	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.372	105	18545	0.352	ug/L	99
85) n-Propylbenzene	10.872	91	77924	1.266	ug/L	95
87) 1,1,2,2-Tetrachloroethane	10.852	83	142	N.D.		
90) 1,3,5-Trimethylbenzene	11.107	105	23570	0.521	ug/L	100
94) tert-Butylbenzene	0.000		0	N.D.	d	
97) 1,2,4-Trimethylbenzene	11.528	105	5135365	118.430	ug/L	94
98) sec-Butylbenzene	0.000		0	N.D.	d	
99) p-Isopropyltoluene	11.802	119	12169M3	0.243	ug/L	
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
103) n-Butylbenzene	12.243	91	8778	0.213	ug/L #	82
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	14.104	128	1003471	29.391	ug/L	100

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

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A17.D
Acq On : 8 Oct 2024 1:26 pm
Operator : VOA105:MAG
Sample : l2457097-04d,31,2.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 21:31:44 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

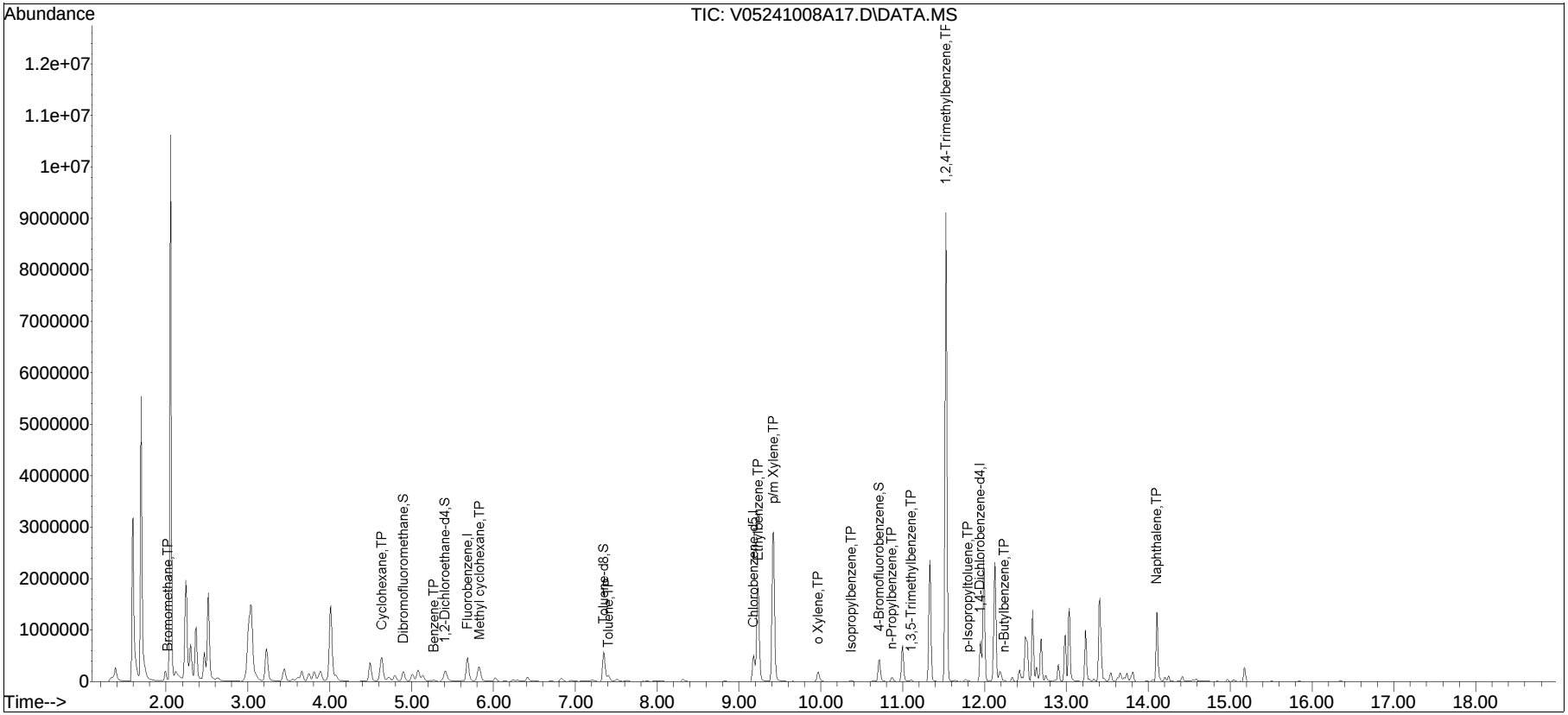
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

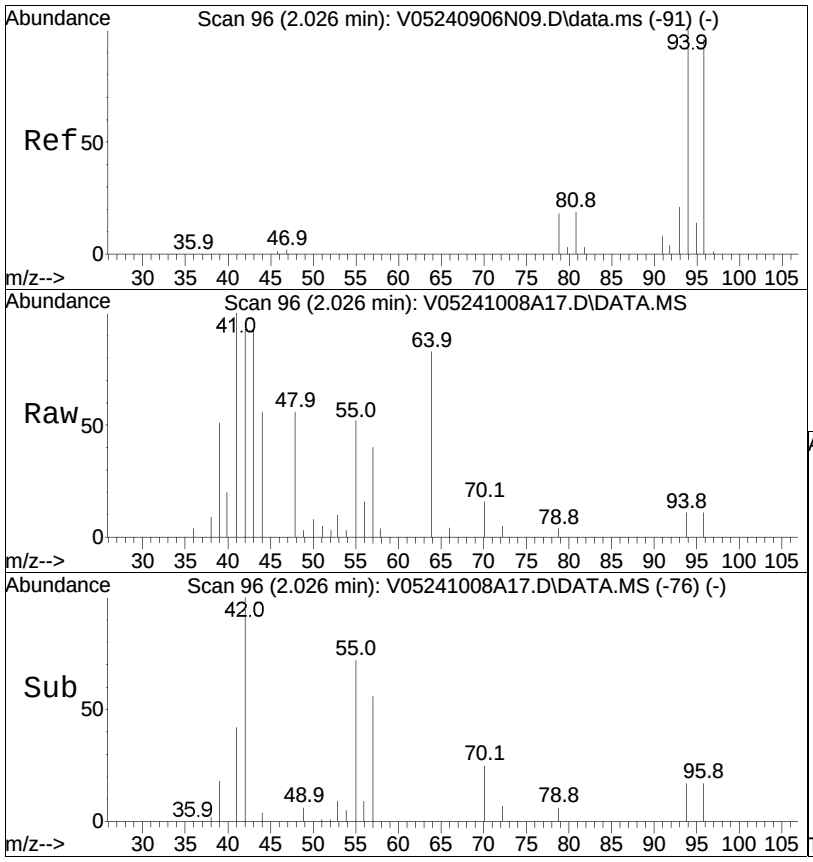
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A17.D
Acq On : 8 Oct 2024 1:26 pm
Operator : VOA105:MAG
Sample : l2457097-04d,31,2.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 08 21:31:44 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1008A01.D•

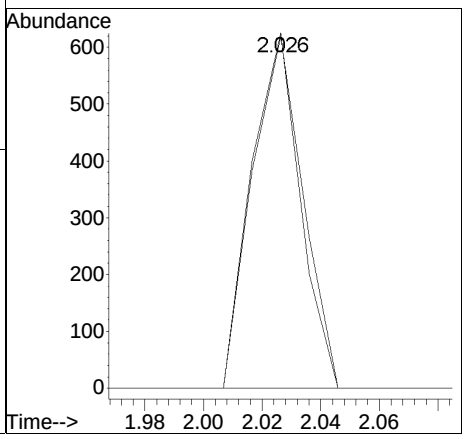


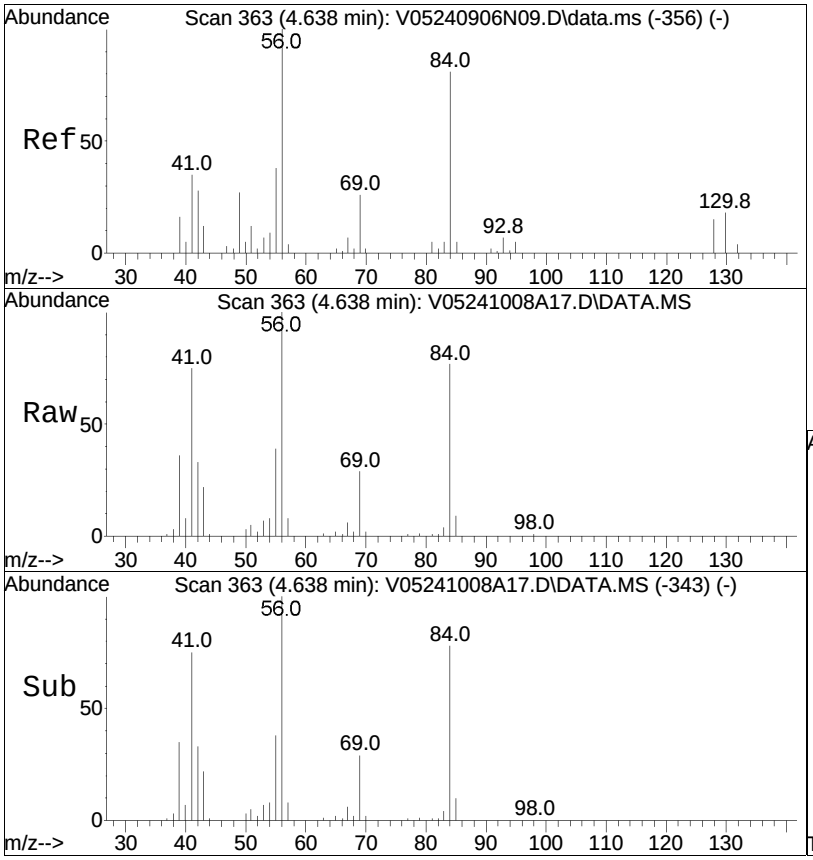


#5
Bromomethane
Concen: 0.12 ug/L
RT: 2.026 min Scan# 96
Delta R.T. 0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion: 94 Resp: 719

Ion	Ratio	Lower	Upper
94	100		
96	103.3	75.4	115.4

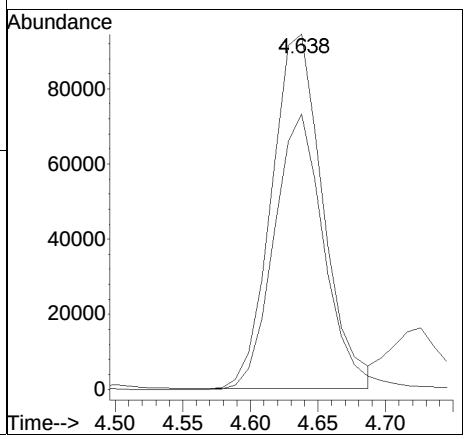


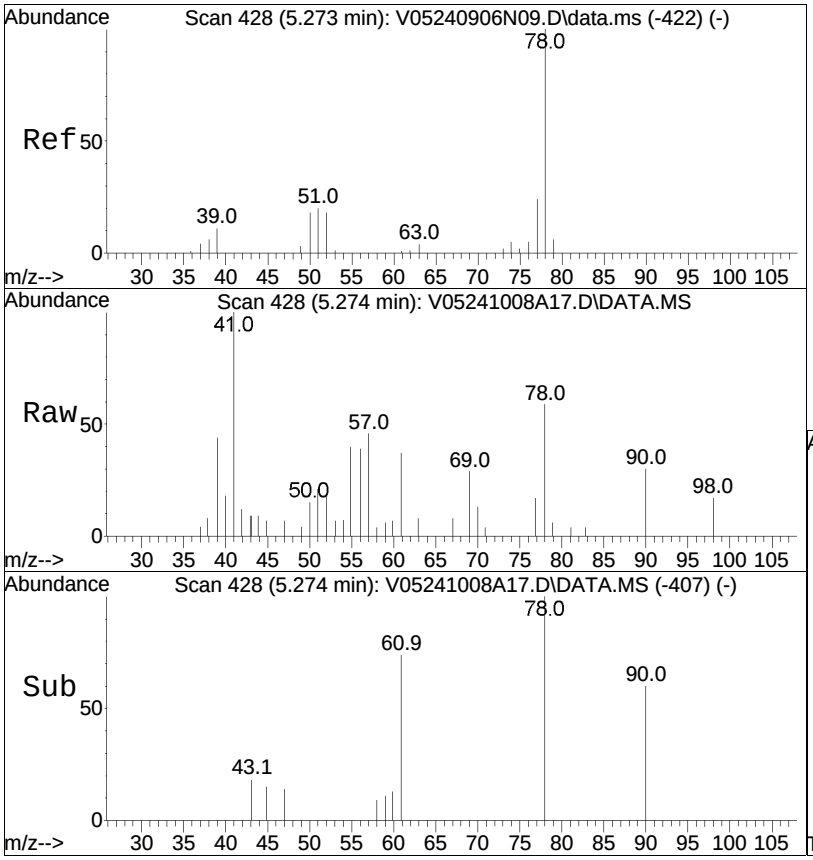


#31
Cyclohexane
Concen: 13.36 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion: 56 Resp: 249697

Ion	Ratio	Lower	Upper
56	100		
84	77.1	64.4	133.8

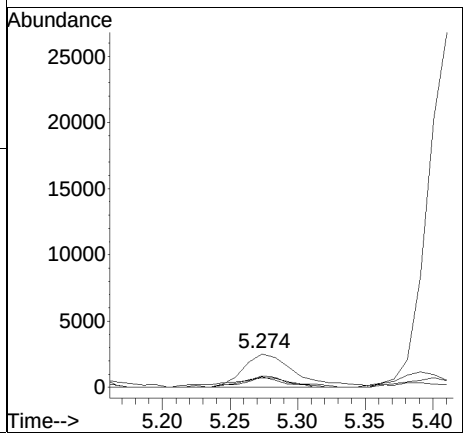


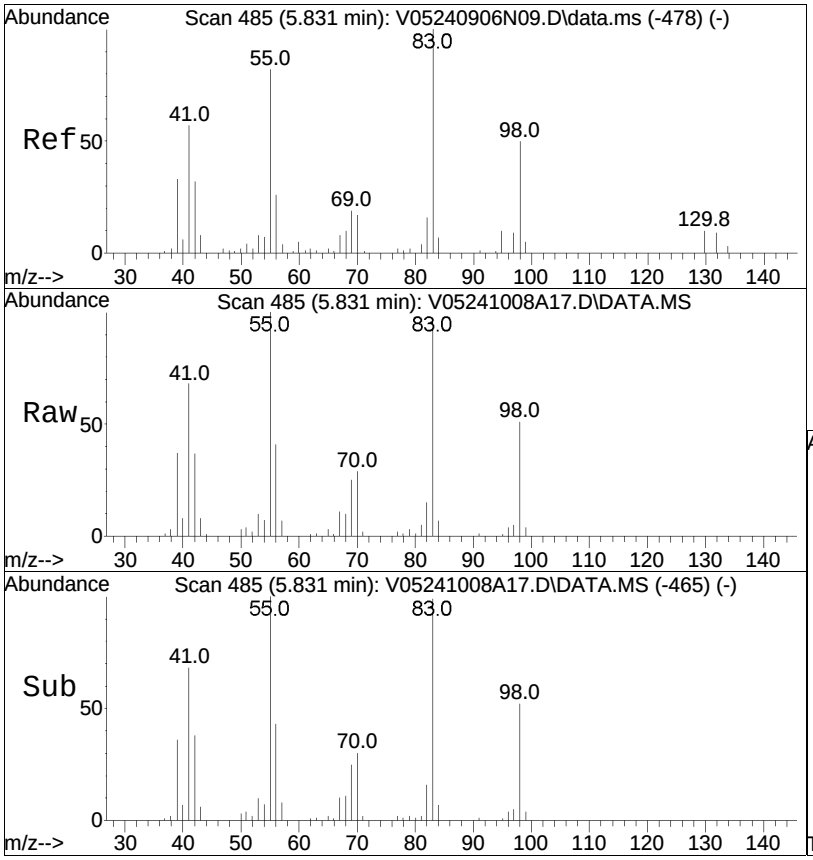


#41
Benzene
Concen: 0.17 ug/L
RT: 5.274 min Scan# 428
Delta R.T. 0.001 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion: 78 Resp: 6847

Ion	Ratio	Lower	Upper
78	100		
77	28.2	15.2	31.6
51	38.5	10.5	21.7#
52	24.1	9.5	19.7#

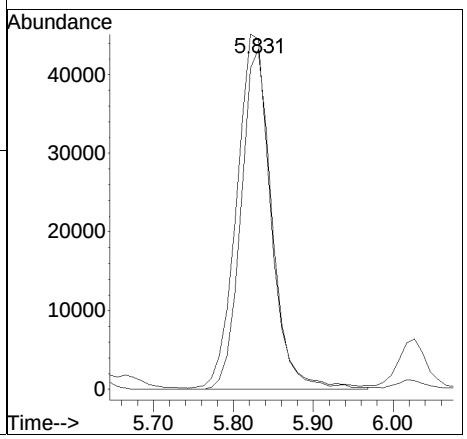


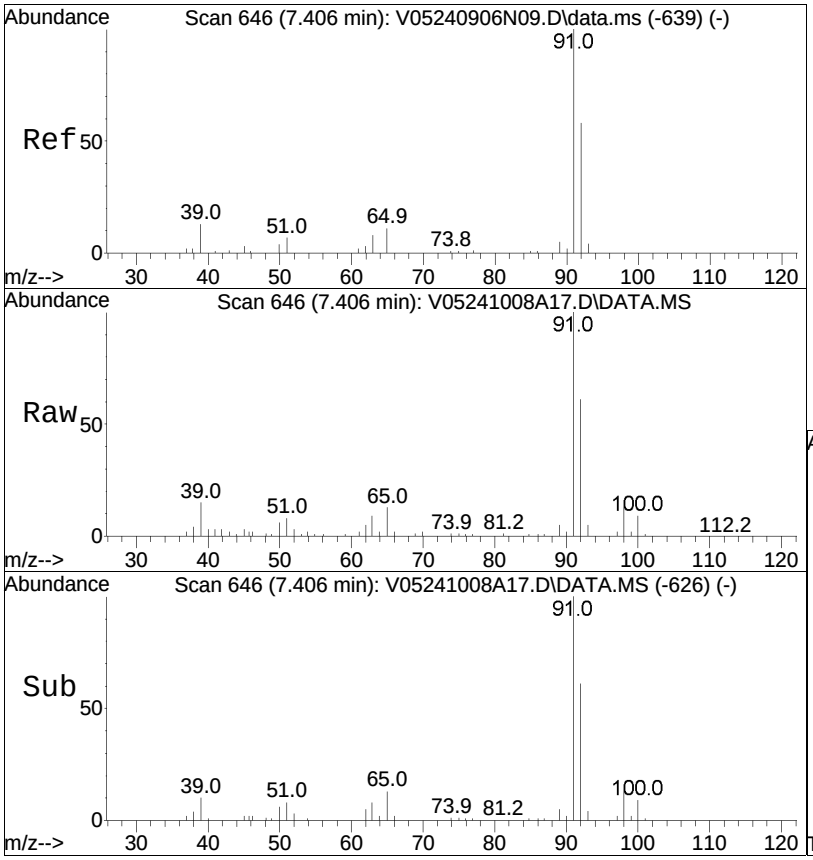


#47
Methyl cyclohexane
Concen: 6.19 ug/L
RT: 5.831 min Scan# 485
Delta R.T. 0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion: 83 Resp: 116843

Ion	Ratio	Lower	Upper
83	100		
55	113.9	57.3	85.9#

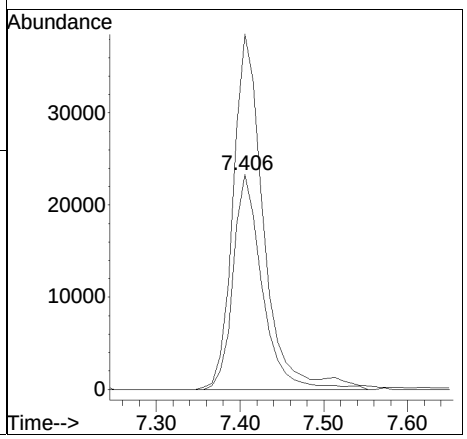


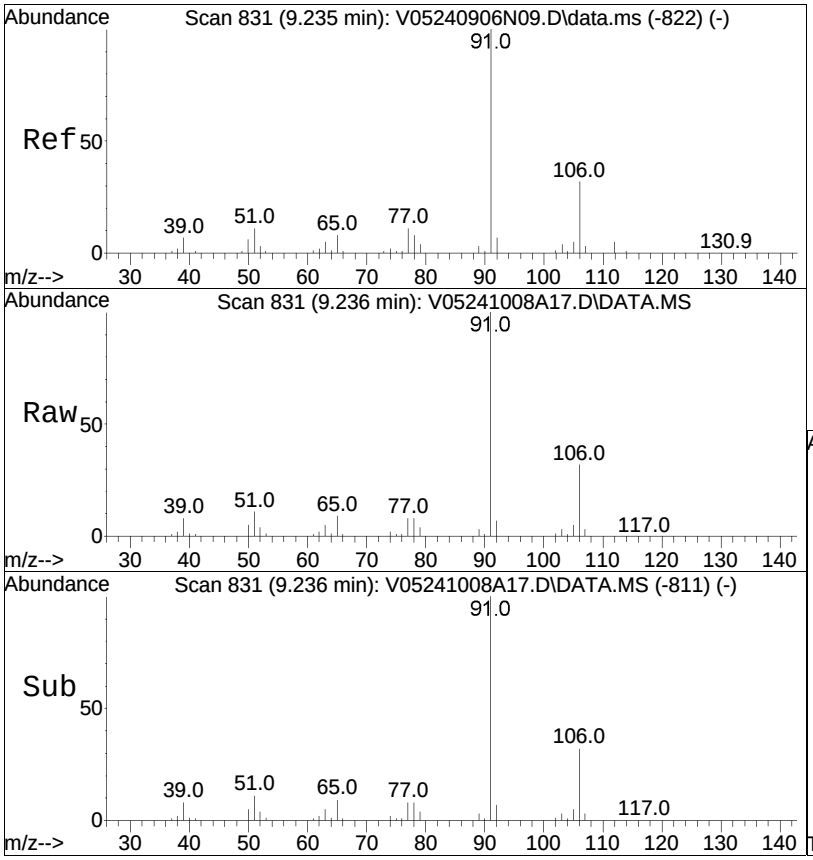


#61
Toluene
Concen: 2.16 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion: 92 Resp: 56446

Ion	Ratio	Lower	Upper
92	100		
91	168.0	135.2	202.8

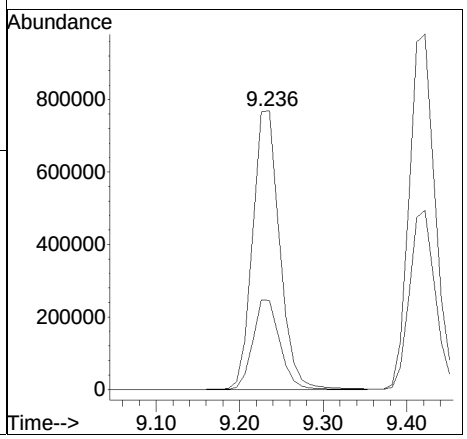


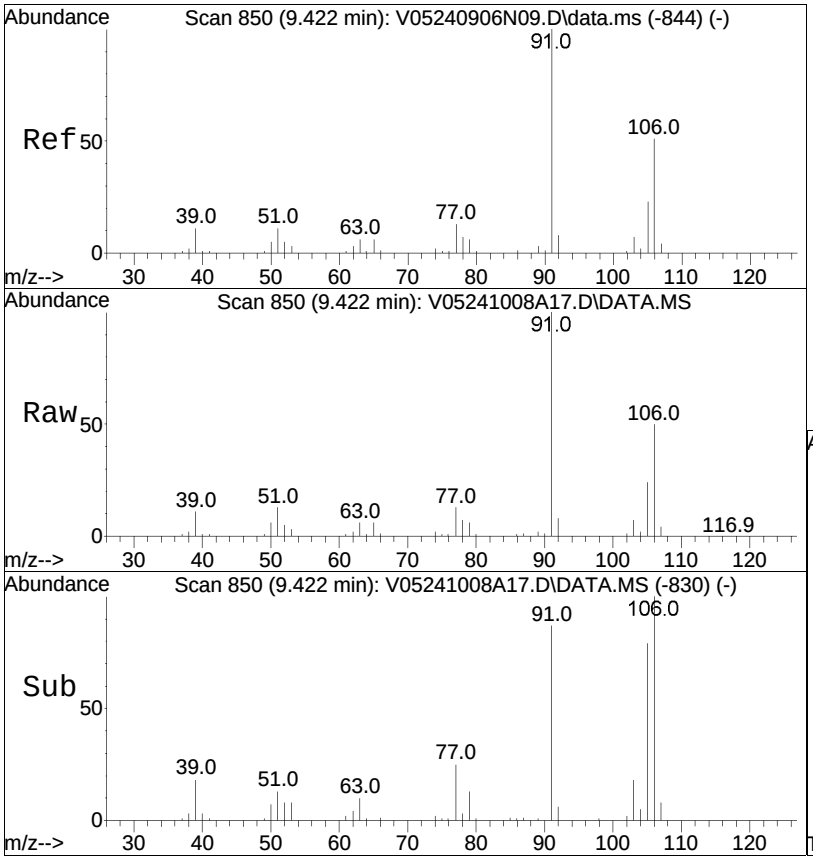


#74
Ethylbenzene
Concen: 33.31 ug/L
RT: 9.236 min Scan# 831
Delta R.T. 0.001 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion: 91 Resp: 1734966

Ion	Ratio	Lower	Upper
91	100		
106	32.0	22.9	34.3

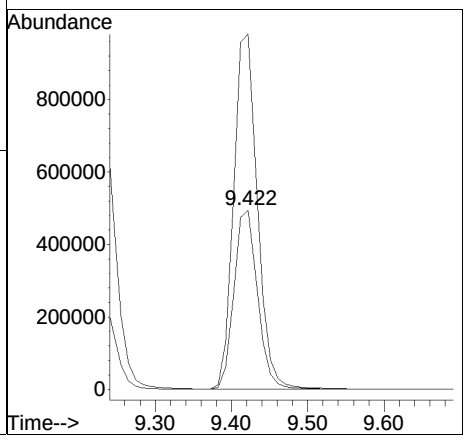


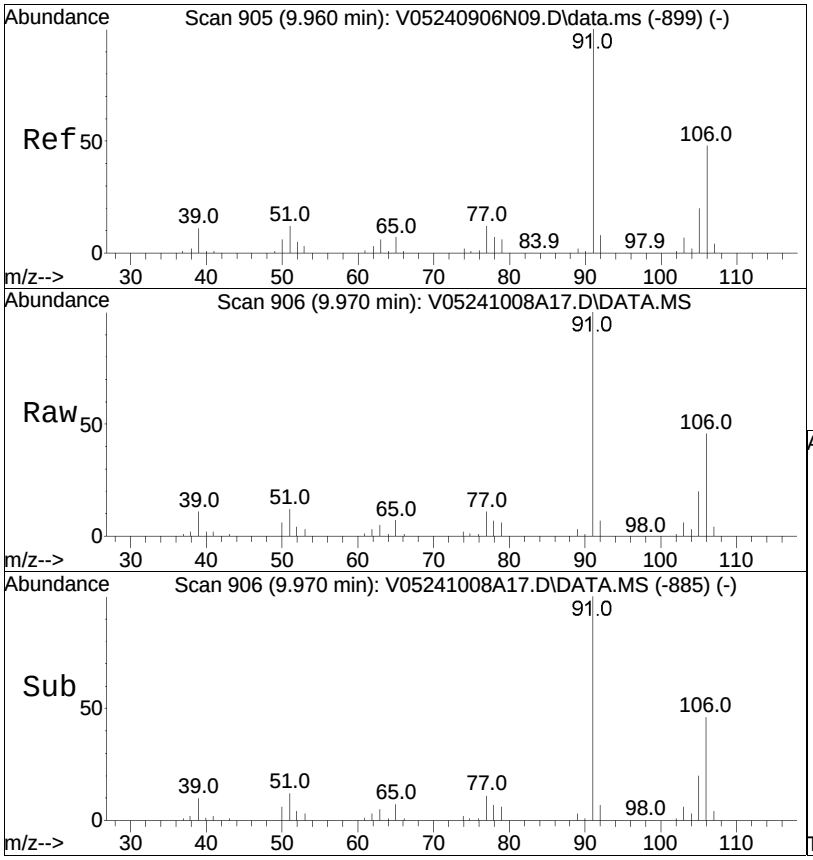


#76
p/m Xylene
Concen: 52.90 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion:106 Resp: 1063847

Ion	Ratio	Lower	Upper
106	100		
91	198.4	177.2	265.8

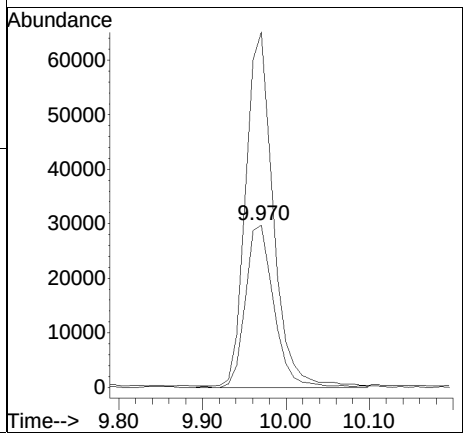


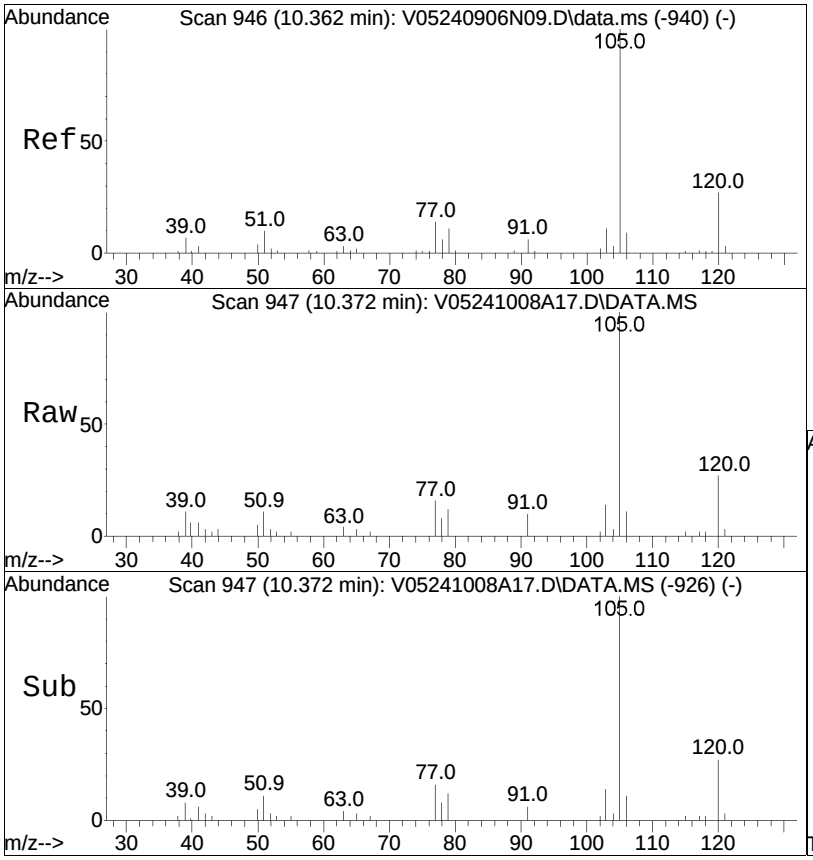


#77
o Xylene
Concen: 3.70 ug/L
RT: 9.970 min Scan# 906
Delta R.T. 0.010 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion:106 Resp: 70582

Ion	Ratio	Lower	Upper
106	100		
91	209.6	187.0	280.6

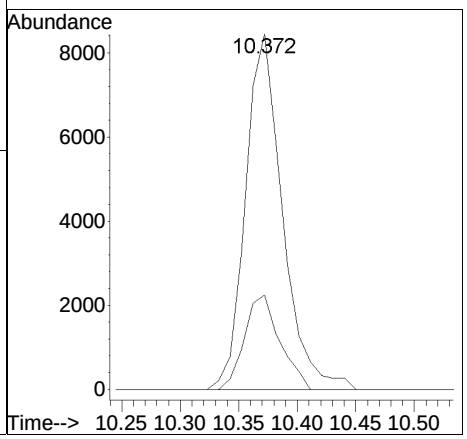


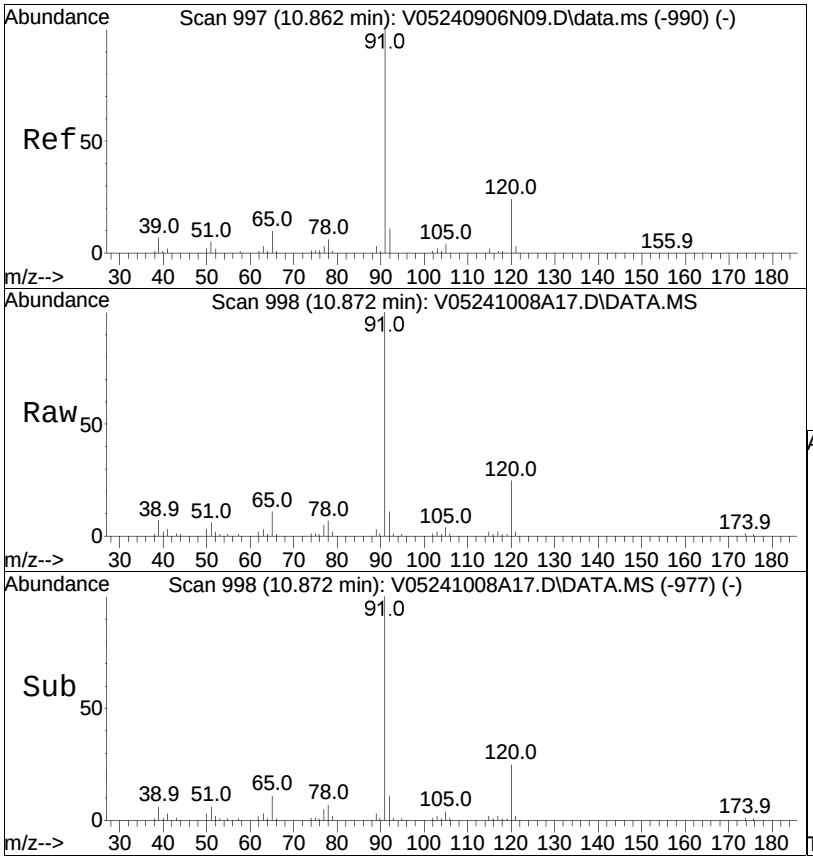


#82
Isopropylbenzene
Concen: 0.35 ug/L
RT: 10.372 min Scan# 947
Delta R.T. 0.010 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion:105 Resp: 18545

Ion	Ratio	Lower	Upper
105	100		
120	25.4	4.8	44.8

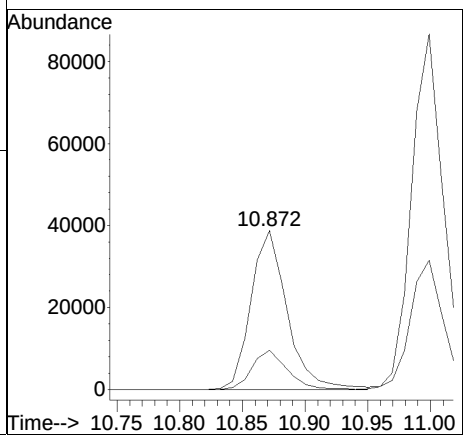


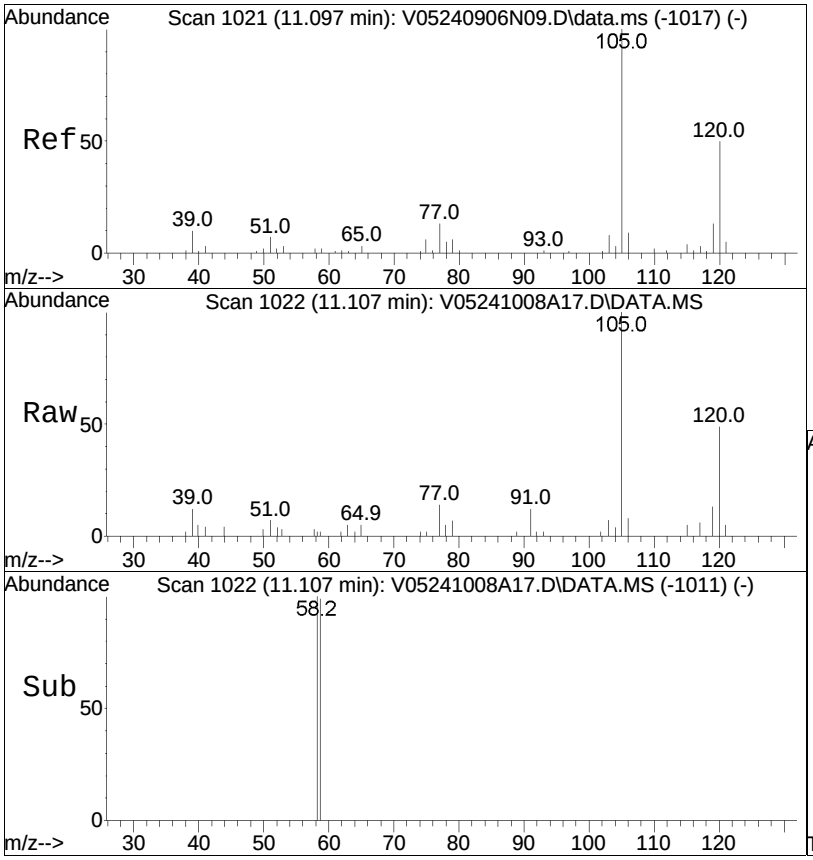


#85
n-Propylbenzene
Concen: 1.27 ug/L
RT: 10.872 min Scan# 998
Delta R.T. 0.010 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion: 91 Resp: 77924

Ion	Ratio	Lower	Upper
91	100		
120	23.8	17.3	25.9

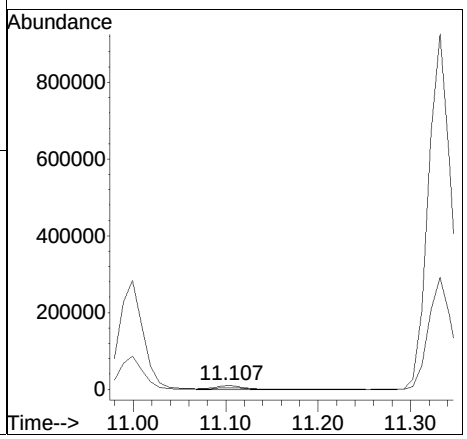


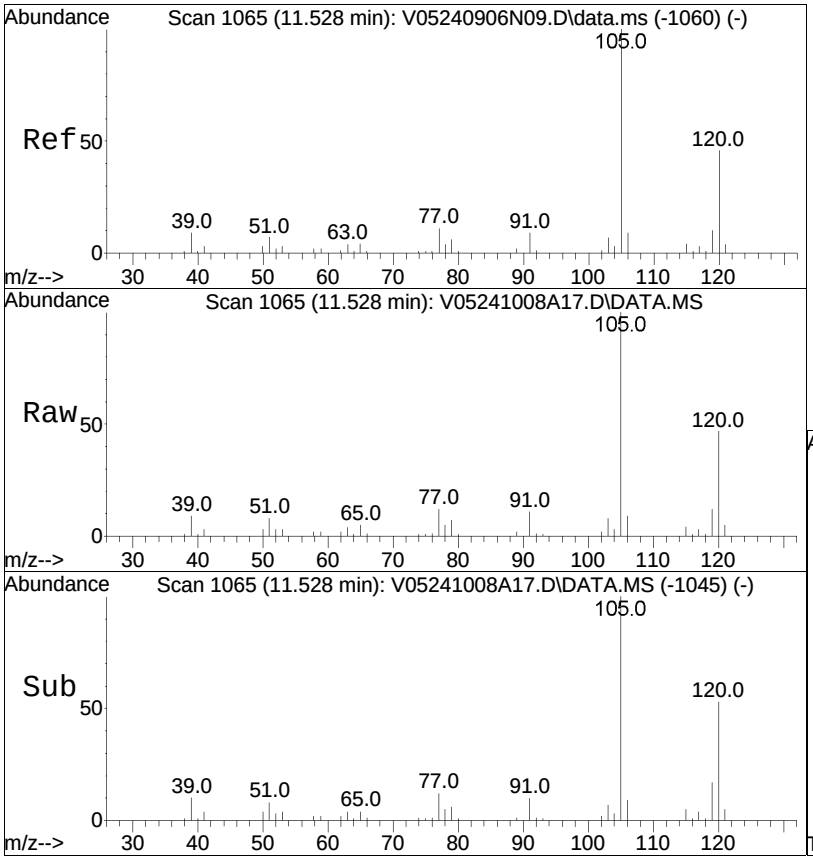


#90
1,3,5-Trimethylbenzene
Concen: 0.52 ug/L
RT: 11.107 min Scan# 1022
Delta R.T. 0.010 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion:105 Resp: 23570

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.0	55.6

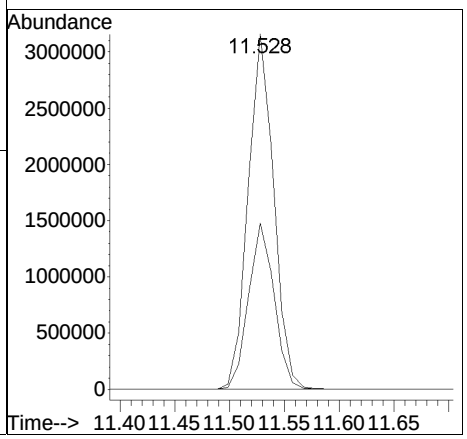


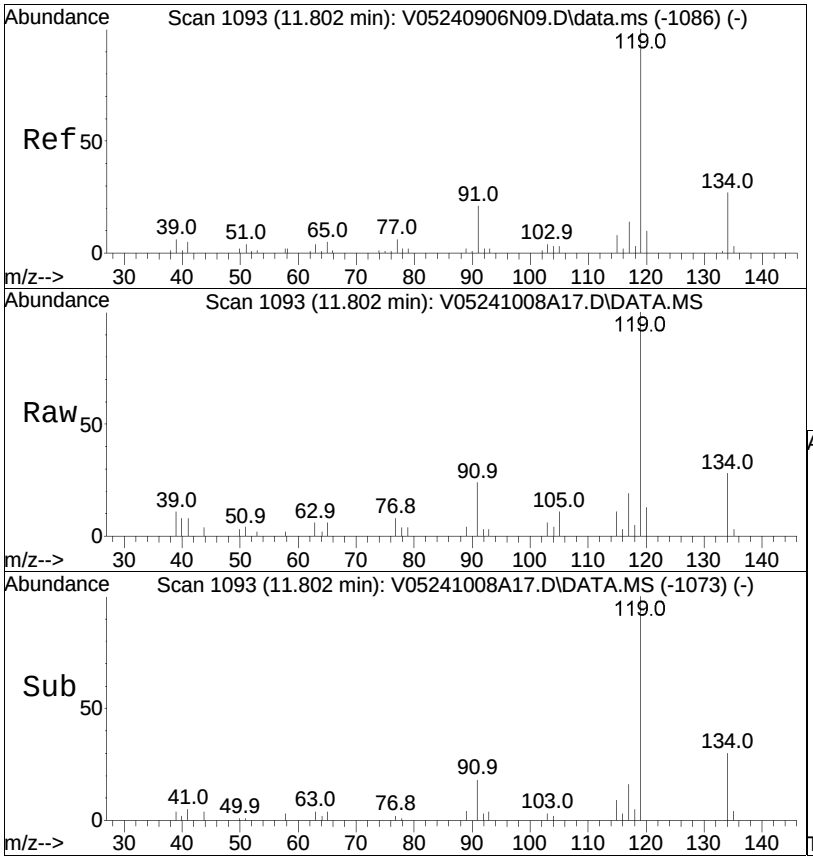


#97
1,2,4-Trimethylbenzene
Concen: 118.43 ug/L
RT: 11.528 min Scan# 1065
Delta R.T. -0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion:105 Resp: 5135365

Ion	Ratio	Lower	Upper
105	100		
120	46.9	34.4	51.6

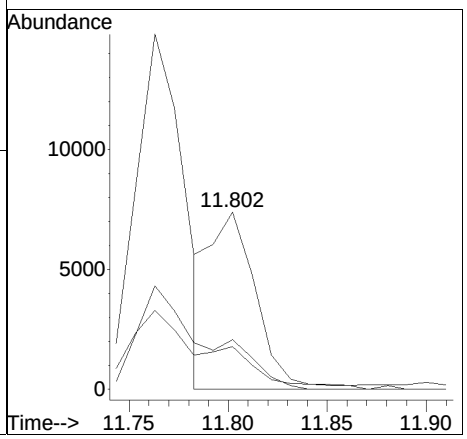


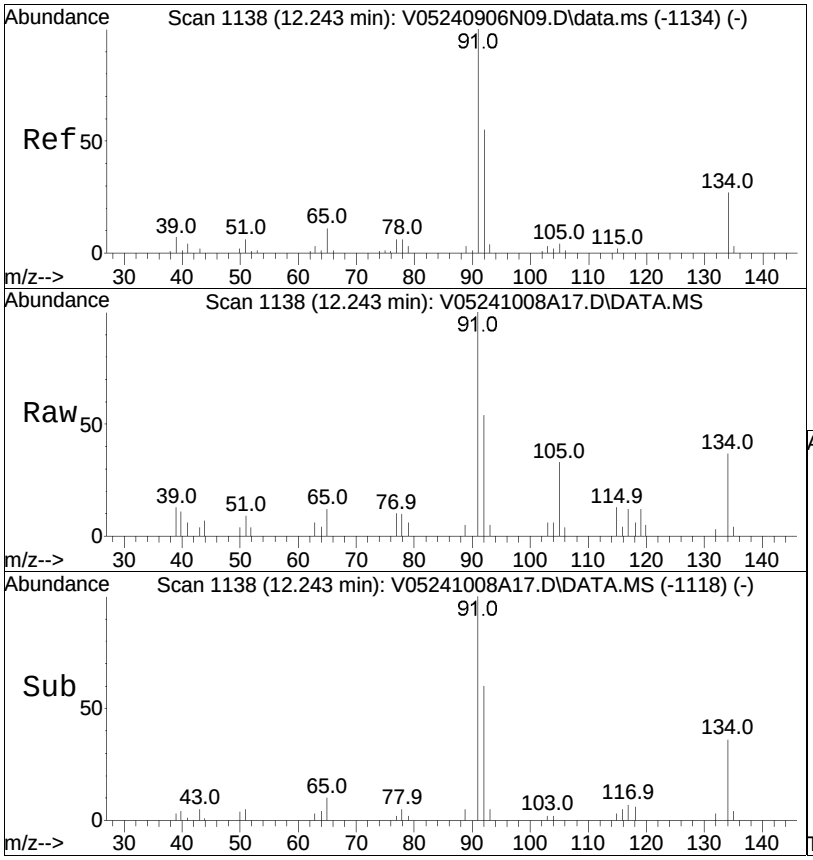


#99
p-Isopropyltoluene
Concen: 0.24 ug/L M3
RT: 11.802 min Scan# 1093
Delta R.T. 0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion:119 Resp: 12169

Ion	Ratio	Lower	Upper
119	100		
134	86.3	16.0	33.2#
91	78.4	16.8	35.0#

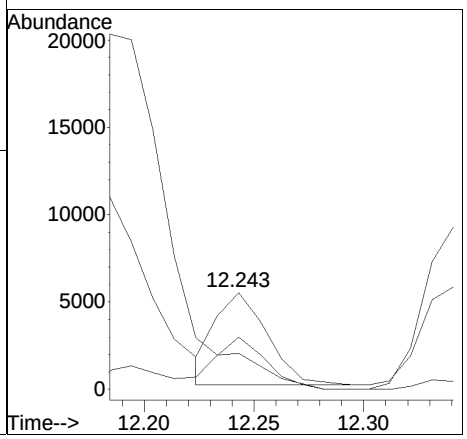


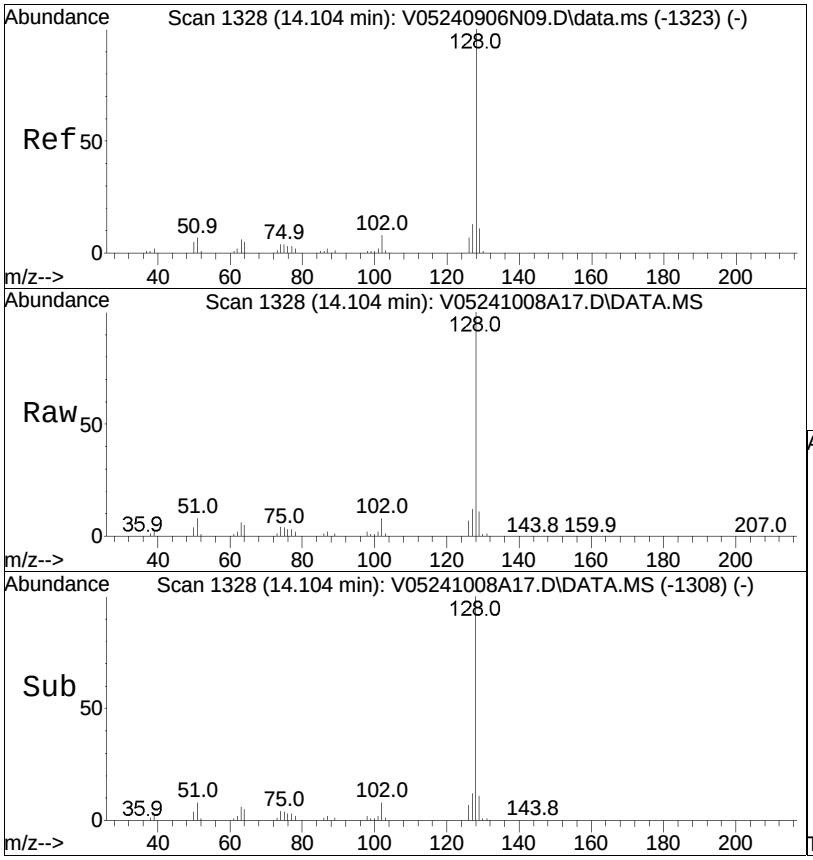


#103
n-Butylbenzene
Concen: 0.21 ug/L
RT: 12.243 min Scan# 1138
Delta R.T. -0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

Tgt Ion: 91 Resp: 8778

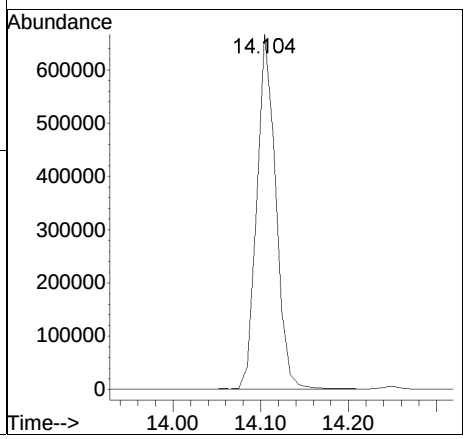
Ion	Ratio	Lower	Upper
91	100		
92	57.9	44.2	66.2
134	0.0	20.2	30.2#





#110
Naphthalene
Concen: 29.39 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05241008A17.D
Acq: 8 Oct 2024 1:26 pm

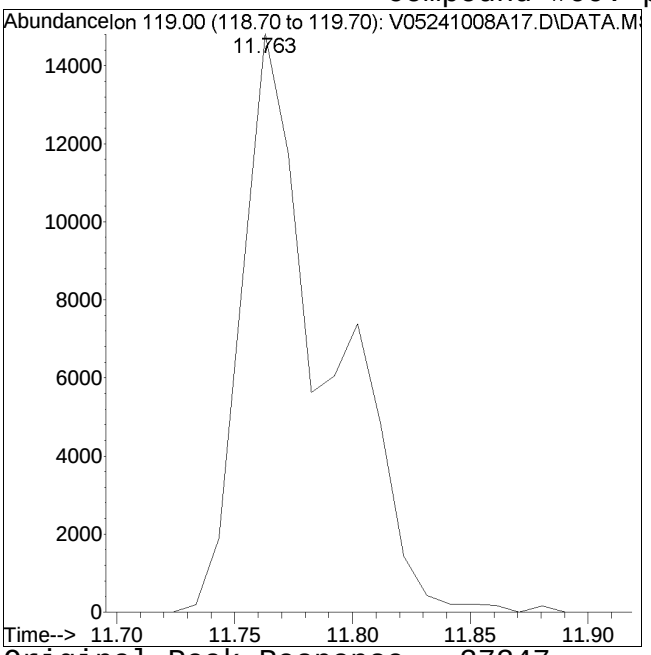
Tgt Ion:128 Resp: 1003471

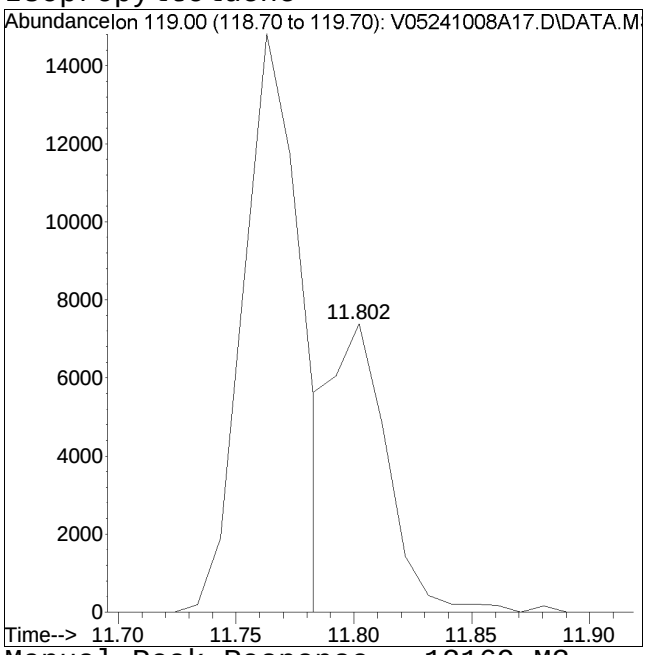


Manual Integration Report

Data Path : K:\VOA105\2024\241008A\ QMethod : V105_240906N_8260.m
Data File : V05241008A17.D Operator : VOA105:MAG
Date Inj'd : 10/8/2024 1:26 pm Instrument : VOA105
Sample : l2457097-04d,31,2.5,10,,a Quant Date : 10/8/2024 9:17 pm

Compound #99: p-Isopropyltoluene





Original Peak Response = 37347 Manual Peak Response = 12169 M3

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A18.D
Acq On : 8 Oct 2024 1:52 pm
Operator : VOA105:MAG
Sample : l2457097-06d,31,0.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 21:34:16 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-PA_ShortList - PA Short list

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	478705	10.000	ug/L	0.00
Standard Area 1 = 594385			Recovery = 80.54%			
59) Chlorobenzene-d5	9.177	117	375685	10.000	ug/L	0.00
Standard Area 1 = 454960			Recovery = 82.58%			
79) 1,4-Dichlorobenzene-d4	11.949	152	230102	10.000	ug/L	0.00
Standard Area 1 = 272073			Recovery = 84.57%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	134837	10.079	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.79%			
43) 1,2-Dichloroethane-d4	5.411	65	153064	11.067	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.67%			
60) Toluene-d8	7.347	98	461934	10.181	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.81%			
83) 4-Bromofluorobenzene	10.705	95	172033	10.775	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.75%			
Target Compounds						Qvalue
20) Methyl tert-butyl ether	0.000		0	N.D.		
41) Benzene	5.274	78	1249	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
61) Toluene	7.406	92	15460	0.586	ug/L	99
71) 1,2-Dibromoethane	0.000		0	N.D.		
74) Ethylbenzene	9.226	91	2524411	47.931	ug/L	94
76) p/m Xylene	9.422	106	2040451	100.325	ug/L	86
77) o Xylene	9.970	106	51418	2.669	ug/L	81
82) Isopropylbenzene	10.372	105	36863	0.693	ug/L	95
90) 1,3,5-Trimethylbenzene	11.097	105	385191	8.424	ug/L	93
97) 1,2,4-Trimethylbenzene	11.528	105	3020066	68.962	ug/L	94
110) Naphthalene	14.104	128	913026	26.518	ug/L	100

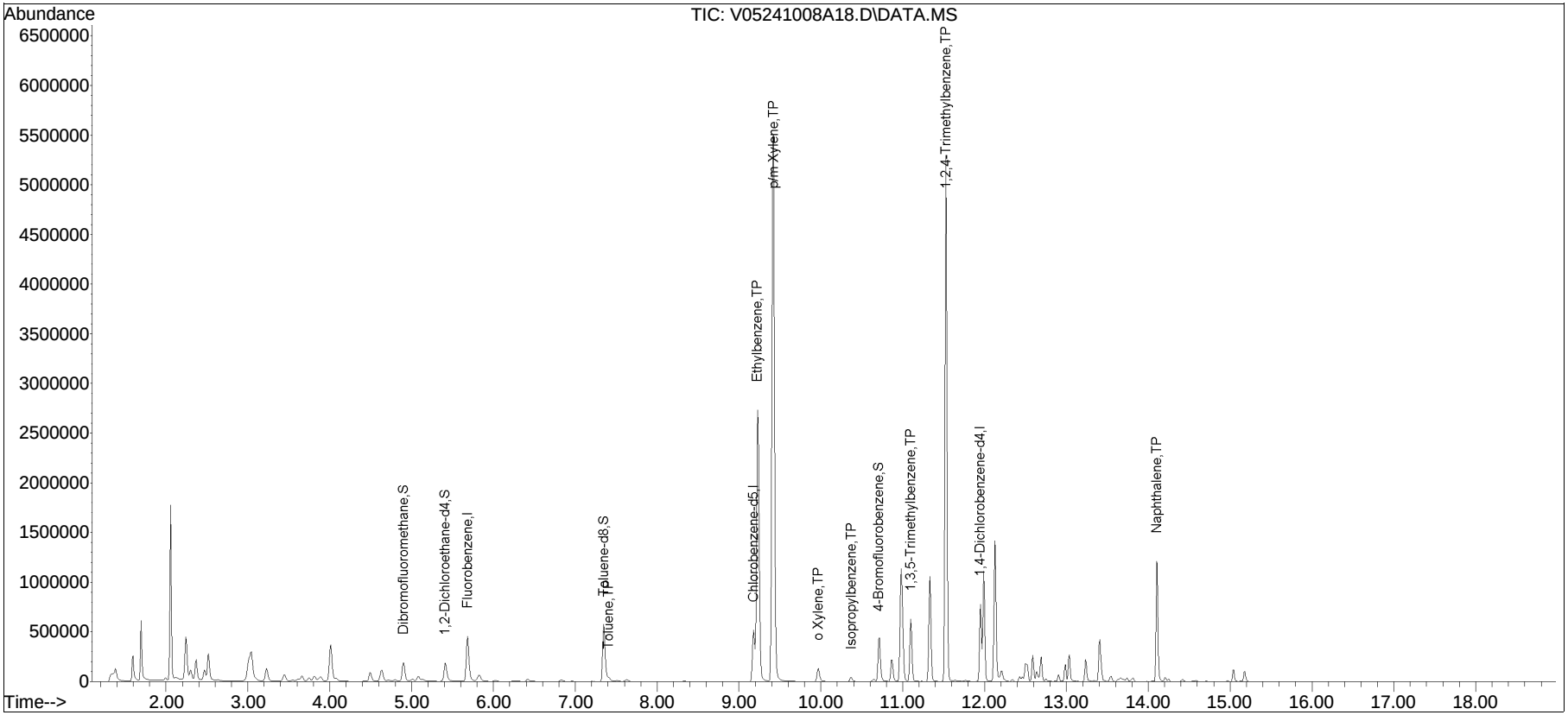
(#) = qualifier out of range (m) = manual integration (+) = signals summed

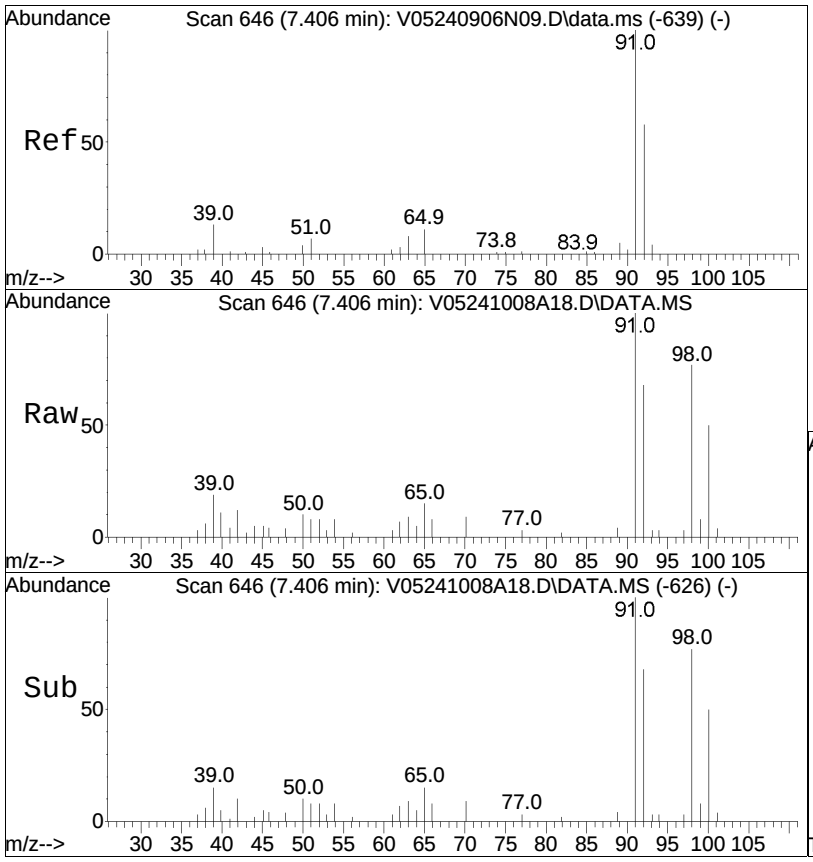
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A18.D
Acq On : 8 Oct 2024 1:52 pm
Operator : VOA105:MAG
Sample : l2457097-06d,31,0.5,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 08 21:34:16 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list008A01.D•

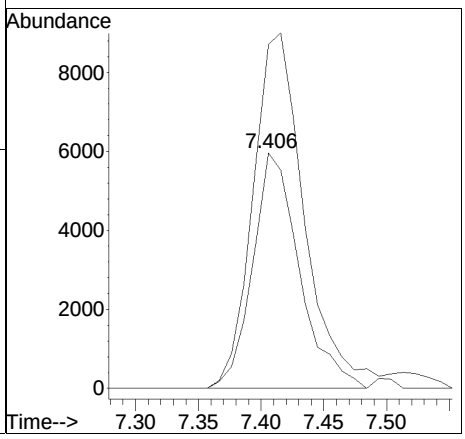


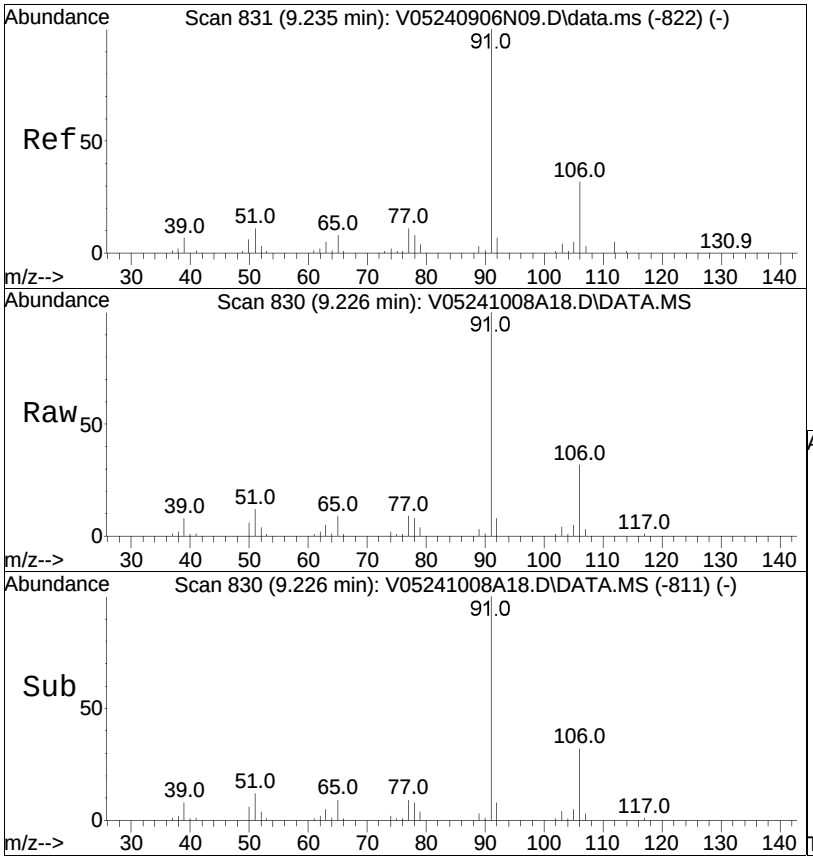


#61
Toluene
Concen: 0.59 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241008A18.D
Acq: 8 Oct 2024 1:52 pm

Tgt Ion: 92 Resp: 15460

Ion	Ratio	Lower	Upper
92	100		
91	167.3	135.2	202.8

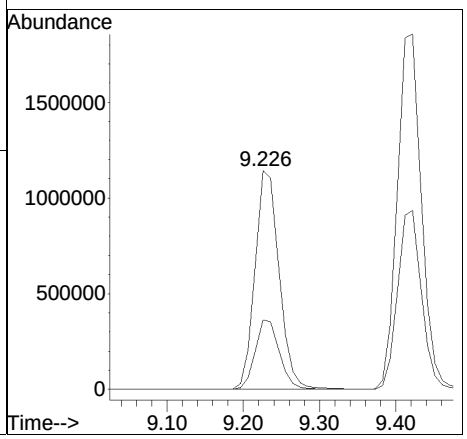


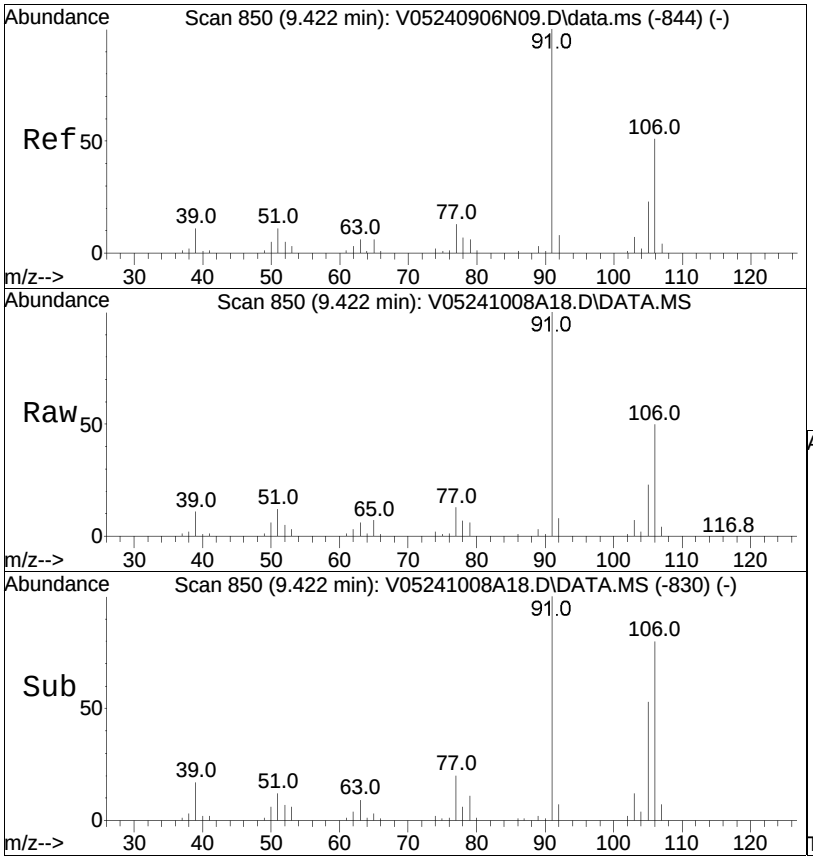


#74
Ethylbenzene
Concen: 47.93 ug/L
RT: 9.226 min Scan# 830
Delta R.T. -0.009 min
Lab File: V05241008A18.D
Acq: 8 Oct 2024 1:52 pm

Tgt Ion: 91 Resp: 2524411

Ion	Ratio	Lower	Upper
91	100		
106	31.8	22.9	34.3

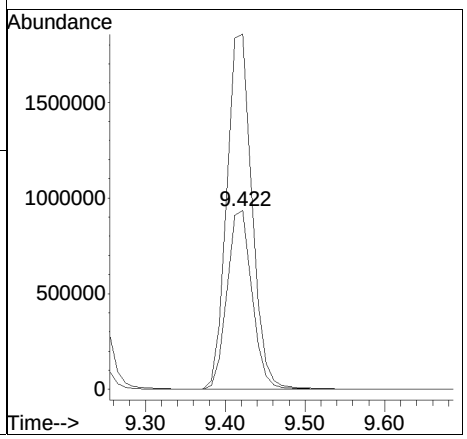


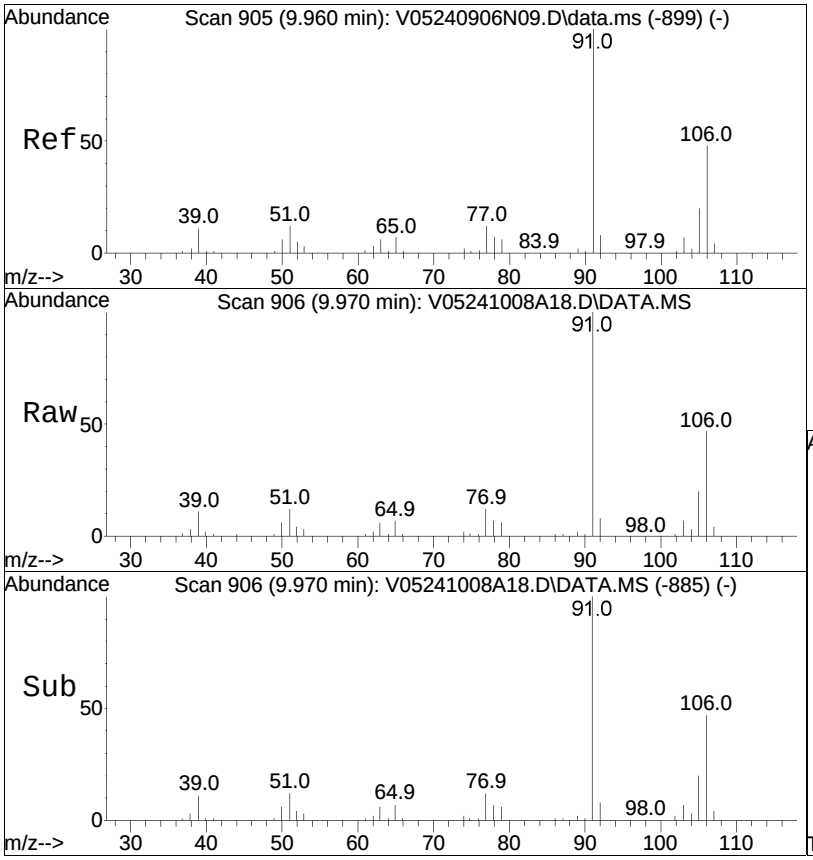


#76
p/m Xylene
Concen: 100.33 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241008A18.D
Acq: 8 Oct 2024 1:52 pm

Tgt Ion:106 Resp: 2040451

Ion	Ratio	Lower	Upper
106	100		
91	199.6	177.2	265.8

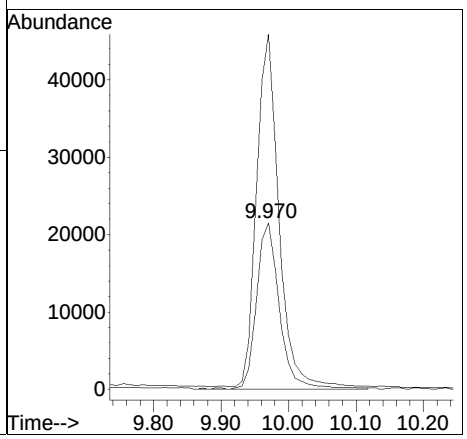


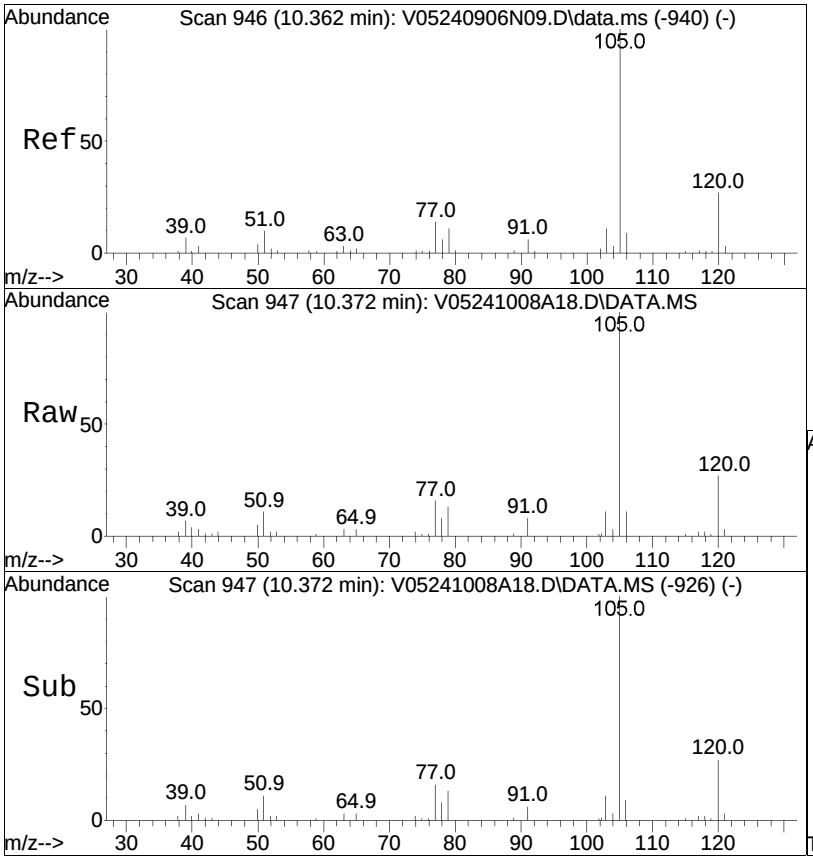


#77
o Xylene
Concen: 2.67 ug/L
RT: 9.970 min Scan# 906
Delta R.T. 0.010 min
Lab File: V05241008A18.D
Acq: 8 Oct 2024 1:52 pm

Tgt Ion:106 Resp: 51418

Ion	Ratio	Lower	Upper
106	100		
91	201.5	187.0	280.6

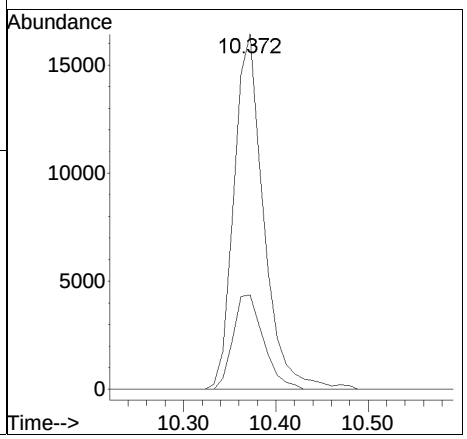


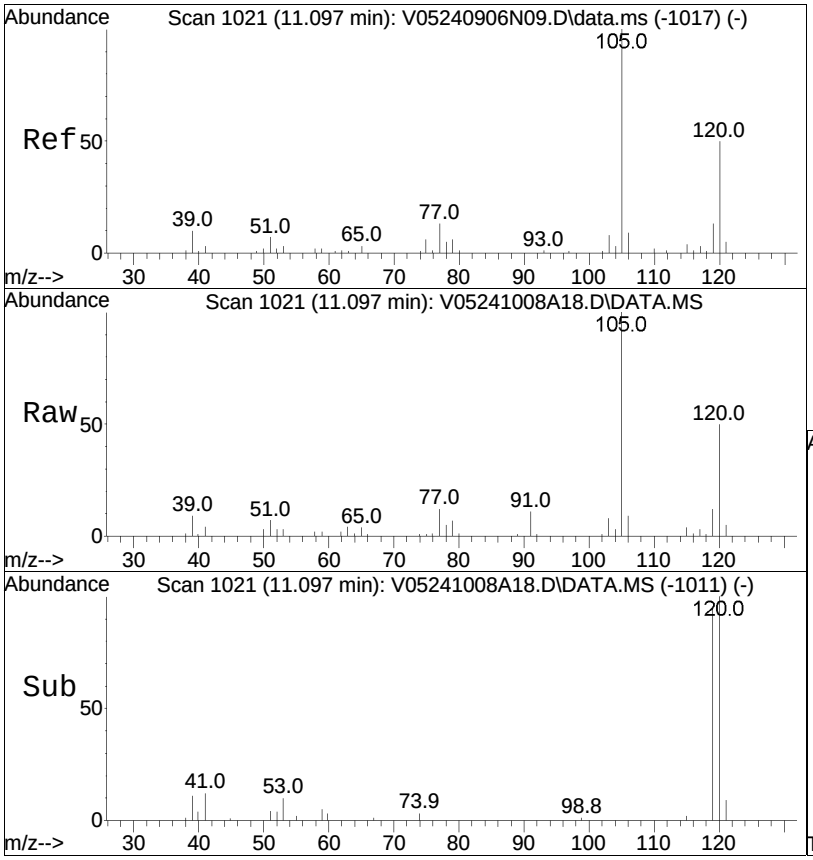


#82
Isopropylbenzene
Concen: 0.69 ug/L
RT: 10.372 min Scan# 947
Delta R.T. 0.010 min
Lab File: V05241008A18.D
Acq: 8 Oct 2024 1:52 pm

Tgt Ion:105 Resp: 36863

Ion	Ratio	Lower	Upper
105	100		
120	27.4	4.8	44.8

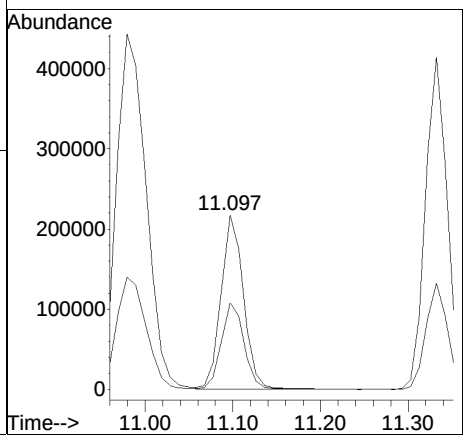


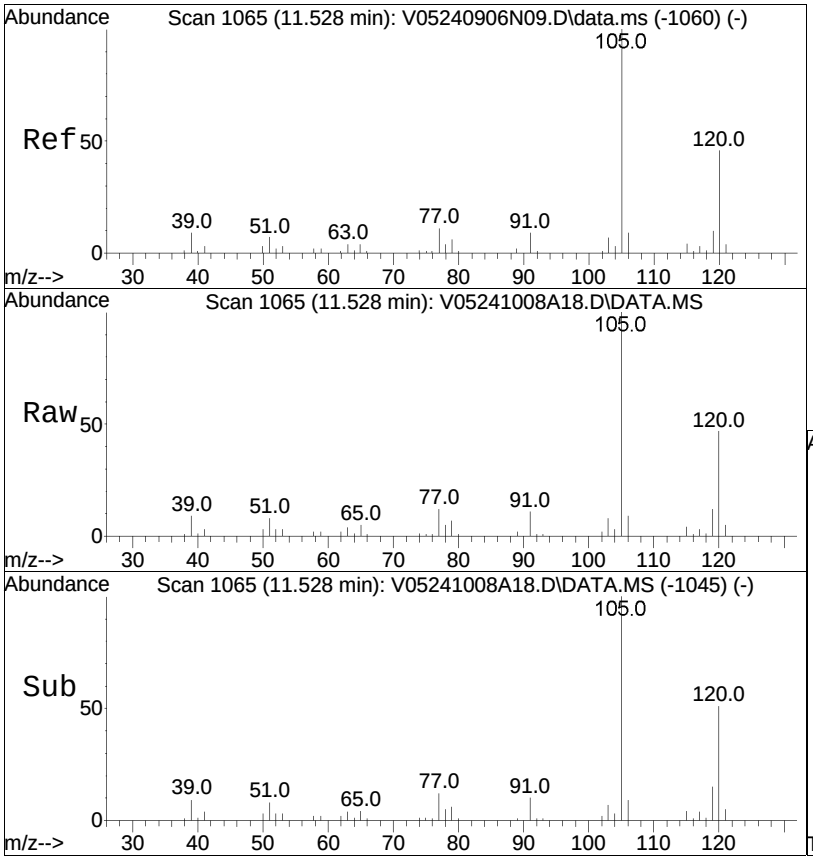


#90
1,3,5-Trimethylbenzene
Concen: 8.42 ug/L
RT: 11.097 min Scan# 1021
Delta R.T. -0.000 min
Lab File: V05241008A18.D
Acq: 8 Oct 2024 1:52 pm

Tgt Ion:105 Resp: 385191

Ion	Ratio	Lower	Upper
105	100		
120	50.9	37.0	55.6

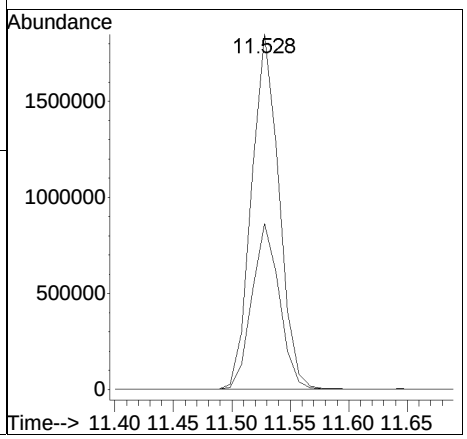


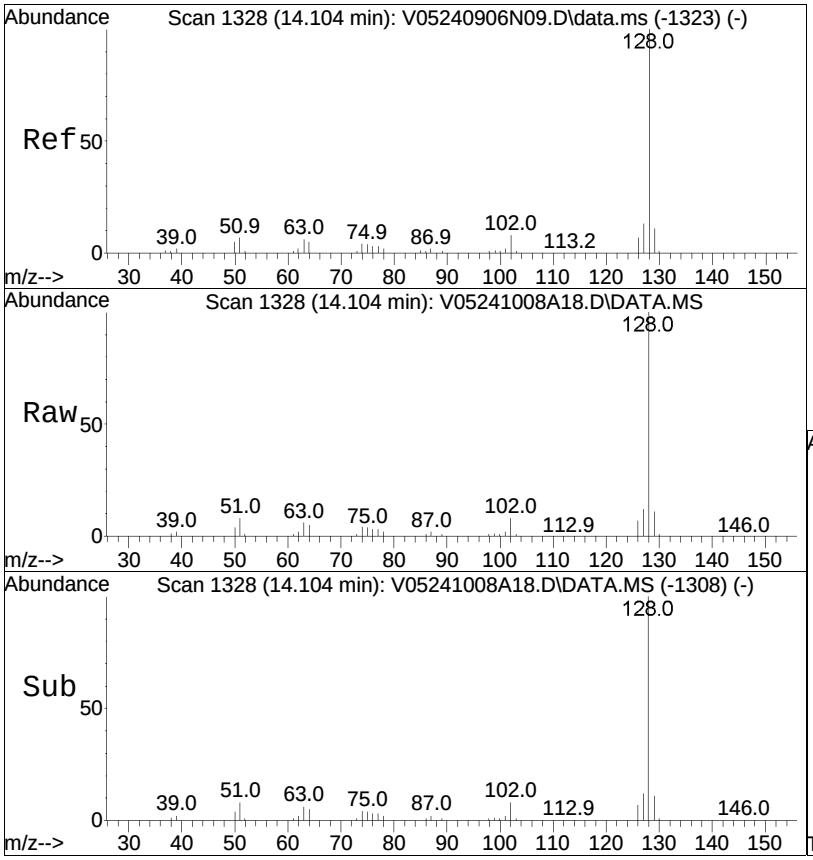


#97
1,2,4-Trimethylbenzene
Concen: 68.96 ug/L
RT: 11.528 min Scan# 1065
Delta R.T. -0.000 min
Lab File: V05241008A18.D
Acq: 8 Oct 2024 1:52 pm

Tgt Ion:105 Resp: 3020066

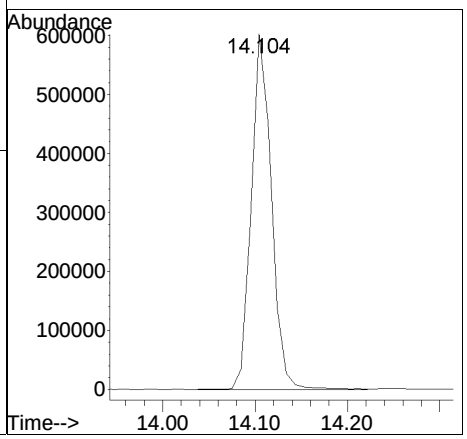
Ion	Ratio	Lower	Upper
105	100		
120	46.7	34.4	51.6





#110
Naphthalene
Concen: 26.52 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05241008A18.D
Acq: 8 Oct 2024 1:52 pm

Tgt Ion:128 Resp: 913026



Manual Integration Report

Data Path	: K:\VOA105\2024\241008A\	QMethod	: V105_240906N_8260.m
Data File	: V05241008A18.D	Operator	: VOA105:MAG
Date Inj'd	: 10/8/2024 1:52 pm	Instrument	: VOA105
Sample	: l2457097-06d,31,0.5,10,,a	Quant Date	: 10/8/2024 9:17 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A19.D
Acq On : 8 Oct 2024 2:17 pm
Operator : VOA105:MAG
Sample : l2457097-05,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 21:36:42 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	478986	10.000 ug/L	0.00
Standard Area 1 = 594385			Recovery =	80.59%	
59) Chlorobenzene-d5	9.177	117	371270	10.000 ug/L	0.00
Standard Area 1 = 454960			Recovery =	81.60%	
79) 1,4-Dichlorobenzene-d4	11.949	152	223185	10.000 ug/L	0.00
Standard Area 1 = 272073			Recovery =	82.03%	
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	134533	10.050 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.50%	
43) 1,2-Dichloroethane-d4	5.410	65	150603	10.882 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.82%	
60) Toluene-d8	7.347	98	453297	10.109 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.09%	
83) 4-Bromofluorobenzene	10.715	95	169611	10.953 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.53%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.351	85	726	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	649	0.113 ug/L #	74
6) Chloroethane	2.114	64	566	Below Cal	71
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.740	76	661	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.102	84	411	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) Cyclohexane	4.638	56	2157M3	0.118 ug/L	
32) Chloroform	0.000		0	N.D. d	
34) Carbon tetrachloride	0.000		0	N.D.	
37) 1,1,1-Trichloroethane	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A19.D
Acq On : 8 Oct 2024 2:17 pm
Operator : VOA105:MAG
Sample : l2457097-05,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 21:36:42 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) 2-Butanone	0.000		0	N.D. d	
41) Benzene	5.273	78	19467	0.482 ug/L	95
44) 1,2-Dichloroethane	0.000		0	N.D.	
47) Methyl cyclohexane	5.831	83	7547	0.408 ug/L #	1
48) Trichloroethene	0.000		0	N.D. d	
51) 1,2-Dichloropropane	6.418	63	103	N.D.	
54) Bromodichloromethane	6.555	83	211	N.D.	
58) cis-1,3-Dichloropropene	0.000		0	N.D.	
61) Toluene	7.406	92	8900	0.341 ug/L	87
62) 4-Methyl-2-pentanone	0.000		0	N.D.	
63) Tetrachloroethene	0.000		0	N.D.	
65) trans-1,3-Dichloropropene	0.000		0	N.D.	
68) 1,1,2-Trichloroethane	0.000		0	N.D. d	
69) Chlorodibromomethane	0.000		0	N.D.	
71) 1,2-Dibromoethane	0.000		0	N.D.	
72) 2-Hexanone	8.951	43	89	N.D.	
73) Chlorobenzene	0.000		0	N.D.	
74) Ethylbenzene	9.235	91	17928	0.344 ug/L	97
76) p/m Xylene	9.451	106	2673	0.133 ug/L	81
77) o Xylene	9.980	106	119	N.D.	
78) Styrene	0.000		0	N.D.	
80) Bromoform	0.000		0	N.D.	
82) Isopropylbenzene	10.372	105	7436	0.144 ug/L	98
85) n-Propylbenzene	10.871	91	11379	0.189 ug/L	97
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
90) 1,3,5-Trimethylbenzene	11.106	105	785	N.D.	
94) tert-Butylbenzene	11.537	119	1449	N.D.	
97) 1,2,4-Trimethylbenzene	11.537	105	11678	0.275 ug/L	95
98) sec-Butylbenzene	11.645	105	5158	0.091 ug/L #	1
99) p-Isopropyltoluene	11.812	119	95	N.D.	
100) 1,3-Dichlorobenzene	0.000		0	N.D.	
101) 1,4-Dichlorobenzene	0.000		0	N.D.	
103) n-Butylbenzene	12.253	91	4047	0.100 ug/L #	84
104) 1,2-Dichlorobenzene	0.000		0	N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
110) Naphthalene	14.114	128	13086	0.784 ug/L	100

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

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A19.D
Acq On : 8 Oct 2024 2:17 pm
Operator : VOA105:MAG
Sample : l2457097-05,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 21:36:42 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

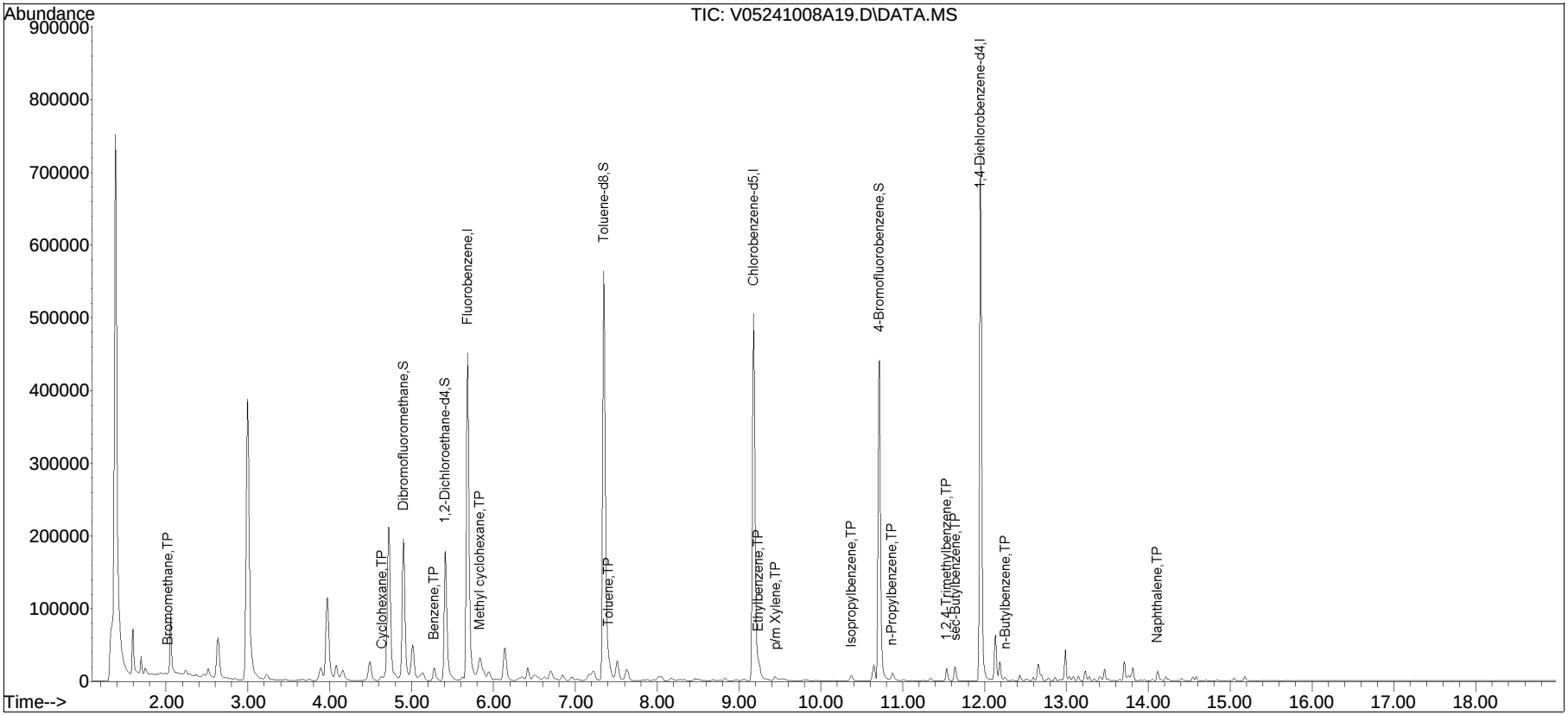
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

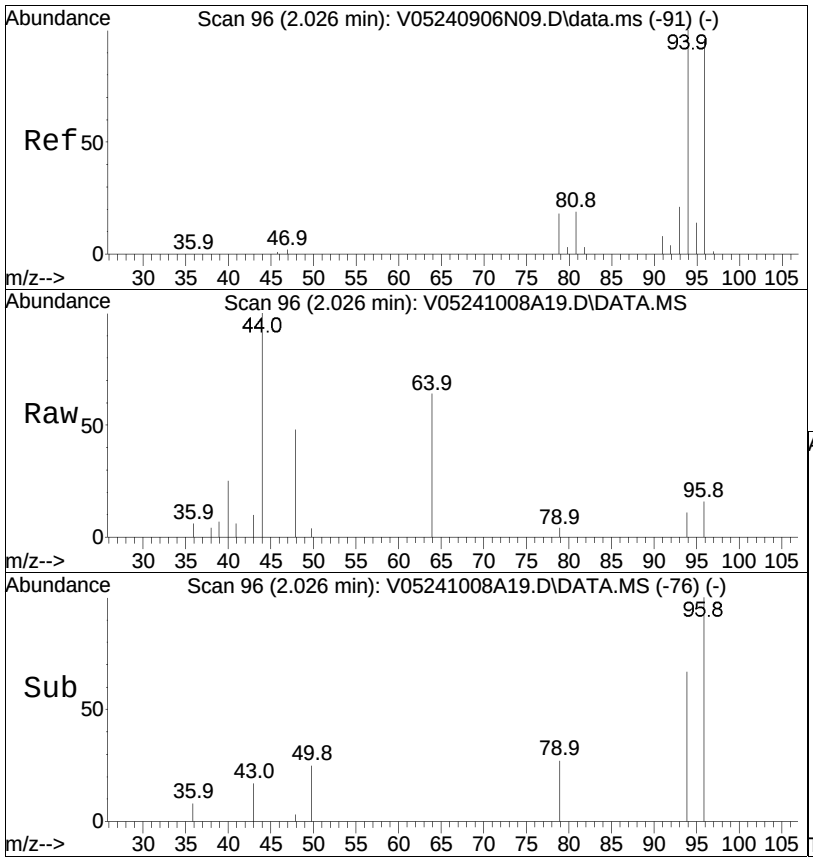
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A19.D
Acq On : 8 Oct 2024 2:17 pm
Operator : VOA105:MAG
Sample : l2457097-05,31,10,10,,a
Misc : WG1981780,ICAL21466
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 08 21:36:42 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1008A01.D•

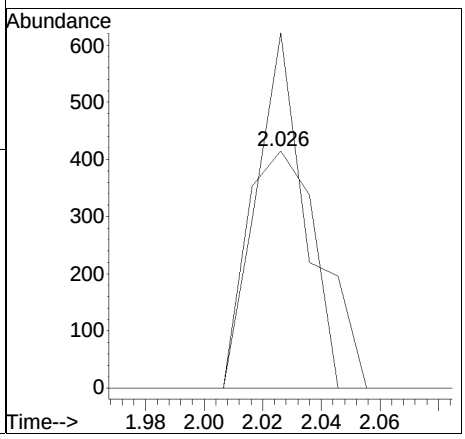


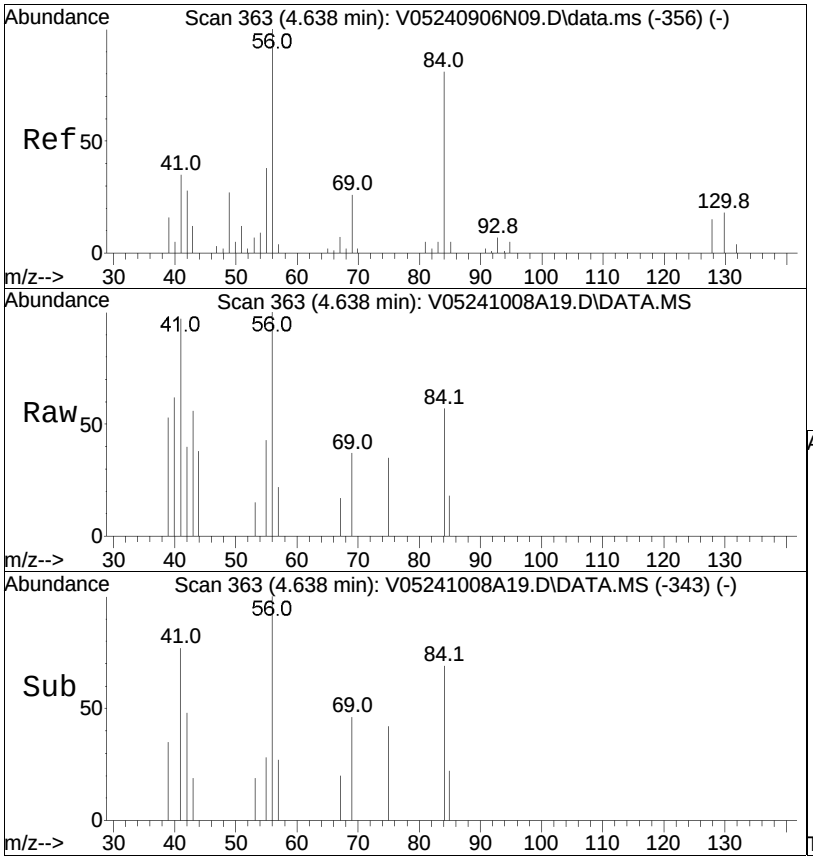


#5
Bromomethane
Concen: 0.11 ug/L
RT: 2.026 min Scan# 96
Delta R.T. -0.000 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion: 94 Resp: 649

Ion	Ratio	Lower	Upper
94	100		
96	120.3	75.4	115.4#

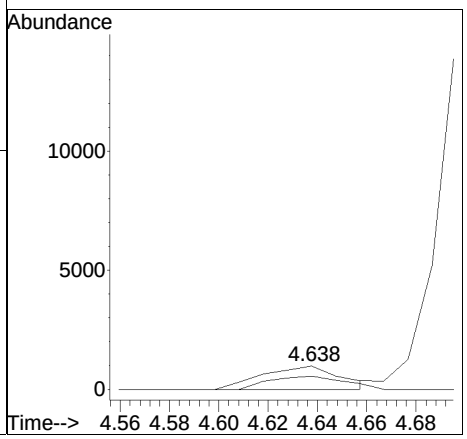


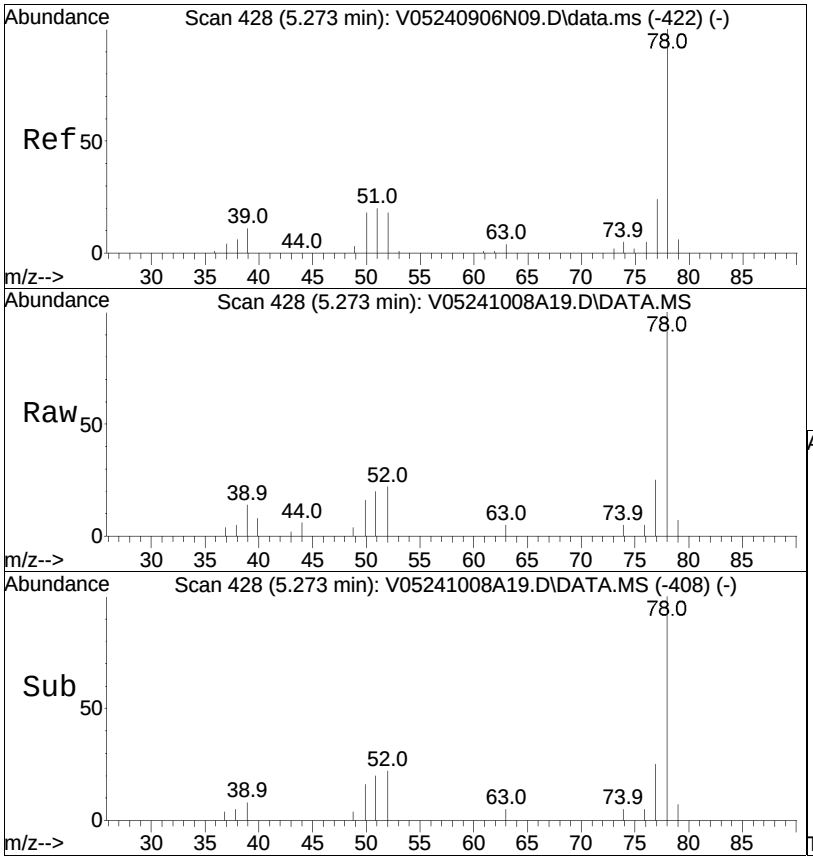


#31
Cyclohexane
Concen: 0.12 ug/L M3
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion: 56 Resp: 2157

Ion	Ratio	Lower	Upper
56	100		
84	17.2	64.4	133.8#

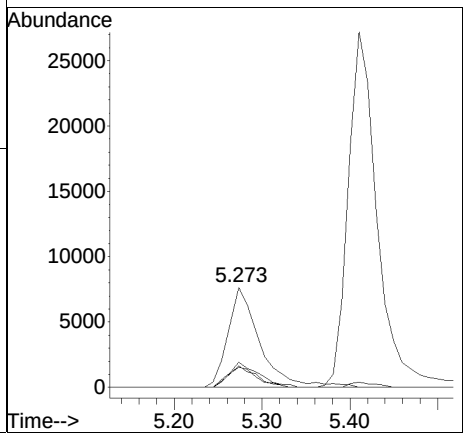


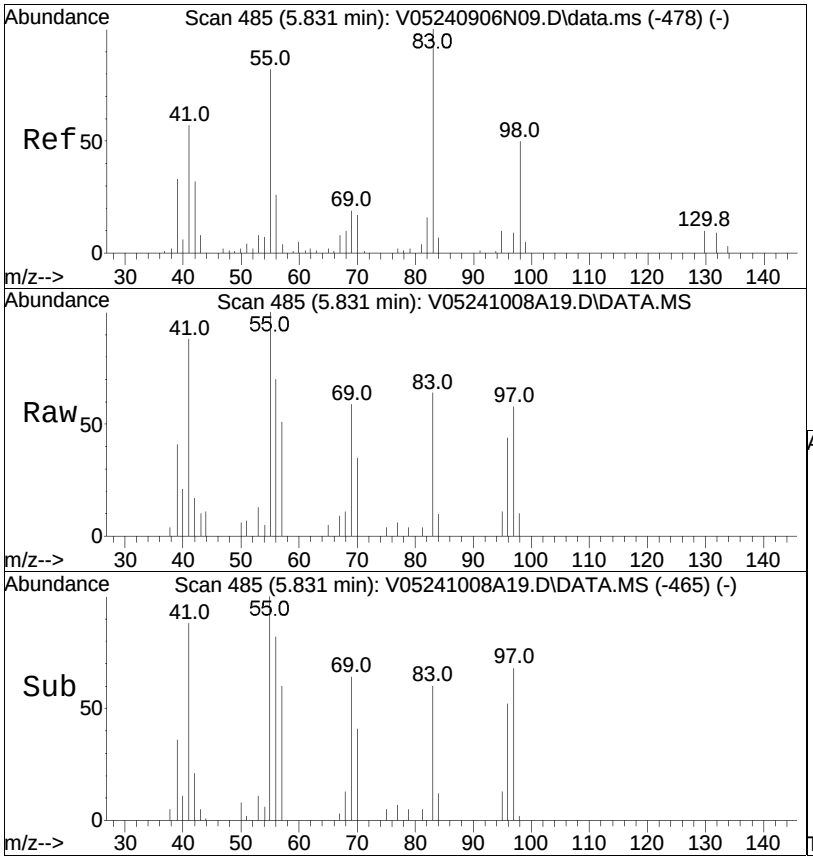


#41
Benzene
Concen: 0.48 ug/L
RT: 5.273 min Scan# 428
Delta R.T. 0.000 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion: 78 Resp: 19467

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.2	31.6
51	18.5	10.5	21.7
52	18.9	9.5	19.7

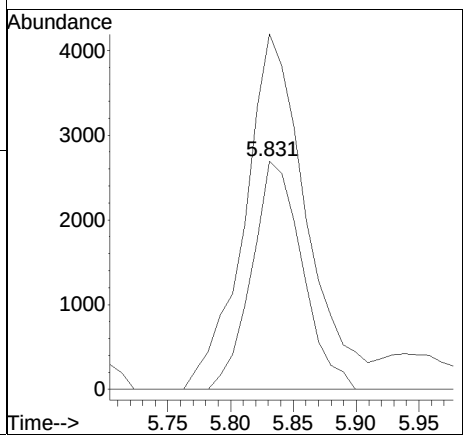


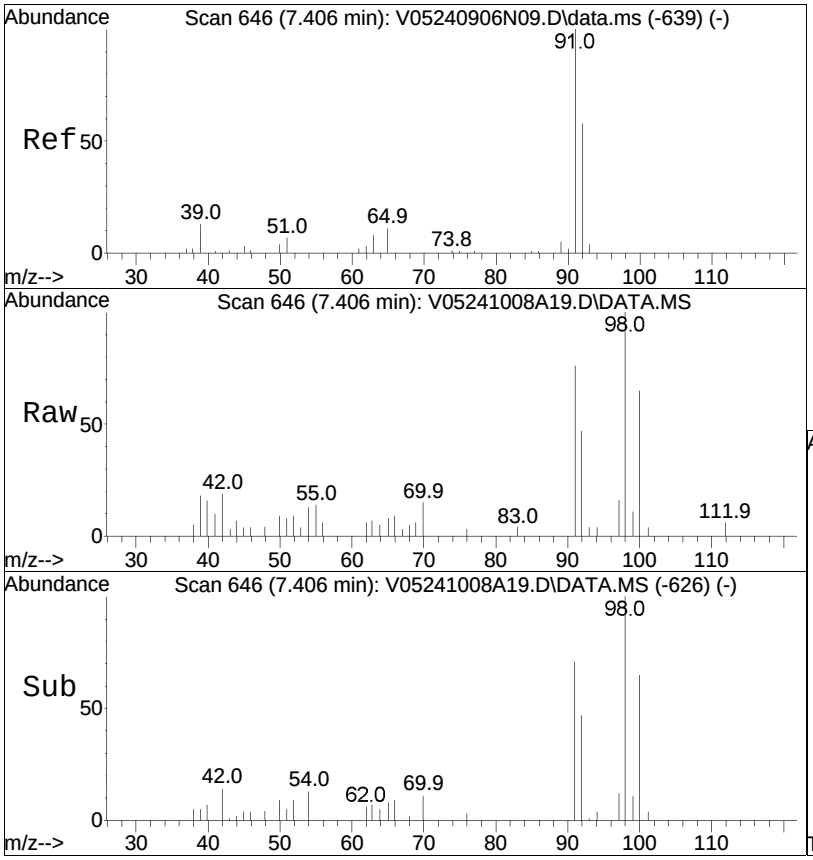


#47
Methyl cyclohexane
Concen: 0.41 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.000 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion: 83 Resp: 7547

Ion	Ratio	Lower	Upper
83	100		
55	190.4	57.3	85.9#

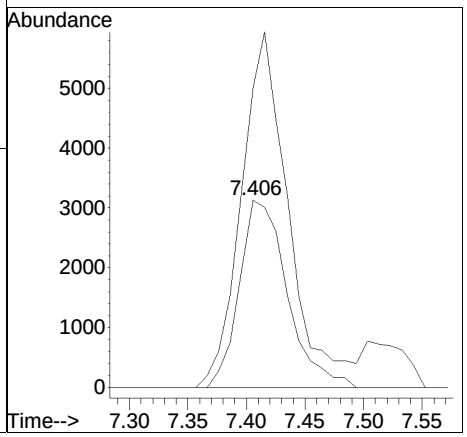


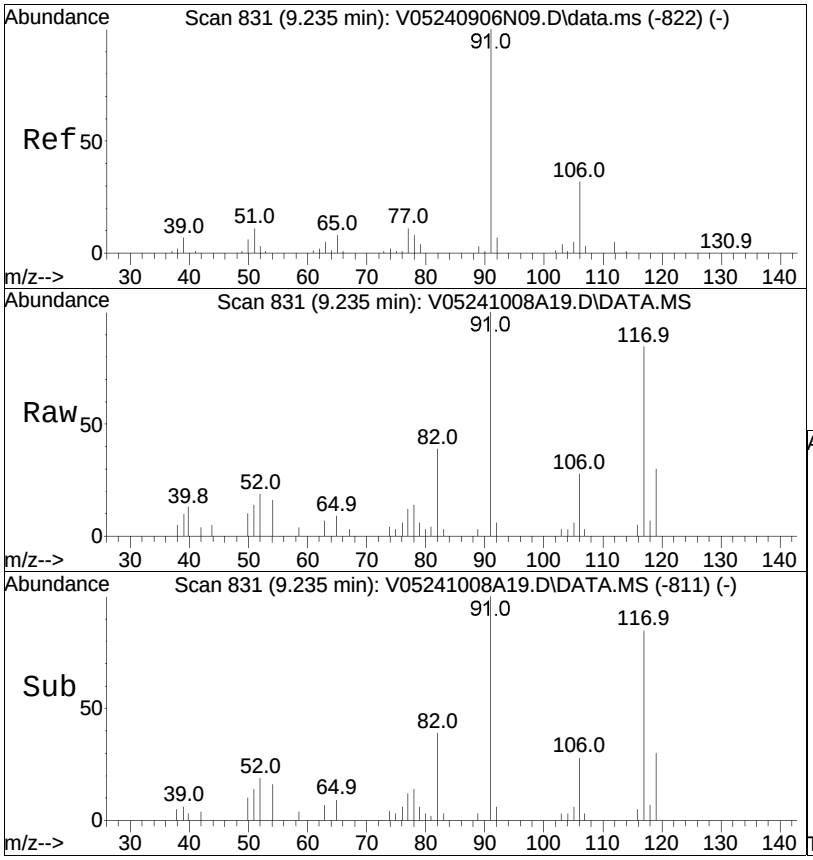


#61
Toluene
Concen: 0.34 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion: 92 Resp: 8900

Ion	Ratio	Lower	Upper
92	100		
91	187.0	135.2	202.8

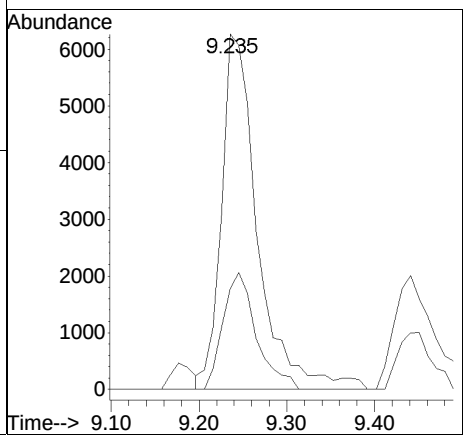


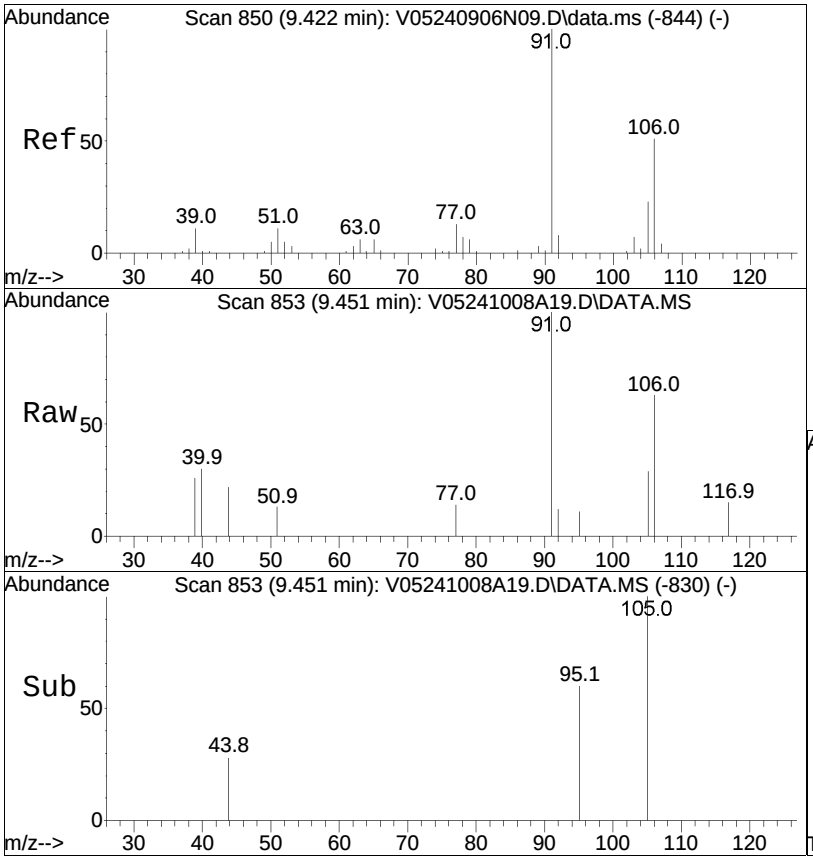


#74
Ethylbenzene
Concen: 0.34 ug/L
RT: 9.235 min Scan# 831
Delta R.T. 0.000 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion: 91 Resp: 17928

Ion	Ratio	Lower	Upper
91	100		
106	30.4	22.9	34.3

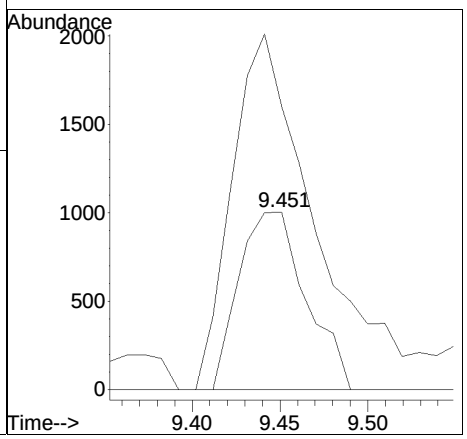


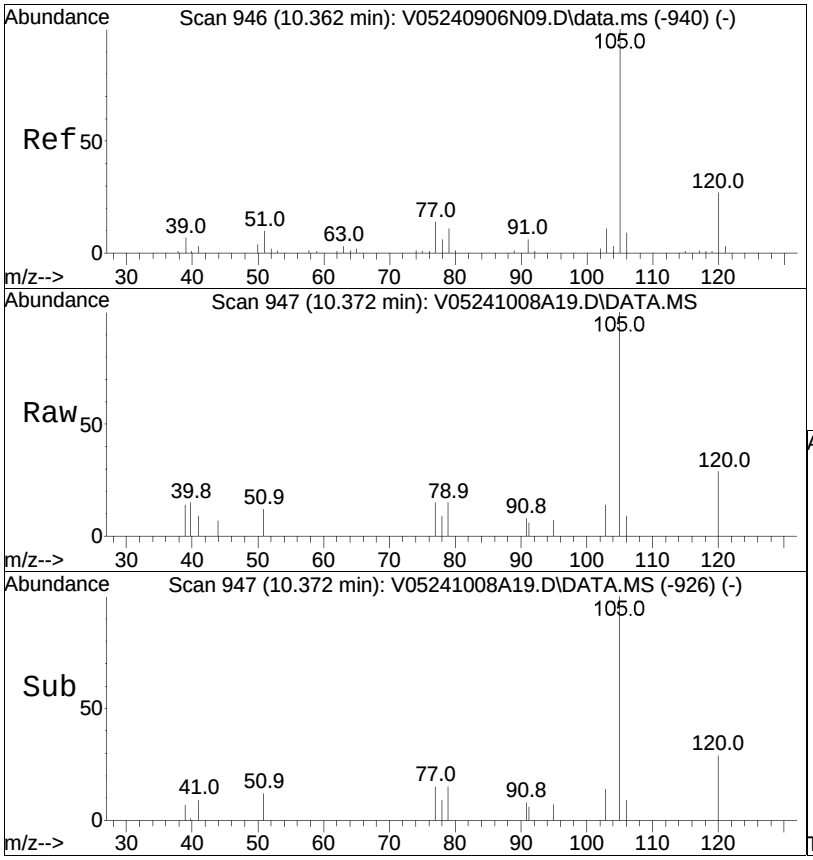


#76
p/m Xylene
Concen: 0.13 ug/L
RT: 9.451 min Scan# 853
Delta R.T. 0.029 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion:106 Resp: 2673

Ion	Ratio	Lower	Upper
106	100		
91	252.8	177.2	265.8

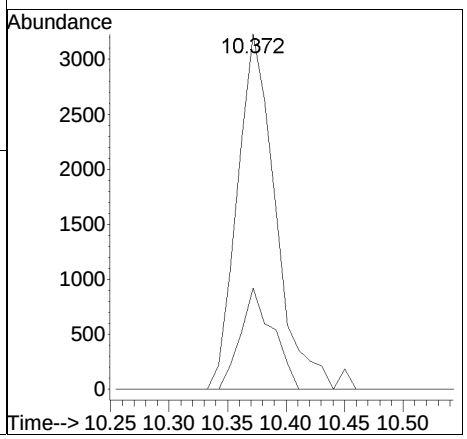


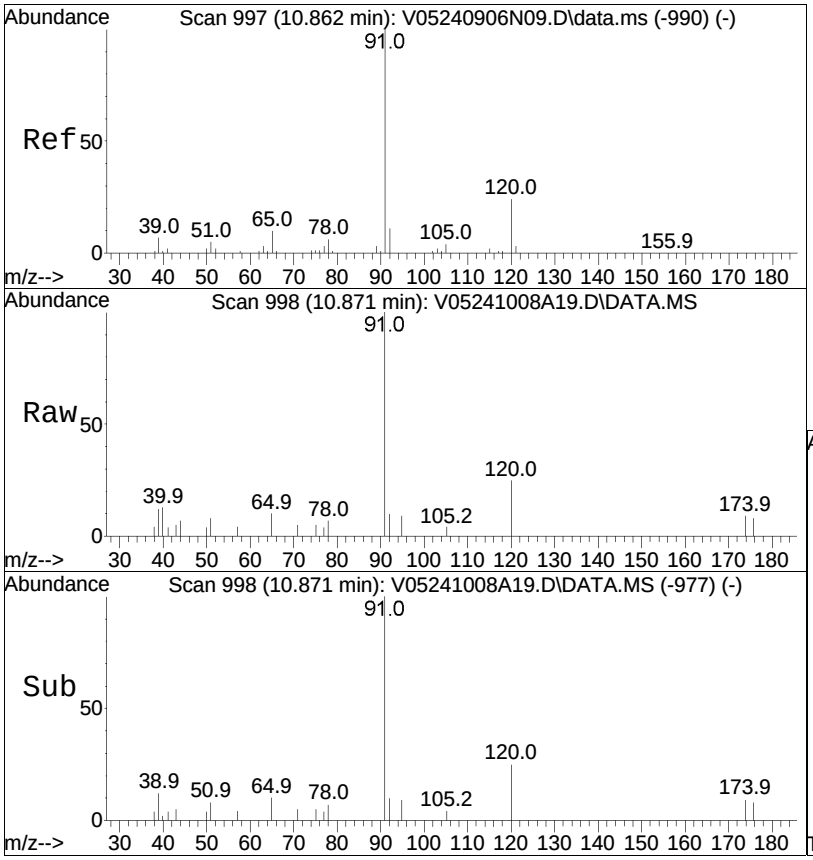


#82
Isopropylbenzene
Concen: 0.14 ug/L
RT: 10.372 min Scan# 947
Delta R.T. 0.010 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion:105 Resp: 7436

Ion	Ratio	Lower	Upper
105	100		
120	24.0	4.8	44.8

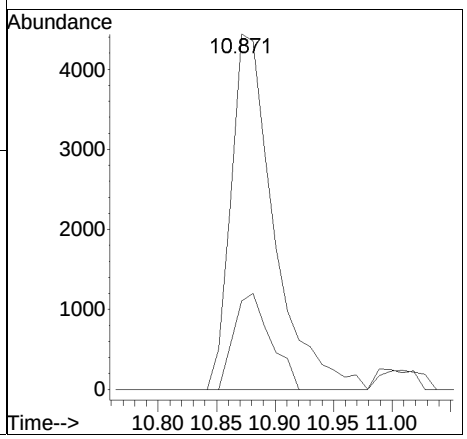


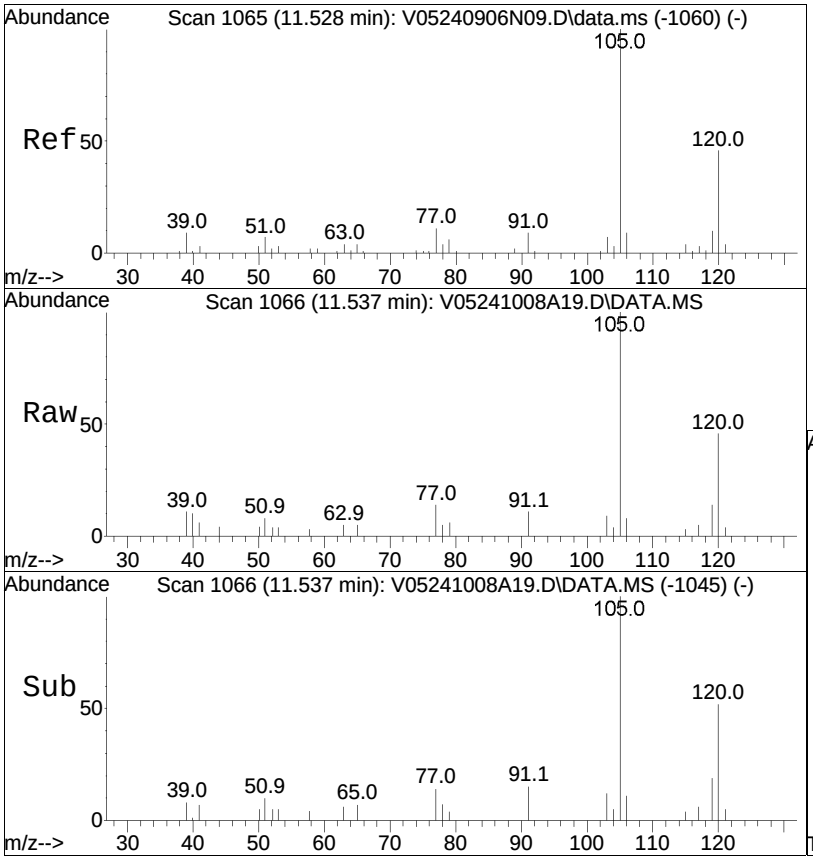


#85
n-Propylbenzene
Concen: 0.19 ug/L
RT: 10.871 min Scan# 998
Delta R.T. 0.009 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion: 91 Resp: 11379

Ion	Ratio	Lower	Upper
91	100		
120	23.2	17.3	25.9

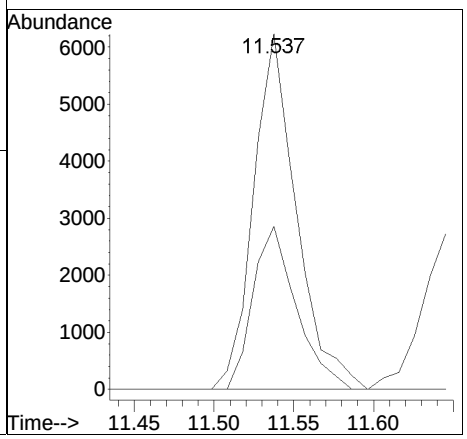


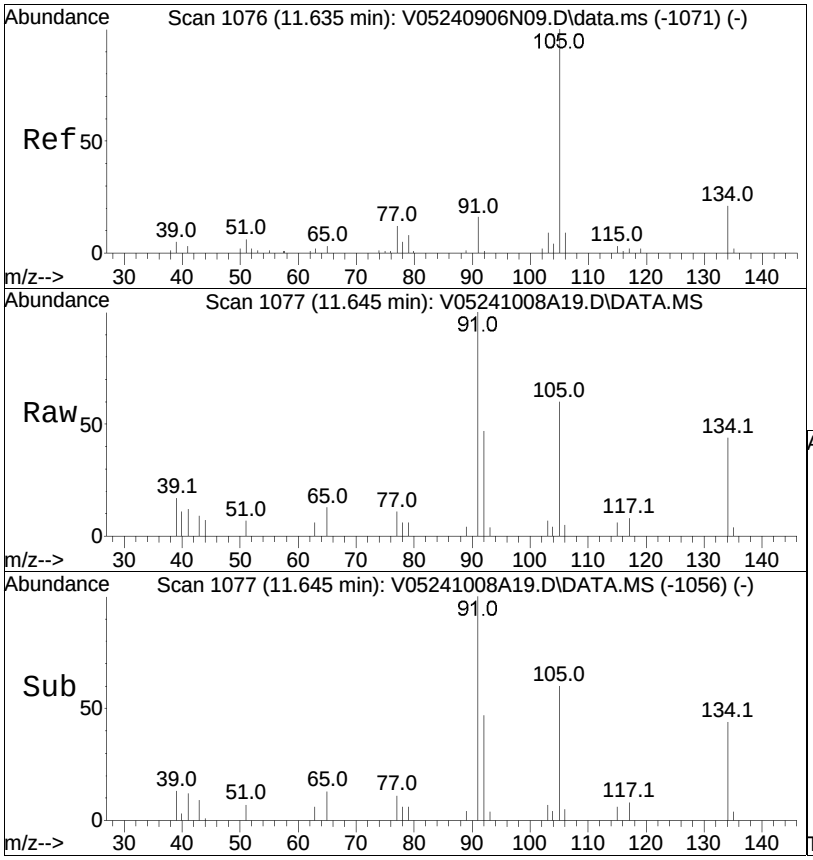


#97
1,2,4-Trimethylbenzene
Concen: 0.27 ug/L
RT: 11.537 min Scan# 1066
Delta R.T. 0.009 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion:105 Resp: 11678

Ion	Ratio	Lower	Upper
105	100		
120	46.4	34.4	51.6

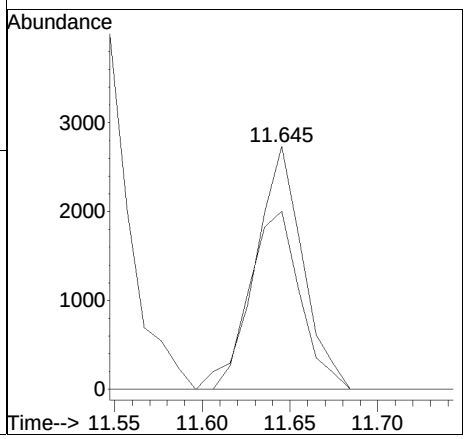


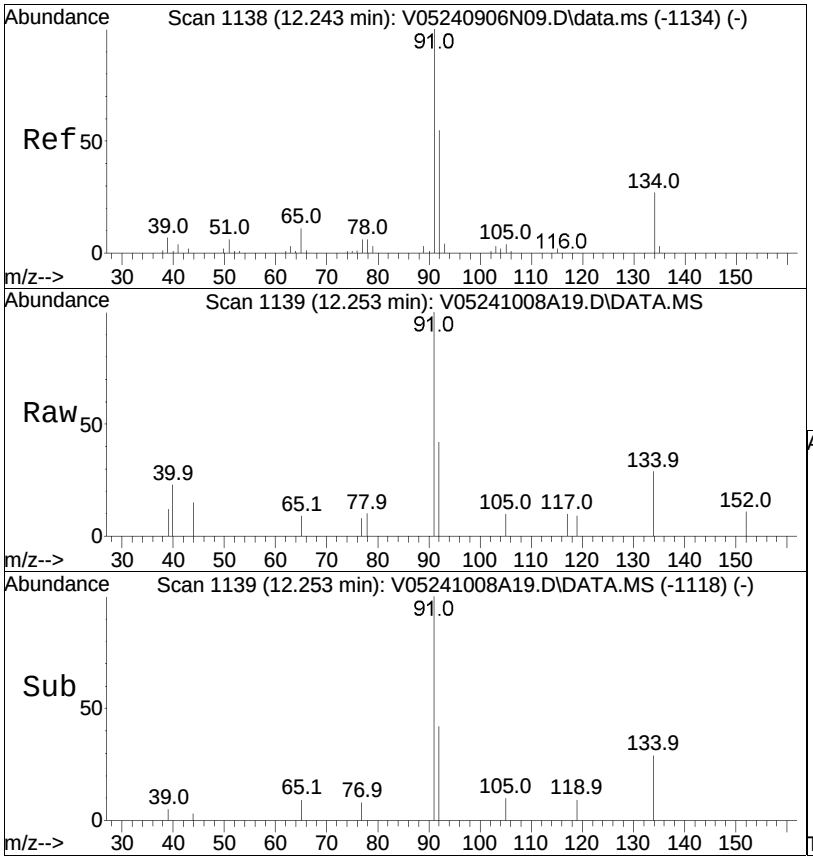


#98
sec-Butylbenzene
Concen: 0.09 ug/L
RT: 11.645 min Scan# 1077
Delta R.T. 0.010 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion:105 Resp: 5158

Ion	Ratio	Lower	Upper
105	100		
134	77.6	12.9	26.9#

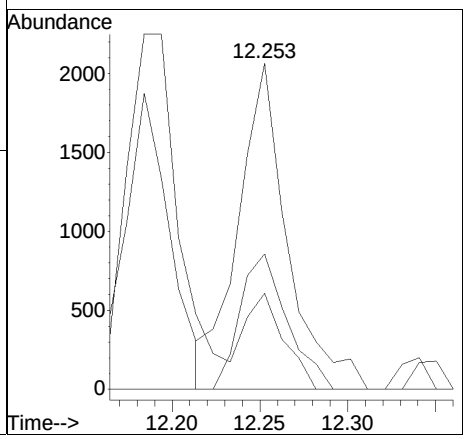


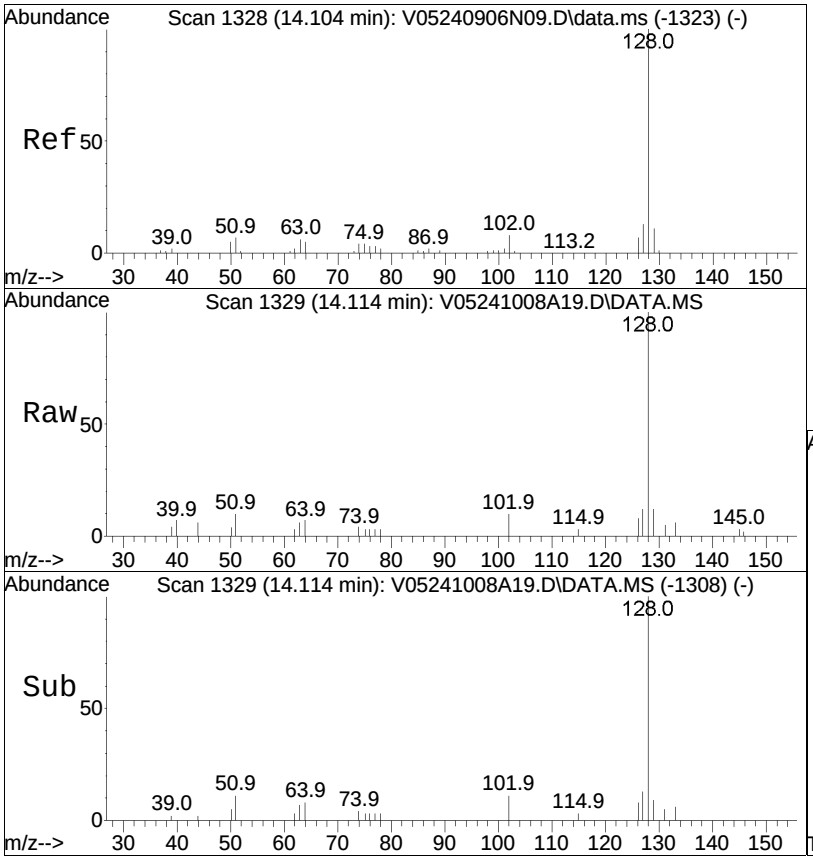


#103
n-Butylbenzene
Concen: 0.10 ug/L
RT: 12.253 min Scan# 1139
Delta R.T. 0.010 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

Tgt Ion: 91 Resp: 4047

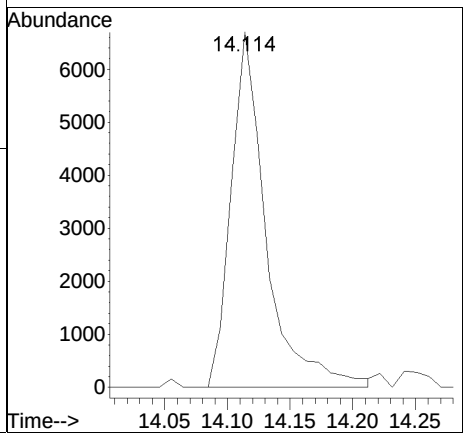
Ion	Ratio	Lower	Upper
91	100		
92	39.7	44.2	66.2#
134	23.0	20.2	30.2





#110
Naphthalene
Concen: 0.78 ug/L
RT: 14.114 min Scan# 1329
Delta R.T. 0.010 min
Lab File: V05241008A19.D
Acq: 8 Oct 2024 2:17 pm

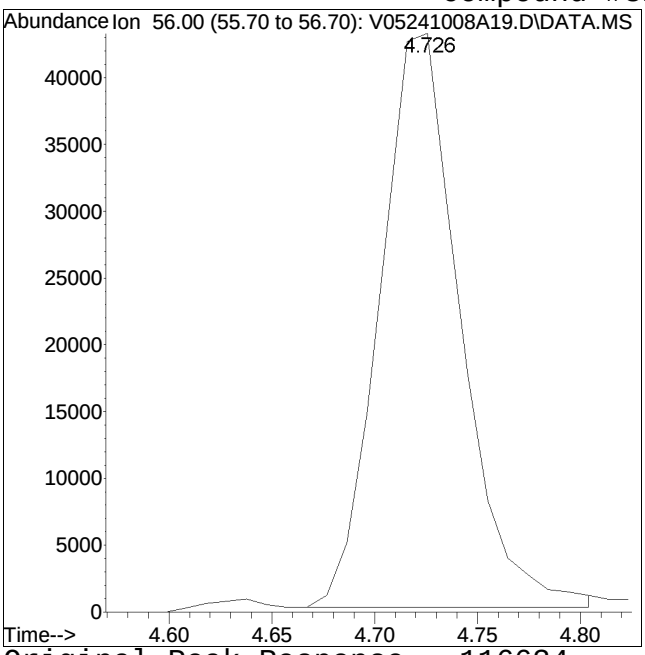
Tgt Ion:128 Resp: 13086

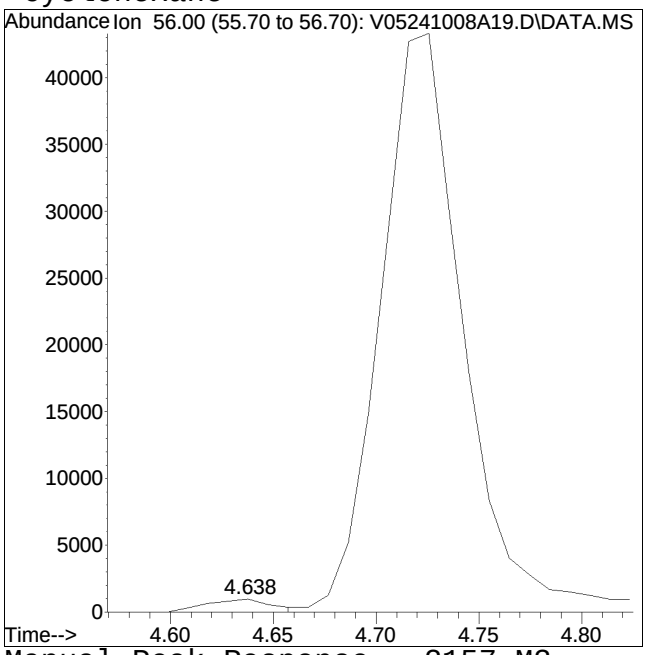


Manual Integration Report

Data Path	: K:\VOA105\2024\241008A\	QMethod	: V105_240906N_8260.m
Data File	: V05241008A19.D	Operator	: VOA105:MAG
Date Inj'd	: 10/8/2024 2:17 pm	Instrument	: VOA105
Sample	: l2457097-05,31,10,10,,a	Quant Date	: 10/8/2024 9:17 pm

Compound #31: Cyclohexane





Original Peak Response = 116634 Manual Peak Response = 2157 M3

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A10.D
Acq On : 9 Oct 2024 10:27 am
Operator : VOA105:PID
Sample : l2457097-06d2,31,4.0,10,,c (Sig #1); l2457097-06d,31,4.0,10,,c (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 12:38:44 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	517574	10.000	ug/L	0.00
Standard Area 1 = 452753			Recovery = 114.32%			
59) Chlorobenzene-d5	9.177	117	417024	10.000	ug/L	0.00
Standard Area 1 = 351916			Recovery = 118.50%			
79) 1,4-Dichlorobenzene-d4	11.949	152	250265	10.000	ug/L	0.00
Standard Area 1 = 226621			Recovery = 110.43%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	139161	9.621	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.21%			
43) 1,2-Dichloroethane-d4	5.410	65	155265	10.383	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.83%			
60) Toluene-d8	7.347	98	508058	10.087	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.87%			
83) 4-Bromofluorobenzene	10.715	95	185509	10.683	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.361	85	367	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.026	94	683	0.110	ug/L	100
6) Chloroethane	2.114	64	1574	Below Cal		97
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.730	96	90	N.D.		
11) Carbon disulfide	2.750	76	920	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.259	84	2138	0.189	ug/L #	33
17) Acetone	3.337	43	2554	1.044	ug/L #	89
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D. d		
28) cis-1,2-Dichloroethene	4.471	96	1741	0.136	ug/L #	62
31) Cyclohexane	4.638	56	169183	8.548	ug/L	82
32) Chloroform	0.000		0	N.D. d		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A10.D
Acq On : 9 Oct 2024 10:27 am
Operator : VOA105:PID
Sample : l2457097-06d2,31,4.0,10,,c (Sig #1); l2457097-06d,31,4.0,10,,c (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 12:38:44 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.	
39) 2-Butanone	0.000		0	N.D. d	
41) Benzene	5.273	78	13043	0.299 ug/L #	83
44) 1,2-Dichloroethane	5.479	62	383	N.D.	
47) Methyl cyclohexane	5.831	83	44609	2.231 ug/L #	49
48) Trichloroethene	0.000		0	N.D. d	
51) 1,2-Dichloropropane	0.000		0	N.D. d	
54) Bromodichloromethane	6.418	83	90	N.D.	
58) cis-1,3-Dichloropropene	0.000		0	N.D.	
61) Toluene	7.406	92	206664	7.059 ug/L	96
62) 4-Methyl-2-pentanone	0.000		0	N.D.	
63) Tetrachloroethene	0.000		0	N.D.	
65) trans-1,3-Dichloropropene	0.000		0	N.D.	
68) 1,1,2-Trichloroethane	0.000		0	N.D. d	
69) Chlorodibromomethane	0.000		0	N.D.	
71) 1,2-Dibromoethane	0.000		0	N.D.	
72) 2-Hexanone	0.000		0	N.D. d	
73) Chlorobenzene	0.000		0	N.D.	
74) Ethylbenzene	9.226	91	23067075	394.561 ug/L #	82
76) p/m Xylene	9.431	106	23287101	1031.486 ug/L #	1
77) o Xylene	9.960	106	623838	29.169 ug/L	86
78) Styrene	10.058	104	6067	0.171 ug/L	86
80) Bromoform	0.000		0	N.D.	
82) Isopropylbenzene	10.362	105	428770	7.408 ug/L	95
85) n-Propylbenzene	10.862	91	2230042	32.974 ug/L	92
87) 1,1,2,2-Tetrachloroethane	10.989	83	112	N.D.	
90) 1,3,5-Trimethylbenzene	11.097	105	5974070	120.131 ug/L	94
94) tert-Butylbenzene	0.000		0	N.D. d	
97) 1,2,4-Trimethylbenzene	11.528	105	20605289	432.609 ug/L #	66
98) sec-Butylbenzene	0.000		0	N.D. d	
99) p-Isopropyltoluene	11.802	119	25359M3	0.462 ug/L	
100) 1,3-Dichlorobenzene	0.000		0	N.D.	
101) 1,4-Dichlorobenzene	0.000		0	N.D.	
103) n-Butylbenzene	12.243	91	50643M3	1.121 ug/L	
104) 1,2-Dichlorobenzene	0.000		0	N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
109) 1,2,4-Trichlorobenzene	13.820	180	97	N.D.	
110) Naphthalene	14.104	128	11999358	316.017 ug/L	100

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A10.D
Acq On : 9 Oct 2024 10:27 am
Operator : VOA105:PID
Sample : l2457097-06d2,31,4.0,10,,c (Sig #1); l2457097-06d,31,4.0,10,,c (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 12:38:44 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

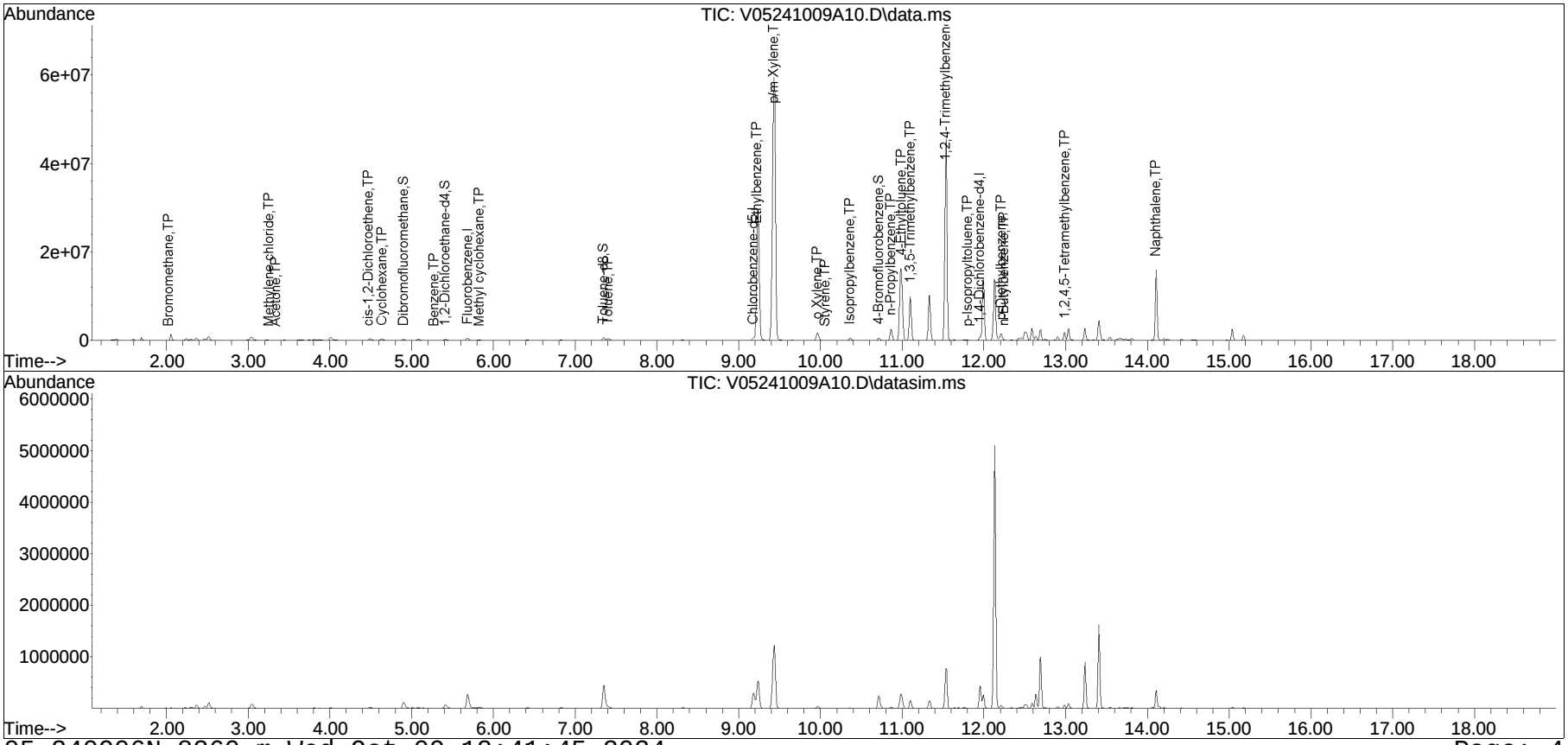
(#) = qualifier out of range (m) = manual integration (+) = signals summed

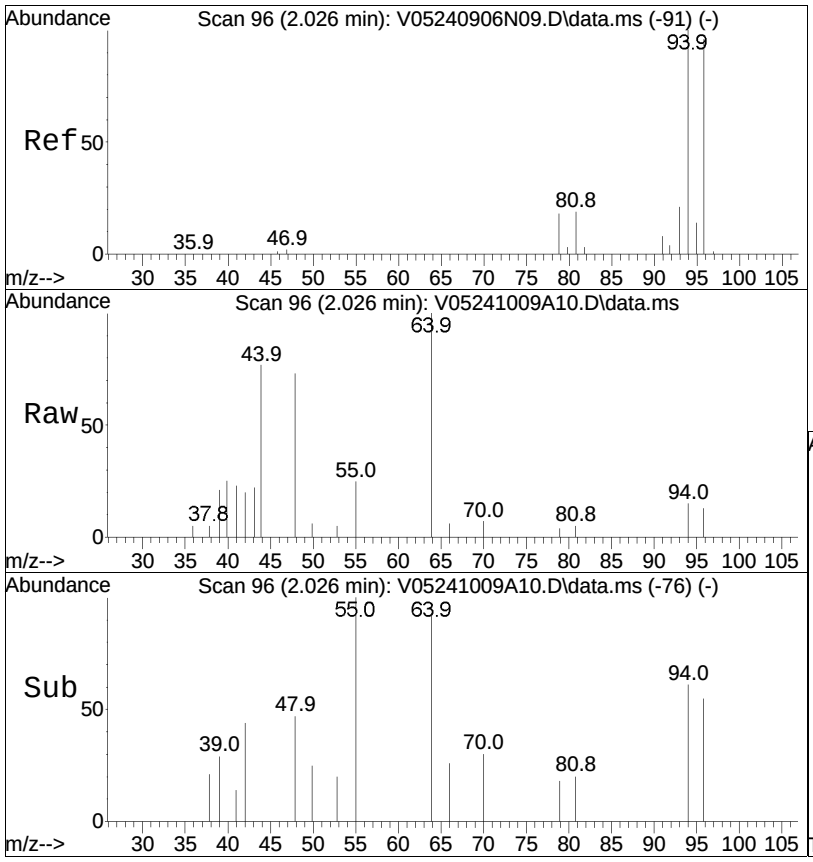
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A10.D
Acq On : 9 Oct 2024 10:27 am
Operator : VOA105:PID
Sample : l2457097-06d2,31,4.0,10,,c (Sig #1); l2457097-06d,31,4.0,10,,c (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 12:38:44 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

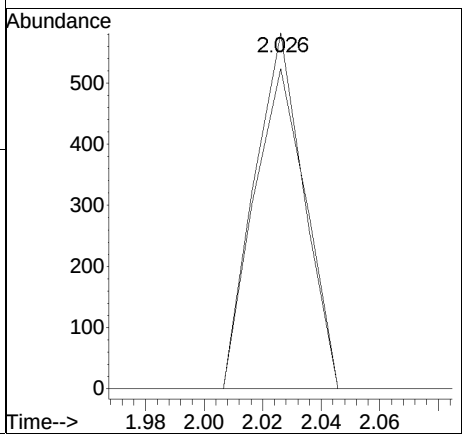


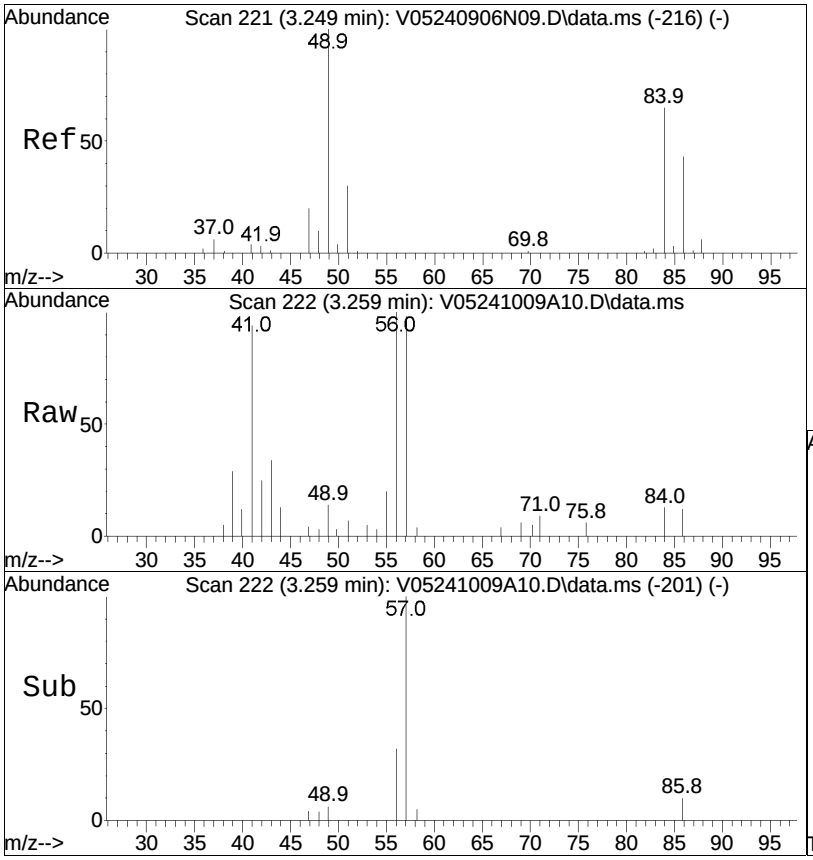


#5
Bromomethane
Concen: 0.11 ug/L
RT: 2.026 min Scan# 96
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 94 Resp: 683

Ion	Ratio	Lower	Upper
94	100		
96	95.3	75.4	115.4

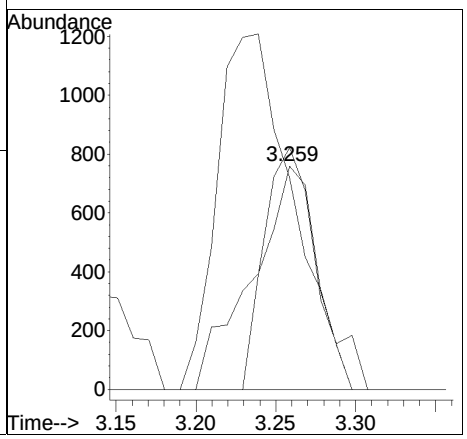


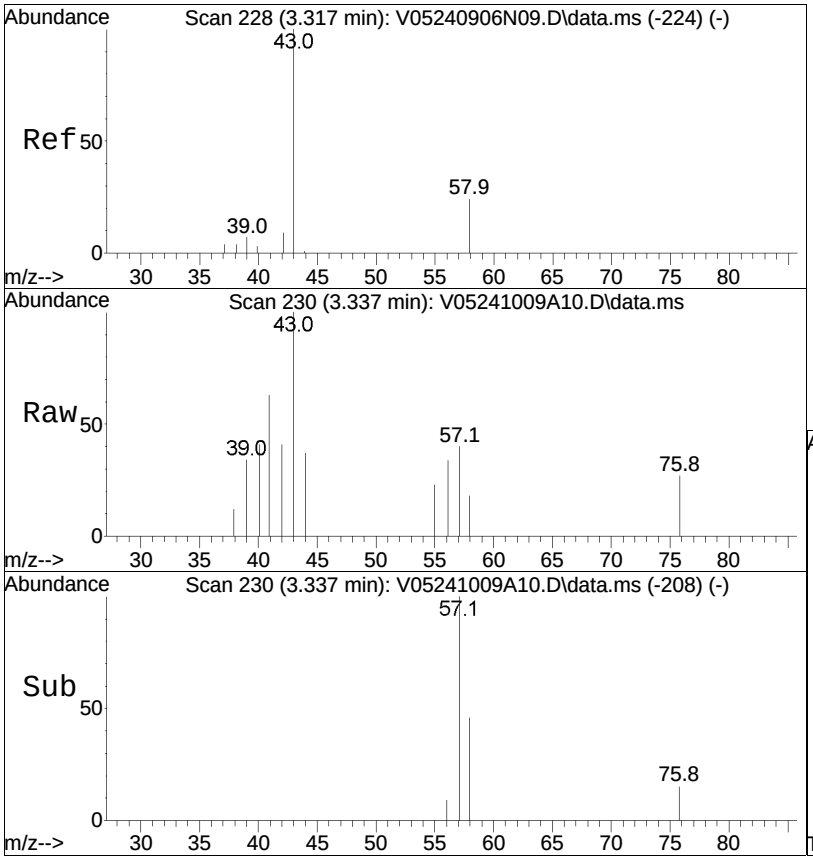


#15
Methylene chloride
Concen: 0.19 ug/L
RT: 3.259 min Scan# 222
Delta R.T. 0.010 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 84 Resp: 2138

Ion	Ratio	Lower	Upper
84	100		
86	183.5	42.1	87.5#
49	89.4	69.3	143.9

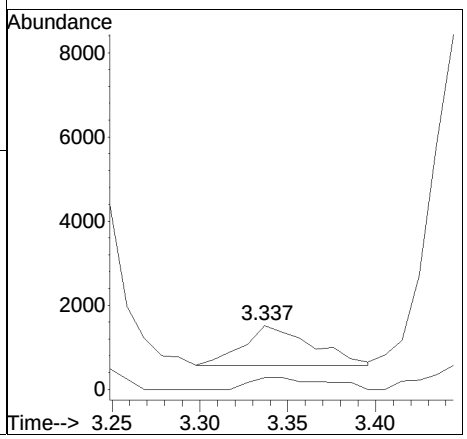


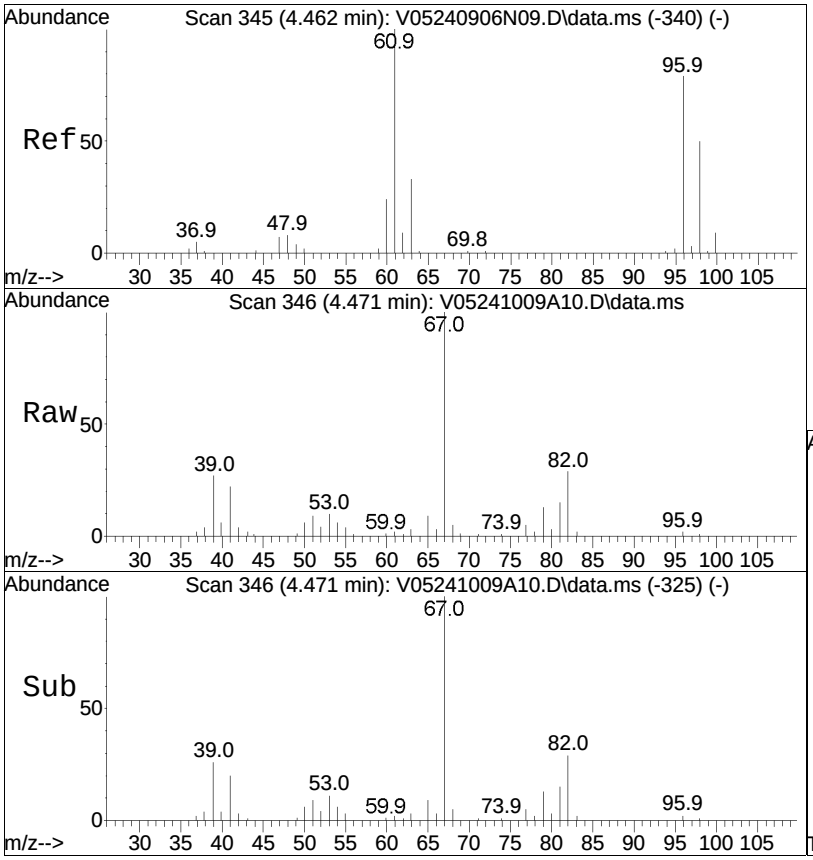


#17
Acetone
Concen: 1.04 ug/L
RT: 3.337 min Scan# 230
Delta R.T. 0.020 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 43 Resp: 2554

Ion	Ratio	Lower	Upper
43	100		
58	33.2	22.0	33.0#

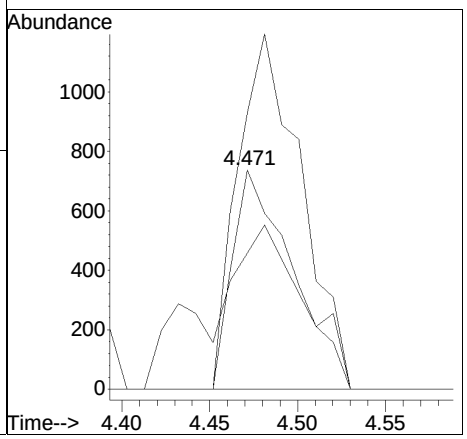


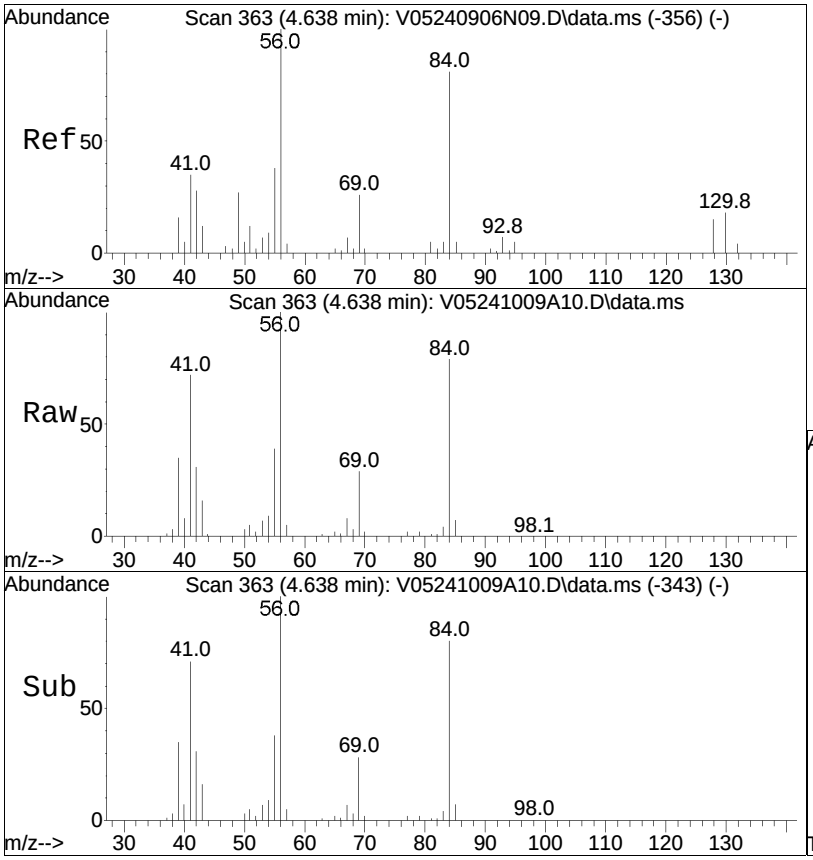


#28
cis-1,2-Dichloroethene
Concen: 0.14 ug/L
RT: 4.471 min Scan# 346
Delta R.T. 0.009 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 96 Resp: 1741

Ion	Ratio	Lower	Upper
96	100		
61	172.7	100.5	150.7#
98	87.7	49.8	74.8#

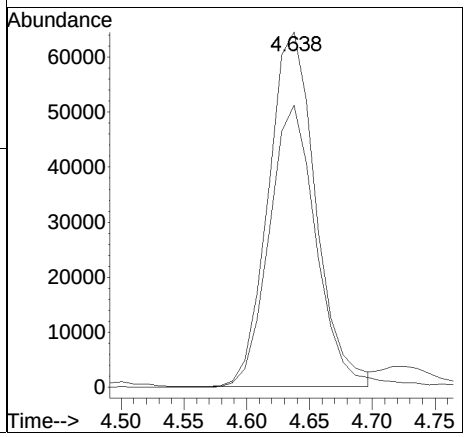


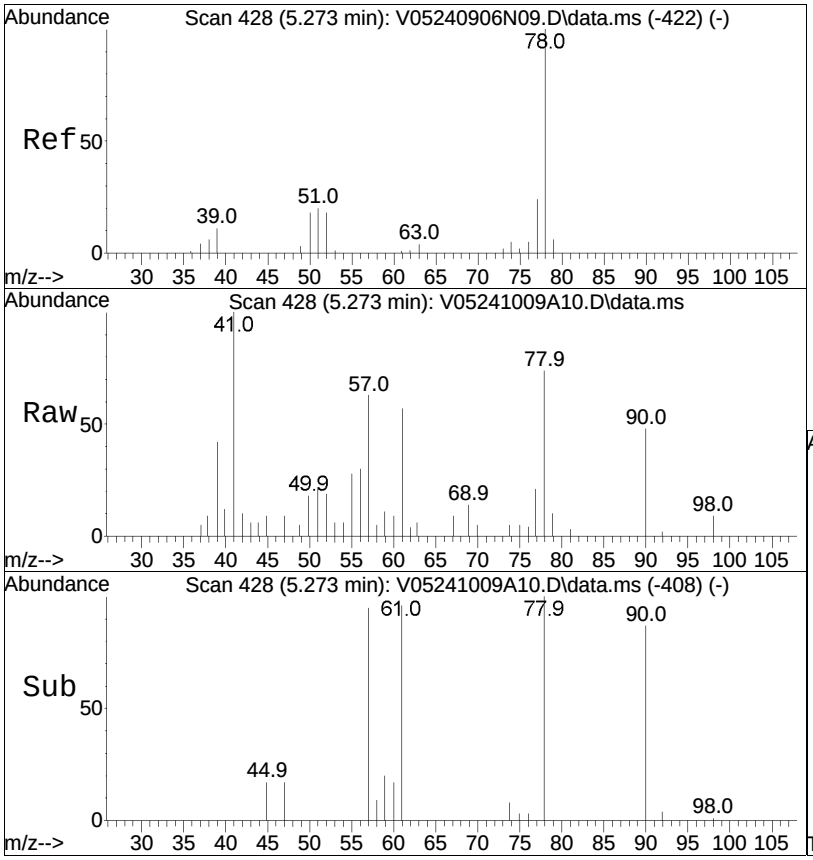


#31
Cyclohexane
Concen: 8.55 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 56 Resp: 169183

Ion	Ratio	Lower	Upper
56	100		
84	81.0	64.4	133.8

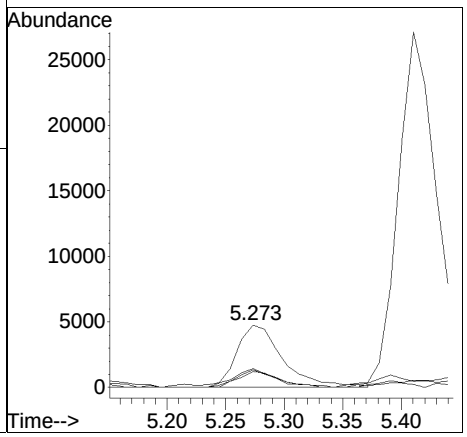


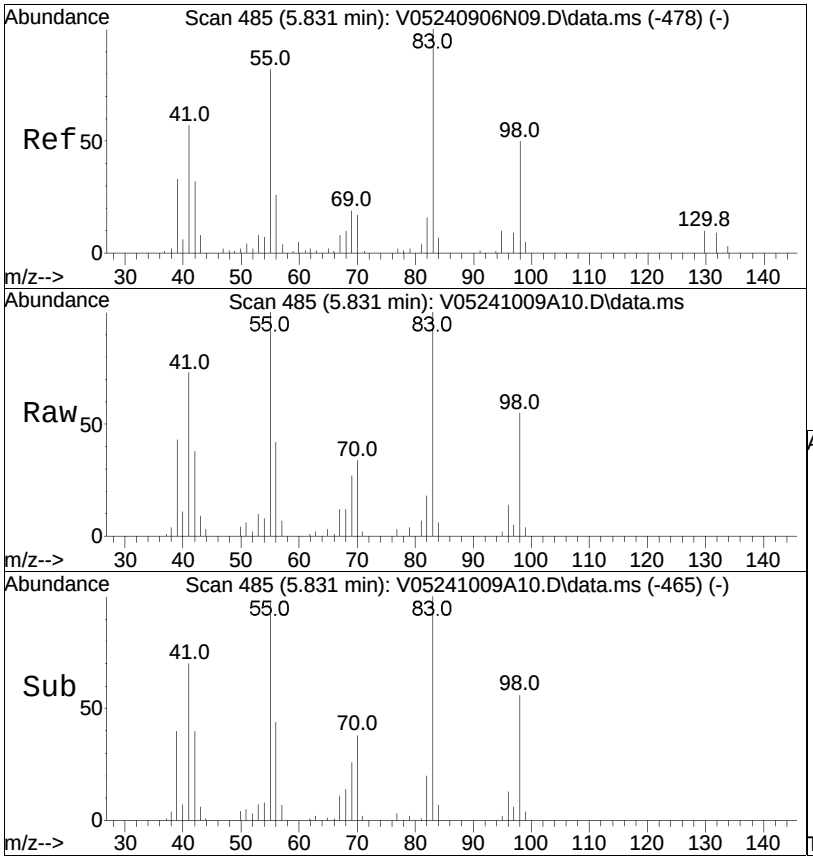


#41
Benzene
Concen: 0.30 ug/L
RT: 5.273 min Scan# 428
Delta R.T. 0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 78 Resp: 13043

Ion	Ratio	Lower	Upper
78	100		
77	24.8	15.2	31.6
51	30.9	10.5	21.7#
52	23.1	9.5	19.7#

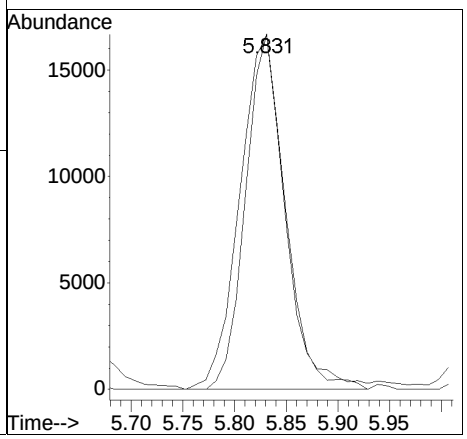


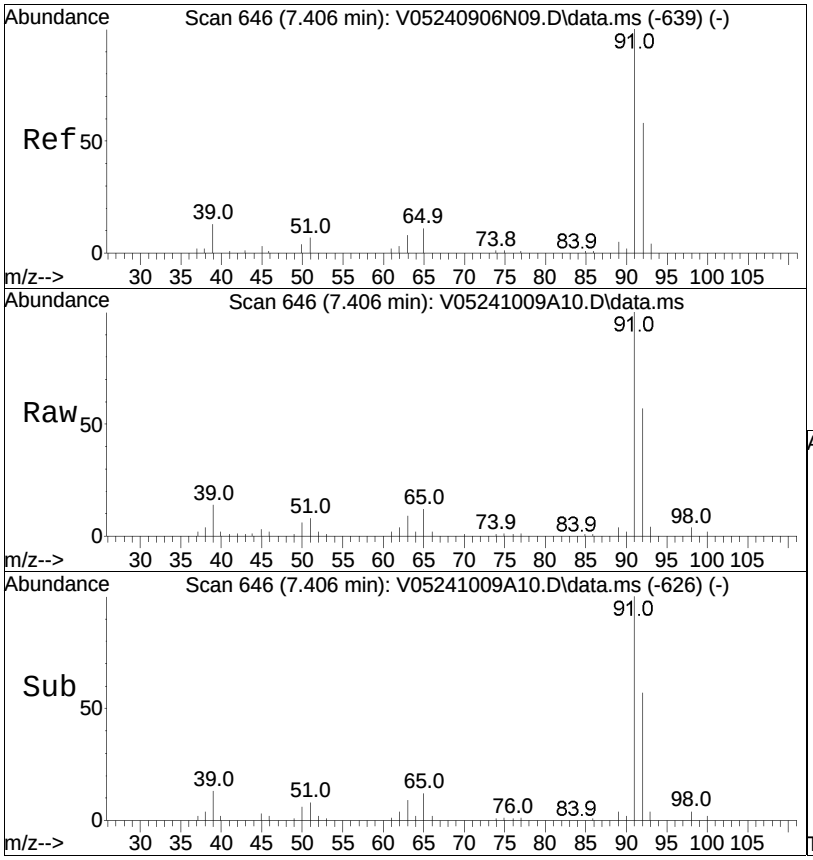


#47
Methyl cyclohexane
Concen: 2.23 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 83 Resp: 44609

Ion	Ratio	Lower	Upper
83	100		
55	113.7	57.3	85.9#

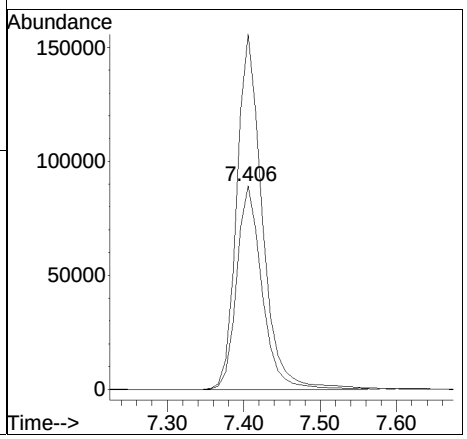


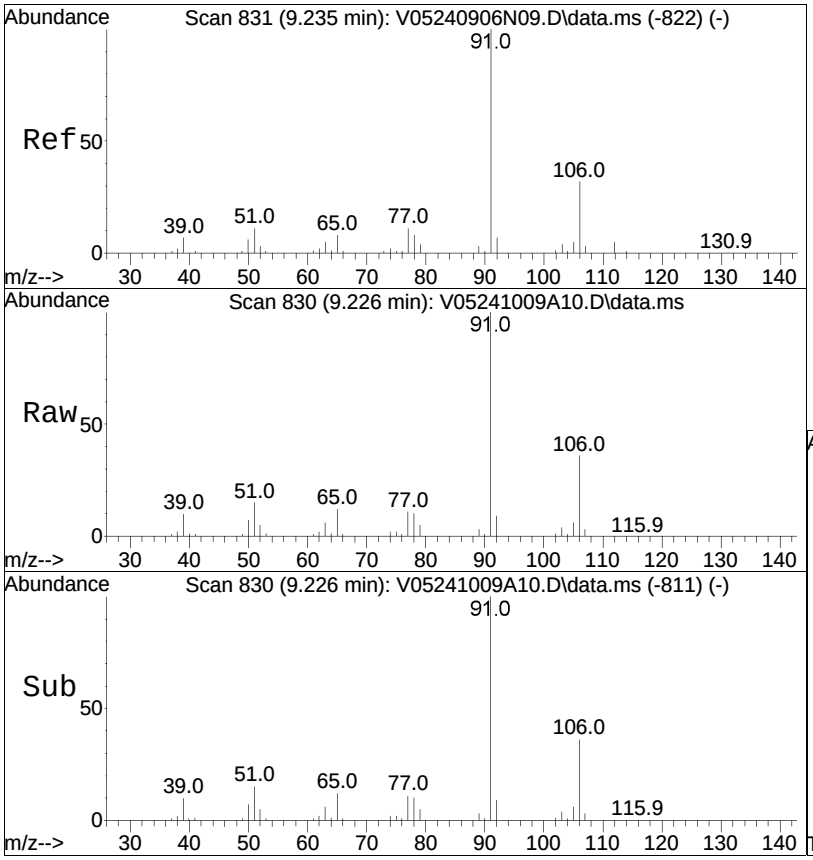


#61
Toluene
Concen: 7.06 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 92 Resp: 206664

Ion	Ratio	Lower	Upper
92	100		
91	174.4	135.2	202.8

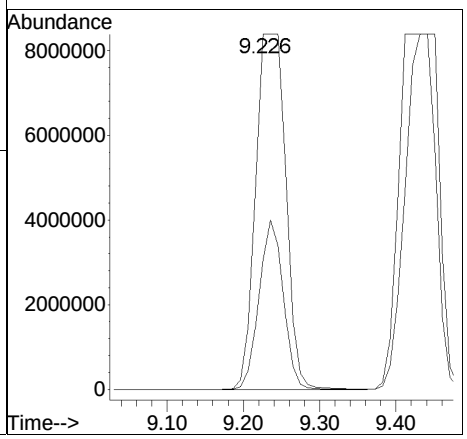


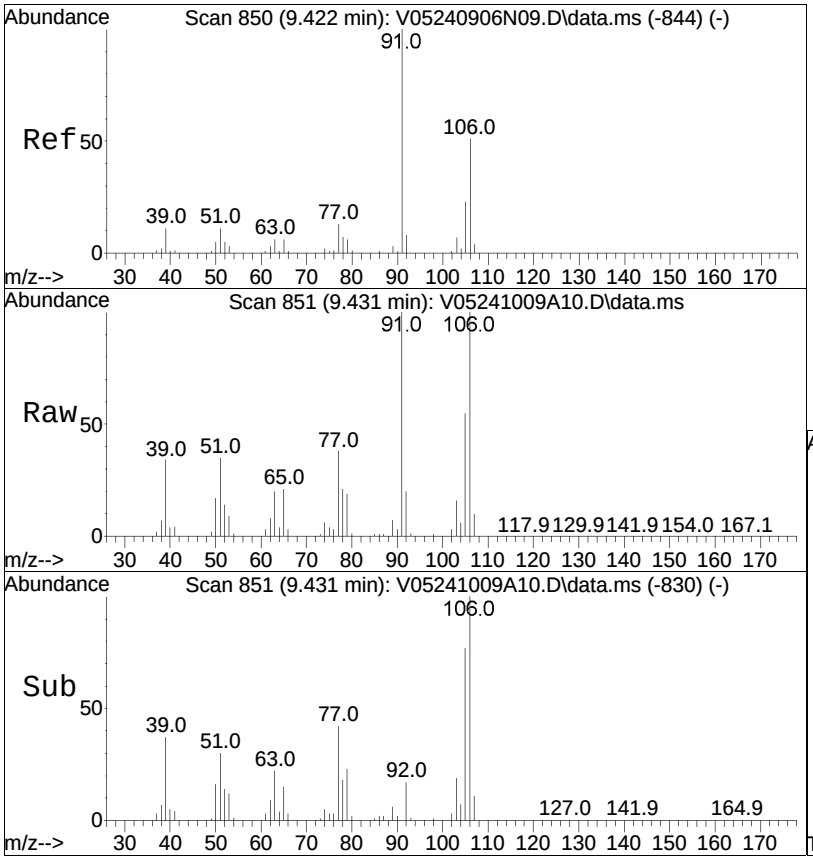


#74
Ethylbenzene
Concen: 394.56 ug/L
RT: 9.226 min Scan# 830
Delta R.T. -0.009 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 91 Resp:23067075

Ion	Ratio	Lower	Upper
91	100		
106	38.2	22.9	34.3#

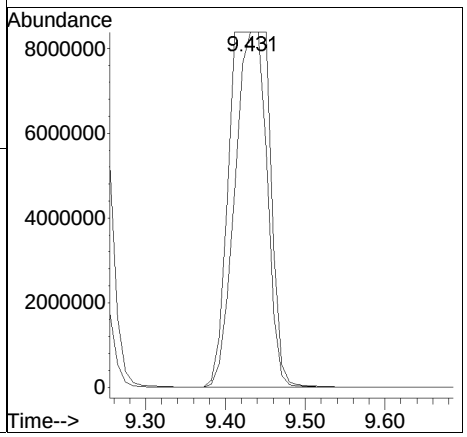


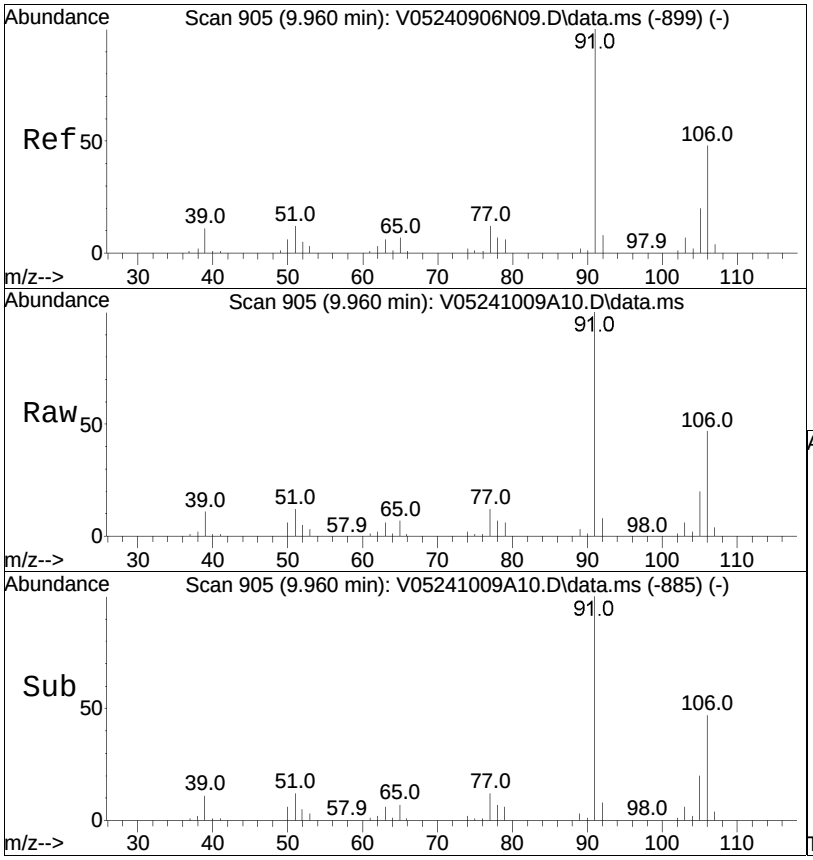


#76
p/m Xylene
Concen: 1031.49 ug/L
RT: 9.431 min Scan# 851
Delta R.T. 0.009 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion:106 Resp:23287101

Ion	Ratio	Lower	Upper
106	100		
91	0.0	177.2	265.8#

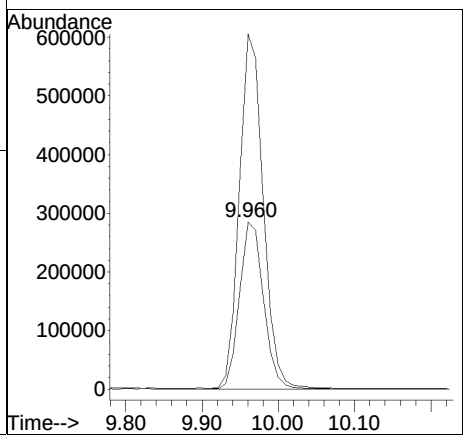


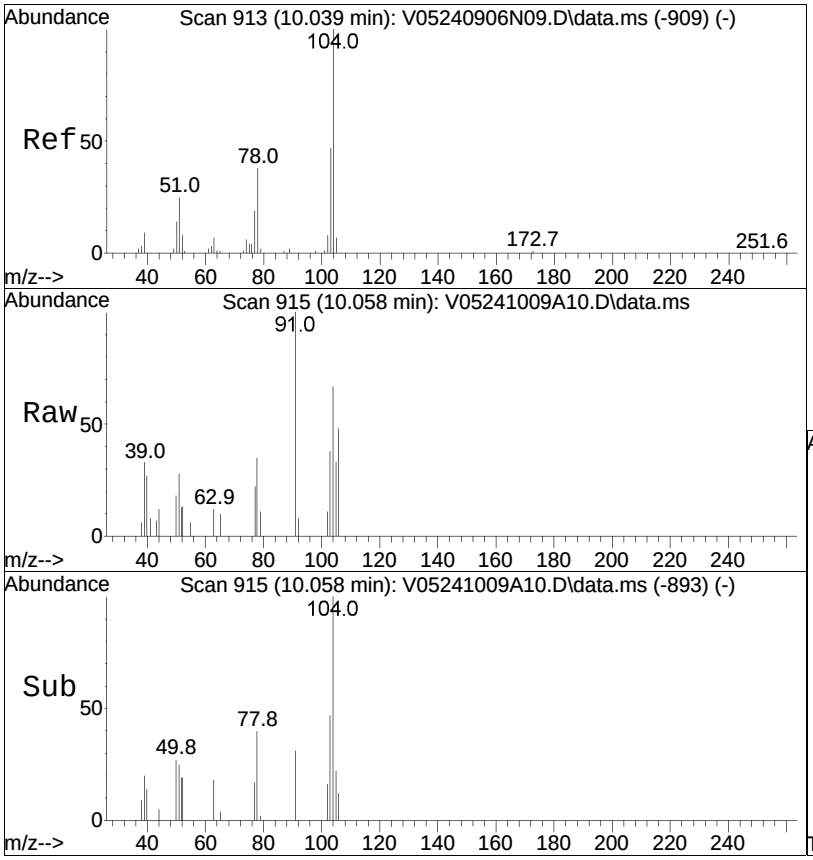


#77
o Xylene
Concen: 29.17 ug/L
RT: 9.960 min Scan# 905
Delta R.T. 0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion:106 Resp: 623838

Ion	Ratio	Lower	Upper
106	100		
91	209.7	187.0	280.6

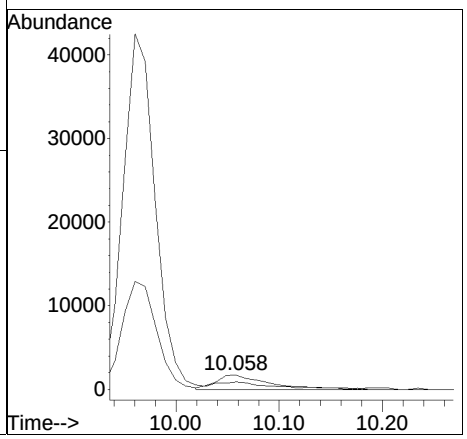


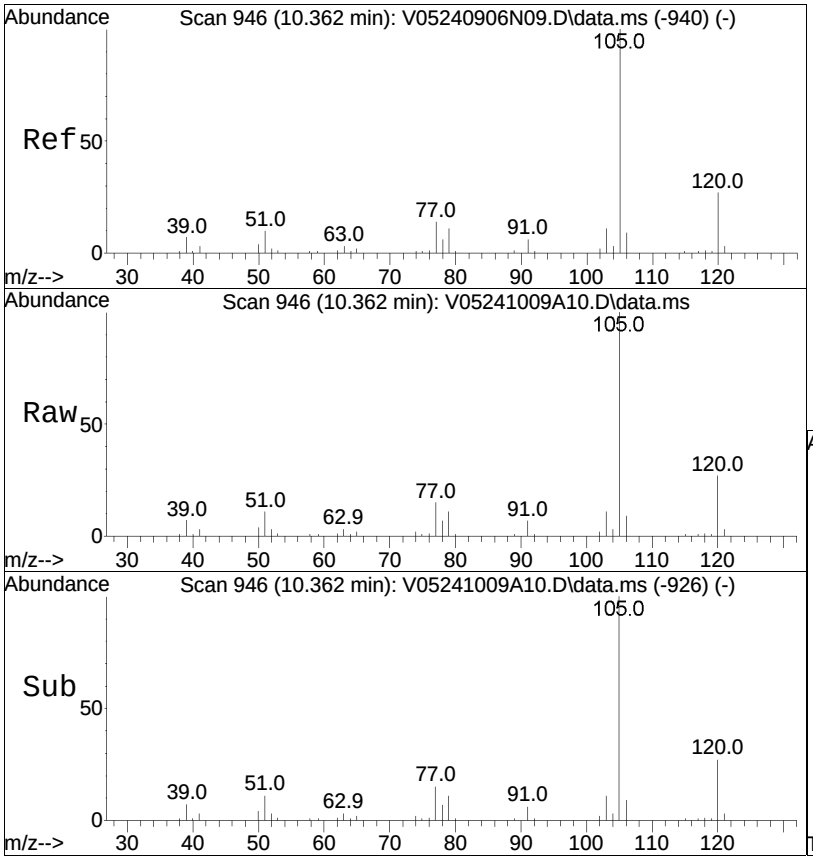


#78
Styrene
Concen: 0.17 ug/L
RT: 10.058 min Scan# 915
Delta R.T. 0.019 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion:104 Resp: 6067

Ion	Ratio	Lower	Upper
104	100		
78	58.9	39.6	59.4

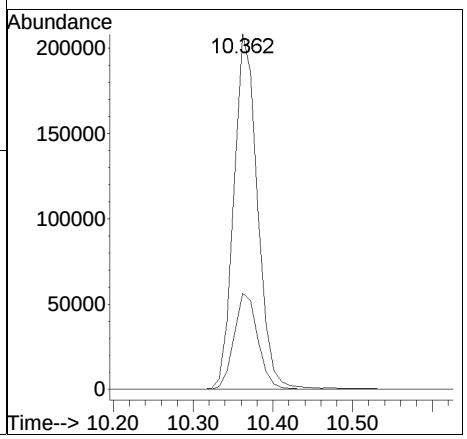


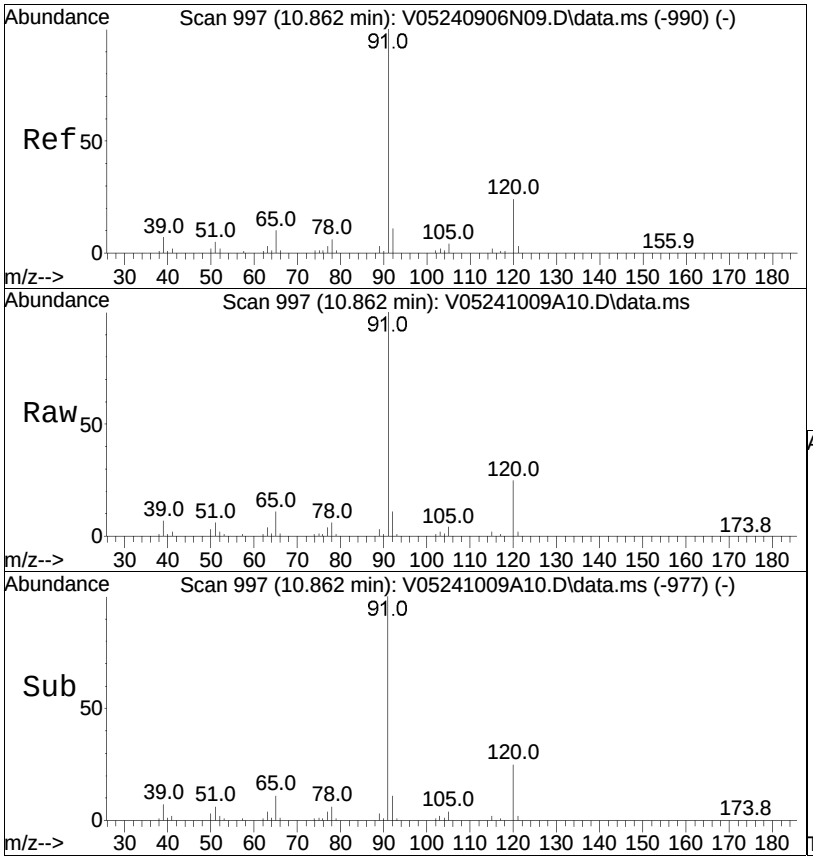


#82
Isopropylbenzene
Concen: 7.41 ug/L
RT: 10.362 min Scan# 946
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion:105 Resp: 428770

Ion	Ratio	Lower	Upper
105	100		
120	27.4	4.8	44.8

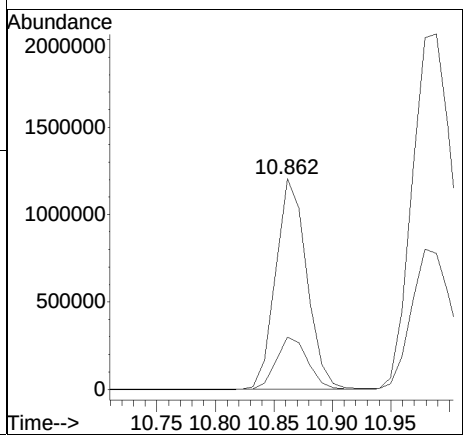


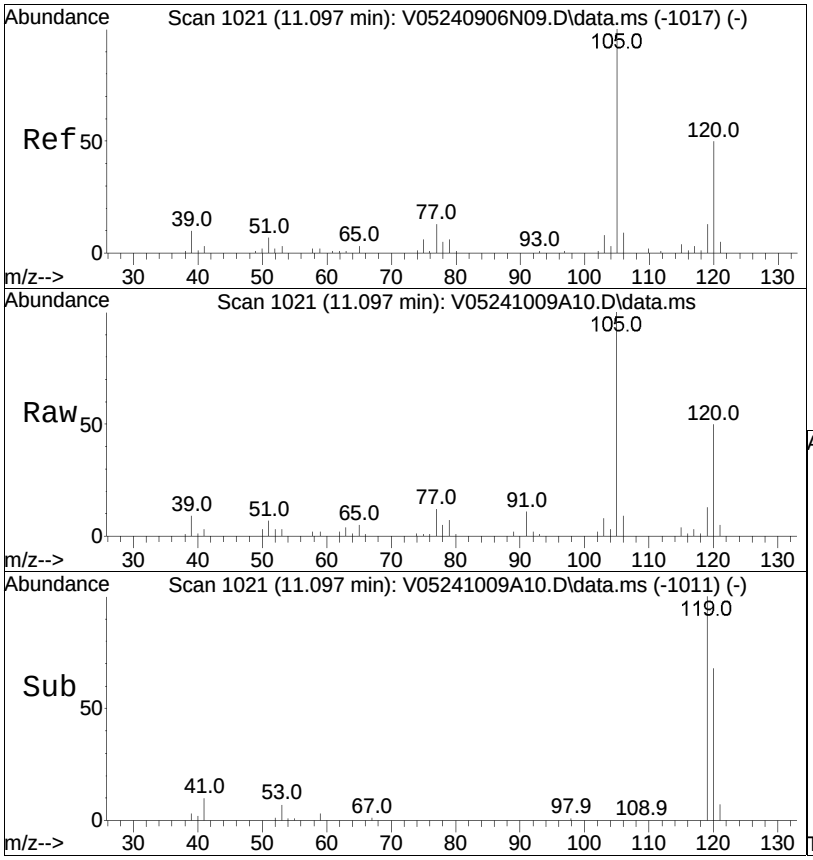


#85
n-Propylbenzene
Concen: 32.97 ug/L
RT: 10.862 min Scan# 997
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 91 Resp: 2230042

Ion	Ratio	Lower	Upper
91	100		
120	25.2	17.3	25.9

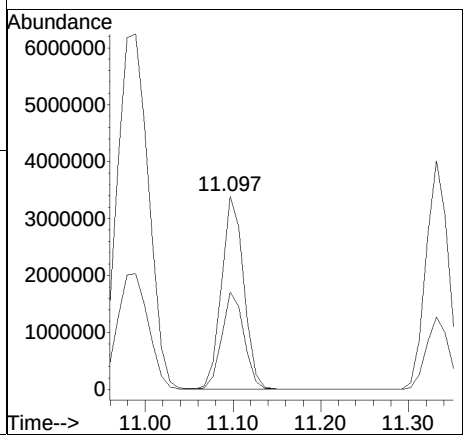


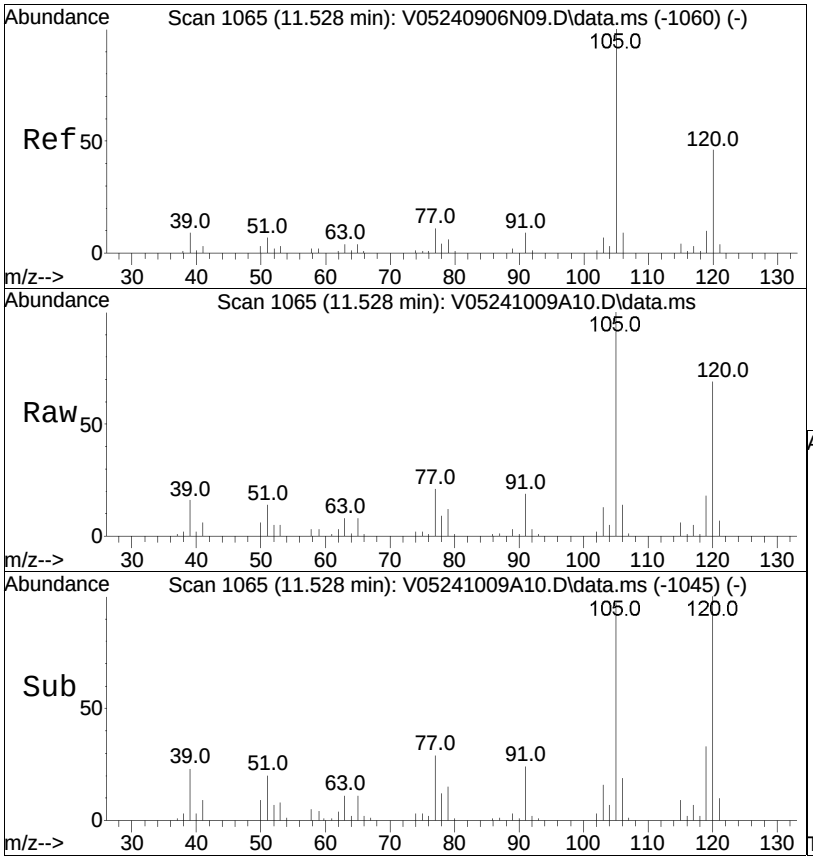


#90
1,3,5-Trimethylbenzene
Concen: 120.13 ug/L
RT: 11.097 min Scan# 1021
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion:105 Resp: 5974070

Ion	Ratio	Lower	Upper
105	100		
120	50.5	37.0	55.6

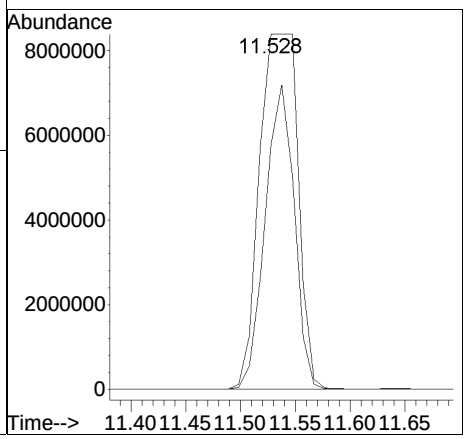


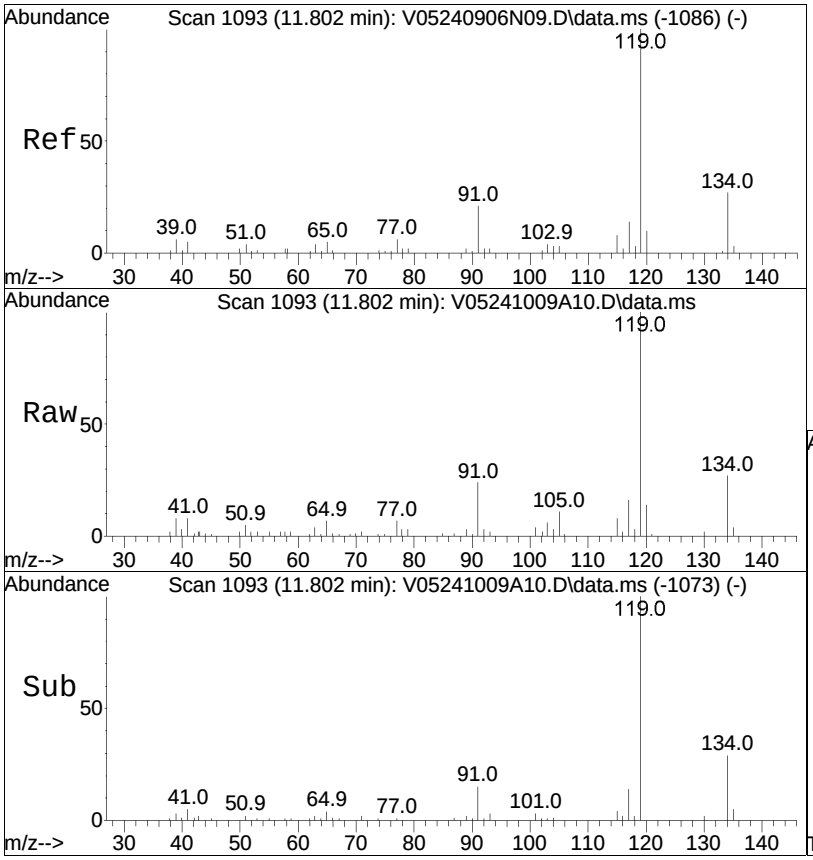


#97
1,2,4-Trimethylbenzene
Concen: 432.61 ug/L
RT: 11.528 min Scan# 1065
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion:105 Resp:20605289

Ion	Ratio	Lower	Upper
105	100		
120	64.5	34.4	51.6#

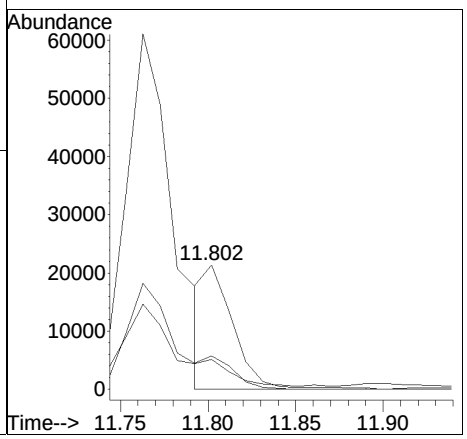


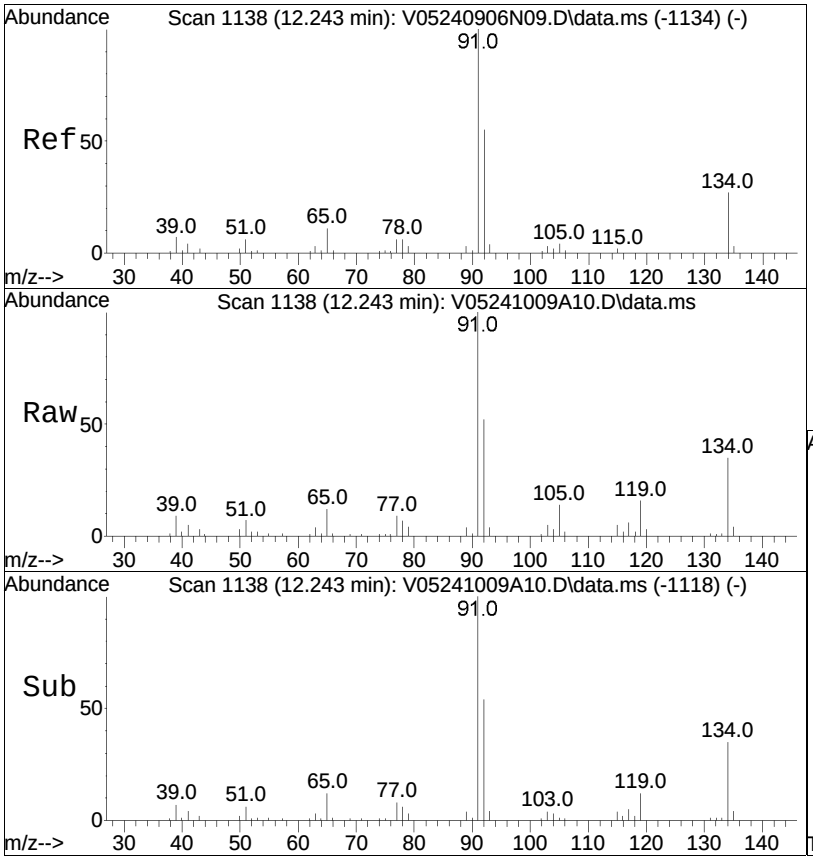


#99
p-Isopropyltoluene
Concen: 0.46 ug/L M3
RT: 11.802 min Scan# 1093
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion:119 Resp: 25359

Ion	Ratio	Lower	Upper
119	100		
134	154.8	16.0	33.2#
91	129.3	16.8	35.0#

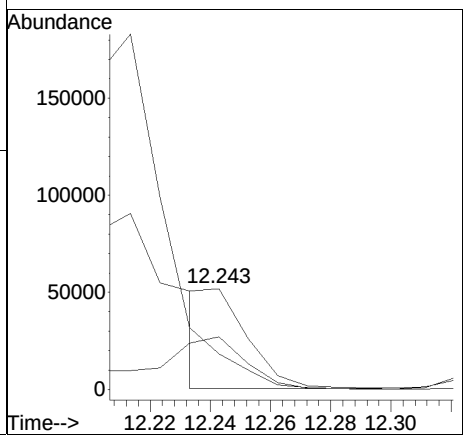


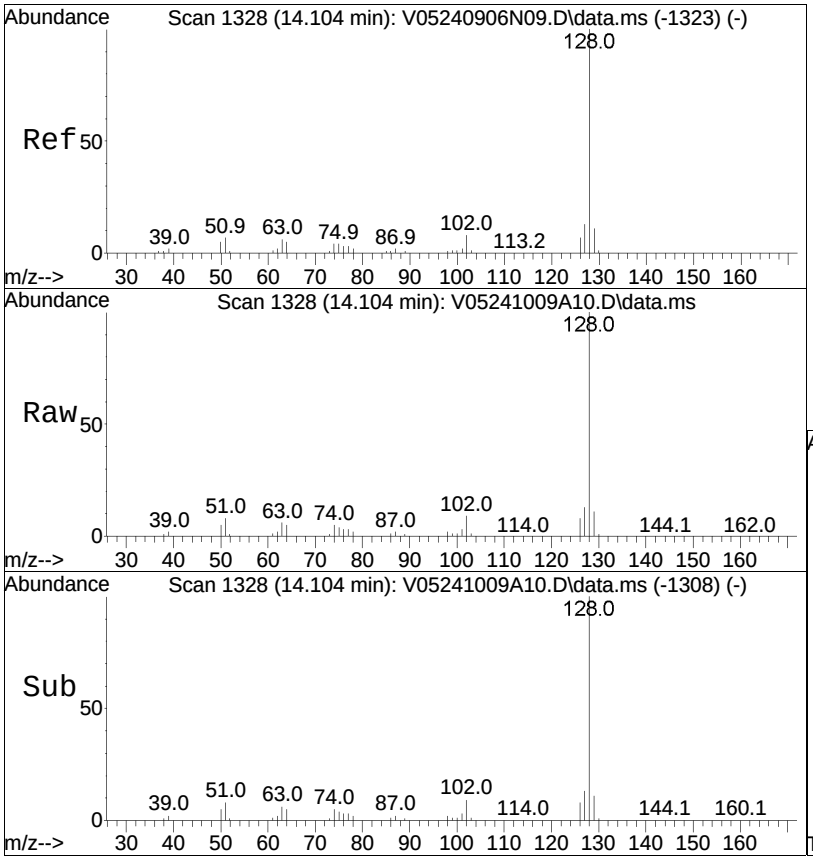


#103
n-Butylbenzene
Concen: 1.12 ug/L M3
RT: 12.243 min Scan# 1138
Delta R.T. -0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

Tgt Ion: 91 Resp: 50643

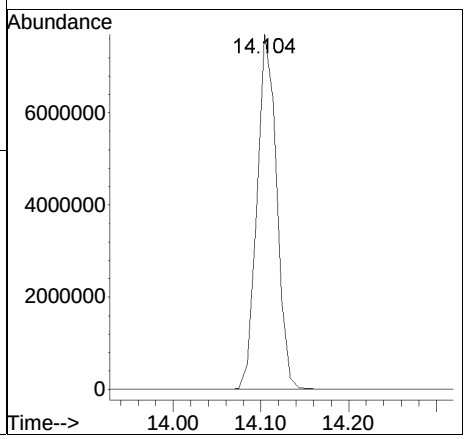
Ion	Ratio	Lower	Upper
91	100		
92	120.6	44.2	66.2#
134	747.6	20.2	30.2#





#110
Naphthalene
Concen: 316.02 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05241009A10.D
Acq: 9 Oct 2024 10:27 am

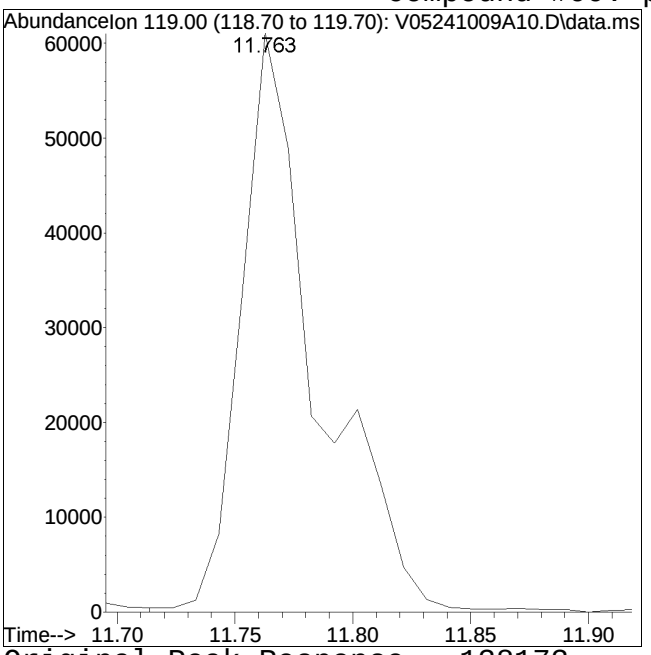
Tgt Ion:128 Resp:11999358

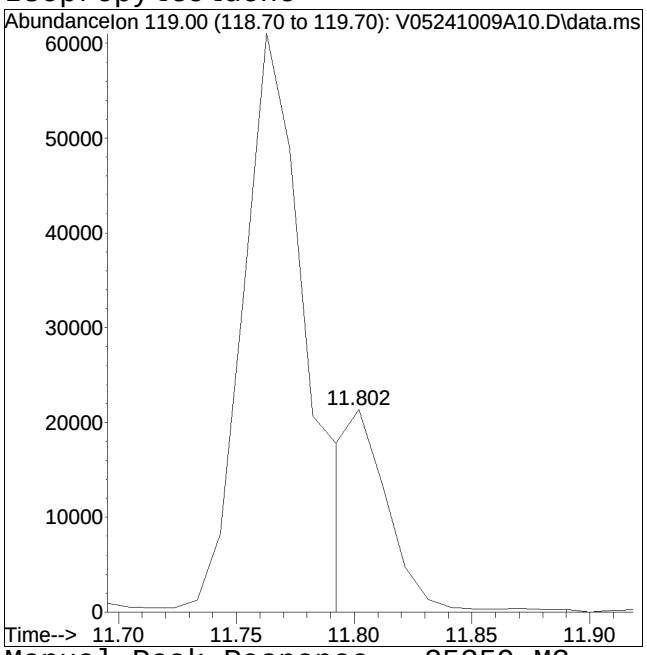


Manual Integration Report

Data Path : K:\VOA105\2024\241009A\ QMethod : V105_240906N_8260.m
Data File : V05241009A10.D Operator : VOA105:PID
Date Inj'd : 10/9/2024 10:27 am Instrument : VOA105
Sample : l2457097-06d2,31,4.0,10,,cQuant Date : 10/9/2024 12:06 pm

Compound #99: p-Isopropyltoluene



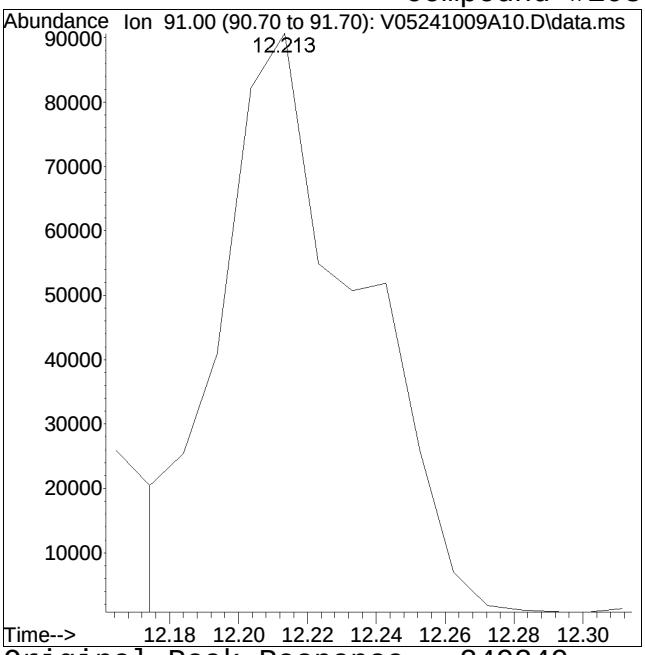


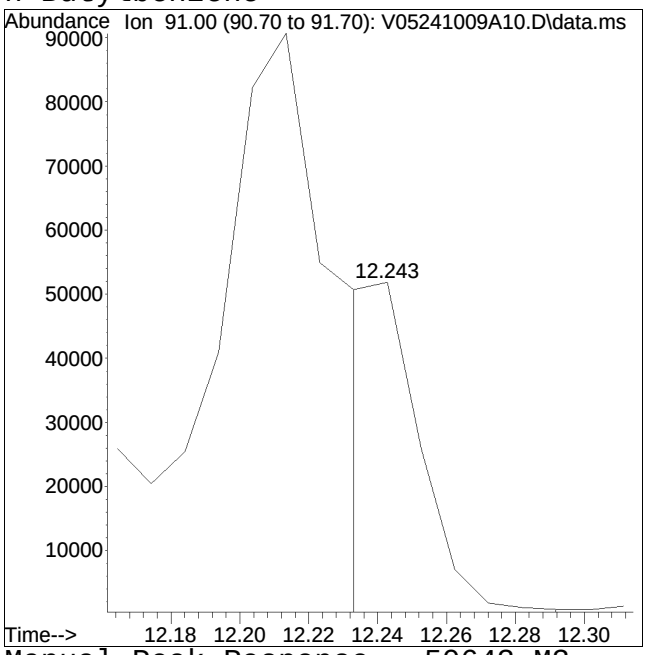
Original Peak Response = 138173 Manual Peak Response = 25359 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA105\2024\241009A\ QMethod : V105_240906N_8260.m
Data File : V05241009A10.D Operator : VOA105:PID
Date Inj'd : 10/9/2024 10:27 am Instrument : VOA105
Sample : l2457097-06d2,31,4.0,10,,cQuant Date : 10/9/2024 12:06 pm

Compound #103: n-Butylbenzene





Original Peak Response = 249249 Manual Peak Response = 50643 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2457097**
Project Name	**: CONVENTUS**	**Project Number**	**: U86**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21466**
Calibration dates	**: 09/06/24 17:39 09/06/24 21:53**		

Calibration Files
L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D
L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.239	0.295	0.329	0.308	0.301	0.294	0.283	0.293	9.46
3)	TP	Chloromethane		0.262	0.294	0.307	0.296	0.285	0.271	0.263	0.283	6.25
4)	TP	Vinyl chloride	0.231	0.200	0.252	0.272	0.260	0.257	0.252	0.243	0.246	8.93
5)	TP	Bromomethane		0.099	0.102	0.113	0.117	0.130	0.133	0.143	0.120	13.57
6)	TP	Chloroethane		0.270	0.223	0.163	0.153	0.139	0.116		*Q	0.9989
7)	TP	Trichlorofluor		0.317	0.394	0.406	0.386	0.372	0.361	0.353	0.370	8.05
8)	TP	Ethyl ether		0.079	0.091	0.090	0.093	0.092	0.089	0.090	0.089	5.41
10)	TP	1,1-Dichloroet		0.169	0.186	0.199	0.188	0.186	0.179	0.181	0.184	5.04
11)	TP	Carbon disulfide		0.512	0.592	0.615	0.581	0.576	0.544	0.547	0.567	6.08
12)	TP	Freon-113		0.174	0.213	0.224	0.208	0.204	0.196	0.198	0.202	7.72
13)	TP	Iodomethane		0.241	0.273	0.310	0.330	0.339	0.331	0.341	0.309	12.31
14)	TP	Acrolein			0.021	0.022	0.024	0.026	0.027	0.027	0.025	10.54
15)	TP	Methylene chlo		0.220	0.228	0.226	0.217	0.213	0.211	0.215	0.219	3.02
17)	TP	Acetone			0.054	0.047	0.045	0.045	0.047	0.045	0.047	7.70
18)	TP	trans-1,2-Dich		0.179	0.211	0.231	0.226	0.229	0.223	0.225	0.218	8.33
19)	TP	Methyl acetate			0.091	0.098	0.108	0.110	0.111	0.104	0.104	7.33
20)	TP	Methyl tert butyl ether		0.357	0.444	0.477	0.504	0.520	0.523	0.530	0.479	12.93
21)	TP	tert-Butyl alc			0.010	0.010	0.010	0.011	0.012	0.012	0.011	10.37
22)	TP	Diisopropyl ether		0.575	0.654	0.734	0.783	0.795	0.778	0.783	0.729	11.50
23)	TP	1,1-Dichloroet		0.368	0.411	0.431	0.408	0.401	0.383	0.372	0.396	5.73
24)	TP	Halothane		0.146	0.162	0.186	0.182	0.182	0.181	0.187	0.175	8.77
25)	TP	Acrylonitrile			0.049	0.054	0.055	0.056	0.058	0.057	0.055	5.90
26)	TP	Ethyl tert-but		0.398	0.459	0.532	0.579	0.597	0.591	0.605	0.537	14.88
27)	TP	Vinyl acetate			0.303	0.391	0.443	0.485	0.502	0.482	0.434	17.41
28)	TP	cis-1,2-Dichlo		0.212	0.245	0.257	0.256	0.256	0.248	0.252	0.247	6.49
29)	TP	2,2-Dichloropr		0.275	0.313	0.344	0.343	0.337	0.324	0.325	0.323	7.39
30)	TP	Bromochloromet		0.110	0.125	0.126	0.123	0.118	0.114	0.117	0.119	4.98
31)	TP	Cyclohexane		0.244	0.353	0.432	0.420	0.417	0.407	0.405	0.382	17.31
32)	TP	Chloroform		0.408	0.451	0.431	0.415	0.406	0.393	0.398	0.414	4.86
33)	TP	Ethyl acetate			0.141	0.148	0.165	0.178	0.185	0.184	0.167	11.23
34)	TP	Carbon tetrachloride	0.334	0.290	0.342	0.377	0.372	0.375	0.374	0.381	0.356	8.91
35)	TP	Tetrahydrofuran			0.052	0.050	0.054	0.055	0.056	0.054	0.054	4.05
36)	S	Dibromofluoromethane	0.287	0.288	0.286	0.275	0.276	0.273	0.273	0.277	0.279	2.28
37)	TP	1,1,1-Trichlor		0.320	0.378	0.419	0.403	0.400	0.389	0.396	0.386	8.25
39)	TP	2-Butanone			0.055	0.065	0.075	0.078	0.080	0.078	0.072	13.45

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2457097**
Project Name	**: CONVENTUS**	**Project Number**	**: U86**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21466**
Calibration dates	**: 09/06/24 17:39 09/06/24 21:53**		

Calibration Files
L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D
L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.198	0.267	0.309	0.312	0.312	0.302	0.302	0.286	14.66
41)	TP	Benzene	0.774	0.700	0.838	0.913	0.905	0.893	0.857	0.861	0.842	8.64
42)	TP	Tertiary-Amyl Methyl Ether		0.297	0.376	0.439	0.478	0.504	0.502	0.512	0.444	18.16
43)	S	1,2-Dichloroethane-d4	0.296	0.300	0.300	0.301	0.282	0.275	0.278	0.278	0.289	4.02
44)	TP	1,2-Dichloroet		0.261	0.296	0.288	0.285	0.278	0.270	0.271	0.278	4.35
47)	TP	Methyl cyclohe		0.273	0.336	0.421	0.416	0.427	0.414	0.417	0.386	15.24
48)	TP	Trichloroethene	0.263	0.209	0.259	0.261	0.258	0.257	0.248	0.251	0.251	7.07
50)	TP	Dibromomethane		0.116	0.132	0.130	0.131	0.133	0.132	0.136	0.130	5.13
51)	TP	1,2-Dichloropr		0.168	0.208	0.222	0.222	0.222	0.215	0.216	0.210	9.28
53)	TP	2-Chloroethyl			0.079	0.101	0.117	0.126	0.127	0.127	0.113	17.35
54)	TP	Bromodichlorom		0.281	0.299	0.310	0.314	0.319	0.312	0.321	0.308	4.54
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001#	16.96
58)	TP	cis-1,3-Dichlo		0.235	0.284	0.334	0.352	0.360	0.349	0.355	0.324	14.55
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.224	1.228	1.254	1.244	1.203	1.177	1.164	1.167	1.208	2.93
61)	TP	Toluene		0.603	0.733	0.751	0.727	0.718	0.690	0.692	0.702	6.95
62)	TP	4-Methyl-2-pen			0.042	0.054	0.059	0.063	0.067	0.065	0.058	15.95
63)	TP	Tetrachloroethene		0.304	0.365	0.400	0.389	0.386	0.371	0.378	0.370	8.50
65)	TP	trans-1,3-Dich		0.250	0.312	0.360	0.368	0.373	0.365	0.364	0.342	13.28
67)	TP	Ethyl methacry			0.171	0.213	0.240	0.252	0.256	0.253	0.231	14.48
68)	TP	1,1,2-Trichlor		0.140	0.186	0.182	0.181	0.179	0.175	0.173	0.174#	8.82
69)	TP	Chlorodibromom		0.248	0.279	0.295	0.300	0.312	0.314	0.325	0.296	8.73
70)	TP	1,3-Dichloropr		0.283	0.348	0.365	0.358	0.352	0.341	0.339	0.341	7.91
71)	TP	1,2-Dibromoethane		0.155	0.216	0.246	0.251	0.254	0.256	0.258	0.234	16.06
72)	TP	2-Hexanone			0.084	0.104	0.118	0.127	0.133	0.129	0.116	16.16
73)	TP	Chlorobenzene		0.727	0.837	0.870	0.854	0.855	0.828	0.837	0.830	5.71
74)	TP	Ethylbenzene		1.144	1.341	1.518	1.498	1.486	1.420	1.407	1.402	9.22
75)	TP	1,1,1,2-Tetrac		0.252	0.296	0.310	0.317	0.322	0.313	0.322	0.305	8.12
76)	TP	p/m Xylene		0.383	0.510	0.599	0.597	0.587	0.560	0.553	0.541	14.11
77)	TP	o Xylene		0.346	0.473	0.566	0.568	0.564	0.538	0.534	0.513	15.75
78)	TP	Styrene		0.523	0.798	0.940	0.960	0.943	0.900	0.876	0.849	18.10
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.249	0.260	0.273	0.297	0.320	0.329	0.346	0.296	12.48
82)	TP	Isopropylbenzene		1.594	2.062	2.466	2.480	2.552	2.464	2.572	2.313	15.57
83)	S	4-Bromofluorobenzene	0.722	0.722	0.711	0.676	0.665	0.675	0.681	0.700	0.694	3.25
84)	TP	Bromobenzene		0.546	0.597	0.607	0.611	0.623	0.619	0.654	0.608	5.42

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2457097**
Project Name	**: CONVENTUS**	**Project Number**	**: U86**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21466**
Calibration dates	**: 09/06/24 17:39 09/06/24 21:53**		

Calibration Files
L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D
L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.078	2.527	2.905	2.849	2.919	2.793	2.845	2.702	11.29
86) TP	1,4-Dichlorobu		0.472	0.606	0.592	0.590	0.600	0.593	0.613	0.581	8.37
87) TP	1,1,2,2-Tetrac		0.375	0.398	0.392	0.396	0.410	0.415	0.425	0.402	4.08
88) TP	4-Ethyltoluene		1.636	2.065	2.398	2.410	2.450	2.353	2.450	2.252	13.44
89) TP	2-Chlorotoluene		1.260	1.553	1.621	1.586	1.586	1.536	1.523	1.524	7.95
90) TP	1,3,5-Trimethy		1.495	1.883	2.136	2.115	2.125	2.052	2.103	1.987	11.78
91) TP	1,2,3-Trichlor		0.290	0.313	0.313	0.311	0.316	0.320	0.321	0.312	3.36
92) TP	trans-1,4-Dich			0.126	0.130	0.135	0.132	0.136	0.140	0.133	3.66
93) TP	4-Chlorotoluene		1.264	1.536	1.674	1.632	1.642	1.607	1.667	1.575	9.17
94) TP	tert-Butylbenzene		1.182	1.522	1.864	1.866	1.923	1.883	1.941	1.740	16.32
97) TP	1,2,4-Trimethy		1.231	1.732	2.053	2.075	2.117	2.031	2.083	1.903	16.99
98) TP	sec-Butylbenzene		1.753	2.362	2.736	2.737	2.805	2.704	2.726	2.546	14.87
99) TP	p-Isopropyltol		1.309	1.914	2.387	2.421	2.502	2.410	2.422	2.195	19.90
100) TP	1,3-Dichlorobe		1.027	1.163	1.249	1.237	1.256	1.225	1.252	1.201	6.93
101) TP	1,4-Dichlorobe		1.226	1.223	1.258	1.238	1.235	1.220	1.244	1.235	1.06
102) TP	p-Diethylbenzene		0.798	1.067	1.350	1.386	1.443	1.410	1.446	1.271	19.37
103) TP	n-Butylbenzene		1.166	1.704	1.976	1.931	2.013	1.908	1.936	1.805	16.55
104) TP	1,2-Dichlorobe		0.889	1.060	1.119	1.123	1.146	1.121	1.138	1.085	8.35
105) TP	1,2,4,5-Tetram			1.322	1.850	1.988	2.154	2.101	2.116	1.922	16.34
106) TP	1,2-Dibromo-3-		0.038	0.057	0.063	0.067	0.076	0.082	0.081	*Q	0.9987
107) TP	1,3,5-Trichlor		0.722	0.830	0.916	0.919	0.957	0.918	0.910	0.882	9.10
108) TP	Hexachlorobuta		0.259	0.295	0.326	0.331	0.355	0.340	0.346	0.322	10.44
109) TP	1,2,4-Trichlor		0.562	0.645	0.733	0.763	0.808	0.781	0.776	0.724	12.25
110) TP	Naphthalene		0.761	0.993	1.275	1.397	1.536	1.557	1.506	*L	0.9988
111) TP	1,2,3-Trichlor		0.476	0.565	0.630	0.644	0.676	0.663	0.656	0.616	11.58

Response Factor Report VOA105

Method Path : K:\VOA105\2024\240906NICAL\
Method File : V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024
Response Via : Initial Calibration

Calibration Files
L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D
L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.239	0.295	0.329	0.308	0.301	0.294	0.283	0.293	9.46
3)	TP	Chloromethane		0.262	0.294	0.307	0.296	0.285	0.271	0.263	0.283	6.25
4)	TP	Vinyl chloride	0.231	0.200	0.252	0.272	0.260	0.257	0.252	0.243	0.246	8.93
5)	TP	Bromomethane		0.099	0.102	0.113	0.117	0.130	0.133	0.143	0.120	13.57
6)	TP	Chloroethane		0.270	0.223	0.163	0.153	0.139	0.116		*Q	0.9989
7)	TP	Trichlorofluor...		0.317	0.394	0.406	0.386	0.372	0.361	0.353	0.370	8.05
8)	TP	Ethyl ether		0.079	0.091	0.090	0.093	0.092	0.089	0.090	0.089	5.41
10)	TP	1,1-Dichloroet...		0.169	0.186	0.199	0.188	0.186	0.179	0.181	0.184	5.04
11)	TP	Carbon disulfide		0.512	0.592	0.615	0.581	0.576	0.544	0.547	0.567	6.08
12)	TP	Freon-113		0.174	0.213	0.224	0.208	0.204	0.196	0.198	0.202	7.72
13)	TP	Iodomethane		0.241	0.273	0.310	0.330	0.339	0.331	0.341	0.309	12.31
14)	TP	Acrolein			0.021	0.022	0.024	0.026	0.027	0.027	0.025	10.54
15)	TP	Methylene chlo...		0.220	0.228	0.226	0.217	0.213	0.211	0.215	0.219	3.02
17)	TP	Acetone			0.054	0.047	0.045	0.045	0.047	0.045	0.047	7.70
18)	TP	trans-1,2-Dich...		0.179	0.211	0.231	0.226	0.229	0.223	0.225	0.218	8.33
19)	TP	Methyl acetate			0.091	0.098	0.108	0.110	0.111	0.104	0.104	7.33
20)	TP	Methyl tert-bu...		0.357	0.444	0.477	0.504	0.520	0.523	0.530	0.479	12.93
21)	TP	tert-Butyl alc...			0.010	0.010	0.010	0.011	0.012	0.012	0.011	10.37
22)	TP	Diisopropyl ether		0.575	0.654	0.734	0.783	0.795	0.778	0.783	0.729	11.50
23)	TP	1,1-Dichloroet...		0.368	0.411	0.431	0.408	0.401	0.383	0.372	0.396	5.73
24)	TP	Halothane		0.146	0.162	0.186	0.182	0.182	0.181	0.187	0.175	8.77
25)	TP	Acrylonitrile			0.049	0.054	0.055	0.056	0.058	0.057	0.055	5.90
26)	TP	Ethyl tert-but...		0.398	0.459	0.532	0.579	0.597	0.591	0.605	0.537	14.88
27)	TP	Vinyl acetate			0.303	0.391	0.443	0.485	0.502	0.482	0.434	17.41
28)	TP	cis-1,2-Dichlo...		0.212	0.245	0.257	0.256	0.256	0.248	0.252	0.247	6.49
29)	TP	2,2-Dichloropr...		0.275	0.313	0.344	0.343	0.337	0.324	0.325	0.323	7.39
30)	TP	Bromochloromet...		0.110	0.125	0.126	0.123	0.118	0.114	0.117	0.119	4.98
31)	TP	Cyclohexane		0.244	0.353	0.432	0.420	0.417	0.407	0.405	0.382	17.31
32)	TP	Chloroform		0.408	0.451	0.431	0.415	0.406	0.393	0.398	0.414	4.86
33)	TP	Ethyl acetate			0.141	0.148	0.165	0.178	0.185	0.184	0.167	11.23

Response Factor Report VOA105

Method Path : K:\VOA105\2024\240906NICAL\
Method File : V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024
Response Via : Initial Calibration

Calibration Files
L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D
L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.334	0.290	0.342	0.377	0.372	0.375	0.374	0.381	0.356	8.91
35)	TP	Tetrahydrofuran		0.052	0.050	0.054	0.055	0.056	0.054	0.054		4.05
36)	S	Dibromofluorom...	0.287	0.288	0.286	0.275	0.276	0.273	0.273	0.277	0.279	2.28
37)	TP	1,1,1-Trichlor...		0.320	0.378	0.419	0.403	0.400	0.389	0.396	0.386	8.25
39)	TP	2-Butanone			0.055	0.065	0.075	0.078	0.080	0.078	0.072	13.45
40)	TP	1,1-Dichloropr...		0.198	0.267	0.309	0.312	0.312	0.302	0.302	0.286	14.66
41)	TP	Benzene	0.774	0.700	0.838	0.913	0.905	0.893	0.857	0.861	0.842	8.64
42)	TP	tert-Amyl meth...		0.297	0.376	0.439	0.478	0.504	0.502	0.512	0.444	18.16
43)	S	1,2-Dichloroet...	0.296	0.300	0.300	0.301	0.282	0.275	0.278	0.278	0.289	4.02
44)	TP	1,2-Dichloroet...		0.261	0.296	0.288	0.285	0.278	0.270	0.271	0.278	4.35
47)	TP	Methyl cyclohe...		0.273	0.336	0.421	0.416	0.427	0.414	0.417	0.386	15.24
48)	TP	Trichloroethene	0.263	0.209	0.259	0.261	0.258	0.257	0.248	0.251	0.251	7.07
50)	TP	Dibromomethane		0.116	0.132	0.130	0.131	0.133	0.132	0.136	0.130	5.13
51)	TP	1,2-Dichloropr...		0.168	0.208	0.222	0.222	0.222	0.215	0.216	0.210	9.28
53)	TP	2-Chloroethyl ...			0.079	0.101	0.117	0.126	0.127	0.127	0.113	17.35
54)	TP	Bromodichlorom...		0.281	0.299	0.310	0.314	0.319	0.312	0.321	0.308	4.54
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001#	16.96
58)	TP	cis-1,3-Dichlo...		0.235	0.284	0.334	0.352	0.360	0.349	0.355	0.324	14.55
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.224	1.228	1.254	1.244	1.203	1.177	1.164	1.167	1.208	2.93
61)	TP	Toluene		0.603	0.733	0.751	0.727	0.718	0.690	0.692	0.702	6.95
62)	TP	4-Methyl-2-pen...			0.042	0.054	0.059	0.063	0.067	0.065	0.058	15.95
63)	TP	Tetrachloroethene		0.304	0.365	0.400	0.389	0.386	0.371	0.378	0.370	8.50
65)	TP	trans-1,3-Dich...		0.250	0.312	0.360	0.368	0.373	0.365	0.364	0.342	13.28
67)	TP	Ethyl methacry...			0.171	0.213	0.240	0.252	0.256	0.253	0.231	14.48
68)	TP	1,1,2-Trichlor...		0.140	0.186	0.182	0.181	0.179	0.175	0.173	0.174#	8.82
69)	TP	Chlorodibromom...		0.248	0.279	0.295	0.300	0.312	0.314	0.325	0.296	8.73
70)	TP	1,3-Dichloropr...		0.283	0.348	0.365	0.358	0.352	0.341	0.339	0.341	7.91
71)	TP	1,2-Dibromoethane		0.155	0.216	0.246	0.251	0.254	0.256	0.258	0.234	16.06
72)	TP	2-Hexanone			0.084	0.104	0.118	0.127	0.133	0.129	0.116	16.16
73)	TP	Chlorobenzene		0.727	0.837	0.870	0.854	0.855	0.828	0.837	0.830	5.71

Response Factor Report VOA105

Method Path : K:\VOA105\2024\240906NICAL\
Method File : V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024
Response Via : Initial Calibration

Calibration Files
L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D
L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74) TP	Ethylbenzene		1.144	1.341	1.518	1.498	1.486	1.420	1.407	1.402	9.22
75) TP	1,1,1,2-Tetrac...		0.252	0.296	0.310	0.317	0.322	0.313	0.322	0.305	8.12
76) TP	p/m Xylene		0.383	0.510	0.599	0.597	0.587	0.560	0.553	0.541	14.11
77) TP	o Xylene		0.346	0.473	0.566	0.568	0.564	0.538	0.534	0.513	15.75
78) TP	Styrene		0.523	0.798	0.940	0.960	0.943	0.900	0.876	0.849	18.10
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.249	0.260	0.273	0.297	0.320	0.329	0.346	0.296	12.48
82) TP	Isopropylbenzene		1.594	2.062	2.466	2.480	2.552	2.464	2.572	2.313	15.57
83) S	4-Bromofluorob...	0.722	0.722	0.711	0.676	0.665	0.675	0.681	0.700	0.694	3.25
84) TP	Bromobenzene		0.546	0.597	0.607	0.611	0.623	0.619	0.654	0.608	5.42
85) TP	n-Propylbenzene		2.078	2.527	2.905	2.849	2.919	2.793	2.845	2.702	11.29
86) TP	1,4-Dichlorobu...		0.472	0.606	0.592	0.590	0.600	0.593	0.613	0.581	8.37
87) TP	1,1,2,2-Tetrac...		0.375	0.398	0.392	0.396	0.410	0.415	0.425	0.402	4.08
88) TP	4-Ethyltoluene		1.636	2.065	2.398	2.410	2.450	2.353	2.450	2.252	13.44
89) TP	2-Chlorotoluene		1.260	1.553	1.621	1.586	1.586	1.536	1.523	1.524	7.95
90) TP	1,3,5-Trimethy...		1.495	1.883	2.136	2.115	2.125	2.052	2.103	1.987	11.78
91) TP	1,2,3-Trichlor...		0.290	0.313	0.313	0.311	0.316	0.320	0.321	0.312	3.36
92) TP	trans-1,4-Dich...			0.126	0.130	0.135	0.132	0.136	0.140	0.133	3.66
93) TP	4-Chlorotoluene		1.264	1.536	1.674	1.632	1.642	1.607	1.667	1.575	9.17
94) TP	tert-Butylbenzene		1.182	1.522	1.864	1.866	1.923	1.883	1.941	1.740	16.32
97) TP	1,2,4-Trimethy...		1.231	1.732	2.053	2.075	2.117	2.031	2.083	1.903	16.99
98) TP	sec-Butylbenzene		1.753	2.362	2.736	2.737	2.805	2.704	2.726	2.546	14.87
99) TP	p-Isopropyltol...		1.309	1.914	2.387	2.421	2.502	2.410	2.422	2.195	19.90
100) TP	1,3-Dichlorobe...		1.027	1.163	1.249	1.237	1.256	1.225	1.252	1.201	6.93
101) TP	1,4-Dichlorobe...		1.226	1.223	1.258	1.238	1.235	1.220	1.244	1.235	1.06
102) TP	p-Diethylbenzene		0.798	1.067	1.350	1.386	1.443	1.410	1.446	1.271	19.37
103) TP	n-Butylbenzene		1.166	1.704	1.976	1.931	2.013	1.908	1.936	1.805	16.55
104) TP	1,2-Dichlorobe...		0.889	1.060	1.119	1.123	1.146	1.121	1.138	1.085	8.35
105) TP	1,2,4,5-Tetram...			1.322	1.850	1.988	2.154	2.101	2.116	1.922	16.34
106) TP	1,2-Dibromo-3-...		0.038	0.057	0.063	0.067	0.076	0.082	0.081	*Q	0.9987
107) TP	1,3,5-Trichlor...		0.722	0.830	0.916	0.919	0.957	0.918	0.910	0.882	9.10

Method Path : K:\VOA105\2024\240906NICAL\
Method File : V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024
Response Via : Initial Calibration

Calibration Files
L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D
L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

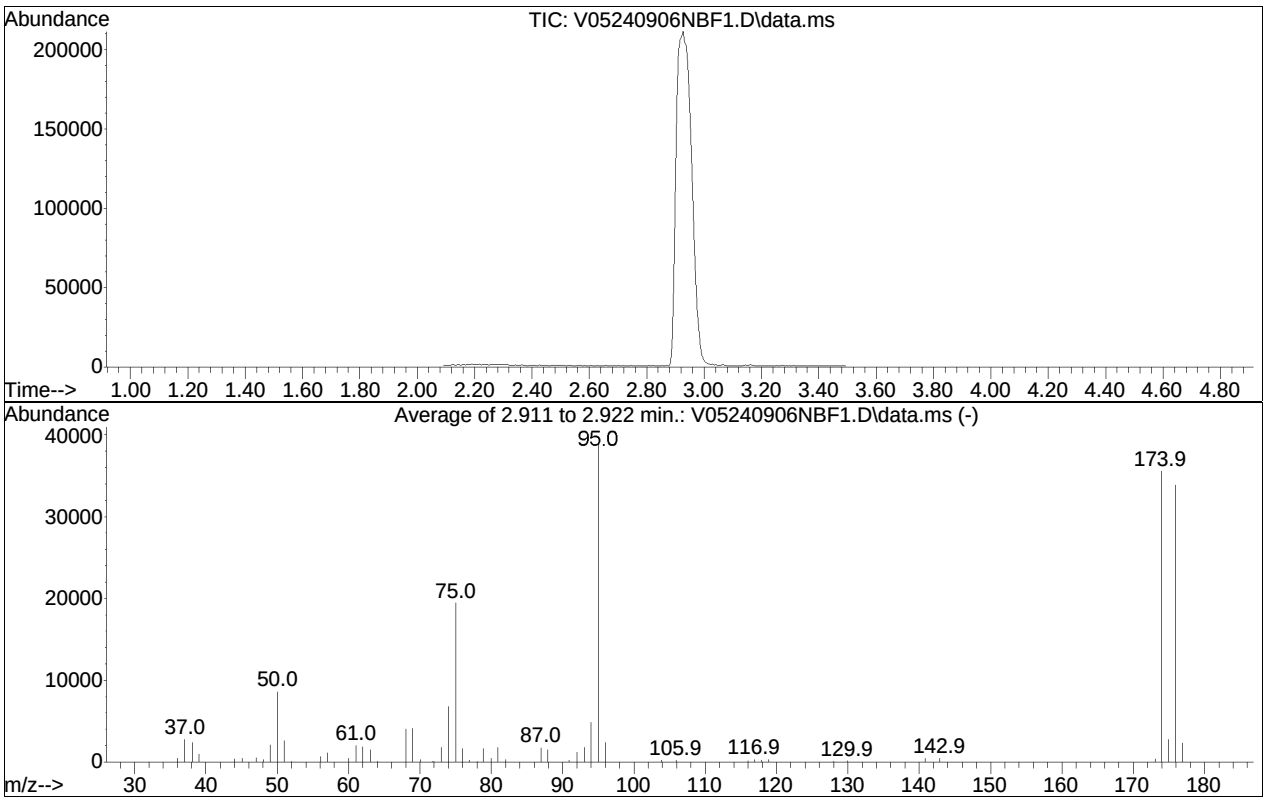
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.259	0.295	0.326	0.331	0.355	0.340	0.346	0.322	10.44	
109)	TP 1,2,4-Trichlor...	0.562	0.645	0.733	0.763	0.808	0.781	0.776	0.724	12.25	
110)	TP Naphthalene	0.761	0.993	1.275	1.397	1.536	1.557	1.506	*L	0.9988	
111)	TP 1,2,3-Trichlor...	0.476	0.565	0.630	0.644	0.676	0.663	0.656	0.616	11.58	

(#) = Out of Range

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906NBF1.D
Acq On : 6 Sep 2024 4:20 pm
Operator : VOA105:TMS
Sample : WG1969218-1
Misc : WG1969218
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024



AutoFind: Scans 151, 152, 153; Background Corrected with Scan 143

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8619	PASS
75	95	30	60	49.9	19488	PASS
95	95	100	100	100.0	39048	PASS
96	95	5	9	6.2	2405	PASS
173	174	0.00	2	1.1	393	PASS
174	95	50	100	91.2	35603	PASS
175	174	5	9	7.8	2778	PASS
176	174	95	101	95.1	33861	PASS
177	176	5	9	6.8	2299	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N03.D
Acq On : 6 Sep 2024 5:39 pm
Operator : VOA105:PID
Sample : I8260STD0.19PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 11:22:10 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	300062	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery =	92.84%		
59) Chlorobenzene-d5	9.177	117	236917	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery =	92.10%		
79) 1,4-Dichlorobenzene-d4	11.949	152	137080	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery =	81.25%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	86081	10.265	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.65%		
43) 1,2-Dichloroethane-d4	5.410	65	88968	10.262	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.62%		
60) Toluene-d8	7.347	98	290012	10.136	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.36%		
83) 4-Bromofluorobenzene	10.715	95	98978	10.406	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.06%		
Target Compounds						Qvalue
4) Vinyl chloride	1.743	62	1315	0.178	ug/L #	1
34) Carbon tetrachloride	4.843	117	1906	0.179	ug/L #	87
41) Benzene	5.273	78	4411	0.174	ug/L #	83
48) Trichloroethene	5.870	95	1502	0.200	ug/L	91

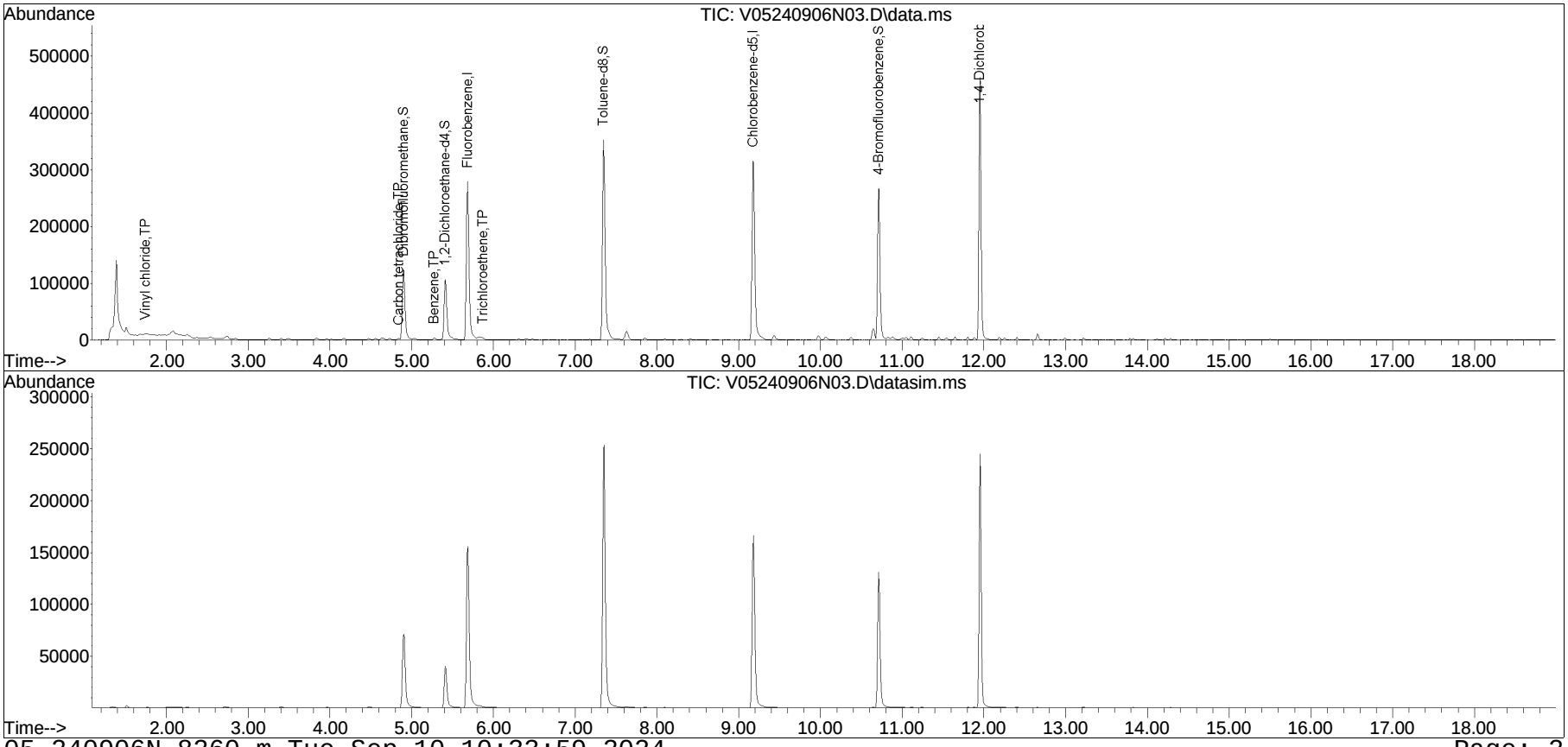
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N03.D
Acq On : 6 Sep 2024 5:39 pm
Operator : VOA105:PID
Sample : I8260STD0.19PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 11:22:10 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR productN09.D•



Manual Integration Report

Data Path	: K:\VOA105\2024\240906NICALQ	Method	: V105_240906N_8260.m
Data File	: V05240906N03.D	Operator	: VOA105:PID
Date Inj'd	: 9/6/2024 5:39 pm	Instrument	: VOA105
Sample	: I8260STD0.19PPB	Quant Date	: 9/9/2024 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N05.D
Acq On : 6 Sep 2024 6:30 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 11:22:18 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	300523	10.000 ug/L	0.00
Standard Area 1 = 323219			Recovery =	92.98%	
59) Chlorobenzene-d5	9.177	117	236566	10.000 ug/L	0.00
Standard Area 1 = 257237			Recovery =	91.96%	
79) 1,4-Dichlorobenzene-d4	11.949	152	139024	10.000 ug/L	0.00
Standard Area 1 = 168721			Recovery =	82.40%	
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	86559	10.306 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.06%	
43) 1,2-Dichloroethane-d4	5.410	65	90230	10.392 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.92%	
60) Toluene-d8	7.347	98	290581	10.171 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.71%	
83) 4-Bromofluorobenzene	10.715	95	100342	10.402 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.02%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.498	85	3591	0.408 ug/L	92
3) Chloromethane	1.674	50	3934	0.463 ug/L	92
4) Vinyl chloride	1.743	62	3011	0.408 ug/L #	1
5) Bromomethane	2.026	94	1495	0.416 ug/L	97
6) Chloroethane	2.124	64	4051M4	0.811 ug/L	
7) Trichlorofluoromethane	2.251	101	4761	0.428 ug/L	94
8) Ethyl ether	2.535	74	1181	0.441 ug/L #	31
10) 1,1-Dichloroethene	2.721	96	2541	0.459 ug/L	94
11) Carbon disulfide	2.740	76	7692	0.452 ug/L	97
12) Freon-113	2.740	101	2616	0.430 ug/L #	73
13) Iodomethane	2.848	142	3627	0.390 ug/L	90
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.259	84	3307	0.503 ug/L #	66
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.405	96	2694	0.412 ug/L	95
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	3.493	73	5360	0.372 ug/L #	41
21) tert-Butyl alcohol	0.000		0	N.D. d	
22) Diisopropyl ether	3.836	45	8633	0.394 ug/L #	87
23) 1,1-Dichloroethane	3.963	63	5528	0.464 ug/L	91
24) Halothane	4.021	117	2193	0.417 ug/L	95

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N05.D
Acq On : 6 Sep 2024 6:30 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 11:22:18 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Acrylonitrile	0.000		0	N.D. d	
26) Ethyl tert-butyl ether	4.168	59	5978	0.370 ug/L #	78
27) Vinyl acetate	4.237	43	3312M4	0.273 ug/L	
28) cis-1,2-Dichloroethene	4.471	96	3183	0.430 ug/L	94
29) 2,2-Dichloropropane	4.550	77	4139	0.426 ug/L #	71
30) Bromochloromethane	4.667	128	1654	0.463 ug/L #	78
31) Cyclohexane	4.638	56	3662	0.319 ug/L	91
32) Chloroform	4.726	83	6124	0.492 ug/L #	95
33) Ethyl acetate	0.000		0	N.D. d	
34) Carbon tetrachloride	4.843	117	4362	0.408 ug/L	97
35) Tetrahydrofuran	0.000		0	N.D. d	
37) 1,1,1-Trichloroethane	4.912	97	4806	0.414 ug/L	93
39) 2-Butanone	0.000		0	N.D. d	
40) 1,1-Dichloropropene	5.039	75	2972	0.346 ug/L	93
41) Benzene	5.273	78	10512	0.415 ug/L	95
42) tert-Amyl methyl ether	5.381	73	4464	0.335 ug/L	91
44) 1,2-Dichloroethane	5.489	62	3916	0.468 ug/L #	91
47) Methyl cyclohexane	5.831	83	4103	0.353 ug/L	92
48) Trichloroethene	5.860	95	3138	0.416 ug/L	96
50) Dibromomethane	6.310	93	1737	0.444 ug/L	95
51) 1,2-Dichloropropane	6.398	63	2520	0.399 ug/L	92
53) 2-Chloroethyl vinyl ether	7.122	63	700	0.225 ug/L #	83
54) Bromodichloromethane	6.486	83	4220	0.456 ug/L #	94
57) 1,4-Dioxane	6.692	88	2689	68.133 ug/L #	85
58) cis-1,3-Dichloropropene	7.161	75	3530	0.362 ug/L #	53
61) Toluene	7.415	92	7135	0.430 ug/L	91
62) 4-Methyl-2-pentanone	7.865	58	207	0.167 ug/L #	1
63) Tetrachloroethene	7.846	166	3596	0.410 ug/L	89
65) trans-1,3-Dichloropropene	7.924	75	2954	0.366 ug/L #	8
67) Ethyl methacrylate	8.120	69	1173	0.234 ug/L #	39
68) 1,1,2-Trichloroethane	8.090	83	1661	0.404 ug/L	87
69) Chlorodibromomethane	8.296	129	2939	0.419 ug/L	88
70) 1,3-Dichloropropane	8.403	76	3349	0.415 ug/L	99
71) 1,2-Dibromoethane	8.570	107	1837	0.332 ug/L	94
72) 2-Hexanone	0.000		0	N.D. d	
73) Chlorobenzene	9.196	112	8601	0.438 ug/L	93
74) Ethylbenzene	9.245	91	13536	0.408 ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.284	131	2984	0.414 ug/L #	71
76) p/m Xylene	9.431	106	9060	0.707 ug/L	86
77) o Xylene	9.970	106	8178	0.674 ug/L	89

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N05.D
Acq On : 6 Sep 2024 6:30 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 11:22:18 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.058	104	12374	0.616	ug/L	#	84
80) Bromoform	10.078	173	1733	0.421	ug/L		97
82) Isopropylbenzene	10.372	105	11078	0.345	ug/L		100
84) Bromobenzene	10.822	156	3793	0.449	ug/L		95
85) n-Propylbenzene	10.871	91	14446	0.385	ug/L		98
86) 1,4-Dichlorobutane	10.911	55	3281	0.406	ug/L	#	83
87) 1,1,2,2-Tetrachloroethane	10.989	83	2609	0.467	ug/L	#	94
88) 4-Ethyltoluene	11.009	105	11369	0.363	ug/L		97
89) 2-Chlorotoluene	11.048	91	8756M6	0.413	ug/L		
90) 1,3,5-Trimethylbenzene	11.106	105	10391	0.376	ug/L		94
91) 1,2,3-Trichloropropane	11.116	75	2014	0.465	ug/L		90
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d		
93) 4-Chlorotoluene	11.244	91	8788	0.401	ug/L		99
94) tert-Butylbenzene	11.449	119	8219	0.340	ug/L		97
97) 1,2,4-Trimethylbenzene	11.538	105	8558	0.323	ug/L		91
98) sec-Butylbenzene	11.645	105	12184	0.344	ug/L		99
99) p-Isopropyltoluene	11.802	119	9097	0.298	ug/L		93
100) 1,3-Dichlorobenzene	11.880	146	7137	0.427	ug/L		89
101) 1,4-Dichlorobenzene	11.969	146	8525	0.497	ug/L	#	93
102) p-Diethylbenzene	12.184	119	5550	0.314	ug/L		98
103) n-Butylbenzene	12.243	91	8102	0.323	ug/L		91
104) 1,2-Dichlorobenzene	12.400	146	6183	0.410	ug/L		93
105) 1,2,4,5-Tetramethylben...	12.987	119	6906	0.278	ug/L		95
106) 1,2-Dibromo-3-chloropr...	13.193	155	266	0.288	ug/L		85
107) 1,3,5-Trichlorobenzene	13.213	180	5017	0.409	ug/L	#	93
108) Hexachlorobutadiene	13.781	225	1801	0.403	ug/L		94
109) 1,2,4-Trichlorobenzene	13.820	180	3907	0.388	ug/L	#	92
110) Naphthalene	14.114	128	5290	0.295	ug/L		100
111) 1,2,3-Trichlorobenzene	14.280	180	3311	0.387	ug/L	#	93

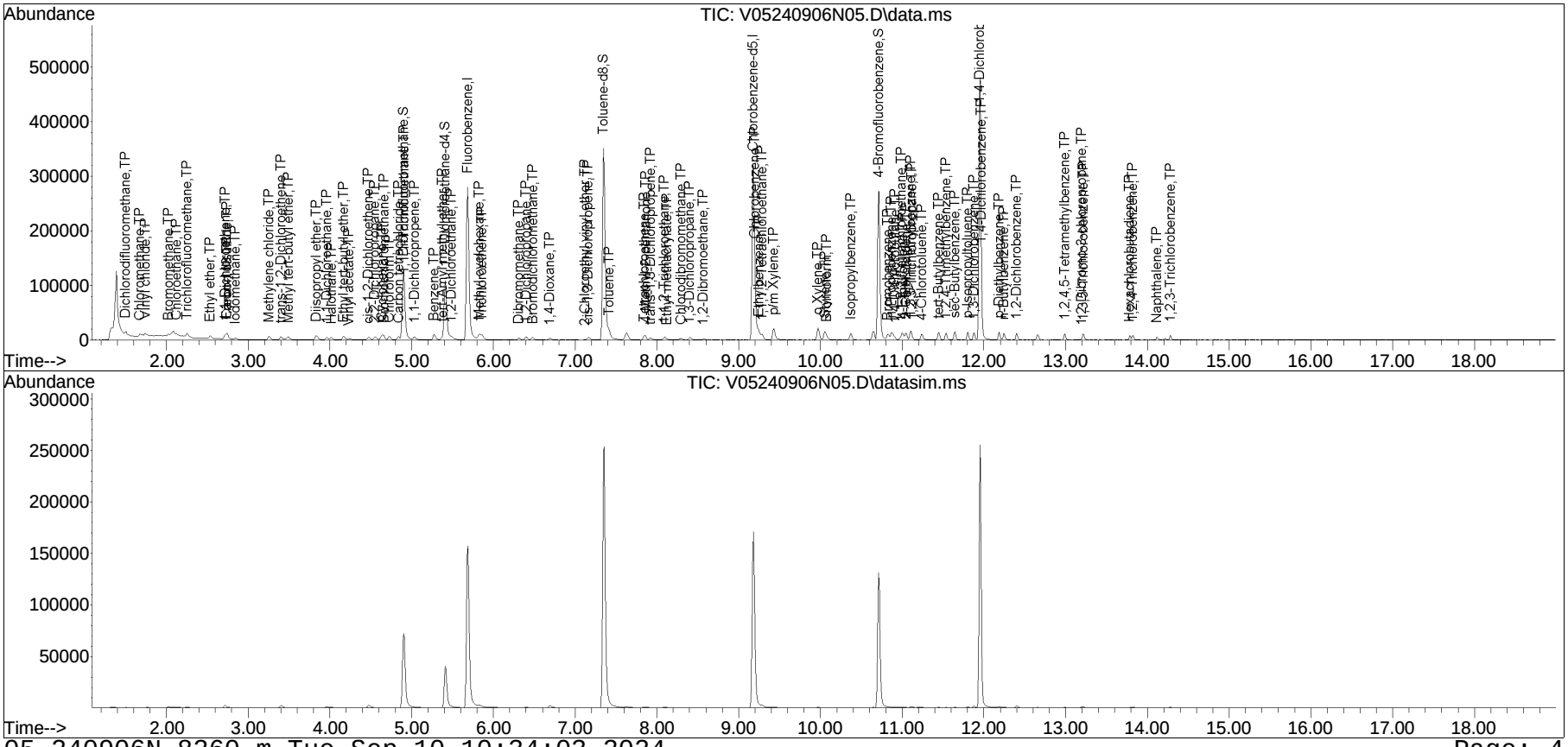
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N05.D
Acq On : 6 Sep 2024 6:30 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 11:22:18 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•

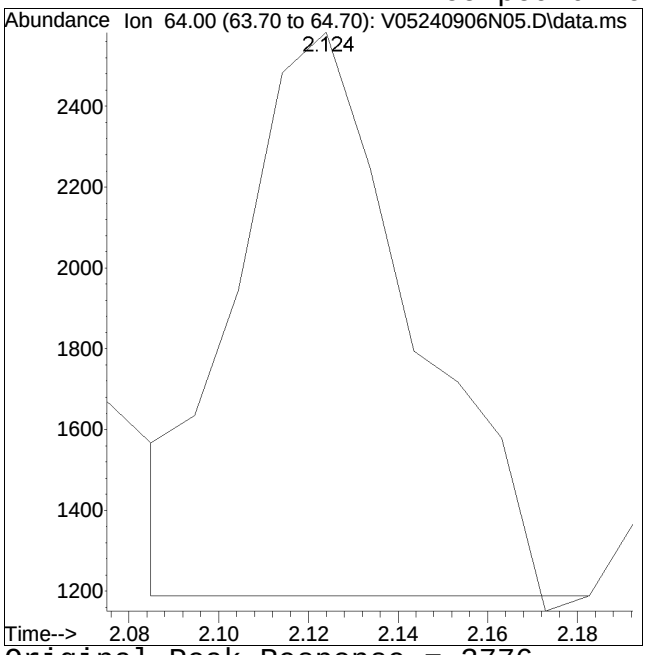


Manual Integration Report

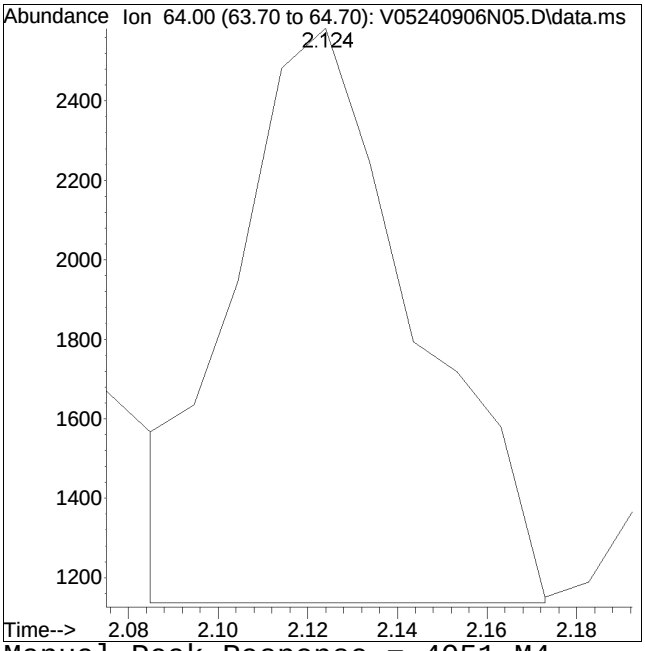
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Data File : V05240906N05.D
Date Inj'd : 9/6/2024 6:30 pm
Sample : I8260STD0.5PPB

Method : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/9/2024 11:22 am

Compound #6: Chloroethane



Original Peak Response = 3776



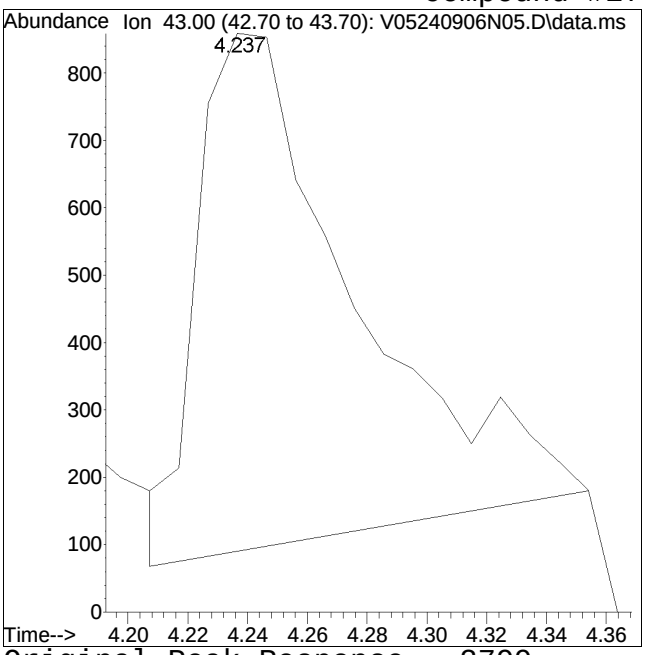
Manual Peak Response = 4051 M4

M4 = Poor automated baseline construction.

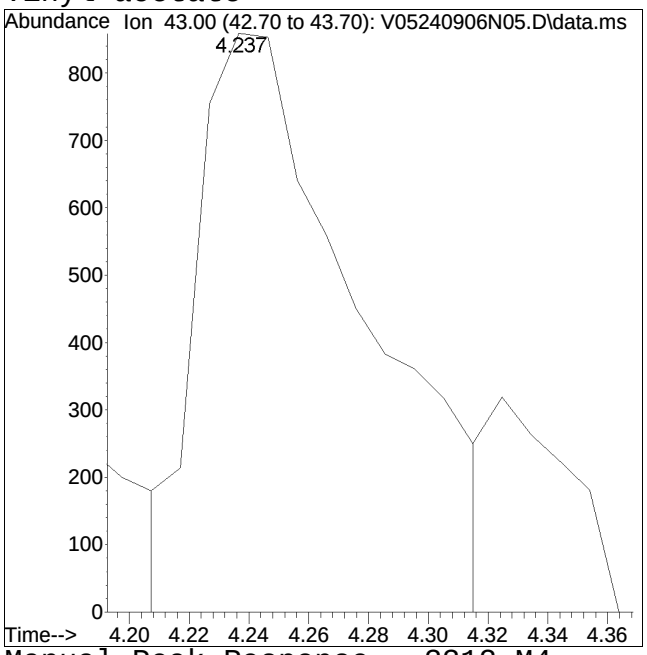
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N05.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 6:30 pm Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 9/9/2024 11:22 am

Compound #27: Vinyl acetate



Original Peak Response = 2799



Manual Peak Response = 3312 M4

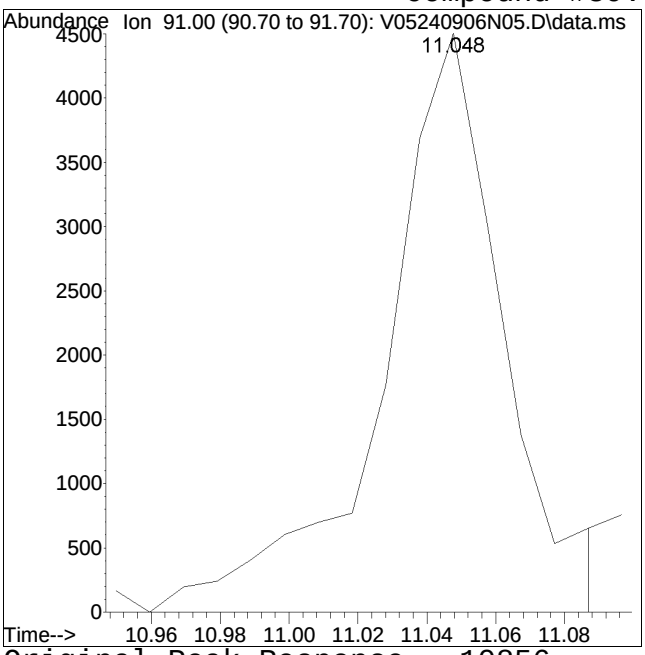
M4 = Poor automated baseline construction.

Manual Integration Report

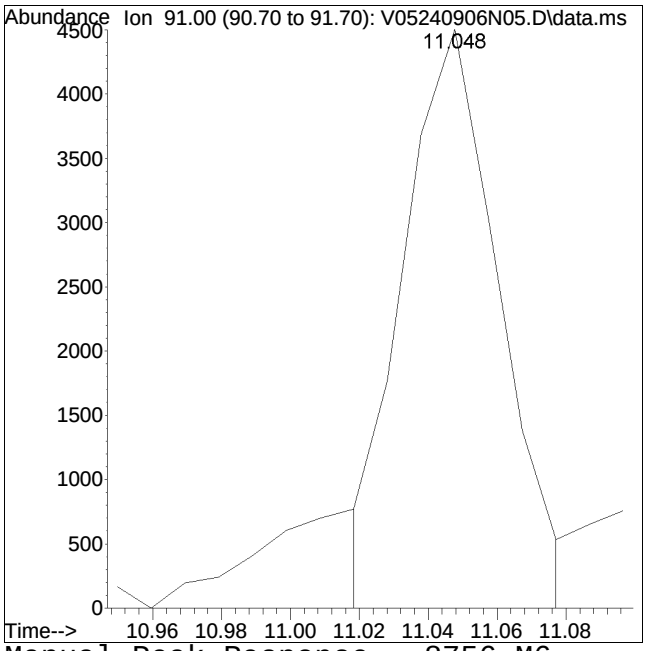
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Data File : V05240906N05.D
Date Inj'd : 9/6/2024 6:30 pm
Sample : I8260STD0.5PPB

Method : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/9/2024 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 10856



Manual Peak Response = 8756 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N07.D
Acq On : 6 Sep 2024 7:21 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 11:22:26 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	312068	10.000 ug/L	0.00
Standard Area 1 = 323219			Recovery =	96.55%	
59) Chlorobenzene-d5	9.177	117	242102	10.000 ug/L	0.00
Standard Area 1 = 257237			Recovery =	94.12%	
79) 1,4-Dichlorobenzene-d4	11.949	152	151374	10.000 ug/L	0.00
Standard Area 1 = 168721			Recovery =	89.72%	
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	89225	10.231 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.31%	
43) 1,2-Dichloroethane-d4	5.411	65	93691	10.391 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.91%	
60) Toluene-d8	7.347	98	303710	10.387 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.87%	
83) 4-Bromofluorobenzene	10.715	95	107596	10.244 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.44%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.498	85	18418	2.016 ug/L	97
3) Chloromethane	1.674	50	18354	2.081 ug/L	94
4) Vinyl chloride	1.743	62	15728	2.050 ug/L #	1
5) Bromomethane	2.026	94	6382	1.709 ug/L	95
6) Chloroethane	2.114	64	13915	2.683 ug/L	87
7) Trichlorofluoromethane	2.251	101	24565	2.127 ug/L	99
8) Ethyl ether	2.535	74	5703	2.051 ug/L #	44
10) 1,1-Dichloroethene	2.711	96	11608	2.020 ug/L	96
11) Carbon disulfide	2.740	76	36953	2.090 ug/L	99
12) Freon-113	2.740	101	13317	2.108 ug/L	82
13) Iodomethane	2.848	142	17012	1.763 ug/L	90
14) Acrolein	3.053	56	1286	1.681 ug/L	93
15) Methylene chloride	3.249	84	14254	2.090 ug/L #	70
17) Acetone	3.317	43	3400	2.305 ug/L #	77
18) trans-1,2-Dichloroethene	3.396	96	13140	1.935 ug/L	97
19) Methyl acetate	3.435	43	5709M6	1.753 ug/L	
20) Methyl tert-butyl ether	3.484	73	27726	1.854 ug/L #	77
21) tert-Butyl alcohol	3.601	59	3102	9.168 ug/L #	72
22) Diisopropyl ether	3.836	45	40833	1.795 ug/L #	86
23) 1,1-Dichloroethane	3.963	63	25631	2.072 ug/L	97
24) Halothane	4.022	117	10095	1.848 ug/L	98

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N07.D
Acq On : 6 Sep 2024 7:21 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 11:22:26 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.041	53	3073	1.790	ug/L	#	85
26) Ethyl tert-butyl ether	4.168	59	28642	1.708	ug/L	#	76
27) Vinyl acetate	4.207	43	18916M6	1.501	ug/L		
28) cis-1,2-Dichloroethene	4.472	96	15279	1.986	ug/L		96
29) 2,2-Dichloropropane	4.560	77	19564	1.940	ug/L	#	80
30) Bromochloromethane	4.657	128	7789	2.098	ug/L	#	78
31) Cyclohexane	4.638	56	22007	1.844	ug/L		82
32) Chloroform	4.726	83	28140	2.176	ug/L		93
33) Ethyl acetate	4.853	43	8818	1.693	ug/L	#	87
34) Carbon tetrachloride	4.843	117	21329	1.921	ug/L		97
35) Tetrahydrofuran	4.882	42	3256M6	1.944	ug/L		
37) 1,1,1-Trichloroethane	4.902	97	23588	1.957	ug/L		94
39) 2-Butanone	5.049	43	3456	1.541	ug/L	#	58
40) 1,1-Dichloropropene	5.029	75	16682	1.869	ug/L		92
41) Benzene	5.274	78	52308	1.990	ug/L		95
42) tert-Amyl methyl ether	5.381	73	23440	1.692	ug/L		97
44) 1,2-Dichloroethane	5.479	62	18446	2.125	ug/L		100
47) Methyl cyclohexane	5.831	83	20982	1.740	ug/L		84
48) Trichloroethene	5.860	95	16190	2.069	ug/L		96
50) Dibromomethane	6.301	93	8238	2.029	ug/L		90
51) 1,2-Dichloropropane	6.398	63	12991	1.979	ug/L		91
53) 2-Chloroethyl vinyl ether	7.103	63	4910	1.521	ug/L	#	86
54) Bromodichloromethane	6.477	83	18680	1.943	ug/L		98
57) 1,4-Dioxane	6.692	88	15208	371.082	ug/L	#	86
58) cis-1,3-Dichloropropene	7.161	75	17705	1.750	ug/L	#	73
61) Toluene	7.406	92	35511	2.089	ug/L		96
62) 4-Methyl-2-pentanone	7.856	58	2025	1.599	ug/L	#	35
63) Tetrachloroethene	7.846	166	17686	1.972	ug/L		93
65) trans-1,3-Dichloropropene	7.905	75	15102	1.826	ug/L	#	63
67) Ethyl methacrylate	8.090	69	8273	1.611	ug/L		80
68) 1,1,2-Trichloroethane	8.090	83	9001	2.141	ug/L		95
69) Chlorodibromomethane	8.296	129	13489	1.881	ug/L		95
70) 1,3-Dichloropropane	8.403	76	16832	2.040	ug/L		95
71) 1,2-Dibromoethane	8.560	107	10442	1.844	ug/L		98
72) 2-Hexanone	8.873	43	4078	1.454	ug/L	#	65
73) Chlorobenzene	9.196	112	40546	2.018	ug/L		90
74) Ethylbenzene	9.236	91	64927	1.913	ug/L		95
75) 1,1,1,2-Tetrachloroethane	9.285	131	14346	1.945	ug/L		93
76) p/m Xylene	9.422	106	49410	3.770	ug/L		86
77) o Xylene	9.970	106	45818	3.690	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N07.D
Acq On : 6 Sep 2024 7:21 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 11:22:26 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.039	104	77296	3.762	ug/L	#	84
80) Bromoform	10.068	173	7876	1.756	ug/L		99
82) Isopropylbenzene	10.372	105	62435	1.783	ug/L		95
84) Bromobenzene	10.823	156	18070	1.963	ug/L		98
85) n-Propylbenzene	10.872	91	76504	1.870	ug/L		94
86) 1,4-Dichlorobutane	10.901	55	18332	2.086	ug/L		90
87) 1,1,2,2-Tetrachloroethane	10.979	83	12062	1.984	ug/L		99
88) 4-Ethyltoluene	10.999	105	62517	1.834	ug/L		96
89) 2-Chlorotoluene	11.038	91	47027M6	2.039	ug/L		
90) 1,3,5-Trimethylbenzene	11.097	105	57002	1.895	ug/L		94
91) 1,2,3-Trichloropropane	11.116	75	9462	2.004	ug/L		92
92) trans-1,4-Dichloro-2-b...	11.175	53	3816	1.894	ug/L		88
93) 4-Chlorotoluene	11.234	91	46502M6	1.951	ug/L		
94) tert-Butylbenzene	11.450	119	46081	1.749	ug/L		97
97) 1,2,4-Trimethylbenzene	11.528	105	52439	1.820	ug/L		95
98) sec-Butylbenzene	11.645	105	71500	1.855	ug/L		98
99) p-Isopropyltoluene	11.802	119	57936	1.744	ug/L		94
100) 1,3-Dichlorobenzene	11.871	146	35224	1.937	ug/L		95
101) 1,4-Dichlorobenzene	11.969	146	37018	1.980	ug/L		97
102) p-Diethylbenzene	12.184	119	32303	1.678	ug/L		96
103) n-Butylbenzene	12.243	91	51583	1.888	ug/L		94
104) 1,2-Dichlorobenzene	12.400	146	32081	1.953	ug/L		95
105) 1,2,4,5-Tetramethylben...	12.988	119	40026	1.478	ug/L		94
106) 1,2-Dibromo-3-chloropr...	13.183	155	1723	1.713	ug/L		90
107) 1,3,5-Trichlorobenzene	13.213	180	25129	1.883	ug/L		96
108) Hexachlorobutadiene	13.781	225	8916	1.832	ug/L		97
109) 1,2,4-Trichlorobenzene	13.820	180	19524	1.781	ug/L		95
110) Naphthalene	14.114	128	30064	1.540	ug/L		100
111) 1,2,3-Trichlorobenzene	14.281	180	17096	1.834	ug/L		96

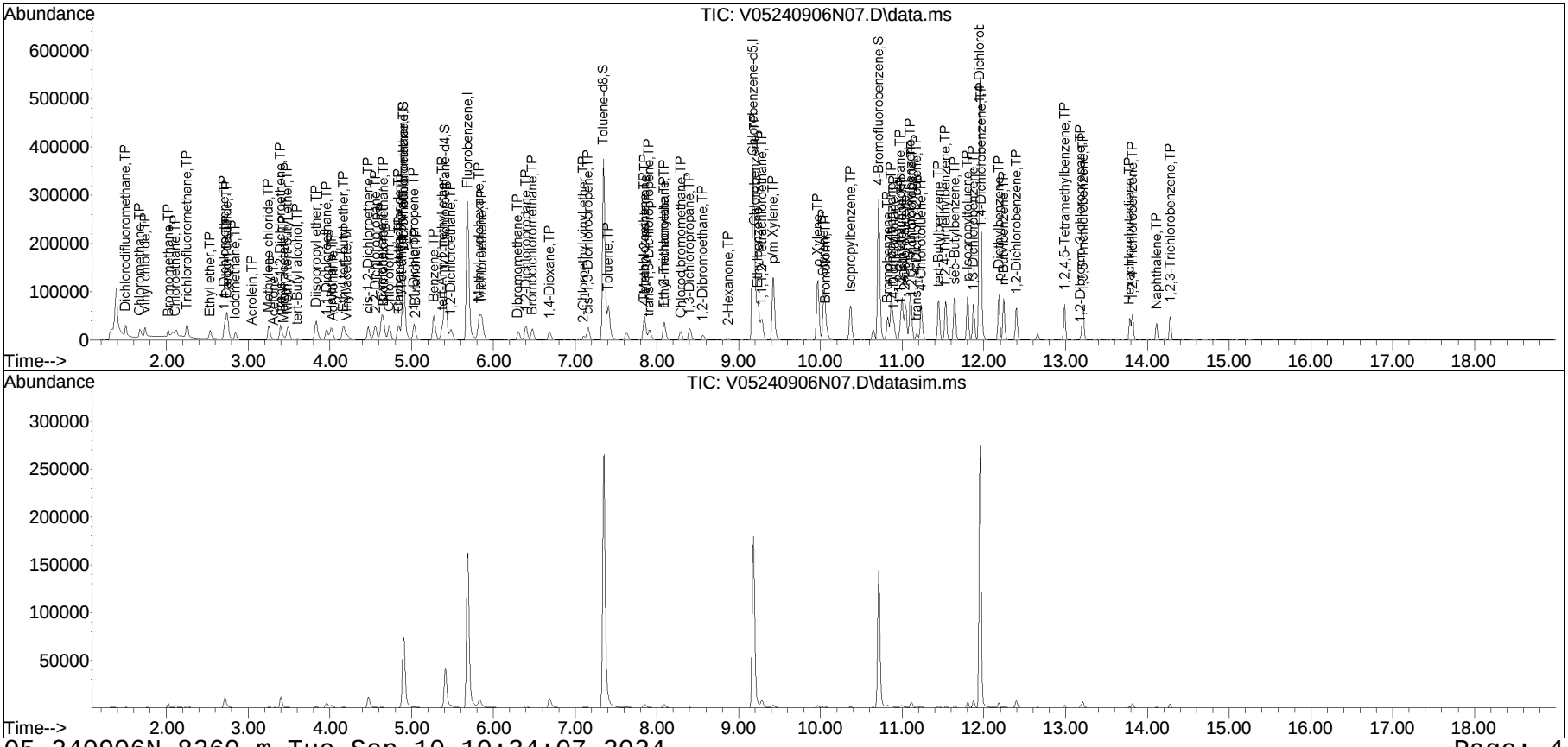
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N07.D
Acq On : 6 Sep 2024 7:21 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 11:22:26 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•

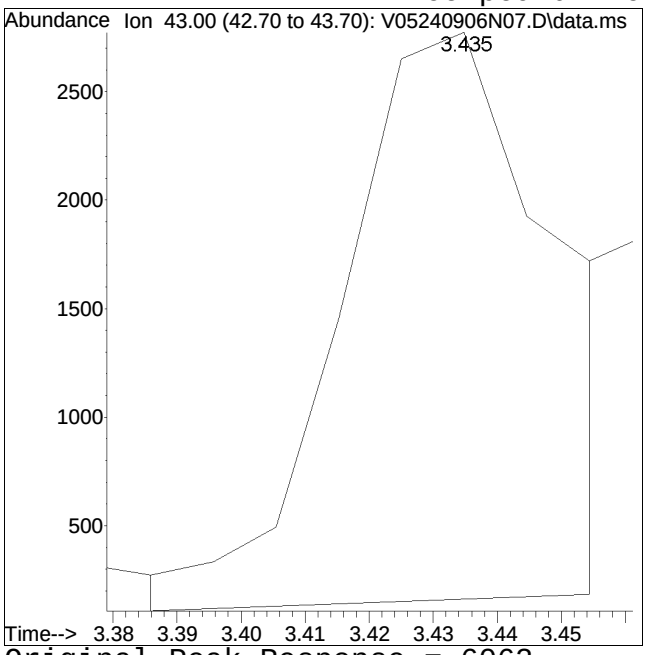


Manual Integration Report

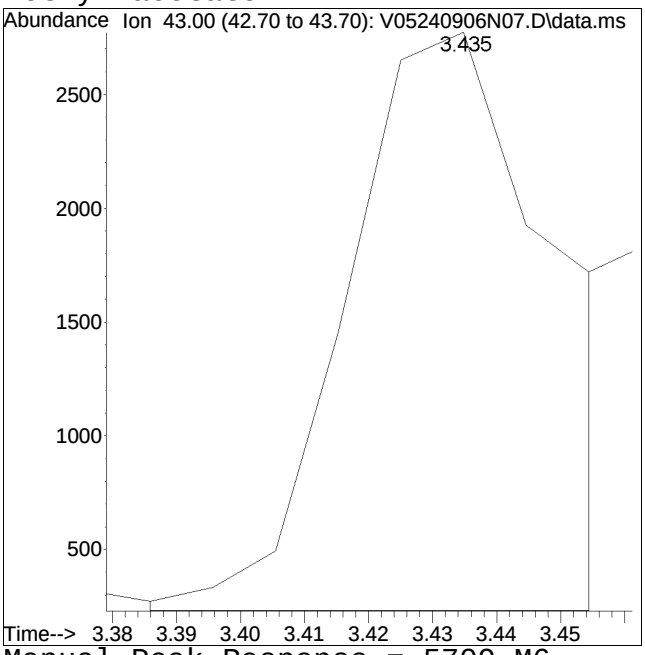
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N07.D
Date Inj'd : 9/6/2024 7:21 pm
Sample : I8260STD2PPB

Method : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/9/2024 11:22 am

Compound #19: Methyl acetate



Original Peak Response = 6062



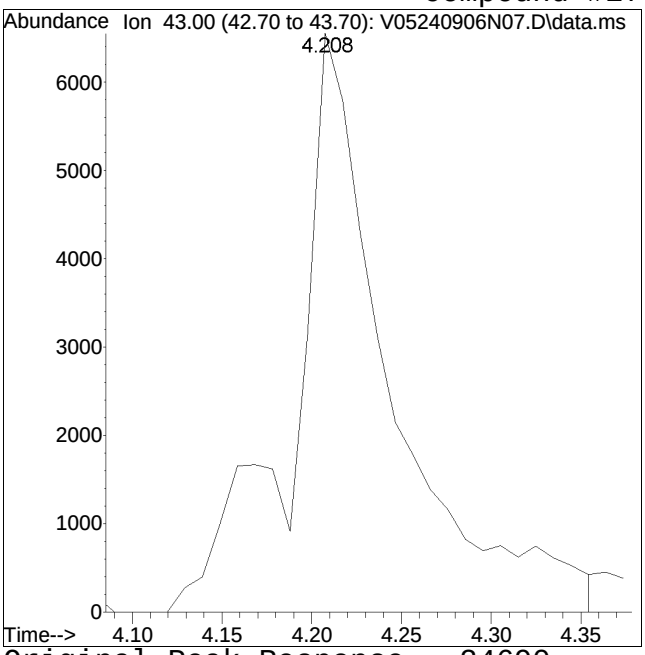
Manual Peak Response = 5709 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

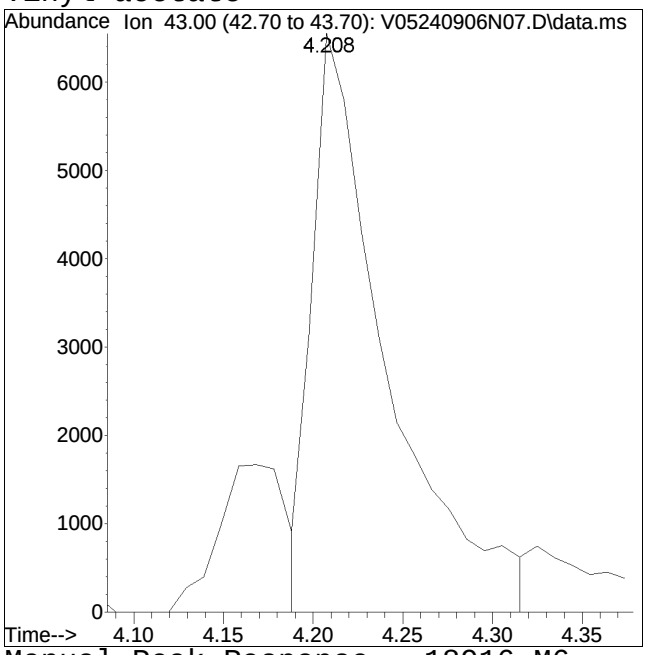
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N07.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 7:21 pm Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 9/9/2024 11:22 am

Compound #27: Vinyl acetate



Original Peak Response = 24690



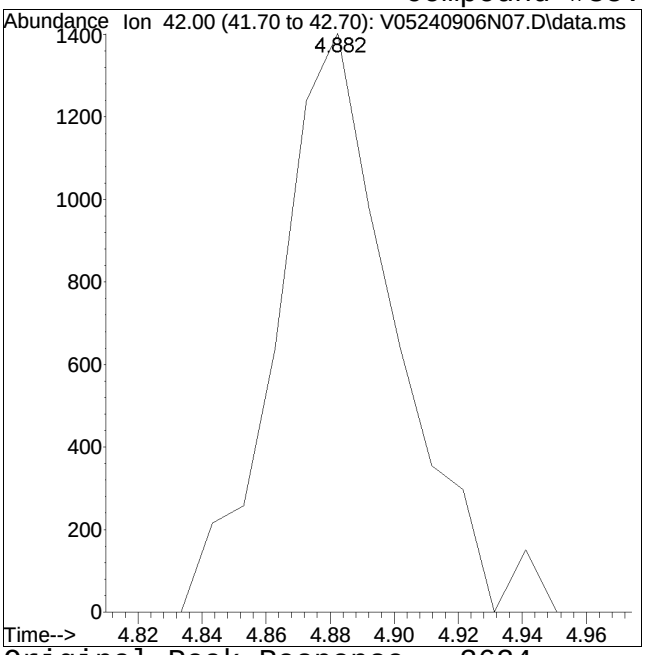
Manual Peak Response = 18916 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

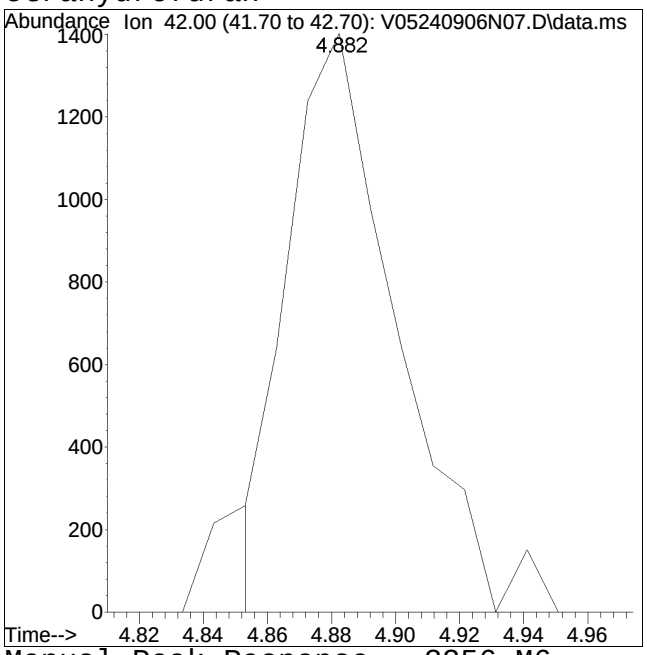
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N07.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 7:21 pm Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 9/9/2024 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 3624



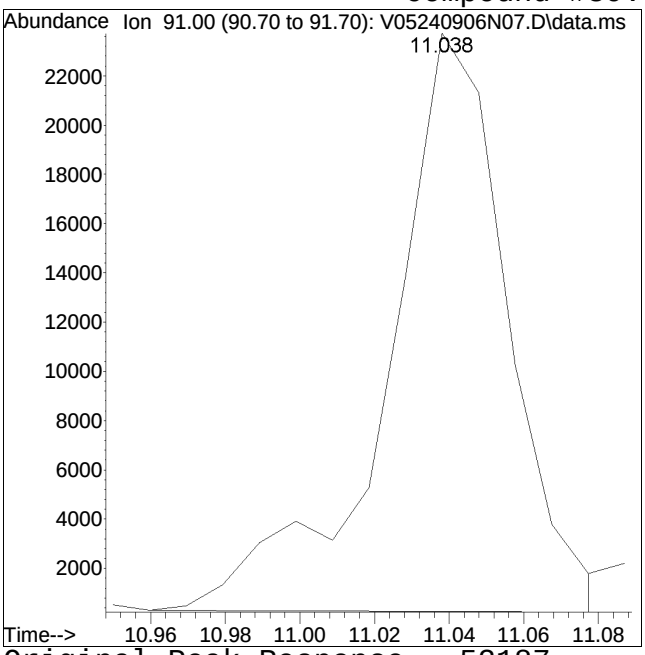
Manual Peak Response = 3256 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

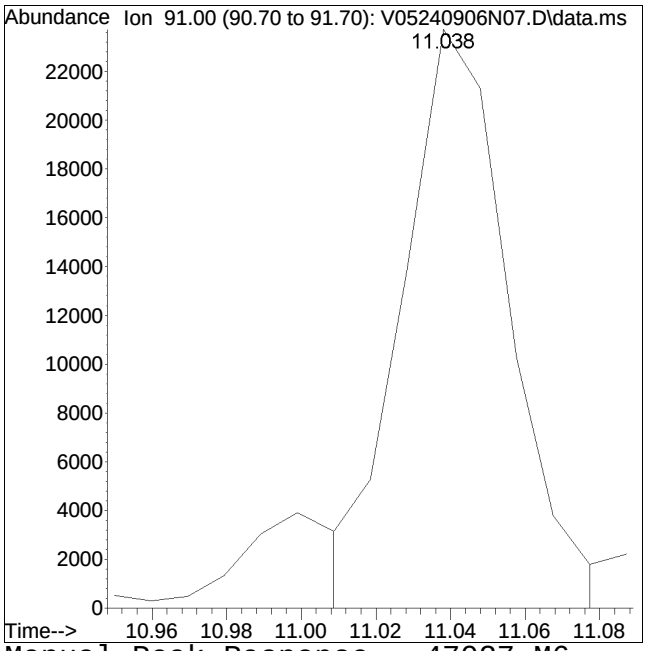
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N07.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 7:21 pm Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 9/9/2024 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 52187



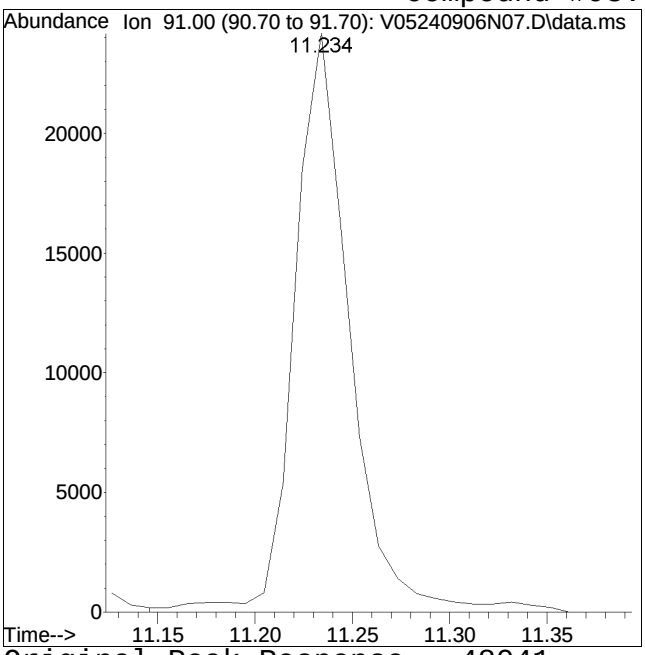
Manual Peak Response = 47027 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

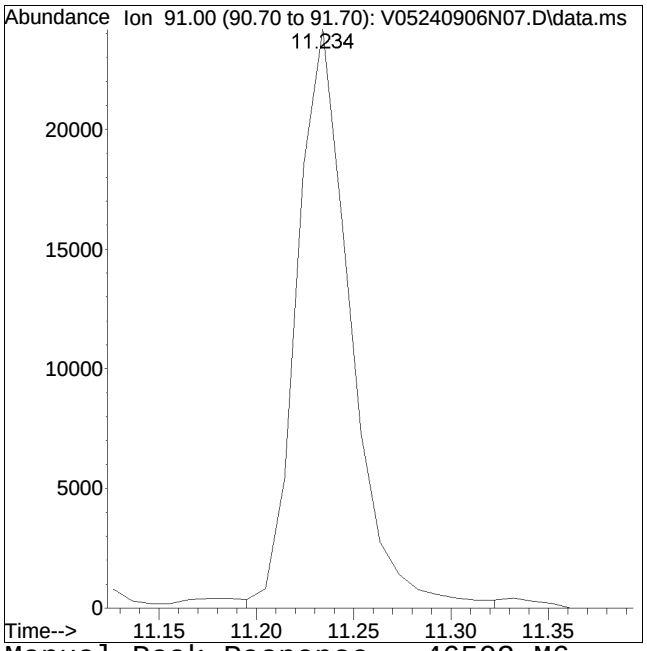
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N07.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 7:21 pm Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 9/9/2024 11:22 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 48041



Manual Peak Response = 46502 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N09.D
Acq On : 6 Sep 2024 8:12 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 11:22:34 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	323219	10.000 ug/L	0.00
Standard Area 1 = 323219			Recovery = 100.00%		
59) Chlorobenzene-d5	9.177	117	257237	10.000 ug/L	0.00
Standard Area 1 = 257237			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	11.949	152	168721	10.000 ug/L	0.00
Standard Area 1 = 168721			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	89003	9.853 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.53%		
43) 1,2-Dichloroethane-d4	5.410	65	97396	10.429 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.29%		
60) Toluene-d8	7.347	98	320062	10.302 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.02%		
83) 4-Bromofluorobenzene	10.715	95	113997	9.738 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.38%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.498	85	106319	11.237 ug/L	98
3) Chloromethane	1.674	50	99319	10.874 ug/L	97
4) Vinyl chloride	1.743	62	87819	11.051 ug/L	81
5) Bromomethane	2.026	94	36568	9.453 ug/L	100
6) Chloroethane	2.114	64	52829	9.834 ug/L	97
7) Trichlorofluoromethane	2.251	101	131339	10.982 ug/L	98
8) Ethyl ether	2.535	74	29139	10.119 ug/L #	47
10) 1,1-Dichloroethene	2.711	96	64408	10.824 ug/L	97
11) Carbon disulfide	2.740	76	198657	10.846 ug/L	100
12) Freon-113	2.740	101	72300	11.049 ug/L	84
13) Iodomethane	2.848	142	100319	10.039 ug/L	92
14) Acrolein	3.043	56	7259	9.163 ug/L	95
15) Methylene chloride	3.249	84	73073	10.344 ug/L #	71
17) Acetone	3.317	43	15192	9.944 ug/L	96
18) trans-1,2-Dichloroethene	3.395	96	74660	10.614 ug/L	96
19) Methyl acetate	3.415	43	31646M6	9.384 ug/L	
20) Methyl tert-butyl ether	3.484	73	154029	9.945 ug/L #	84
21) tert-Butyl alcohol	3.601	59	15622	44.579 ug/L	95
22) Diisopropyl ether	3.826	45	237337	10.073 ug/L #	91
23) 1,1-Dichloroethane	3.963	63	139169	10.862 ug/L	97
24) Halothane	4.012	117	60081	10.619 ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N09.D
Acq On : 6 Sep 2024 8:12 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 11:22:34 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.031	53	17418	9.796	ug/L	#	86
26) Ethyl tert-butyl ether	4.168	59	172045	9.908	ug/L	#	78
27) Vinyl acetate	4.198	43	126287M6	9.677	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	83205	10.443	ug/L		95
29) 2,2-Dichloropropane	4.559	77	111317	10.656	ug/L		84
30) Bromochloromethane	4.657	128	40808	10.612	ug/L	#	83
31) Cyclohexane	4.638	56	139747	11.306	ug/L		81
32) Chloroform	4.726	83	139157	10.389	ug/L	#	94
33) Ethyl acetate	4.843	43	47789	8.860	ug/L	#	93
34) Carbon tetrachloride	4.843	117	121821	10.594	ug/L		99
35) Tetrahydrofuran	4.872	42	16215M6	9.348	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	135310	10.836	ug/L		98
39) 2-Butanone	5.029	43	21012	9.048	ug/L	#	65
40) 1,1-Dichloropropene	5.029	75	99944	10.808	ug/L		93
41) Benzene	5.273	78	294982	10.833	ug/L		95
42) tert-Amyl methyl ether	5.371	73	142023	9.896	ug/L		99
44) 1,2-Dichloroethane	5.479	62	93125	10.358	ug/L		99
47) Methyl cyclohexane	5.831	83	136168	10.904	ug/L		89
48) Trichloroethene	5.860	95	84342	10.406	ug/L		90
50) Dibromomethane	6.300	93	42144	10.021	ug/L		86
51) 1,2-Dichloropropane	6.398	63	71776	10.555	ug/L	#	89
53) 2-Chloroethyl vinyl ether	7.093	63	32682	9.774	ug/L		88
54) Bromodichloromethane	6.476	83	100299	10.071	ug/L		99
57) 1,4-Dioxane	6.682	88	20401	480.620	ug/L	#	87
58) cis-1,3-Dichloropropene	7.151	75	107976	10.307	ug/L	#	84
61) Toluene	7.406	92	193251	10.701	ug/L		95
62) 4-Methyl-2-pentanone	7.856	58	13780	10.241	ug/L	#	63
63) Tetrachloroethene	7.846	166	102952	10.804	ug/L		90
65) trans-1,3-Dichloropropene	7.904	75	92540	10.533	ug/L		82
67) Ethyl methacrylate	8.081	69	54800	10.046	ug/L		93
68) 1,1,2-Trichloroethane	8.081	83	46850	10.486	ug/L		98
69) Chlorodibromomethane	8.286	129	75868	9.959	ug/L		98
70) 1,3-Dichloropropane	8.403	76	93845	10.704	ug/L		99
71) 1,2-Dibromoethane	8.560	107	63282	10.520	ug/L		98
72) 2-Hexanone	8.853	43	26704	8.959	ug/L	#	84
73) Chlorobenzene	9.196	112	223741	10.481	ug/L		87
74) Ethylbenzene	9.235	91	390530	10.829	ug/L		94
75) 1,1,1,2-Tetrachloroethane	9.284	131	79643	10.162	ug/L		96
76) p/m Xylene	9.422	106	308240	22.134	ug/L		84
77) o Xylene	9.960	106	291389	22.087	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N09.D
Acq On : 6 Sep 2024 8:12 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 11:22:34 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.039	104	483669	22.157	ug/L	#	84
80) Bromoform	10.068	173	45982	9.199	ug/L		96
82) Isopropylbenzene	10.362	105	416003	10.661	ug/L		96
84) Bromobenzene	10.822	156	102348	9.976	ug/L		100
85) n-Propylbenzene	10.862	91	490205	10.751	ug/L		94
86) 1,4-Dichlorobutane	10.891	55	99820	10.189	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	66128	9.758	ug/L		97
88) 4-Ethyltoluene	10.999	105	404587	10.650	ug/L		97
89) 2-Chlorotoluene	11.038	91	273462M6	10.639	ug/L		
90) 1,3,5-Trimethylbenzene	11.097	105	360456	10.751	ug/L		95
91) 1,2,3-Trichloropropane	11.116	75	52857M1	10.045	ug/L		
92) trans-1,4-Dichloro-2-b...	11.175	53	21880	9.742	ug/L	#	81
93) 4-Chlorotoluene	11.234	91	282364M4	10.628	ug/L		
94) tert-Butylbenzene	11.449	119	314412	10.709	ug/L		98
97) 1,2,4-Trimethylbenzene	11.528	105	346392	10.787	ug/L		93
98) sec-Butylbenzene	11.635	105	461585	10.745	ug/L		96
99) p-Isopropyltoluene	11.802	119	402806	10.876	ug/L		93
100) 1,3-Dichlorobenzene	11.871	146	210767	10.399	ug/L		96
101) 1,4-Dichlorobenzene	11.969	146	212174	10.184	ug/L		95
102) p-Diethylbenzene	12.184	119	227743	10.616	ug/L		96
103) n-Butylbenzene	12.243	91	333345	10.948	ug/L		97
104) 1,2-Dichlorobenzene	12.390	146	188882	10.316	ug/L		95
105) 1,2,4,5-Tetramethylben...	12.987	119	312190	10.342	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	10636	9.489	ug/L		98
107) 1,3,5-Trichlorobenzene	13.213	180	154474	10.386	ug/L		95
108) Hexachlorobutadiene	13.781	225	55015	10.140	ug/L		99
109) 1,2,4-Trichlorobenzene	13.810	180	123657	10.121	ug/L		98
110) Naphthalene	14.104	128	215152	9.891	ug/L		100
111) 1,2,3-Trichlorobenzene	14.280	180	106376	10.240	ug/L		98

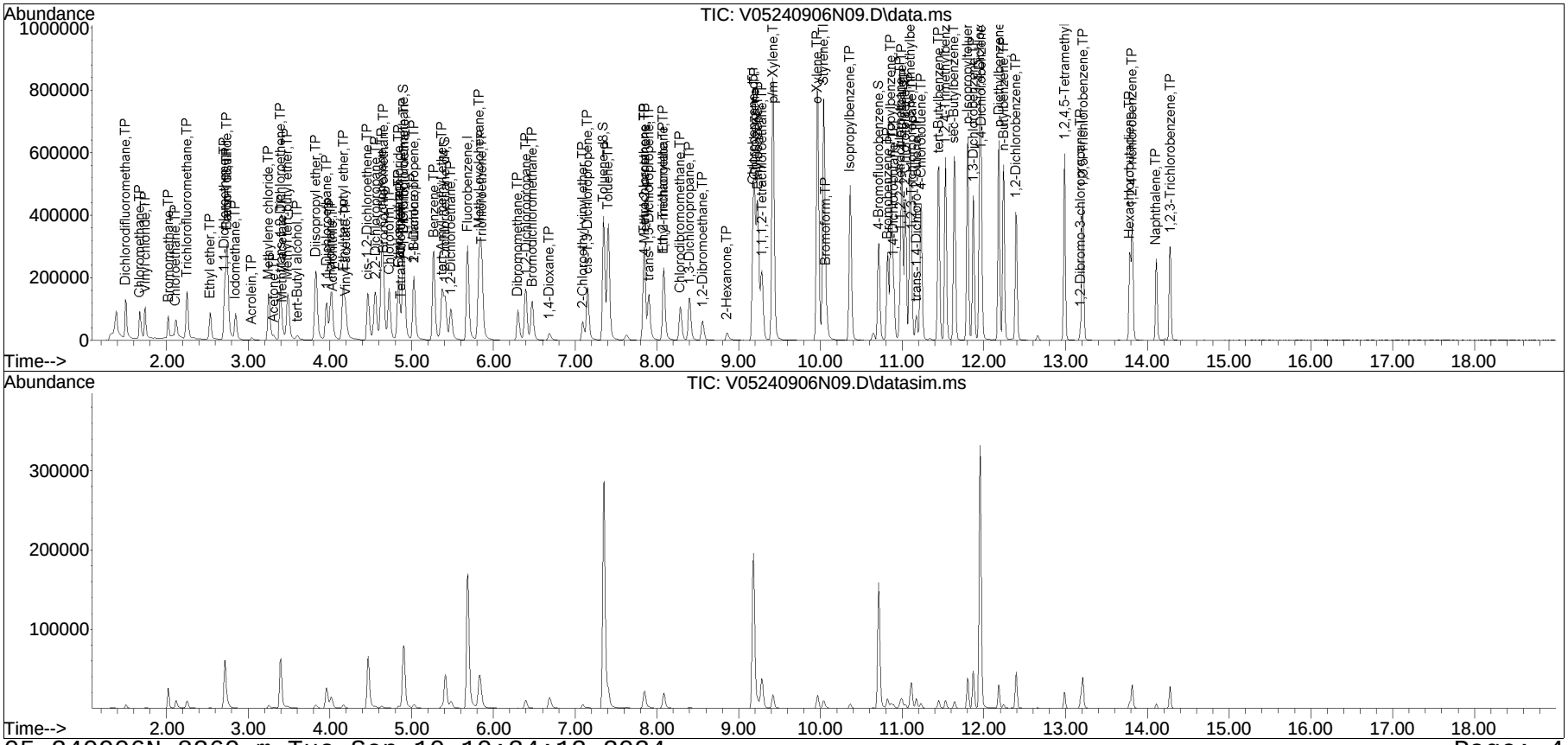
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N09.D
Acq On : 6 Sep 2024 8:12 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 11:22:34 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

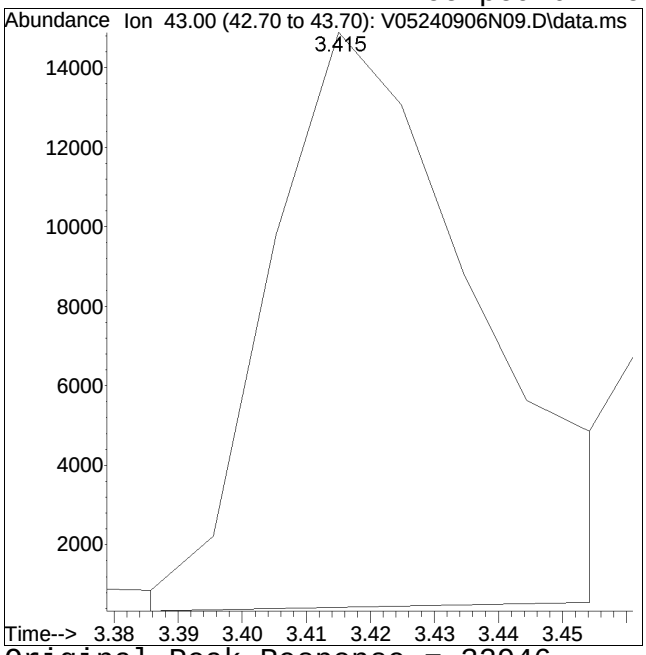
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•



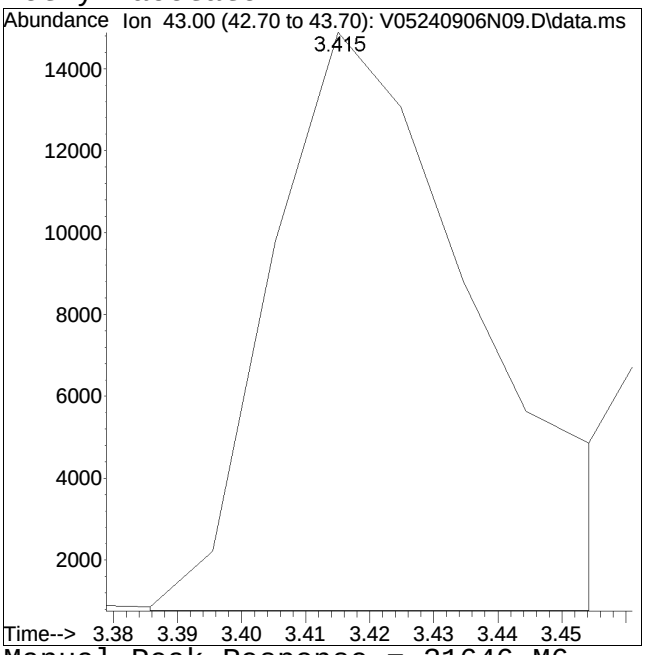
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N09.D
Date Inj'd : 9/6/2024 8:12 pm
Sample : I8260STD10PPB
Method : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/9/2024 11:22 am

Compound #19: Methyl acetate



Original Peak Response = 32946



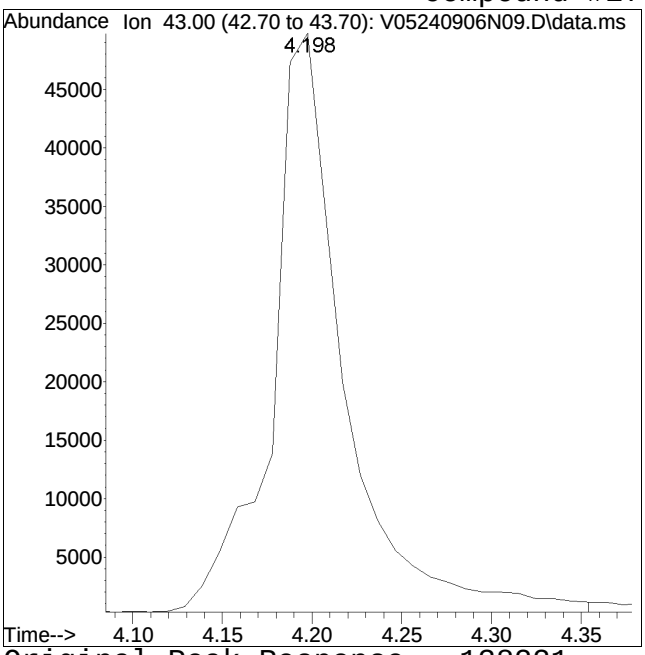
Manual Peak Response = 31646 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

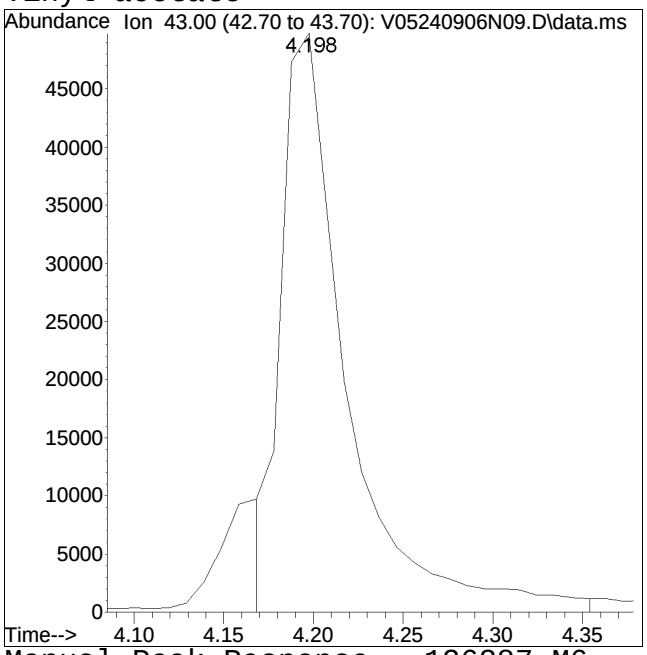
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N09.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:12 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 9/9/2024 11:22 am

Compound #27: Vinyl acetate



Original Peak Response = 138221



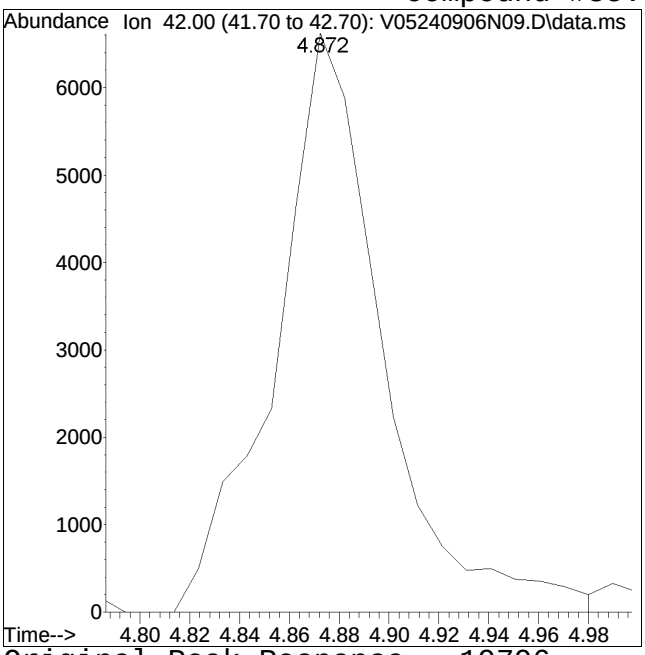
Manual Peak Response = 126287 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

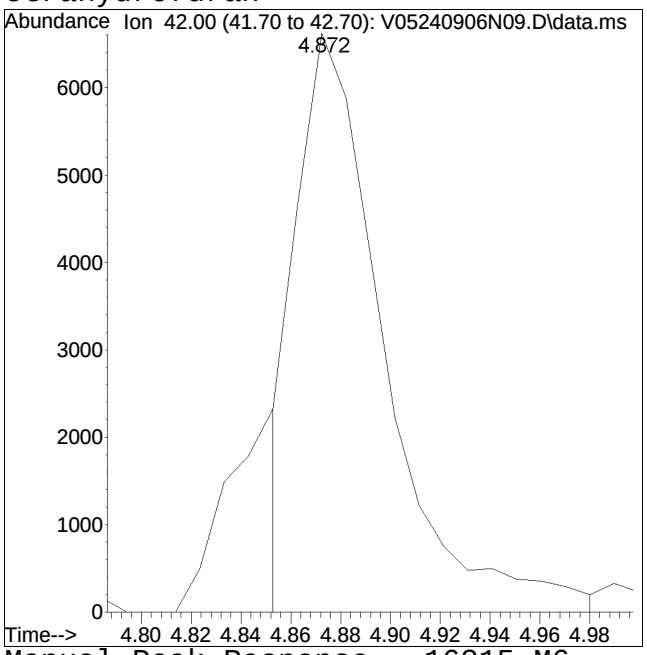
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N09.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:12 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 9/9/2024 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 19796



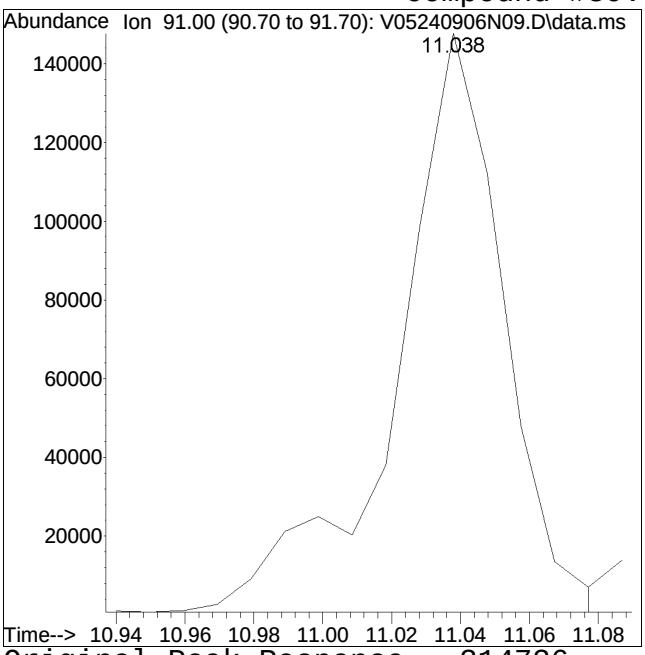
Manual Peak Response = 16215 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

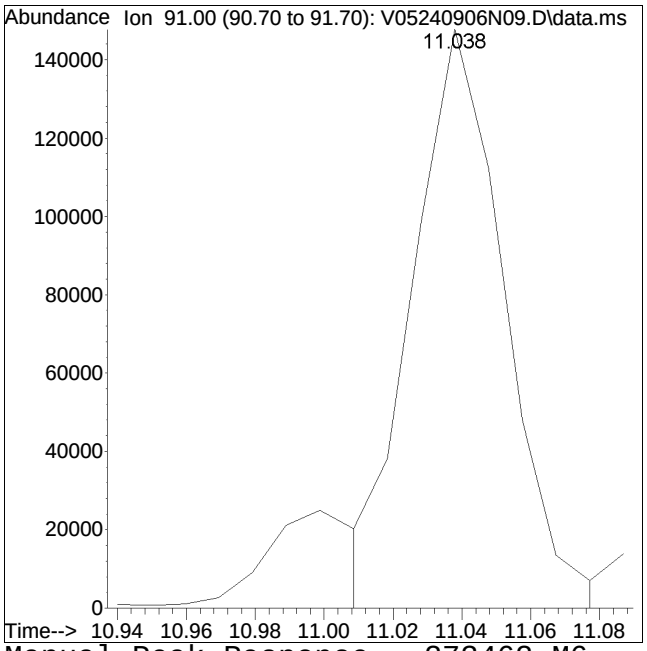
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N09.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:12 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 9/9/2024 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 314736



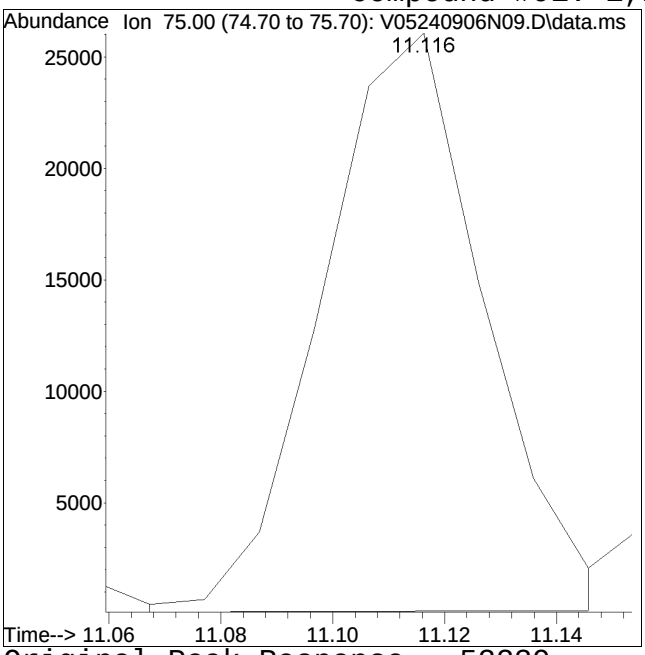
Manual Peak Response = 273462 M6

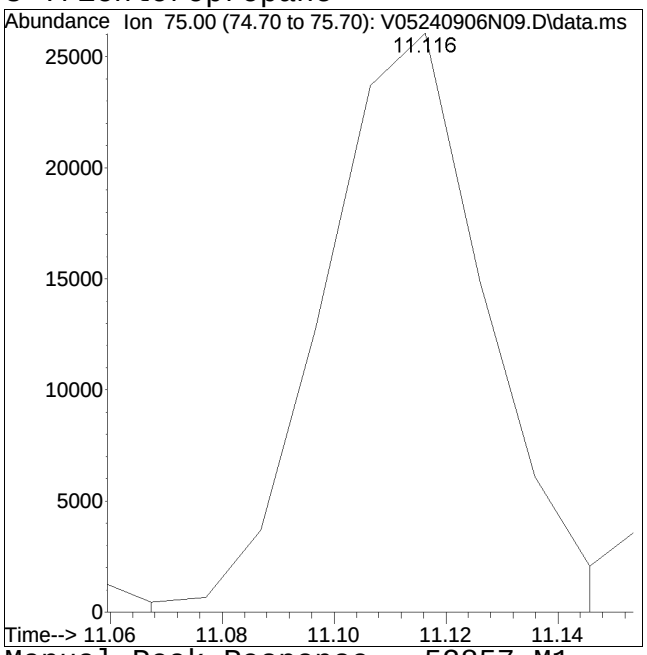
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N09.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:12 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 9/9/2024 11:22 am

Compound #91: 1,2,3-Trichloropropane



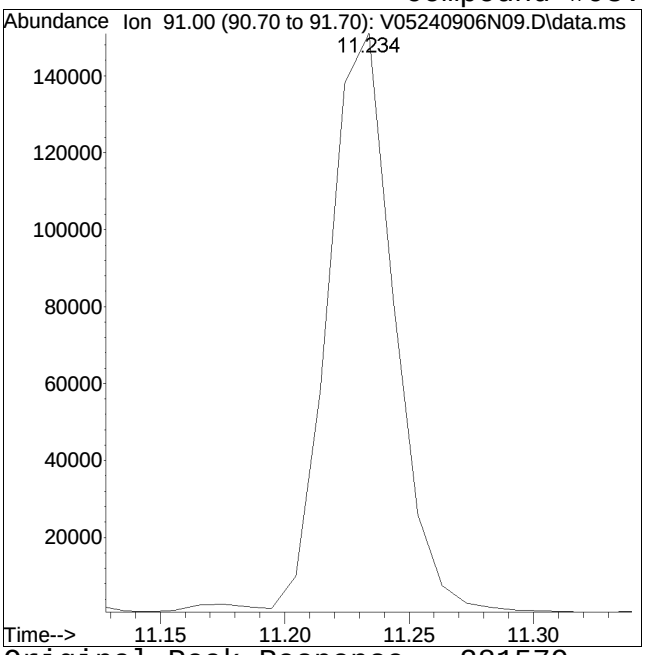


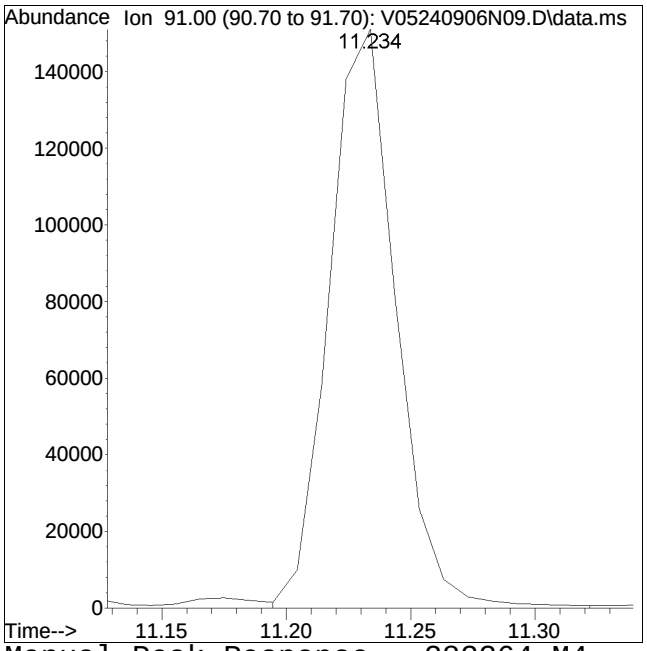
Original Peak Response = 52239 Manual Peak Response = 52857 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N09.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:12 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 9/9/2024 11:22 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 281579 Manual Peak Response = 282364 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N10.D
Acq On : 6 Sep 2024 8:37 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 11:22:43 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	348720	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery = 107.89%			
59) Chlorobenzene-d5	9.177	117	288773	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery = 112.26%			
79) 1,4-Dichlorobenzene-d4	11.949	152	189669	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery = 112.42%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	96225	9.874	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.74%			
43) 1,2-Dichloroethane-d4	5.410	65	98415	9.768	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.68%			
60) Toluene-d8	7.347	98	347341	9.959	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.59%			
83) 4-Bromofluorobenzene	10.715	95	126170	9.587	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.508	85	321760	31.521	ug/L	97
3) Chloromethane	1.674	50	309571	31.416	ug/L	96
4) Vinyl chloride	1.743	62	272089	31.734	ug/L	94
5) Bromomethane	2.026	94	122230	29.287	ug/L	99
6) Chloroethane	2.114	64	159984	27.603	ug/L	96
7) Trichlorofluoromethane	2.251	101	403978	31.310	ug/L	99
8) Ethyl ether	2.535	74	97106	31.255	ug/L #	54
10) 1,1-Dichloroethene	2.711	96	197120	30.704	ug/L	97
11) Carbon disulfide	2.740	76	607390	30.735	ug/L	100
12) Freon-113	2.750	101	217421	30.797	ug/L	81
13) Iodomethane	2.848	142	344976	31.998	ug/L	92
14) Acrolein	3.043	56	25499	29.834	ug/L	99
15) Methylene chloride	3.249	84	226654	29.737	ug/L #	73
17) Acetone	3.307	43	46989	28.507	ug/L	99
18) trans-1,2-Dichloroethene	3.396	96	235924	31.088	ug/L	97
19) Methyl acetate	3.415	43	113176M6	31.106	ug/L	
20) Methyl tert-butyl ether	3.484	73	526825	31.527	ug/L #	86
21) tert-Butyl alcohol	3.601	59	53062	140.345	ug/L	95
22) Diisopropyl ether	3.826	45	818807	32.210	ug/L #	92
23) 1,1-Dichloroethane	3.963	63	427334	30.915	ug/L	98
24) Halothane	4.012	117	190341	31.182	ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N10.D
Acq On : 6 Sep 2024 8:37 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 11:22:43 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.021	53	57490	29.968	ug/L	#	87
26) Ethyl tert-butyl ether	4.168	59	605464	32.319	ug/L	#	76
27) Vinyl acetate	4.188	43	463877M6	32.947	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	267478	31.116	ug/L		96
29) 2,2-Dichloropropane	4.559	77	359206	31.871	ug/L		86
30) Bromochloromethane	4.657	128	128457	30.963	ug/L	#	84
31) Cyclohexane	4.638	56	439447	32.954	ug/L		82
32) Chloroform	4.726	83	433957	30.030	ug/L	#	95
33) Ethyl acetate	4.833	43	172915	29.715	ug/L	#	93
34) Carbon tetrachloride	4.843	117	389468	31.393	ug/L		98
35) Tetrahydrofuran	4.872	42	56490M6	30.186	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	421616	31.296	ug/L		98
39) 2-Butanone	5.019	43	78378	31.281	ug/L	#	61
40) 1,1-Dichloropropene	5.029	75	326214	32.698	ug/L		93
41) Benzene	5.264	78	946283	32.209	ug/L		96
42) tert-Amyl methyl ether	5.371	73	500104	32.300	ug/L		96
44) 1,2-Dichloroethane	5.479	62	297767	30.699	ug/L		97
47) Methyl cyclohexane	5.831	83	435215	32.303	ug/L		89
48) Trichloroethene	5.860	95	269794	30.854	ug/L		91
50) Dibromomethane	6.300	93	137065	30.209	ug/L	#	86
51) 1,2-Dichloropropane	6.398	63	232377	31.674	ug/L	#	89
53) 2-Chloroethyl vinyl ether	7.093	63	122340	33.912	ug/L		91
54) Bromodichloromethane	6.476	83	328243	30.550	ug/L		99
57) 1,4-Dioxane	6.682	88	28027	611.994	ug/L	#	90
58) cis-1,3-Dichloropropene	7.151	75	367855	32.546	ug/L	#	85
61) Toluene	7.406	92	629585	31.056	ug/L		96
62) 4-Methyl-2-pentanone	7.846	58	50791	33.626	ug/L	#	66
63) Tetrachloroethene	7.846	166	336574	31.464	ug/L		90
65) trans-1,3-Dichloropropene	7.895	75	318951	32.340	ug/L	#	81
67) Ethyl methacrylate	8.081	69	207678	33.914	ug/L		99
68) 1,1,2-Trichloroethane	8.081	83	156421	31.186	ug/L		99
69) Chlorodibromomethane	8.286	129	260199	30.425	ug/L		98
70) 1,3-Dichloropropane	8.393	76	310128	31.510	ug/L		98
71) 1,2-Dibromoethane	8.560	107	217487	32.206	ug/L		99
72) 2-Hexanone	8.853	43	101909	30.456	ug/L	#	86
73) Chlorobenzene	9.196	112	739981	30.877	ug/L	#	86
74) Ethylbenzene	9.235	91	1297541	32.051	ug/L		93
75) 1,1,1,2-Tetrachloroethane	9.284	131	274658	31.217	ug/L		99
76) p/m Xylene	9.422	106	1034153	66.151	ug/L		83
77) o Xylene	9.960	106	983912	66.436	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N10.D
Acq On : 6 Sep 2024 8:37 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 11:22:43 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.039	104	1662894	67.858	ug/L	#	83
80) Bromoform	10.068	173	168907	30.058	ug/L		96
82) Isopropylbenzene	10.362	105	1411164	32.169	ug/L		95
84) Bromobenzene	10.822	156	347435	30.124	ug/L		99
85) n-Propylbenzene	10.862	91	1621058	31.627	ug/L		93
86) 1,4-Dichlorobutane	10.891	55	335455	30.460	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	225404	29.587	ug/L		97
88) 4-Ethyltoluene	10.999	105	1371037	32.105	ug/L		96
89) 2-Chlorotoluene	11.038	91	902469M6	31.231	ug/L		
90) 1,3,5-Trimethylbenzene	11.097	105	1203442	31.931	ug/L		93
91) 1,2,3-Trichloropropane	11.116	75	176877M1	29.903	ug/L		
92) trans-1,4-Dichloro-2-b...	11.165	53	76699	30.377	ug/L	#	76
93) 4-Chlorotoluene	11.234	91	928420	31.086	ug/L	#	86
94) tert-Butylbenzene	11.449	119	1062008	32.178	ug/L		98
97) 1,2,4-Trimethylbenzene	11.528	105	1180884	32.714	ug/L		94
98) sec-Butylbenzene	11.636	105	1557570	32.254	ug/L		96
99) p-Isopropyltoluene	11.802	119	1377693	33.091	ug/L		93
100) 1,3-Dichlorobenzene	11.871	146	703825	30.889	ug/L		95
101) 1,4-Dichlorobenzene	11.969	146	704199	30.068	ug/L		95
102) p-Diethylbenzene	12.184	119	788442	32.694	ug/L		96
103) n-Butylbenzene	12.243	91	1098532	32.093	ug/L		96
104) 1,2-Dichlorobenzene	12.390	146	638814	31.037	ug/L		95
105) 1,2,4,5-Tetramethylben...	12.987	119	1131040	33.329	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	38341	30.429	ug/L		99
107) 1,3,5-Trichlorobenzene	13.213	180	522757	31.265	ug/L		95
108) Hexachlorobutadiene	13.791	225	188361	30.883	ug/L		98
109) 1,2,4-Trichlorobenzene	13.810	180	434333	31.624	ug/L		98
110) Naphthalene	14.104	128	794654	32.497	ug/L		100
111) 1,2,3-Trichlorobenzene	14.271	180	366274	31.364	ug/L		97

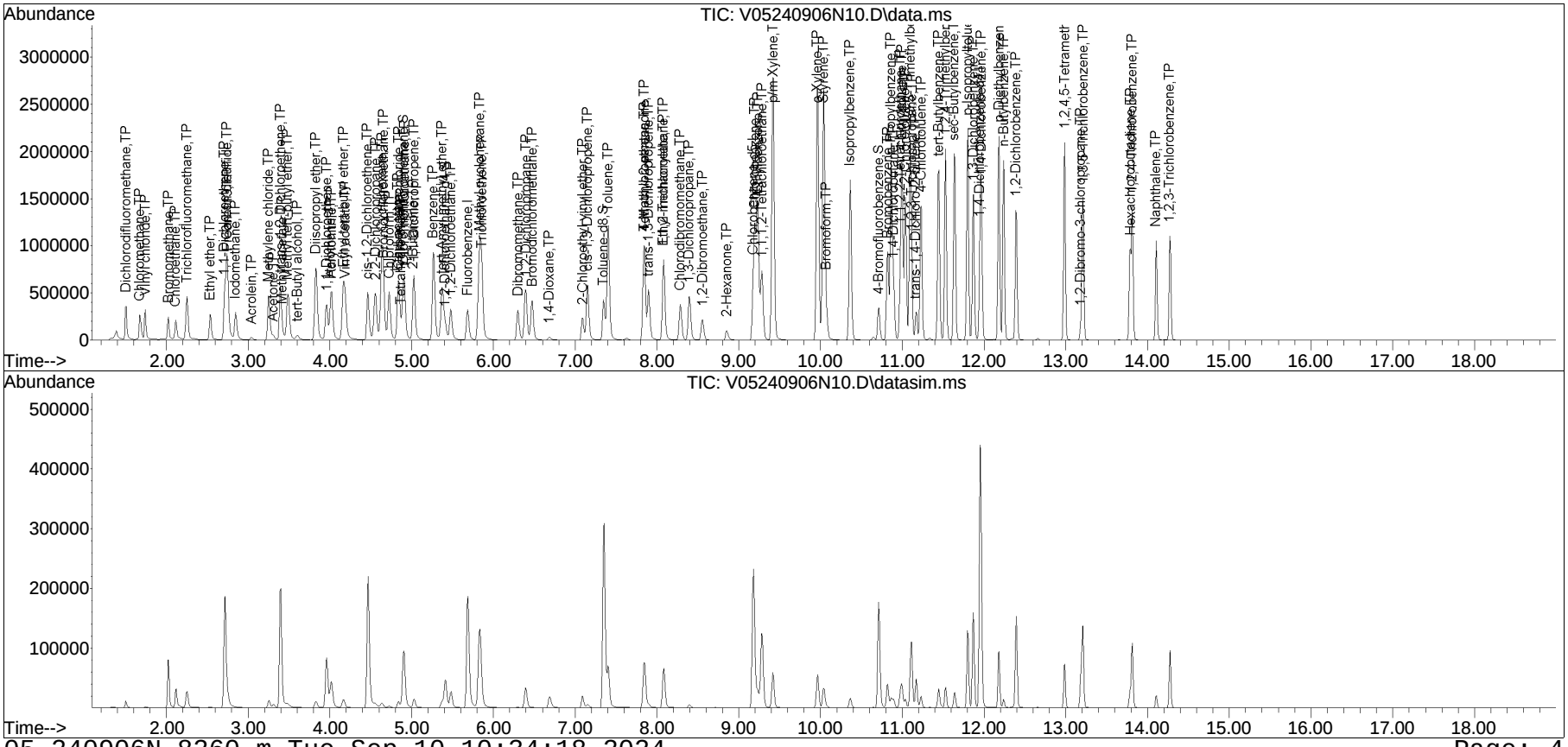
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N10.D
Acq On : 6 Sep 2024 8:37 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 11:22:43 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

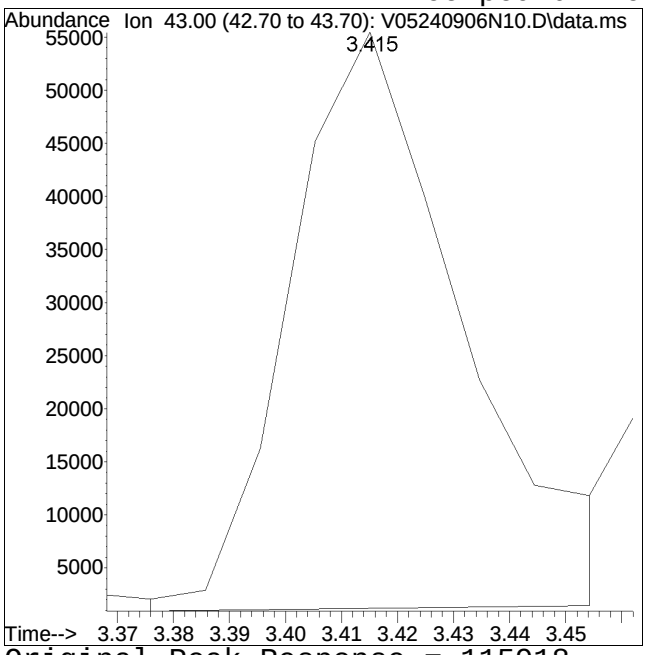
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•



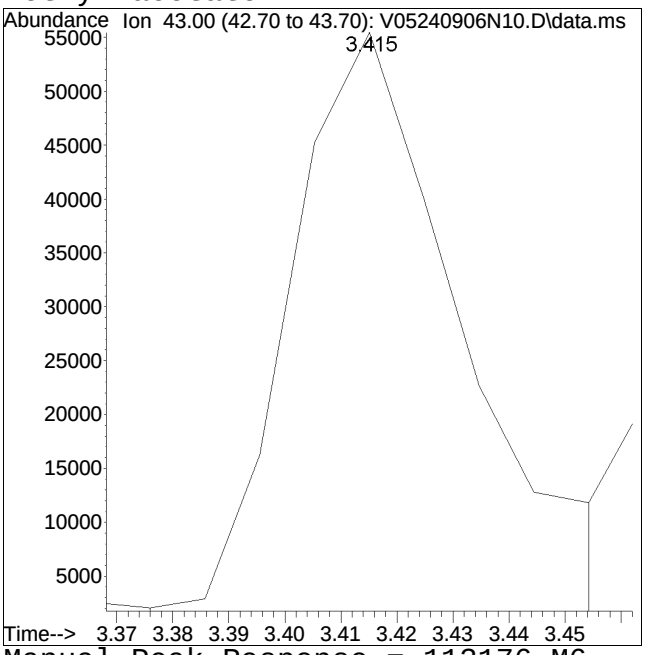
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N10.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:37 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 9/9/2024 11:22 am

Compound #19: Methyl acetate



Original Peak Response = 115918



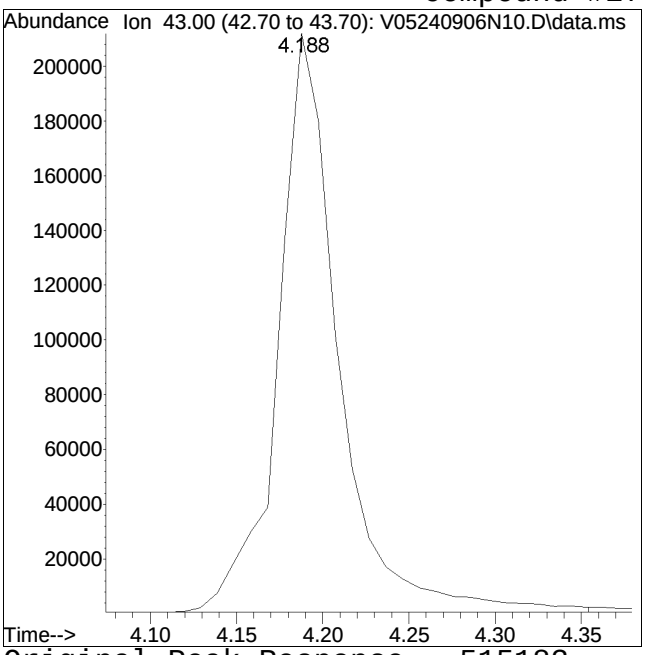
Manual Peak Response = 113176 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

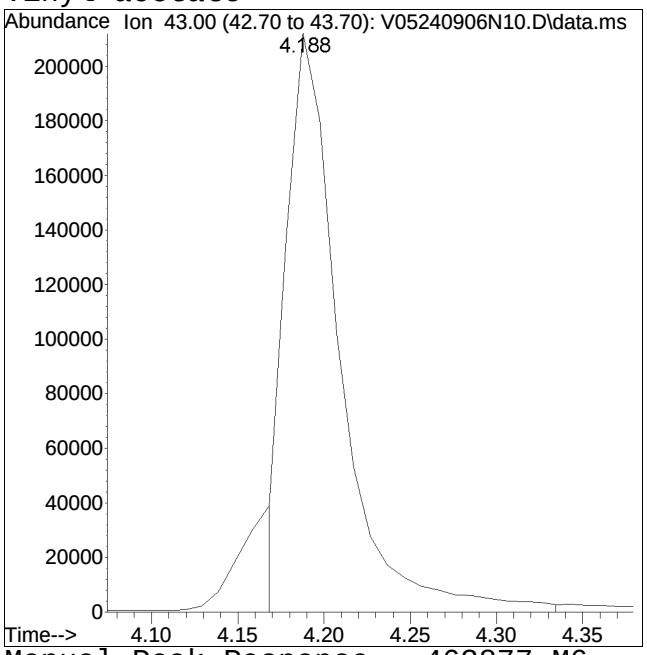
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N10.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:37 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 9/9/2024 11:22 am

Compound #27: Vinyl acetate



Original Peak Response = 515183



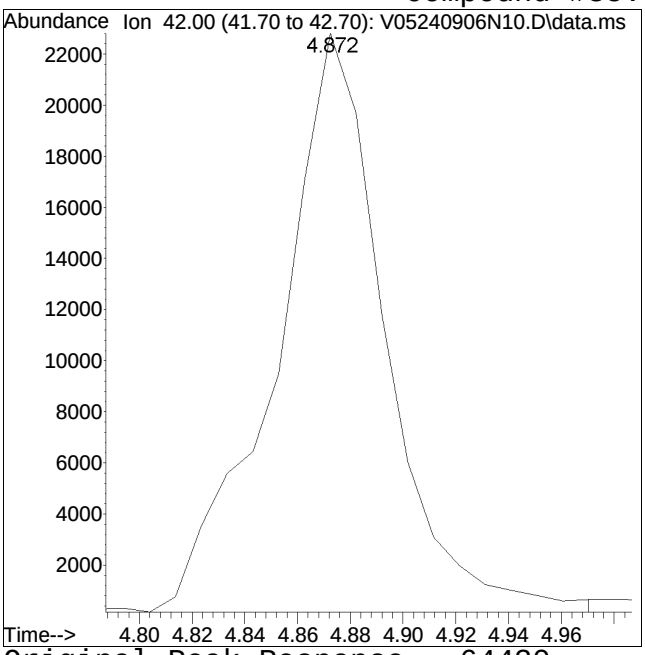
Manual Peak Response = 463877 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

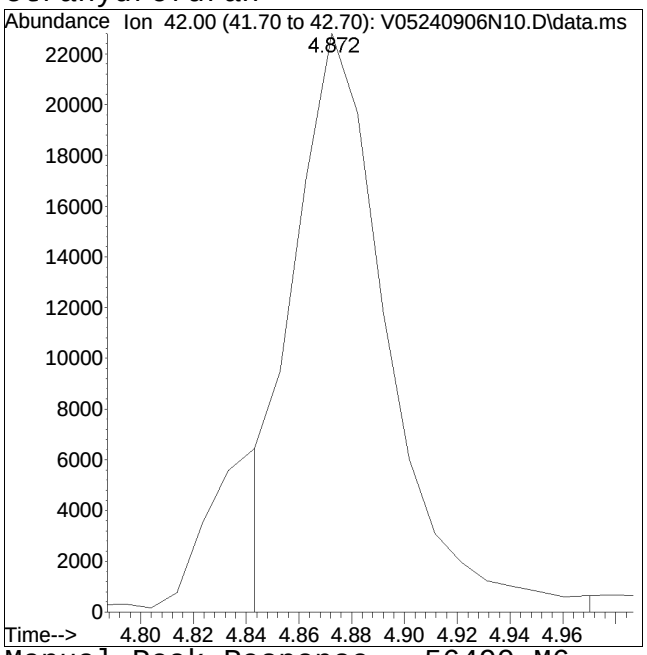
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N10.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:37 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 9/9/2024 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 64430



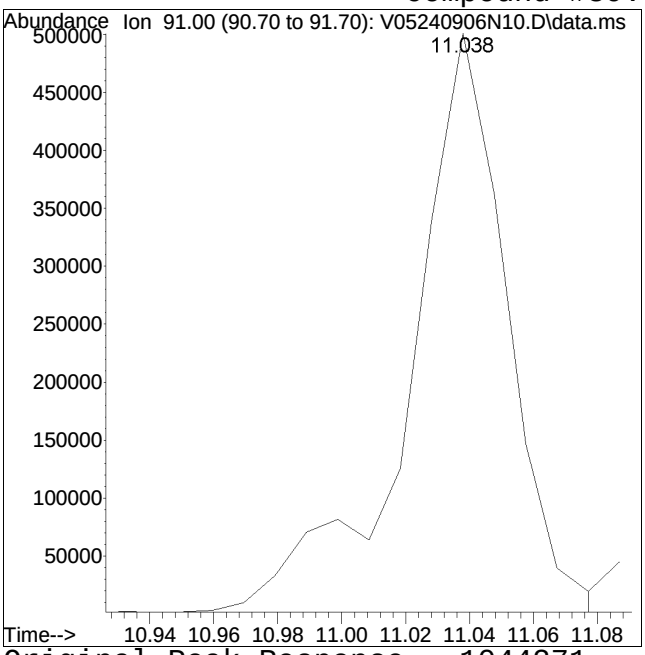
Manual Peak Response = 56490 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

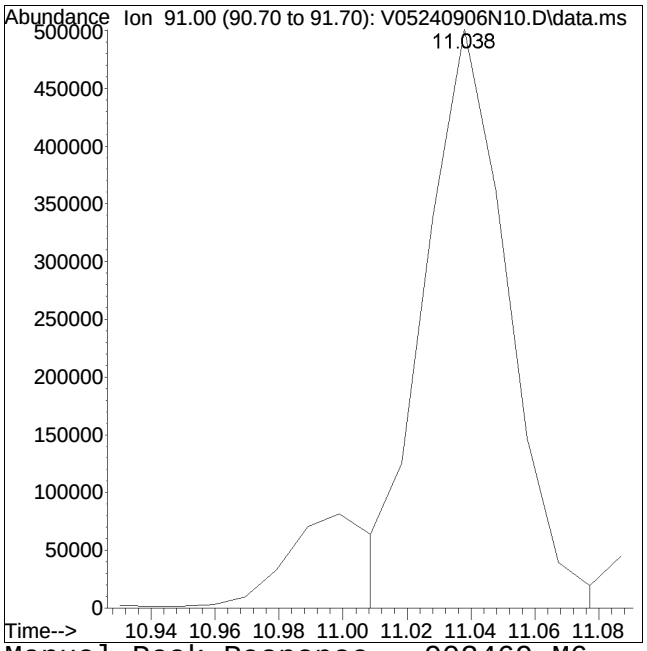
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N10.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:37 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 9/9/2024 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1044271



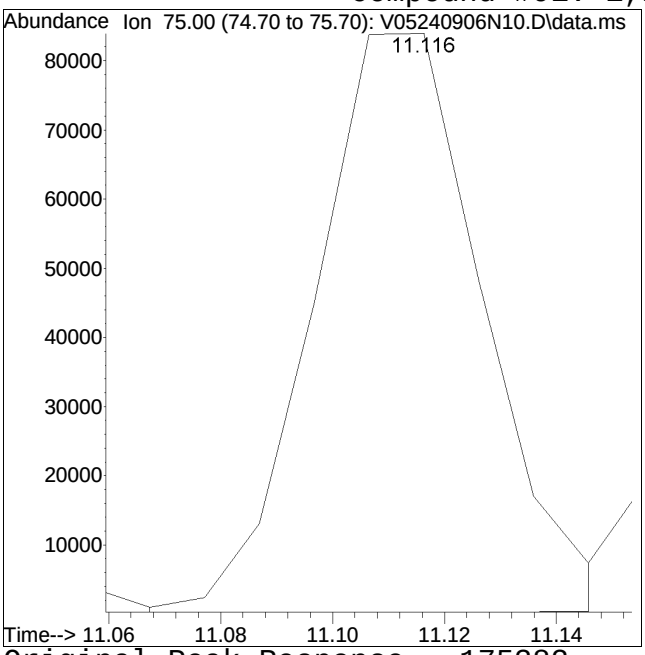
Manual Peak Response = 902469 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

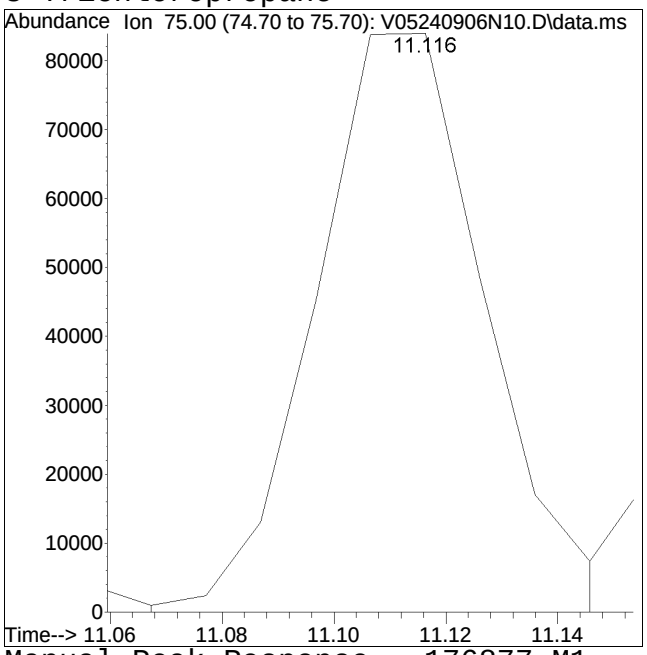
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N10.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 8:37 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 9/9/2024 11:22 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 175382



Manual Peak Response = 176877 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N11.D
Acq On : 6 Sep 2024 9:02 pm
Operator : VOA105:PID
Sample : I8260STD80PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 11:22:52 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	379563	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery = 117.43%			
59) Chlorobenzene-d5	9.177	117	321037	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery = 124.80%			
79) 1,4-Dichlorobenzene-d4	11.949	152	203819	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery = 120.80%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	103672	9.774	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.74%			
43) 1,2-Dichloroethane-d4	5.410	65	104406	9.520	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.20%			
60) Toluene-d8	7.347	98	377792	9.744	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.44%			
83) 4-Bromofluorobenzene	10.715	95	137646	9.733	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.33%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	915262	82.377	ug/L	97
3) Chloromethane	1.674	50	865328	80.680	ug/L	97
4) Vinyl chloride	1.743	62	779401	83.517	ug/L	100
5) Bromomethane	2.026	94	395161	86.988	ug/L	100
6) Chloroethane	2.114	64	423074	67.063	ug/L	95
7) Trichlorofluoromethane	2.251	101	1130785	80.518	ug/L	99
8) Ethyl ether	2.535	74	279555	82.667	ug/L #	56
10) 1,1-Dichloroethene	2.711	96	564519	80.786	ug/L	98
11) Carbon disulfide	2.740	76	1750350	81.374	ug/L	100
12) Freon-113	2.740	101	619681	80.644	ug/L	80
13) Iodomethane	2.848	142	1028701	87.662	ug/L	92
14) Acrolein	3.034	56	77788	83.617	ug/L	99
15) Methylene chloride	3.249	84	646885	77.976	ug/L #	72
17) Acetone	3.308	43	136711	76.200	ug/L	99
18) trans-1,2-Dichloroethene	3.396	96	694635	84.094	ug/L	96
19) Methyl acetate	3.405	43	333226M6	84.144	ug/L	
20) Methyl tert-butyl ether	3.484	73	1577701	86.743	ug/L #	87
21) tert-Butyl alcohol	3.601	59	165824	402.952	ug/L	95
22) Diisopropyl ether	3.826	45	2415066	87.283	ug/L #	92
23) 1,1-Dichloroethane	3.953	63	1218037	80.958	ug/L	98
24) Halothane	4.012	117	552191	83.110	ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N11.D
Acq On : 6 Sep 2024 9:02 pm
Operator : VOA105:PID
Sample : I8260STD80PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 11:22:52 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.022	53	171494	82.131	ug/L	#	85
26) Ethyl tert-butyl ether	4.168	59	1811471	88.836	ug/L	#	75
27) Vinyl acetate	4.188	43	1471805M6	96.040	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	778715	83.228	ug/L		95
29) 2,2-Dichloropropane	4.550	77	1023559	83.436	ug/L		87
30) Bromochloromethane	4.657	128	358357	79.360	ug/L	#	86
31) Cyclohexane	4.638	56	1264952	87.151	ug/L		83
32) Chloroform	4.726	83	1232500	78.358	ug/L		95
33) Ethyl acetate	4.833	43	541356	85.471	ug/L	#	91
34) Carbon tetrachloride	4.843	117	1140004	84.422	ug/L		99
35) Tetrahydrofuran	4.873	42	167470M6	82.217	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	1214445	82.822	ug/L		99
39) 2-Butanone	5.019	43	236163	86.595	ug/L	#	59
40) 1,1-Dichloropropene	5.029	75	948684	87.365	ug/L		93
41) Benzene	5.264	78	2712471	84.824	ug/L		95
42) tert-Amyl methyl ether	5.371	73	1531007	90.846	ug/L		94
44) 1,2-Dichloroethane	5.479	62	843375	79.884	ug/L		97
47) Methyl cyclohexane	5.831	83	1295309	88.329	ug/L		90
48) Trichloroethene	5.851	95	780456	82.001	ug/L		91
50) Dibromomethane	6.301	93	404490	81.906	ug/L	#	86
51) 1,2-Dichloropropane	6.389	63	674569	84.476	ug/L	#	89
53) 2-Chloroethyl vinyl ether	7.083	63	383068	97.555	ug/L		90
54) Bromodichloromethane	6.467	83	969611	82.909	ug/L		99
57) 1,4-Dioxane	6.692	88	42405	850.708	ug/L	#	87
58) cis-1,3-Dichloropropene	7.151	75	1093476	88.884	ug/L	#	85
61) Toluene	7.406	92	1843729	81.808	ug/L		96
62) 4-Methyl-2-pentanone	7.846	58	162305	96.654	ug/L	#	68
63) Tetrachloroethene	7.846	166	991870	83.404	ug/L		90
65) trans-1,3-Dichloropropene	7.895	75	957067	87.289	ug/L		82
67) Ethyl methacrylate	8.081	69	648282	95.226	ug/L		97
68) 1,1,2-Trichloroethane	8.081	83	460874	82.652	ug/L		99
69) Chlorodibromomethane	8.286	129	800088	84.151	ug/L		98
70) 1,3-Dichloropropane	8.394	76	902889	82.516	ug/L		98
71) 1,2-Dibromoethane	8.550	107	653562	87.055	ug/L		100
72) 2-Hexanone	8.844	43	327320	87.991	ug/L	#	88
73) Chlorobenzene	9.196	112	2196015	82.425	ug/L	#	85
74) Ethylbenzene	9.236	91	3816602	84.802	ug/L		93
75) 1,1,1,2-Tetrachloroethane	9.285	131	828074	84.658	ug/L		99
76) p/m Xylene	9.422	106	3014030	173.421	ug/L		84
77) o Xylene	9.970	106	2897572	175.989	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N11.D
Acq On : 6 Sep 2024 9:02 pm
Operator : VOA105:PID
Sample : I8260STD80PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 11:22:52 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.039	104	4844527	177.824	ug/L	#	84
80) Bromoform	10.068	173	521118	86.299	ug/L		96
82) Isopropylbenzene	10.362	105	4160888	88.267	ug/L		95
84) Bromobenzene	10.823	156	1016525	82.018	ug/L		99
85) n-Propylbenzene	10.862	91	4759237	86.407	ug/L		93
86) 1,4-Dichlorobutane	10.891	55	978453	82.678	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	669145	81.736	ug/L		98
88) 4-Ethyltoluene	10.999	105	3995213	87.058	ug/L		96
89) 2-Chlorotoluene	11.038	91	2585593M6	83.267	ug/L		
90) 1,3,5-Trimethylbenzene	11.097	105	3465604	85.570	ug/L		93
91) 1,2,3-Trichloropropane	11.116	75	514742M1	80.980	ug/L		
92) trans-1,4-Dichloro-2-b...	11.175	53	215698	79.497	ug/L	#	67
93) 4-Chlorotoluene	11.234	91	2677970	83.441	ug/L	#	86
94) tert-Butylbenzene	11.450	119	3135178	88.399	ug/L		98
97) 1,2,4-Trimethylbenzene	11.528	105	3451085	88.967	ug/L		94
98) sec-Butylbenzene	11.636	105	4574058	88.142	ug/L		96
99) p-Isopropyltoluene	11.802	119	4078911	91.171	ug/L		93
100) 1,3-Dichlorobenzene	11.871	146	2047928	83.640	ug/L		96
101) 1,4-Dichlorobenzene	11.969	146	2013905	80.020	ug/L		95
102) p-Diethylbenzene	12.184	119	2352738	90.788	ug/L		97
103) n-Butylbenzene	12.243	91	3282341	89.236	ug/L		96
104) 1,2-Dichlorobenzene	12.400	146	1868727	84.490	ug/L		95
105) 1,2,4,5-Tetramethylben...	12.987	119	3512932	96.331	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	124416	91.886	ug/L		97
107) 1,3,5-Trichlorobenzene	13.213	180	1561071	86.883	ug/L		95
108) Hexachlorobutadiene	13.791	225	578437	88.254	ug/L		99
109) 1,2,4-Trichlorobenzene	13.810	180	1317531	89.269	ug/L		98
110) Naphthalene	14.104	128	2503822	95.285	ug/L		100
111) 1,2,3-Trichlorobenzene	14.281	180	1102232	87.832	ug/L		98

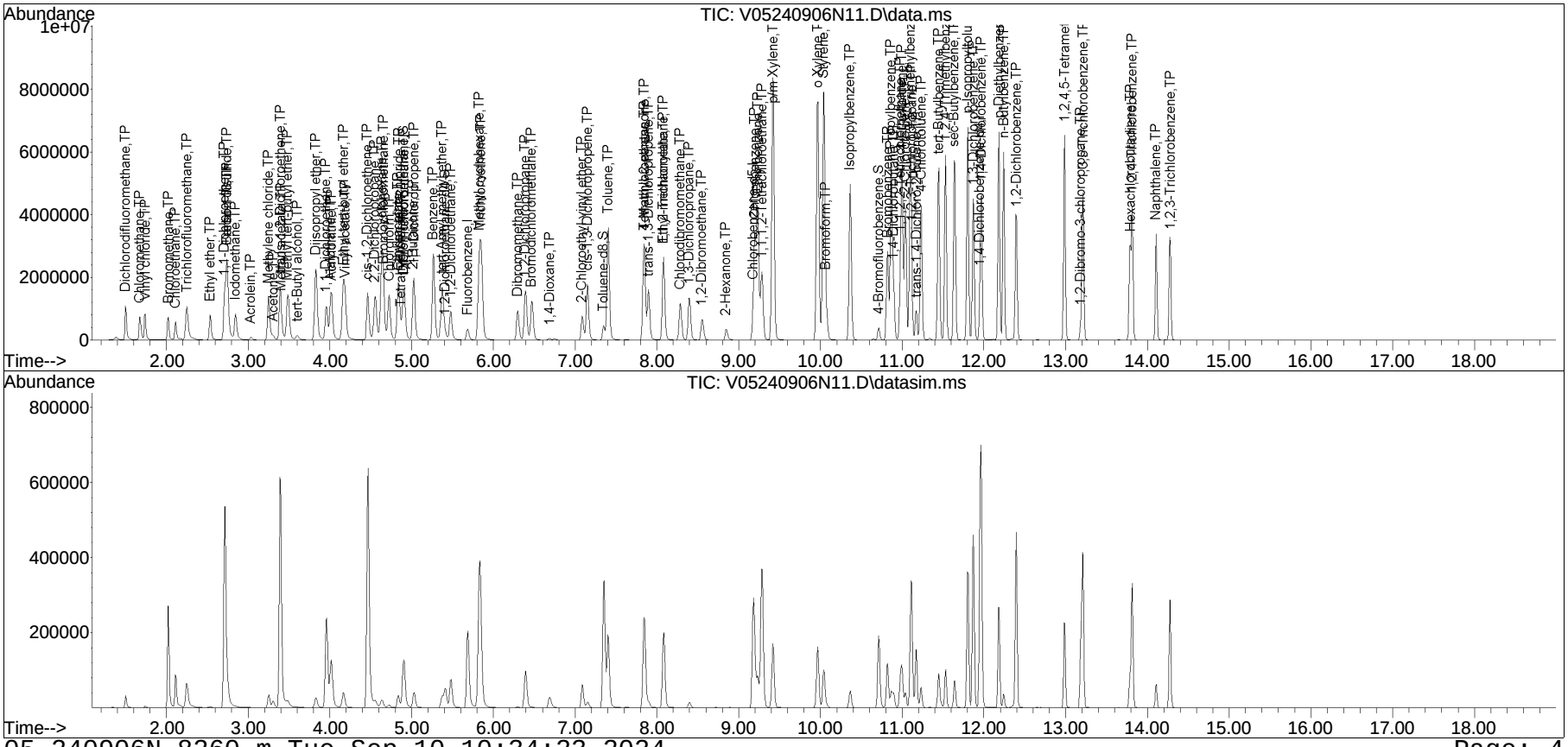
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N11.D
Acq On : 6 Sep 2024 9:02 pm
Operator : VOA105:PID
Sample : I8260STD80PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 11:22:52 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•

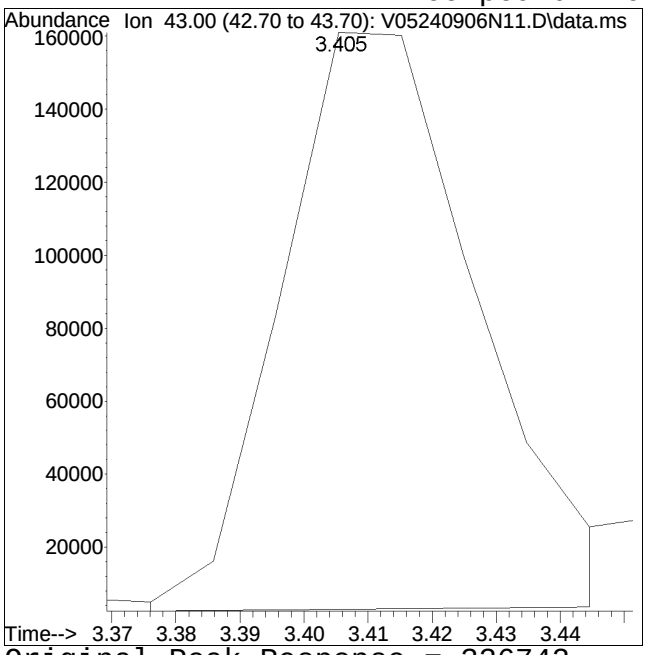


Manual Integration Report

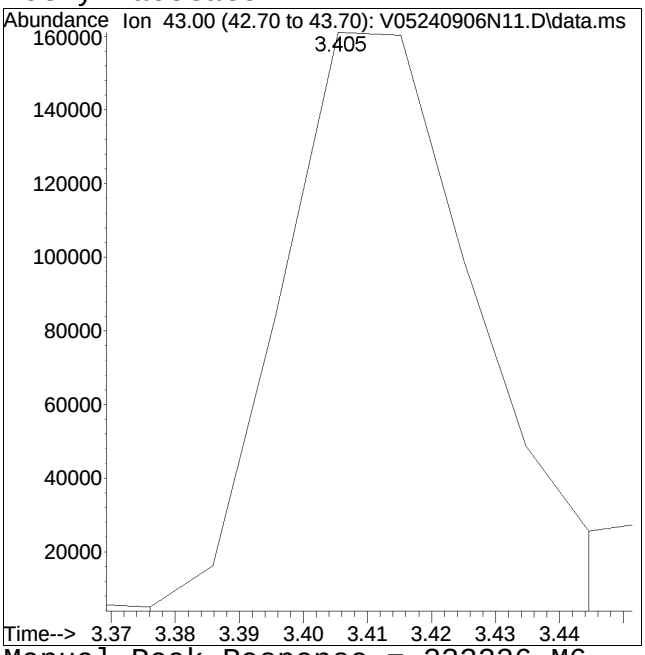
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N11.D
Date Inj'd : 9/6/2024 9:02 pm
Sample : I8260STD80PPB

Method : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/9/2024 11:22 am

Compound #19: Methyl acetate



Original Peak Response = 336742



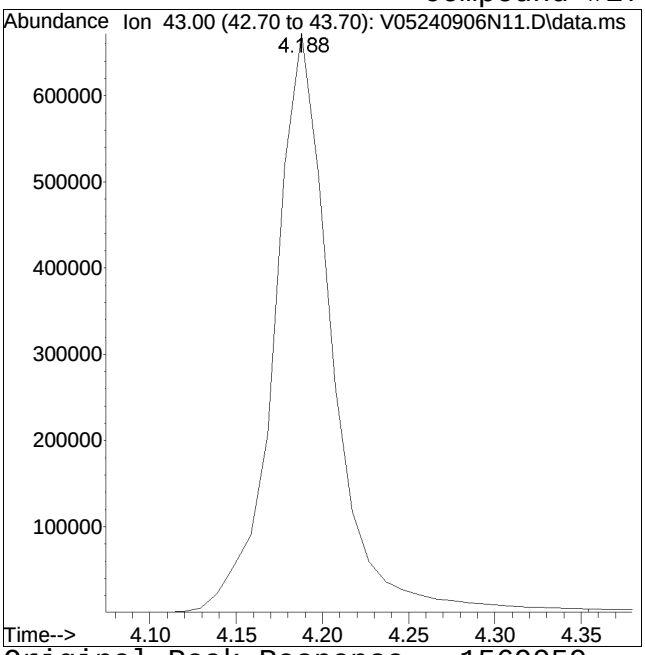
Manual Peak Response = 333226 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

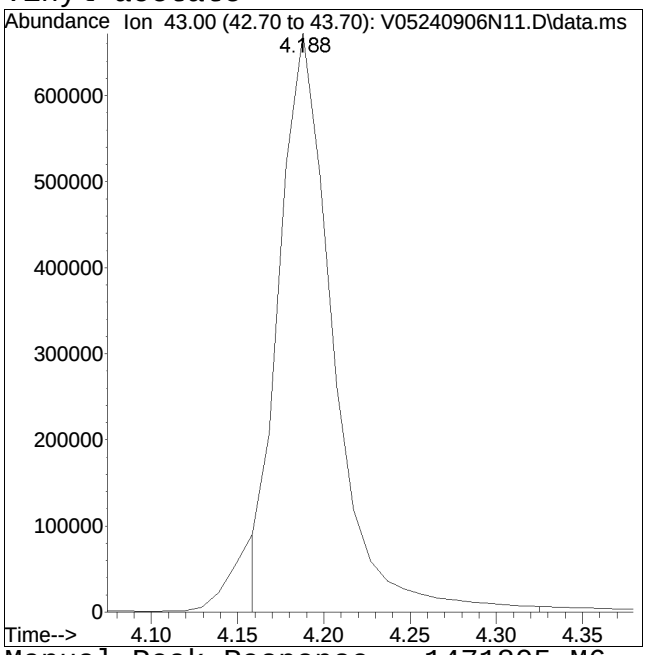
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N11.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:02 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 9/9/2024 11:22 am

Compound #27: Vinyl acetate



Original Peak Response = 1569059



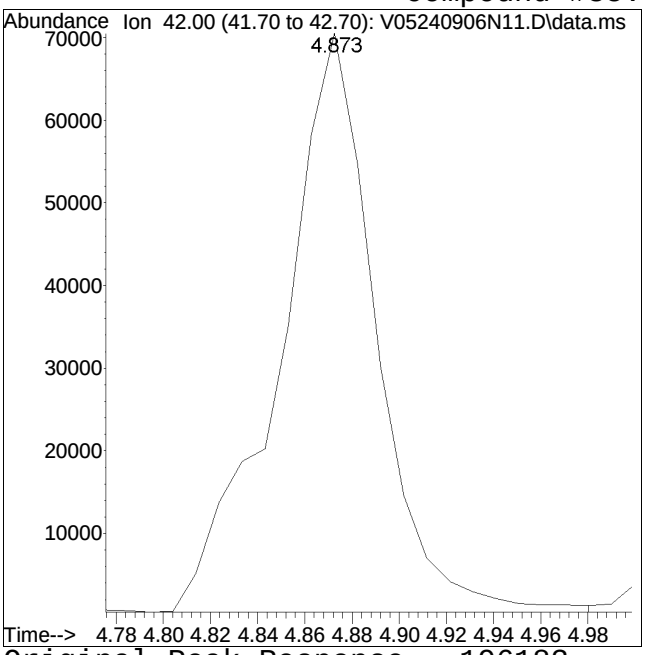
Manual Peak Response = 1471805 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

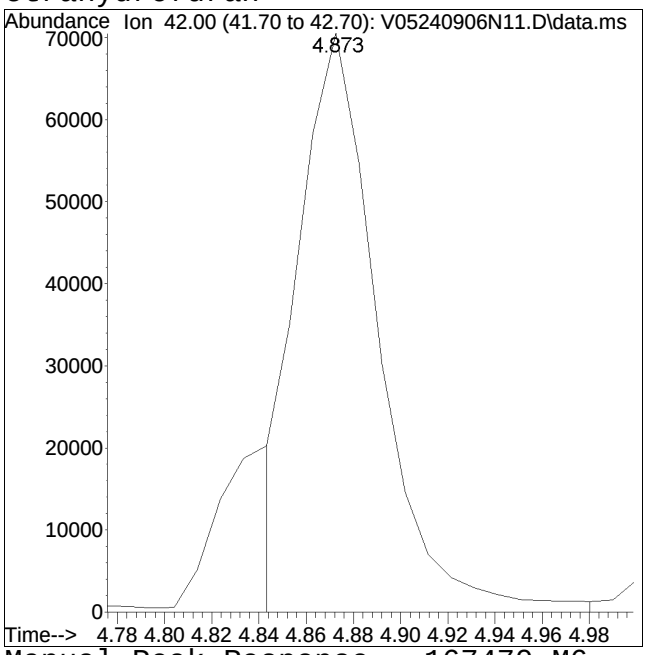
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N11.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:02 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 9/9/2024 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 196183



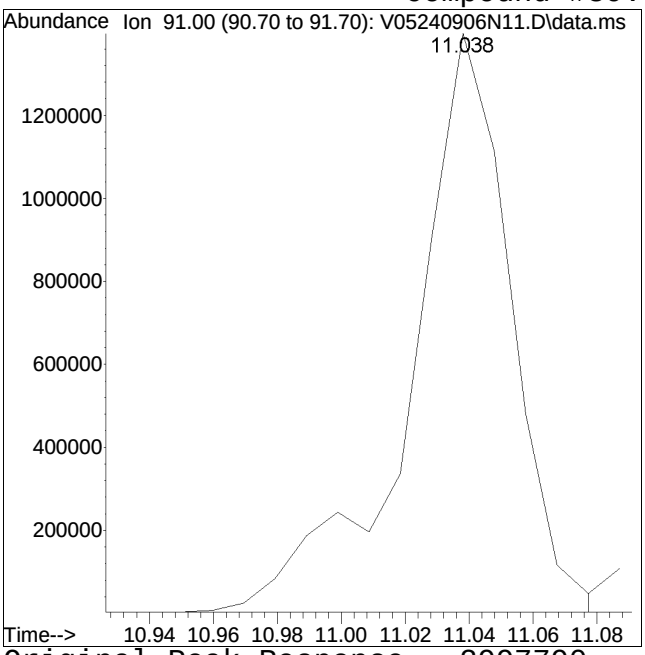
Manual Peak Response = 167470 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

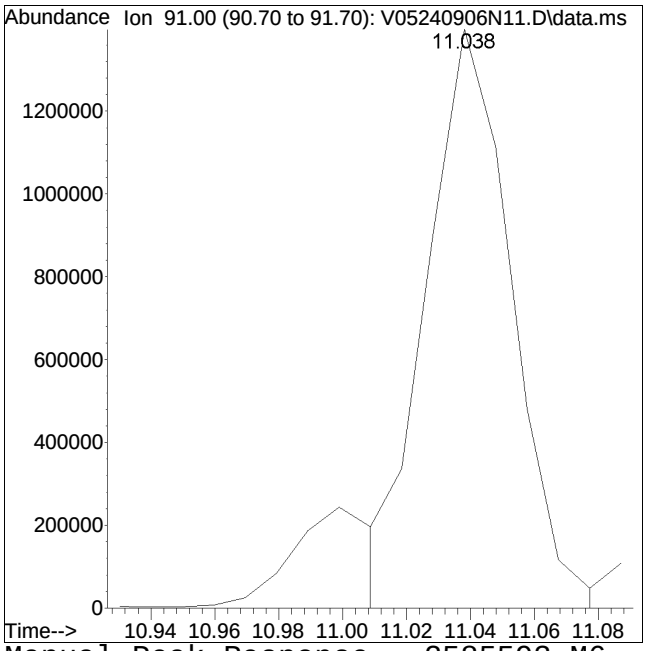
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N11.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:02 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 9/9/2024 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 2997790



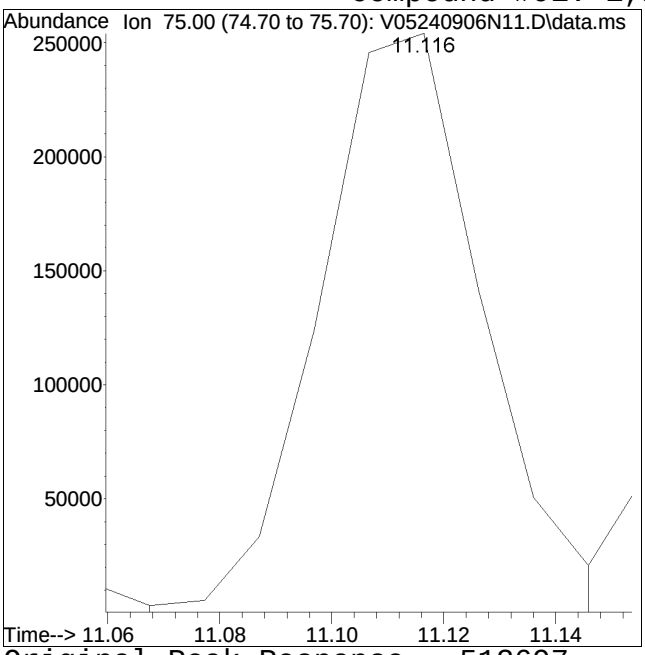
Manual Peak Response = 2585593 M6

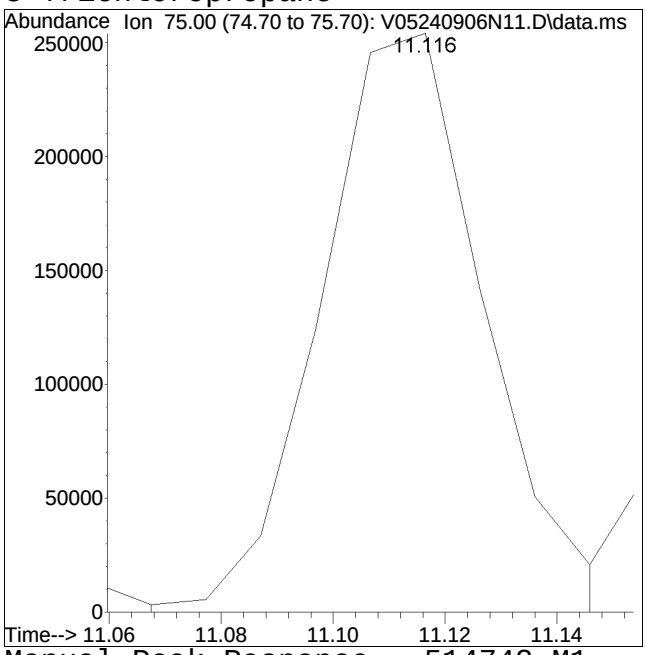
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N11.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:02 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 9/9/2024 11:22 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 512697 Manual Peak Response = 514742 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N12.D
Acq On : 6 Sep 2024 9:28 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:23:01 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	420265	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery = 130.02%			
59) Chlorobenzene-d5	9.177	117	356774	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery = 138.69%			
79) 1,4-Dichlorobenzene-d4	11.949	152	223852	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery = 132.68%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	114747	9.770	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.70%			
43) 1,2-Dichloroethane-d4	5.410	65	116649	9.607	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.07%			
60) Toluene-d8	7.347	98	415205	9.636	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.36%			
83) 4-Bromofluorobenzene	10.715	95	152344	9.808	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	1482950	120.544	ug/L	97
3) Chloromethane	1.674	50	1366311	115.052	ug/L	97
4) Vinyl chloride	1.743	62	1273343	123.230	ug/L	99
5) Bromomethane	2.026	94	672579	133.717	ug/L	100
6) Chloroethane	2.114	64	584778M1	83.718	ug/L	
7) Trichlorofluoromethane	2.251	101	1822778	117.221	ug/L	99
8) Ethyl ether	2.535	74	449579	120.069	ug/L #	55
10) 1,1-Dichloroethene	2.711	96	902154	116.600	ug/L	98
11) Carbon disulfide	2.740	76	2743734	115.203	ug/L	100
12) Freon-113	2.740	101	987365	116.049	ug/L	82
13) Iodomethane	2.848	142	1666852	128.287	ug/L	92
14) Acrolein	3.034	56	137839	133.819	ug/L	98
15) Methylene chloride	3.249	84	1064041	115.839	ug/L #	74
17) Acetone	3.308	43	235934	118.769	ug/L	99
18) trans-1,2-Dichloroethene	3.396	96	1123565	122.848	ug/L	95
19) Methyl acetate	3.405	43	558286M6	127.321	ug/L	
20) Methyl tert-butyl ether	3.484	73	2639051	131.044	ug/L	88
21) tert-Butyl alcohol	3.601	59	307562	674.993	ug/L	93
22) Diisopropyl ether	3.826	45	3925497	128.132	ug/L #	92
23) 1,1-Dichloroethane	3.953	63	1933954	116.093	ug/L	98
24) Halothane	4.012	117	912239	124.004	ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N12.D
Acq On : 6 Sep 2024 9:28 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:23:01 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.022	53	294415	127.345	ug/L	#	85
26) Ethyl tert-butyl ether	4.168	59	2981664	132.061	ug/L	#	73
27) Vinyl acetate	4.188	43	2530524M6	149.133	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	1249676	120.628	ug/L		95
29) 2,2-Dichloropropane	4.560	77	1633721	120.277	ug/L		88
30) Bromochloromethane	4.657	128	575136	115.031	ug/L	#	87
31) Cyclohexane	4.638	56	2050583	127.595	ug/L		83
32) Chloroform	4.726	83	1981990	113.804	ug/L		95
33) Ethyl acetate	4.833	43	932939	133.030	ug/L	#	91
34) Carbon tetrachloride	4.843	117	1885021	126.074	ug/L		98
35) Tetrahydrofuran	4.873	42	283422M6	125.666	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	1963184	120.918	ug/L		99
39) 2-Butanone	5.019	43	402458	133.279	ug/L	#	58
40) 1,1-Dichloropropene	5.029	75	1522558	126.635	ug/L		92
41) Benzene	5.264	78	4321907	122.065	ug/L		96
42) tert-Amyl methyl ether	5.371	73	2531535	135.667	ug/L		93
44) 1,2-Dichloroethane	5.479	62	1359430	116.293	ug/L		97
47) Methyl cyclohexane	5.831	83	2088421	128.620	ug/L		89
48) Trichloroethene	5.860	95	1248581	118.481	ug/L		90
50) Dibromomethane	6.301	93	667183	122.015	ug/L	#	85
51) 1,2-Dichloropropane	6.389	63	1082802	122.466	ug/L	#	89
53) 2-Chloroethyl vinyl ether	7.083	63	642403	147.755	ug/L		91
54) Bromodichloromethane	6.467	83	1573452	121.511	ug/L		98
57) 1,4-Dioxane	6.692	88	77525	1404.643	ug/L	#	90
58) cis-1,3-Dichloropropene	7.151	75	1760068	129.212	ug/L	#	85
61) Toluene	7.406	92	2952710	117.891	ug/L		97
62) 4-Methyl-2-pentanone	7.846	58	285268	152.863	ug/L	#	71
63) Tetrachloroethene	7.846	166	1589050	120.235	ug/L		90
65) trans-1,3-Dichloropropene	7.895	75	1560703	128.085	ug/L		82
67) Ethyl methacrylate	8.081	69	1095259	144.767	ug/L		96
68) 1,1,2-Trichloroethane	8.081	83	748330	120.760	ug/L		98
69) Chlorodibromomethane	8.286	129	1343386	127.140	ug/L		99
70) 1,3-Dichloropropane	8.394	76	1461821	120.215	ug/L		98
71) 1,2-Dibromoethane	8.560	107	1095959	131.360	ug/L		99
72) 2-Hexanone	8.844	43	569203	137.688	ug/L	#	88
73) Chlorobenzene	9.196	112	3546616	119.784	ug/L	#	85
74) Ethylbenzene	9.236	91	6077458	121.510	ug/L		93
75) 1,1,1,2-Tetrachloroethane	9.285	131	1341860	123.444	ug/L		99
76) p/m Xylene	9.422	106	4795977	248.309	ug/L		83
77) o Xylene	9.970	106	4610835	251.995	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N12.D
Acq On : 6 Sep 2024 9:28 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:23:01 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.039	104	7709847	254.652	ug/L	#	85
80) Bromoform	10.078	173	884524	133.372	ug/L		97
82) Isopropylbenzene	10.362	105	6618762	127.842	ug/L		94
84) Bromobenzene	10.823	156	1662940	122.167	ug/L		100
85) n-Propylbenzene	10.872	91	7503087	124.033	ug/L		93
86) 1,4-Dichlorobutane	10.891	55	1592673	122.534	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	1114041	123.901	ug/L		97
88) 4-Ethyltoluene	10.999	105	6319584	125.384	ug/L		95
89) 2-Chlorotoluene	11.038	91	4125083M6	120.956	ug/L		
90) 1,3,5-Trimethylbenzene	11.107	105	5511797	123.913	ug/L		93
91) 1,2,3-Trichloropropane	11.116	75	858636M4	122.994	ug/L		
92) trans-1,4-Dichloro-2-b...	11.175	53	365895	122.785	ug/L	#	64
93) 4-Chlorotoluene	11.234	91	4317577	122.489	ug/L	#	85
94) tert-Butylbenzene	11.449	119	5057378	129.836	ug/L		98
97) 1,2,4-Trimethylbenzene	11.528	105	5456559	128.078	ug/L		93
98) sec-Butylbenzene	11.645	105	7264309	127.456	ug/L		95
99) p-Isopropyltoluene	11.802	119	6474852	131.773	ug/L		93
100) 1,3-Dichlorobenzene	11.871	146	3290172	122.349	ug/L		96
101) 1,4-Dichlorobenzene	11.969	146	3278127	118.595	ug/L		95
102) p-Diethylbenzene	12.184	119	3787905	133.087	ug/L		97
103) n-Butylbenzene	12.243	91	5124451	126.849	ug/L		96
104) 1,2-Dichlorobenzene	12.400	146	3011747	123.983	ug/L		96
105) 1,2,4,5-Tetramethylben...	12.987	119	5643187	140.898	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	219904	147.874	ug/L		97
107) 1,3,5-Trichlorobenzene	13.213	180	2464739	124.901	ug/L		95
108) Hexachlorobutadiene	13.791	225	912959	126.828	ug/L		99
109) 1,2,4-Trichlorobenzene	13.810	180	2099143	129.499	ug/L		98
110) Naphthalene	14.104	128	4182114	144.910	ug/L		100
111) 1,2,3-Trichlorobenzene	14.281	180	1780417	129.177	ug/L		98

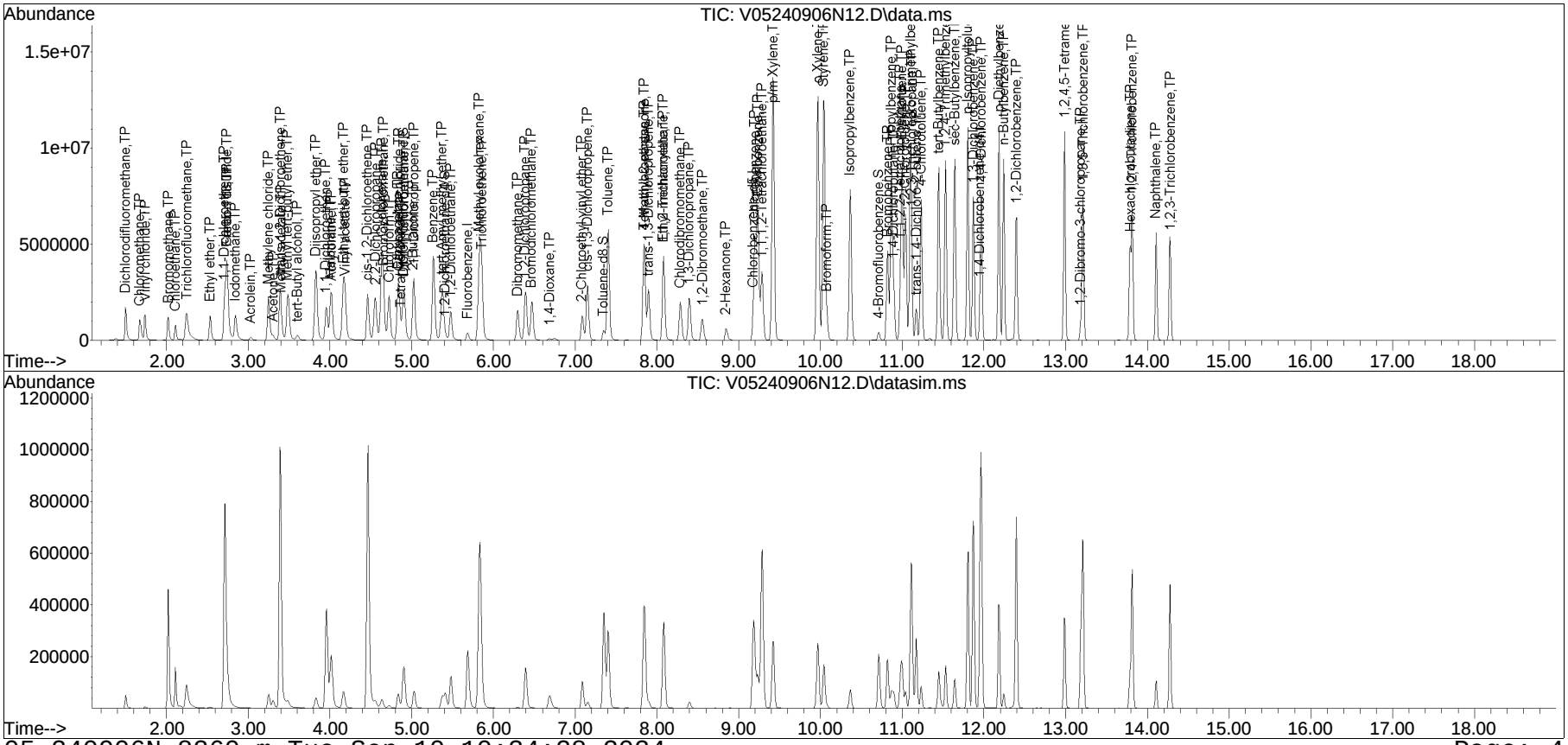
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N12.D
Acq On : 6 Sep 2024 9:28 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:23:01 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

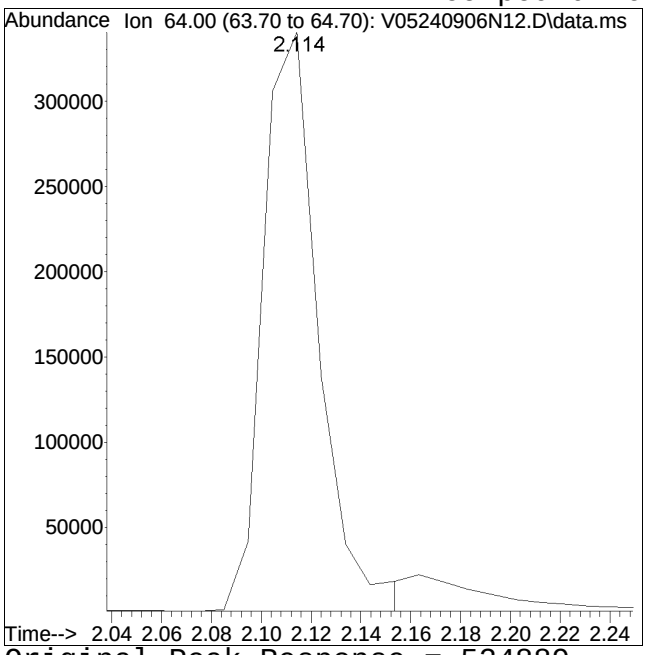
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•

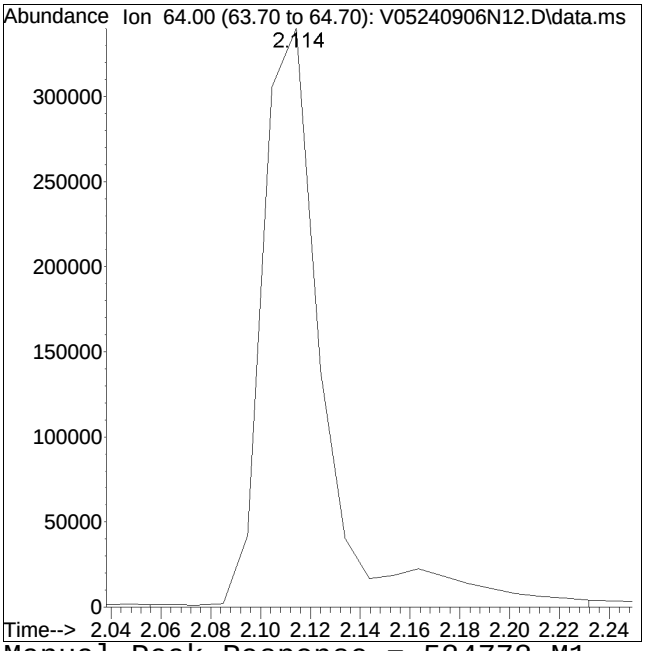


Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #6: Chloroethane



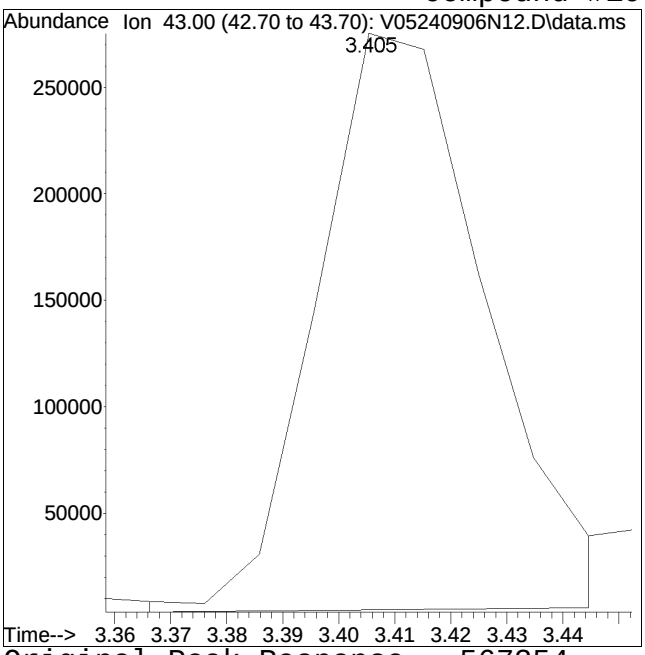


Original Peak Response = 524889 Manual Peak Response = 584778 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

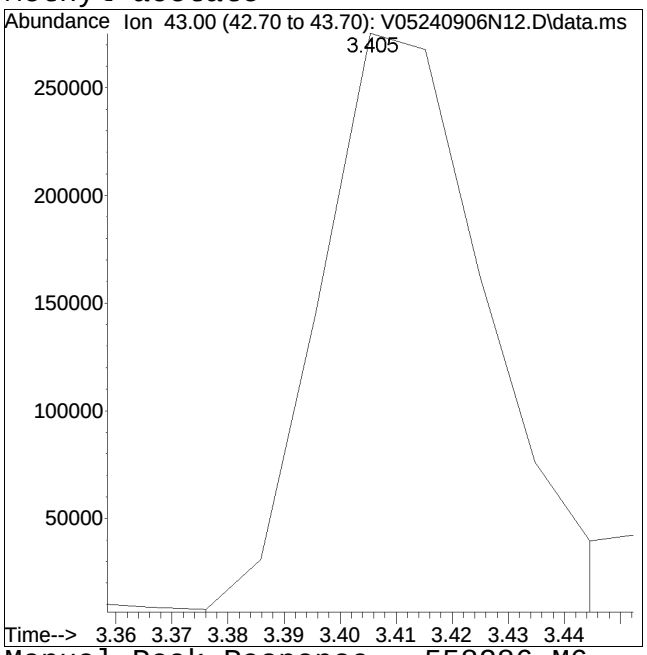
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #19: Methyl acetate



Original Peak Response = 567354



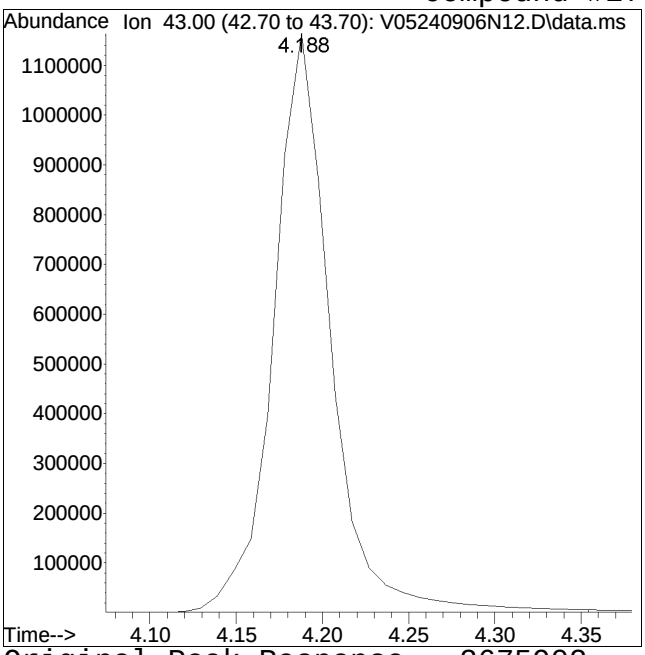
Manual Peak Response = 558286 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

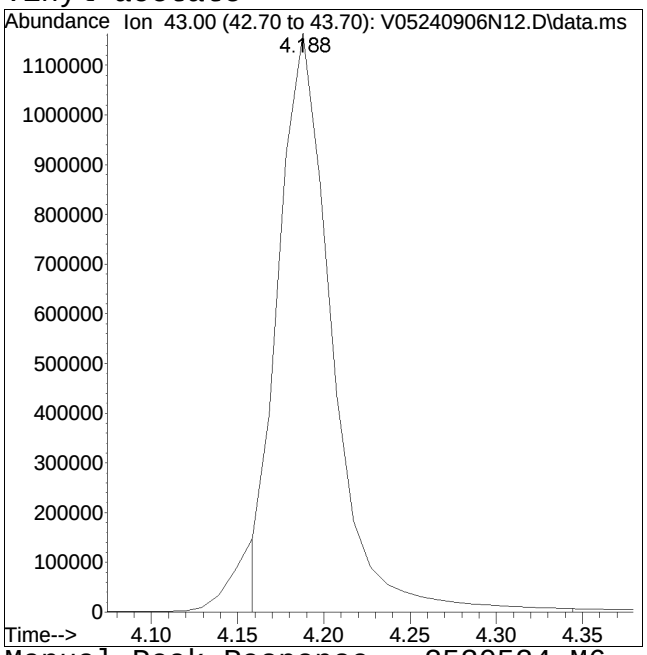
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #27: Vinyl acetate



Original Peak Response = 2675902



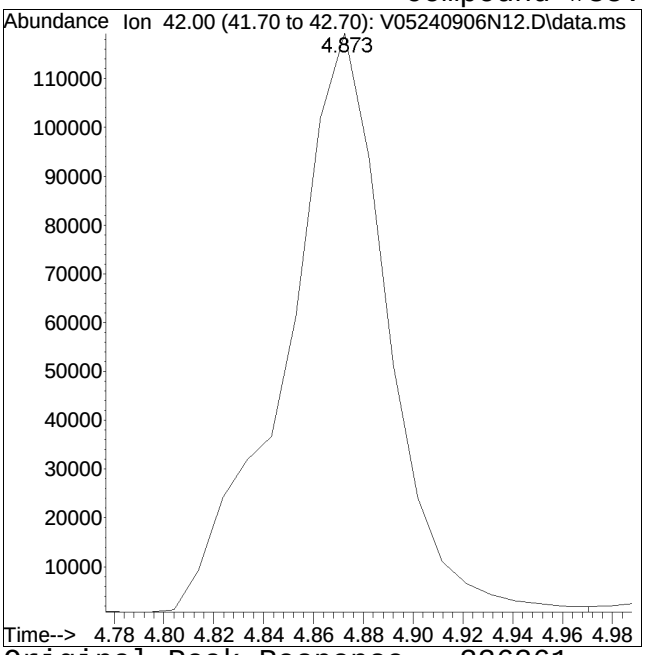
Manual Peak Response = 2530524 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

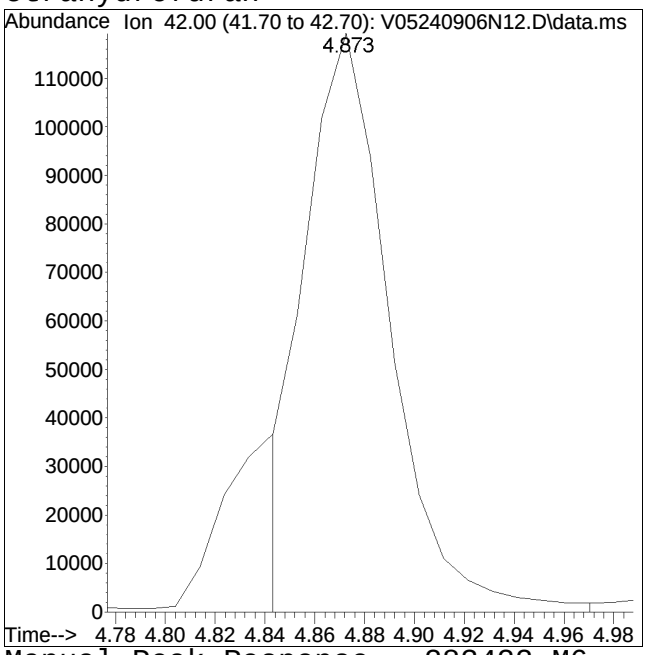
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 336361



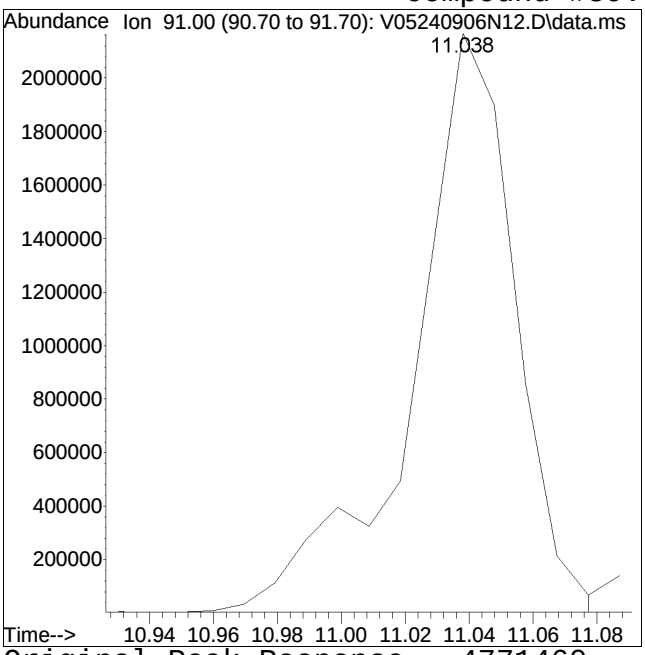
Manual Peak Response = 283422 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

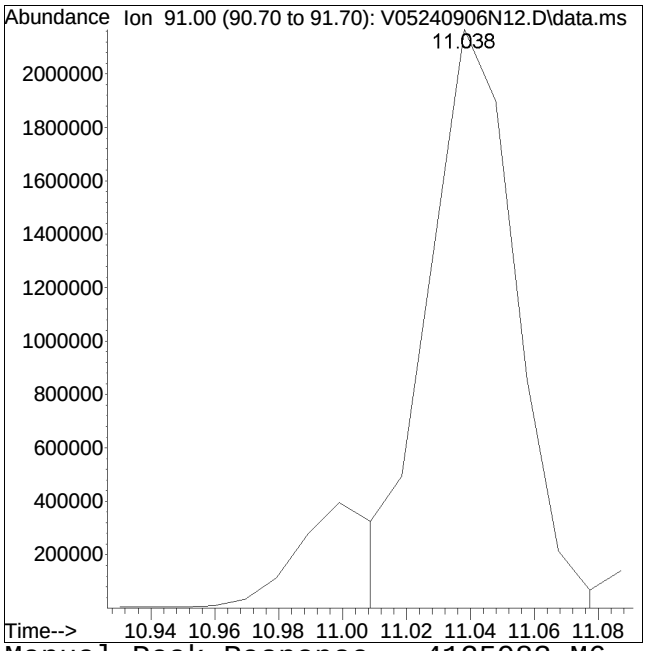
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 4771460



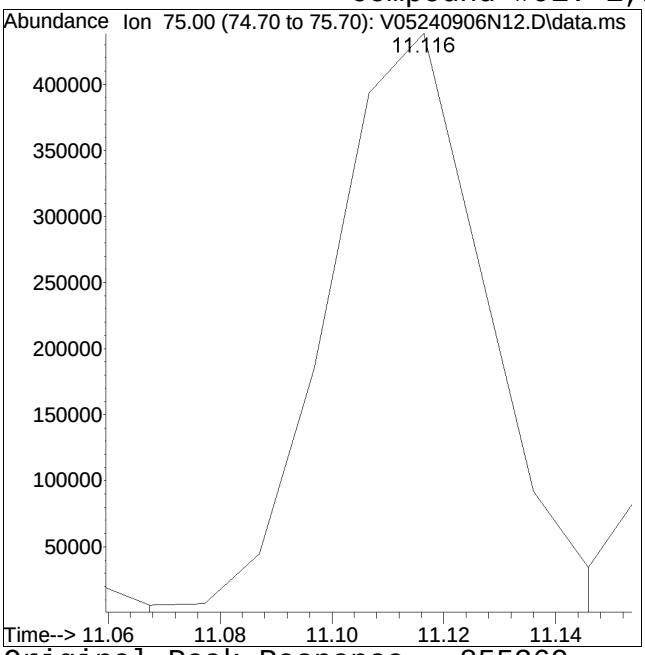
Manual Peak Response = 4125083 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

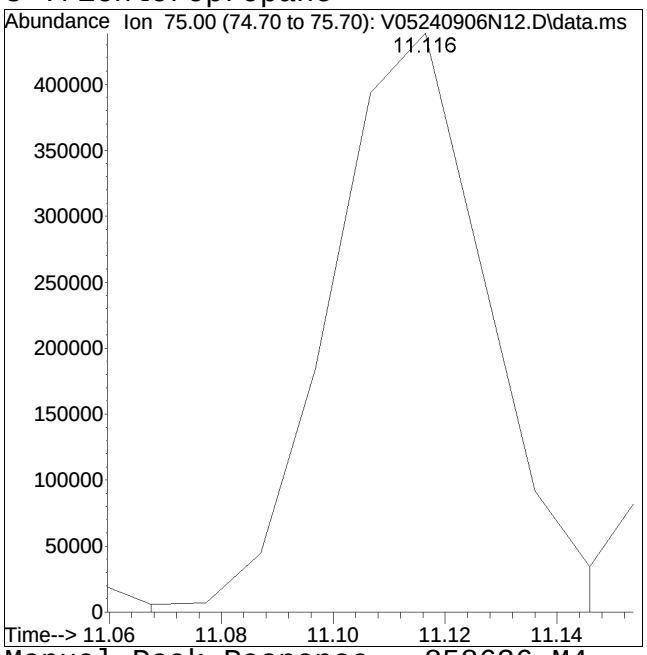
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 855369



Manual Peak Response = 858636 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N13.D
Acq On : 6 Sep 2024 9:53 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 11:23:08 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	462135	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery = 142.98%			
59) Chlorobenzene-d5	9.177	117	393958	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery = 153.15%			
79) 1,4-Dichlorobenzene-d4	11.959	152	233250	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery = 138.25%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	128206	9.927	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.27%			
43) 1,2-Dichloroethane-d4	5.410	65	128600	9.631	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.31%			
60) Toluene-d8	7.347	98	459893	9.666	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.66%			
83) 4-Bromofluorobenzene	10.715	95	163162	10.082	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	2615750	193.362	ug/L	97
3) Chloromethane	1.674	50	2431290	186.181	ug/L	97
4) Vinyl chloride	1.733	62	2245689	197.641	ug/L	98
5) Bromomethane	2.016	94	1317651	238.231	ug/L	99
6) Chloroethane	2.104	64	917306M1	119.425	ug/L	
7) Trichlorofluoromethane	2.241	101	3265020	190.947	ug/L	99
8) Ethyl ether	2.535	74	827274	200.923	ug/L #	56
10) 1,1-Dichloroethene	2.711	96	1674189	196.778	ug/L	99
11) Carbon disulfide	2.740	76	5058129	193.137	ug/L	100
12) Freon-113	2.740	101	1832810	195.900	ug/L	83
13) Iodomethane	2.848	142	3149876	220.461	ug/L	92
14) Acrolein	3.034	56	246503	217.631	ug/L	98
15) Methylene chloride	3.249	84	1984806	196.502	ug/L #	75
17) Acetone	3.307	43	419679	192.126	ug/L	100
18) trans-1,2-Dichloroethene	3.386	96	2084171	207.233	ug/L	95
19) Methyl acetate	3.415	43	961156M6	199.338	ug/L	
20) Methyl tert-butyl ether	3.484	73	4902182	221.368	ug/L	88
21) tert-Butyl alcohol	3.601	59	562979	1123.604	ug/L	89
22) Diisopropyl ether	3.826	45	7240486	214.924	ug/L	92
23) 1,1-Dichloroethane	3.953	63	3442782	187.941	ug/L	98
24) Halothane	4.012	117	1728992	213.734	ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N13.D
Acq On : 6 Sep 2024 9:53 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 11:23:08 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.021	53	528088	207.722	ug/L	#	85
26) Ethyl tert-butyl ether	4.168	59	5592153	225.242	ug/L	#	76
27) Vinyl acetate	4.188	43	4456553M6	238.845	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	2325066	204.098	ug/L		94
29) 2,2-Dichloropropane	4.559	77	3001198	200.934	ug/L		88
30) Bromochloromethane	4.657	128	1079591	196.363	ug/L		89
31) Cyclohexane	4.638	56	3742350	211.766	ug/L		83
32) Chloroform	4.726	83	3679979	192.156	ug/L		95
33) Ethyl acetate	4.833	43	1696300	219.965	ug/L	#	91
34) Carbon tetrachloride	4.843	117	3525188	214.411	ug/L		99
35) Tetrahydrofuran	4.872	42	501938M6	202.390	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	3656427	204.805	ug/L		99
39) 2-Butanone	5.019	43	723051	217.754	ug/L	#	59
40) 1,1-Dichloropropene	5.029	75	2792905	211.246	ug/L		92
41) Benzene	5.273	78	7958612	204.412	ug/L		95
42) tert-Amyl methyl ether	5.371	73	4730070	230.523	ug/L		93
44) 1,2-Dichloroethane	5.479	62	2503299	194.745	ug/L		97
47) Methyl cyclohexane	5.831	83	3856715	216.004	ug/L		89
48) Trichloroethene	5.860	95	2318852	200.106	ug/L		90
50) Dibromomethane	6.300	93	1259506	209.470	ug/L	#	84
51) 1,2-Dichloropropane	6.398	63	1994366	205.129	ug/L	#	90
53) 2-Chloroethyl vinyl ether	7.093	63	1176828	246.151	ug/L		90
54) Bromodichloromethane	6.476	83	2969556	208.549	ug/L	#	99
57) 1,4-Dioxane	6.692	88	142721	2351.616	ug/L	#	94
58) cis-1,3-Dichloropropene	7.151	75	3285117	219.321	ug/L	#	85
61) Toluene	7.406	92	5452066	197.135	ug/L		98
62) 4-Methyl-2-pentanone	7.846	58	510582	247.775	ug/L	#	72
63) Tetrachloroethene	7.846	166	2975835	203.913	ug/L		90
65) trans-1,3-Dichloropropene	7.895	75	2867761	213.140	ug/L	#	82
67) Ethyl methacrylate	8.081	69	1996419	238.972	ug/L		97
68) 1,1,2-Trichloroethane	8.081	83	1359860	198.732	ug/L		98
69) Chlorodibromomethane	8.286	129	2564436	219.795	ug/L		98
70) 1,3-Dichloropropane	8.403	76	2673220	199.087	ug/L		98
71) 1,2-Dibromoethane	8.560	107	2036642	221.068	ug/L		99
72) 2-Hexanone	8.844	43	1017716	222.946	ug/L	#	89
73) Chlorobenzene	9.196	112	6597472	201.792	ug/L	#	85
74) Ethylbenzene	9.235	91	11082200	200.659	ug/L		92
75) 1,1,1,2-Tetrachloroethane	9.284	131	2534793	211.178	ug/L		99
76) p/m Xylene	9.422	106	8721874	408.949	ug/L		82
77) o Xylene	9.970	106	8419983	416.741	ug/L		82

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N13.D
Acq On : 6 Sep 2024 9:53 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 11:23:08 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.049	104	13797652	412.714	ug/L		87
80) Bromoform	10.078	173	1614830	233.680	ug/L		96
82) Isopropylbenzene	10.372	105	11999855	222.440	ug/L		93
84) Bromobenzene	10.822	156	3052591	215.221	ug/L		100
85) n-Propylbenzene	10.871	91	13271936	210.557	ug/L		91
86) 1,4-Dichlorobutane	10.901	55	2858753	211.080	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	1981378	211.486	ug/L		98
88) 4-Ethyltoluene	10.999	105	11429870	217.638	ug/L		95
89) 2-Chlorotoluene	11.048	91	7106559M6	199.983	ug/L		
90) 1,3,5-Trimethylbenzene	11.107	105	9811378	211.687	ug/L		93
91) 1,2,3-Trichloropropane	11.116	75	1498942	206.062	ug/L		89
92) trans-1,4-Dichloro-2-b...	11.175	53	651781	209.908	ug/L	#	65
93) 4-Chlorotoluene	11.234	91	7778362	211.780	ug/L	#	86
94) tert-Butylbenzene	11.449	119	9053346	223.058	ug/L		97
97) 1,2,4-Trimethylbenzene	11.538	105	9716711	218.884	ug/L		93
98) sec-Butylbenzene	11.645	105	12714477	214.093	ug/L		94
99) p-Isopropyltoluene	11.802	119	11299950	220.706	ug/L		94
100) 1,3-Dichlorobenzene	11.871	146	5840950	208.451	ug/L		96
101) 1,4-Dichlorobenzene	11.969	146	5802781	201.473	ug/L		96
102) p-Diethylbenzene	12.184	119	6747031	227.504	ug/L		98
103) n-Butylbenzene	12.243	91	9032965	214.590	ug/L	#	96
104) 1,2-Dichlorobenzene	12.400	146	5306734	209.658	ug/L		96
105) 1,2,4,5-Tetramethylben...	12.987	119	9868945	236.477	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	379081	244.641	ug/L		97
107) 1,3,5-Trichlorobenzene	13.213	180	4244201	206.411	ug/L		96
108) Hexachlorobutadiene	13.791	225	1612555	214.990	ug/L		99
109) 1,2,4-Trichlorobenzene	13.810	180	3621201	214.395	ug/L		99
110) Naphthalene	14.104	128	7027667	233.697	ug/L		100
111) 1,2,3-Trichlorobenzene	14.280	180	3060105	213.078	ug/L		98

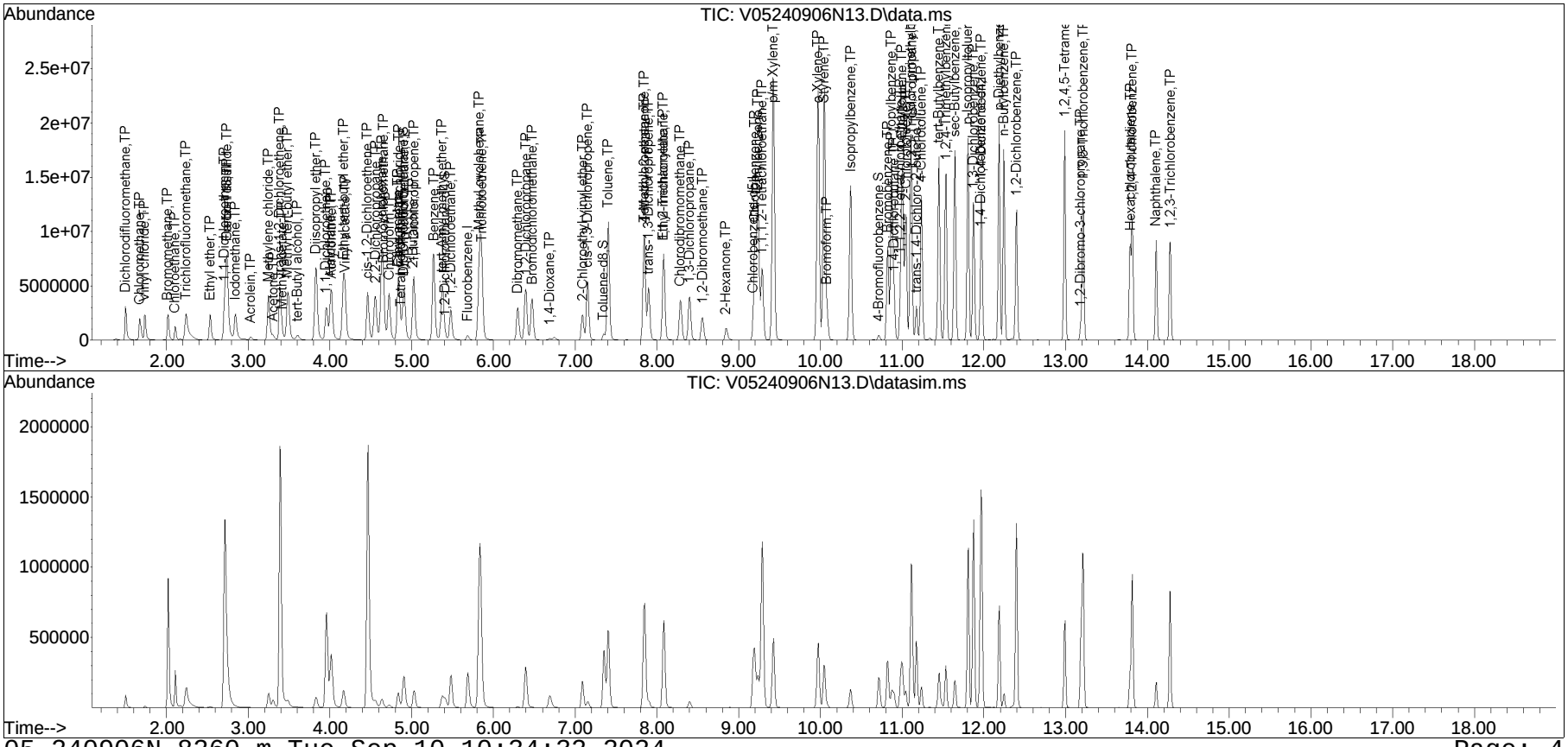
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N13.D
Acq On : 6 Sep 2024 9:53 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 11:23:08 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

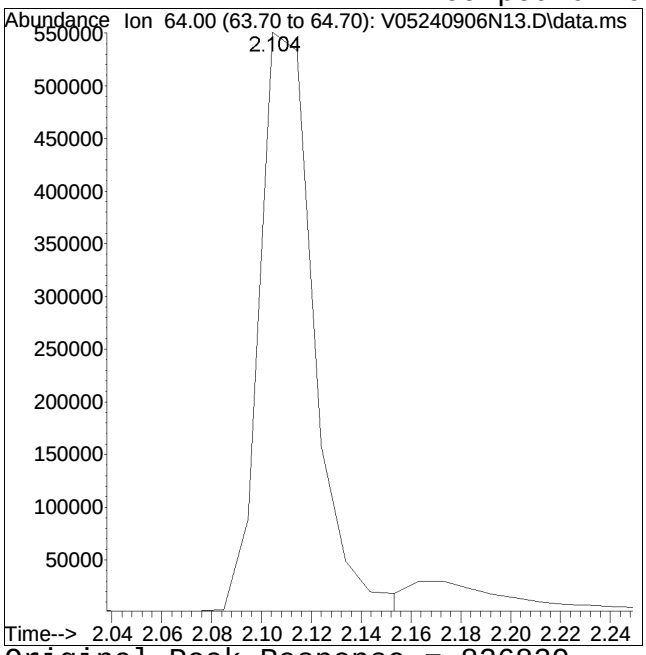
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•

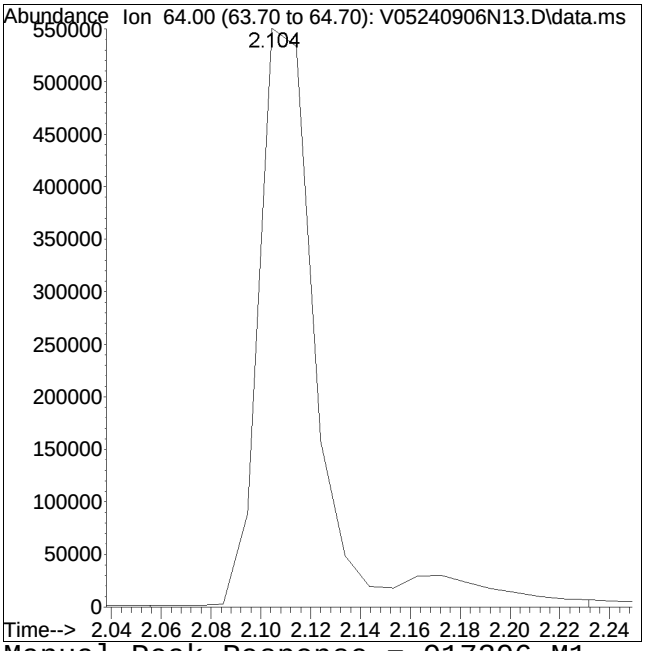


Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N13.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:53 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 9/9/2024 11:23 am

Compound #6: Chloroethane



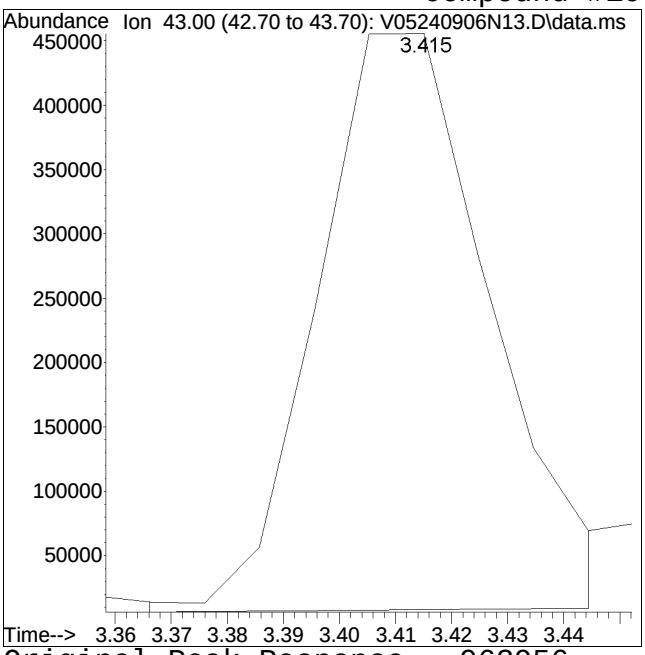


Original Peak Response = 826829 Manual Peak Response = 917306 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

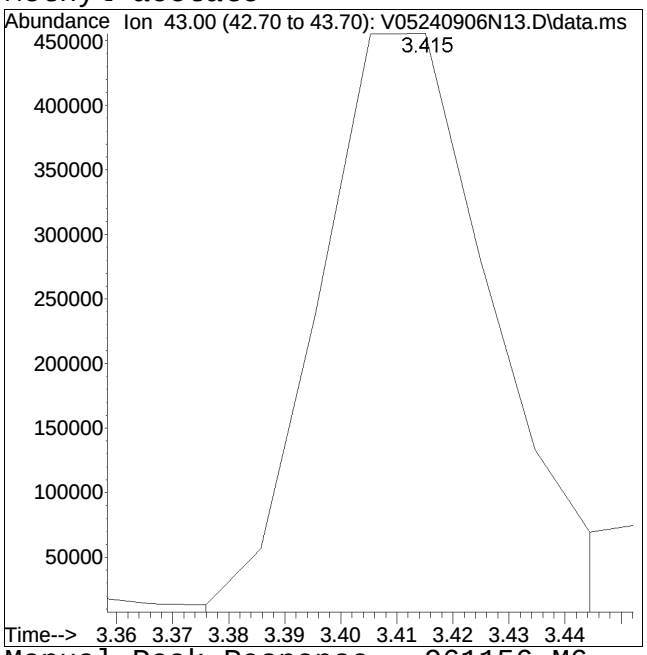
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N13.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:53 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 9/9/2024 11:23 am

Compound #19: Methyl acetate



Original Peak Response = 963956



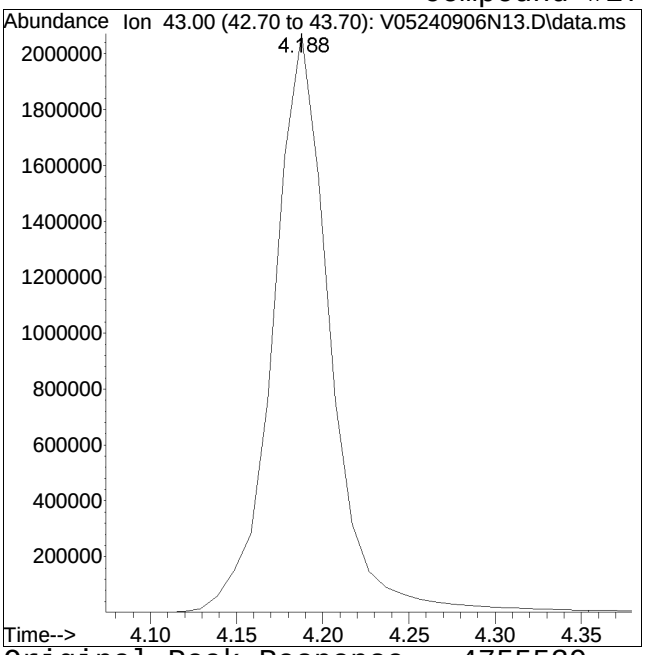
Manual Peak Response = 961156 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

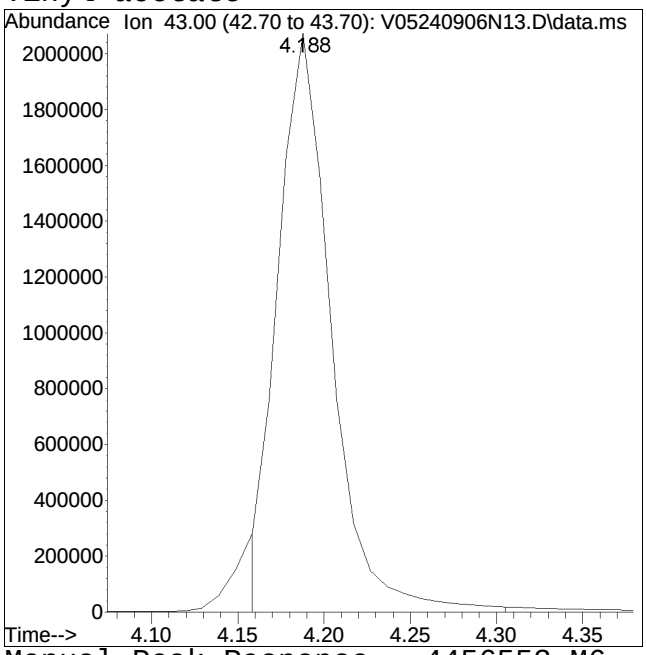
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N13.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:53 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 9/9/2024 11:23 am

Compound #27: Vinyl acetate



Original Peak Response = 4755539



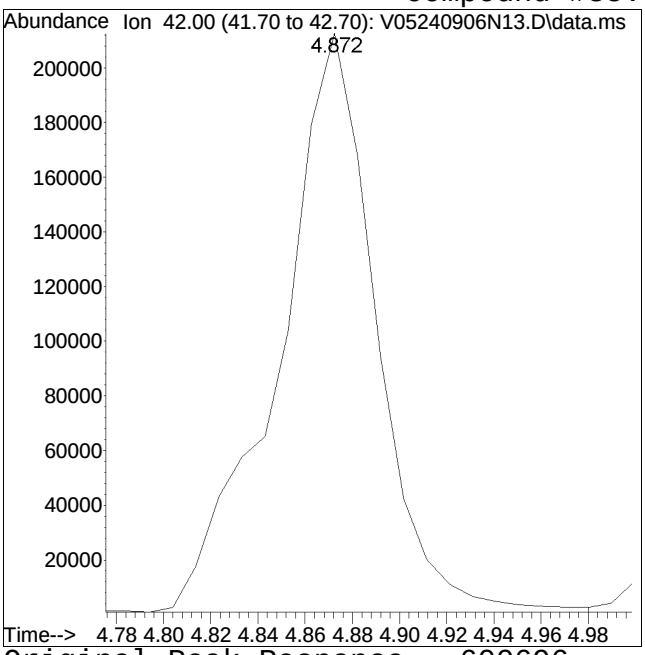
Manual Peak Response = 4456553 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

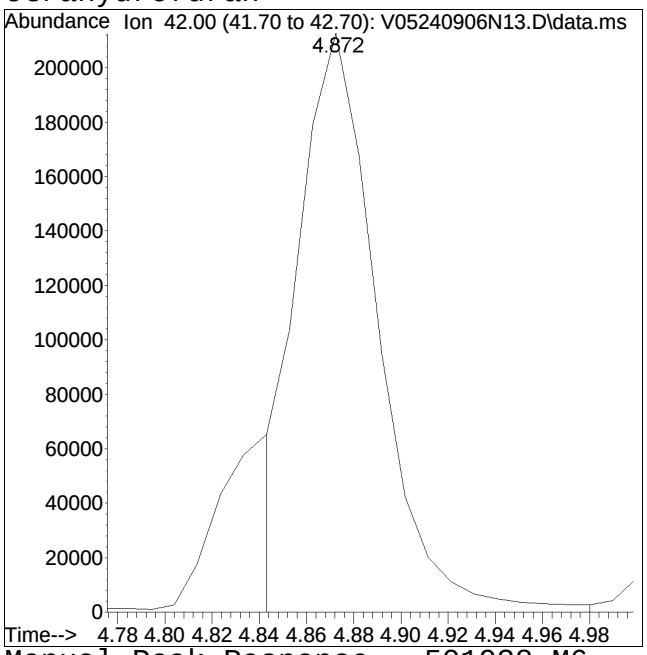
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N13.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:53 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 9/9/2024 11:23 am

Compound #35: Tetrahydrofuran



Original Peak Response = 600696



Manual Peak Response = 501938 M6

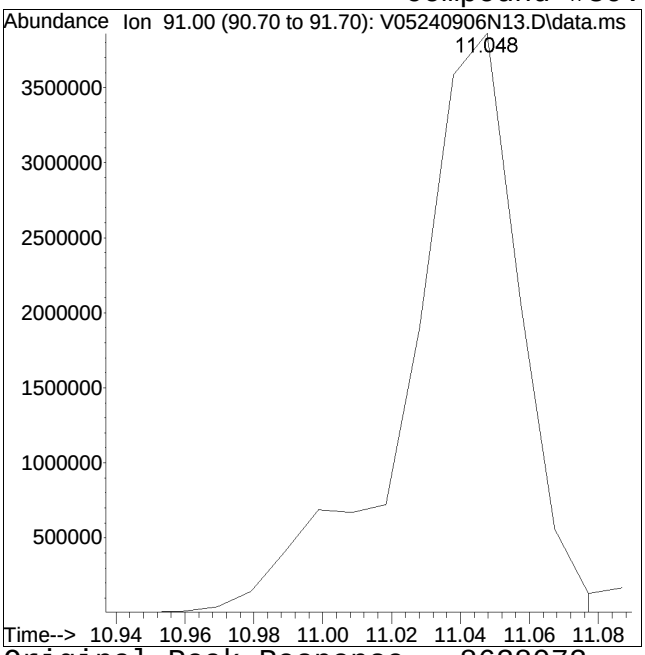
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

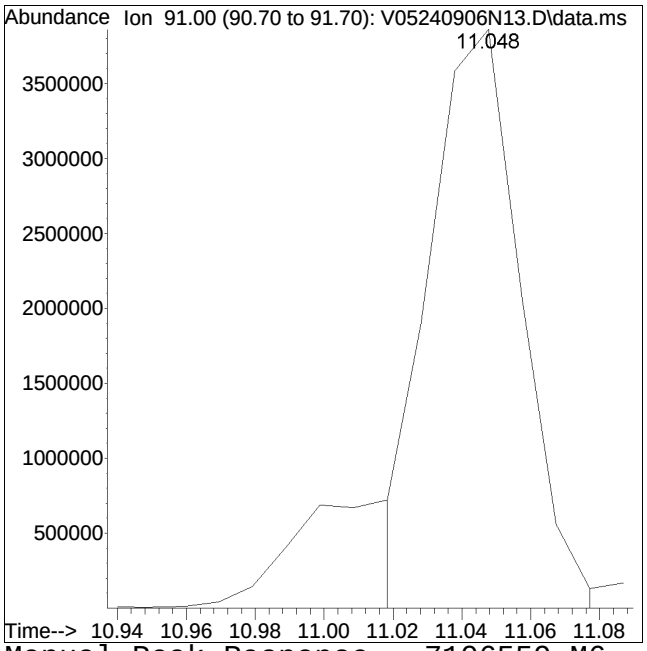
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N13.D
Date Inj'd : 9/6/2024 9:53 pm
Sample : I8260STD200PPB

Method : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/9/2024 11:23 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 8638073



Manual Peak Response = 7106559 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00
2	TP	Dichlorodifluoromethane	0.293	0.292	0.3	98	0.00
3	TP	Chloromethane	0.283	0.348	-23.0#	125	0.00
4	TP	Vinyl chloride	0.246	0.264	-7.3	107	0.00
5	TP	Bromomethane	0.120	0.145	-20.8#	141	0.00
6	TP	Chloroethane	* 10.000	8.681	13.2	100	0.00
7	TP	Trichlorofluoromethane	0.370	0.400	-8.1	108	0.00
8	TP	Ethyl ether	0.089	0.094	-5.6	115	0.00
10	TP	1,1-Dichloroethene	0.184	0.190	-3.3	105	0.00
11	TP	Carbon disulfide	0.567	0.536	5.5	96	0.00
12	TP	Freon-113	0.202	0.219	-8.4	108	0.00
13	TP	Iodomethane	0.309	0.254	17.8	90	0.00
14	TP	Acrolein	0.025	0.020	20.0#	98	0.00
15	TP	Methylene chloride	0.219	0.218	0.5	106	0.00
17	TP	Acetone	0.047	0.048	-2.1	113	0.00
18	TP	trans-1,2-Dichloroethene	0.218	0.228	-4.6	109	0.00
19	TP	Methyl acetate	0.104	0.102	1.9	115	0.00
20	TP	Methyl tert-butyl ether	0.479	0.435	9.2	101	0.00
21	TP	tert-Butyl alcohol	0.011	0.011	0.0	127	0.00
22	TP	Diisopropyl ether	0.729	0.738	-1.2	111	0.00
23	TP	1,1-Dichloroethane	0.396	0.409	-3.3	105	0.00
24	TP	Halothane	0.175	0.188	-7.4	111	0.00
25	TP	Acrylonitrile	0.055	0.050	9.1	102	0.00
26	TP	Ethyl tert-butyl ether	0.537	0.542	-0.9	112	0.00
27	TP	Vinyl acetate	0.434	0.339	21.9#	96	0.00
28	TP	cis-1,2-Dichloroethene	0.247	0.248	-0.4	106	0.00
29	TP	2,2-Dichloropropane	0.323	0.312	3.4	100	0.00
30	TP	Bromochloromethane	0.119	0.120	-0.8	104	0.00
31	TP	Cyclohexane	0.382	0.408	-6.8	104	0.00
32	TP	Chloroform	0.414	0.416	-0.5	106	0.00
33	TP	Ethyl acetate	0.167	0.155	7.2	115	0.00
34	TP	Carbon tetrachloride	0.356	0.361	-1.4	106	0.00
35	TP	Tetrahydrofuran	0.054	0.051	5.6	112	0.01
36	S	Dibromofluoromethane	0.279	0.273	2.2	109	0.00
37	TP	1,1,1-Trichloroethane	0.386	0.399	-3.4	105	0.00
39	TP	2-Butanone	0.072	0.070	2.8	119	0.00
40	TP	1,1-Dichloropropene	0.286	0.306	-7.0	109	0.00
41	TP	Benzene	0.842	0.844	-0.2	102	0.00
42	TP	tert-Amyl methyl ether	0.444	0.439	1.1	110	0.01

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.289	0.296	-2.4	108	0.00
44	TP	1,2-Dichloroethane	0.278	0.283	-1.8	108	0.00
47	TP	Methyl cyclohexane	0.386	0.404	-4.7	106	0.00
48	TP	Trichloroethene	0.251	0.248	1.2	105	0.00
50	TP	Dibromomethane	0.130	0.123	5.4	104	0.00
51	TP	1,2-Dichloropropane	0.210	0.215	-2.4	106	0.00
53	TP	2-Chloroethyl vinyl ether	0.113	0.092	18.6	100	0.00
54	TP	Bromodichloromethane	0.308	0.293#	4.9	104	0.00
57	TP	1,4-Dioxane	0.00131	0.00148#	-13.0	129	0.00
58	TP	cis-1,3-Dichloropropene	0.324	0.332	-2.5	109	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
60	S	Toluene-d8	1.208	1.233	-2.1	109	0.00
61	TP	Toluene	0.702	0.729	-3.8	107	0.00
62	TP	4-Methyl-2-pentanone	0.058	0.054	6.9	111	0.00
63	TP	Tetrachloroethene	0.370	0.381	-3.0	105	0.00
65	TP	trans-1,3-Dichloropropene	0.342	0.356	-4.1	109	0.00
67	TP	Ethyl methacrylate	0.231	0.220	4.8	114	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.181#	-4.0	109	0.00
69	TP	Chlorodibromomethane	0.296	0.288	2.7	107	0.00
70	TP	1,3-Dichloropropane	0.341	0.351	-2.9	106	0.00
71	TP	1,2-Dibromoethane	0.234	0.245	-4.7	109	0.00
72	TP	2-Hexanone	0.116	0.107	7.8	113	0.01
73	TP	Chlorobenzene	0.830	0.860	-3.6	109	0.00
74	TP	Ethylbenzene	1.402	1.401	0.1	101	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.305	0.303	0.7	107	0.00
76	TP	p/m Xylene	0.541	0.565	-4.4	104	0.00
77	TP	o Xylene	0.513	0.534	-4.1	104	0.00
78	TP	Styrene	0.849	0.897	-5.7	105	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	TP	Bromoform	0.296	0.287	3.0	112	0.00
82	TP	Isopropylbenzene	2.313	2.087	9.8	90	0.00
83	S	4-Bromofluorobenzene	0.694	0.699	-0.7	110	0.00
84	TP	Bromobenzene	0.608	0.574	5.6	101	0.00
85	TP	n-Propylbenzene	2.702	2.773	-2.6	102	0.00
86	TP	1,4-Dichlorobutane	0.581	0.577	0.7	104	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.402	0.383	4.7	104	0.00
88	TP	4-Ethyltoluene	2.252	2.467	-9.5	109	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene		1.524	1.557	-2.2	102	0.00
90 TP	1,3,5-Trimethylbenzene		1.987	1.994	-0.4	99	0.00
91 TP	1,2,3-Trichloropropane		0.312	0.295	5.4	100	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.133	0.122	8.3	100	0.00
93 TP	4-Chlorotoluene		1.575	1.626	-3.2	103	0.00
94 TP	tert-Butylbenzene		1.740	1.759	-1.1	100	0.00
97 TP	1,2,4-Trimethylbenzene		1.903	1.985	-4.3	103	0.00
98 TP	sec-Butylbenzene		2.546	2.583	-1.5	101	0.01
99 TP	p-Isopropyltoluene		2.195	2.263	-3.1	101	0.00
100 TP	1,3-Dichlorobenzene		1.201	1.221	-1.7	104	0.00
101 TP	1,4-Dichlorobenzene		1.235	1.242	-0.6	105	0.00
102 TP	p-Diethylbenzene		1.271	1.307	-2.8	103	0.00
103 TP	n-Butylbenzene		1.805	1.899	-5.2	102	0.00
104 TP	1,2-Dichlorobenzene		1.085	1.117	-2.9	106	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.922	1.824	5.1	105	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	9.658	3.4	114	0.00
107 TP	1,3,5-Trichlorobenzene		0.882	0.898	-1.8	104	0.00
108 TP	Hexachlorobutadiene		0.322	0.315	2.2	103	0.00
109 TP	1,2,4-Trichlorobenzene		0.724	0.730	-0.8	106	0.00
110 TP	Naphthalene	*	10.000	9.082	9.2	110	0.00
111 TP	1,2,3-Trichlorobenzene		0.616	0.629	-2.1	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	355839	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery = 110.09%			
59) Chlorobenzene-d5	9.177	117	282578	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery = 109.85%			
79) 1,4-Dichlorobenzene-d4	11.949	152	179582	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery = 106.44%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	97147	9.769	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.69%			
43) 1,2-Dichloroethane-d4	5.410	65	105336	10.246	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.46%			
60) Toluene-d8	7.347	98	348357	10.207	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.07%			
83) 4-Bromofluorobenzene	10.715	95	125466	10.069	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.69%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	104036	9.988	ug/L	96
3) Chloromethane	1.674	50	123782	12.310	ug/L	97
4) Vinyl chloride	1.743	62	93973	10.741	ug/L	99
5) Bromomethane	2.026	94	51599	12.116	ug/L	96
6) Chloroethane	2.114	64	52939	8.681	ug/L	95
7) Trichlorofluoromethane	2.251	101	142165	10.798	ug/L	99
8) Ethyl ether	2.535	74	33611	10.602	ug/L #	56
10) 1,1-Dichloroethene	2.711	96	67501	10.304	ug/L	97
11) Carbon disulfide	2.740	76	190832	9.463	ug/L	100
12) Freon-113	2.740	101	77874	10.810	ug/L	97
13) Iodomethane	2.848	142	90416	8.219	ug/L	91
14) Acrolein	3.043	56	7117	8.160	ug/L	93
15) Methylene chloride	3.249	84	77700	9.990	ug/L #	73
17) Acetone	3.317	43	17137	10.189	ug/L	95
18) trans-1,2-Dichloroethene	3.396	96	81213	10.487	ug/L	95
19) Methyl acetate	3.415	43	36333M6	9.849	ug/L	
20) Methyl tert-butyl ether	3.484	73	154844	9.081	ug/L #	84
21) tert-Butyl alcohol	3.611	59	19782	51.275	ug/L	86
22) Diisopropyl ether	3.836	45	262636	10.125	ug/L #	92
23) 1,1-Dichloroethane	3.963	63	145627	10.325	ug/L	97
24) Halothane	4.012	117	66829	10.729	ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.031	53	17773	9.079	ug/L	#	88
26) Ethyl tert-butyl ether	4.168	59	193027	10.097	ug/L	#	84
27) Vinyl acetate	4.198	43	120685M1	7.809	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	88304	10.067	ug/L		94
29) 2,2-Dichloropropane	4.560	77	110895	9.642	ug/L		85
30) Bromochloromethane	4.657	128	42605	10.064	ug/L	#	85
31) Cyclohexane	4.638	56	145331	10.680	ug/L		83
32) Chloroform	4.726	83	148161	10.048	ug/L		94
33) Ethyl acetate	4.843	43	54994	9.262	ug/L	#	94
34) Carbon tetrachloride	4.843	117	128529	10.153	ug/L		98
35) Tetrahydrofuran	4.882	42	18080M6	9.468	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	142128	10.339	ug/L		97
39) 2-Butanone	5.029	43	24935	9.753	ug/L	#	62
40) 1,1-Dichloropropene	5.029	75	109036	10.711	ug/L		93
41) Benzene	5.274	78	300341	10.018	ug/L		95
42) tert-Amyl methyl ether	5.381	73	156091	9.880	ug/L		97
44) 1,2-Dichloroethane	5.479	62	100634	10.167	ug/L		99
47) Methyl cyclohexane	5.831	83	143713	10.453	ug/L		89
48) Trichloroethene	5.860	95	88422	9.910	ug/L		90
50) Dibromomethane	6.301	93	43780	9.456	ug/L		89
51) 1,2-Dichloropropane	6.398	63	76332	10.196	ug/L	#	89
53) 2-Chloroethyl vinyl ether	7.093	63	32711	8.140	ug/L		88
54) Bromodichloromethane	6.477	83	104152	9.499	ug/L		98
57) 1,4-Dioxane	6.692	88	26303	562.858	ug/L	#	88
58) cis-1,3-Dichloropropene	7.151	75	118078	10.238	ug/L	#	83
61) Toluene	7.406	92	205915	10.380	ug/L		96
62) 4-Methyl-2-pentanone	7.856	58	15283	9.308	ug/L	#	63
63) Tetrachloroethene	7.846	166	107758	10.294	ug/L		91
65) trans-1,3-Dichloropropene	7.905	75	100597	10.424	ug/L	#	78
67) Ethyl methacrylate	8.090	69	62274	9.545	ug/L		95
68) 1,1,2-Trichloroethane	8.081	83	51051	10.401	ug/L		99
69) Chlorodibromomethane	8.286	129	81473	9.735	ug/L		99
70) 1,3-Dichloropropane	8.403	76	99279	10.308	ug/L		100
71) 1,2-Dibromoethane	8.560	107	69144	10.463	ug/L		100
72) 2-Hexanone	8.863	43	30124	9.200	ug/L	#	85
73) Chlorobenzene	9.196	112	243152	10.369	ug/L	#	85
74) Ethylbenzene	9.236	91	395960	9.995	ug/L		93
75) 1,1,1,2-Tetrachloroethane	9.285	131	85590	9.941	ug/L		98
76) p/m Xylene	9.422	106	319055	20.856	ug/L		83
77) o Xylene	9.960	106	301671	20.816	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\240906NICAL\V05240906N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.039	104	506740	21.132	ug/L	#	83
80) Bromoform	10.068	173	51491	9.678	ug/L		97
82) Isopropylbenzene	10.362	105	374826	9.025	ug/L		96
84) Bromobenzene	10.823	156	103091	9.440	ug/L		100
85) n-Propylbenzene	10.862	91	497960	10.261	ug/L		94
86) 1,4-Dichlorobutane	10.901	55	103679	9.943	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	68775	9.535	ug/L		98
88) 4-Ethyltoluene	10.999	105	442992	10.956	ug/L		96
89) 2-Chlorotoluene	11.038	91	279679M6	10.222	ug/L		
90) 1,3,5-Trimethylbenzene	11.097	105	358075	10.035	ug/L		93
91) 1,2,3-Trichloropropane	11.116	75	53044M1	9.471	ug/L		
92) trans-1,4-Dichloro-2-b...	11.175	53	21932	9.174	ug/L	#	77
93) 4-Chlorotoluene	11.234	91	292004M6	10.326	ug/L		
94) tert-Butylbenzene	11.449	119	315818	10.107	ug/L		98
97) 1,2,4-Trimethylbenzene	11.528	105	356460	10.430	ug/L		94
98) sec-Butylbenzene	11.645	105	463923	10.146	ug/L		96
99) p-Isopropyltoluene	11.802	119	406380	10.309	ug/L		94
100) 1,3-Dichlorobenzene	11.871	146	219295	10.165	ug/L		95
101) 1,4-Dichlorobenzene	11.969	146	222954	10.054	ug/L		95
102) p-Diethylbenzene	12.184	119	234715	10.280	ug/L		96
103) n-Butylbenzene	12.243	91	341001	10.522	ug/L		96
104) 1,2-Dichlorobenzene	12.400	146	200607	10.294	ug/L		96
105) 1,2,4,5-Tetramethylben...	12.987	119	327531	9.490	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	12128	9.658	ug/L		94
107) 1,3,5-Trichlorobenzene	13.213	180	161337	10.191	ug/L		96
108) Hexachlorobutadiene	13.791	225	56621	9.805	ug/L		98
109) 1,2,4-Trichlorobenzene	13.810	180	131129	10.084	ug/L		97
110) Naphthalene	14.104	128	236906	9.082	ug/L		100
111) 1,2,3-Trichlorobenzene	14.281	180	112892	10.210	ug/L		98

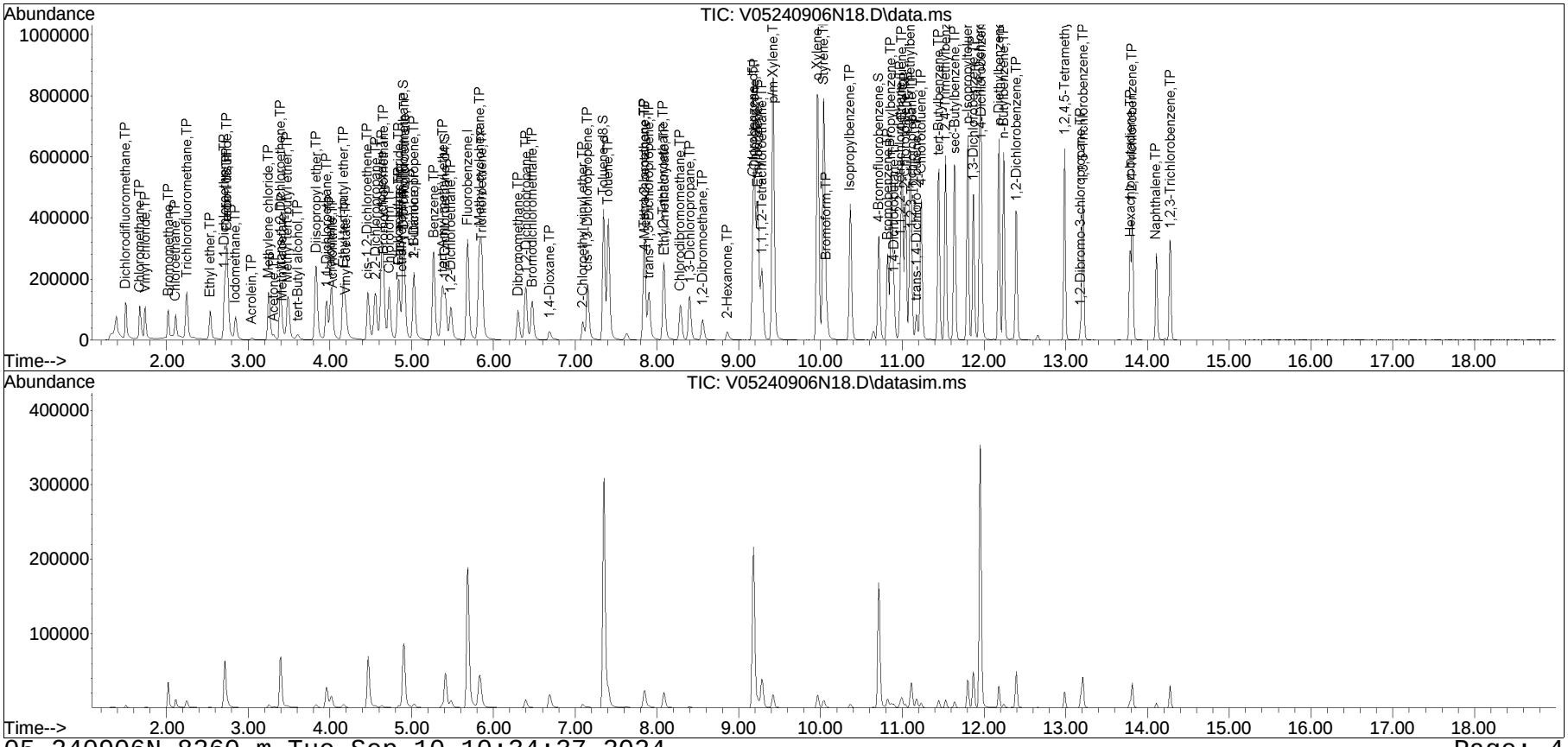
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

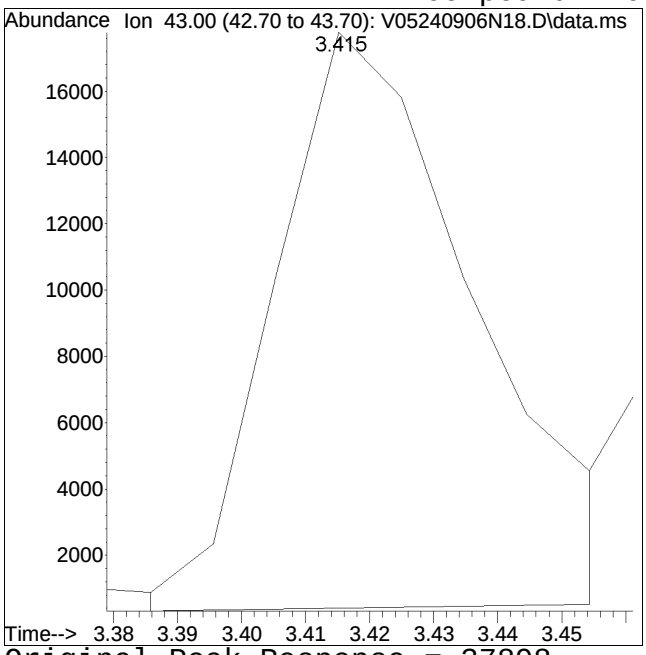
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•



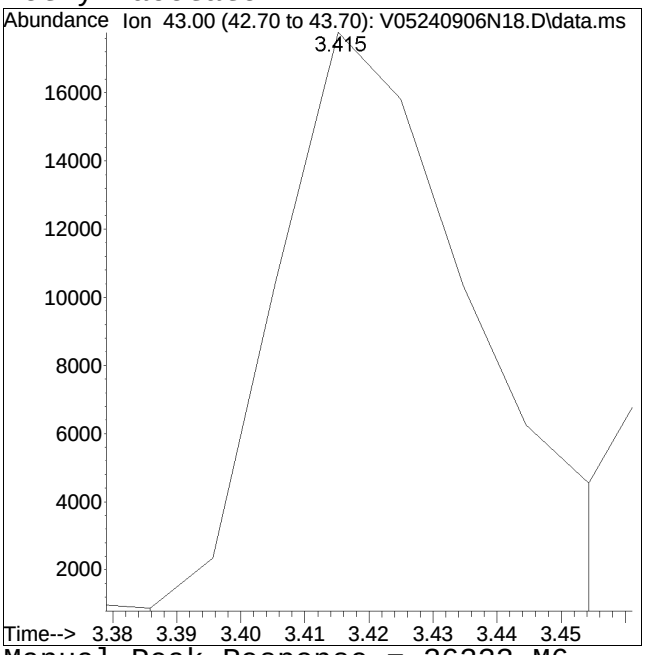
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #19: Methyl acetate



Original Peak Response = 37898



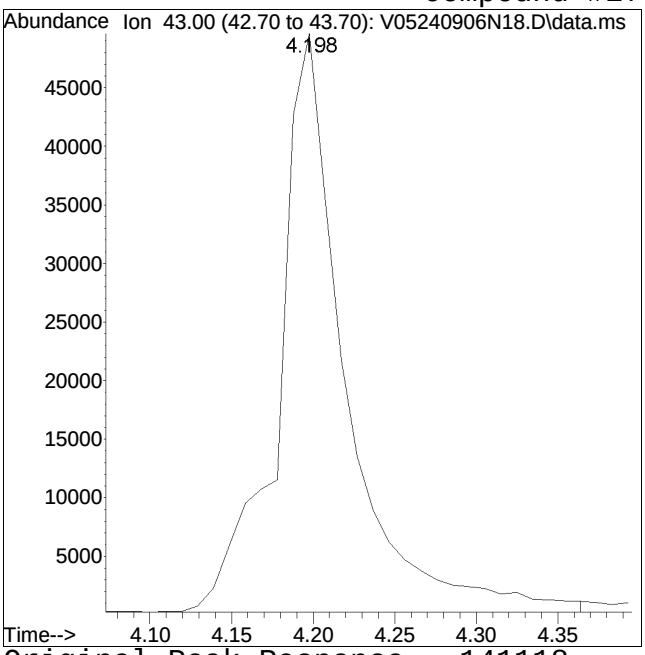
Manual Peak Response = 36333 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

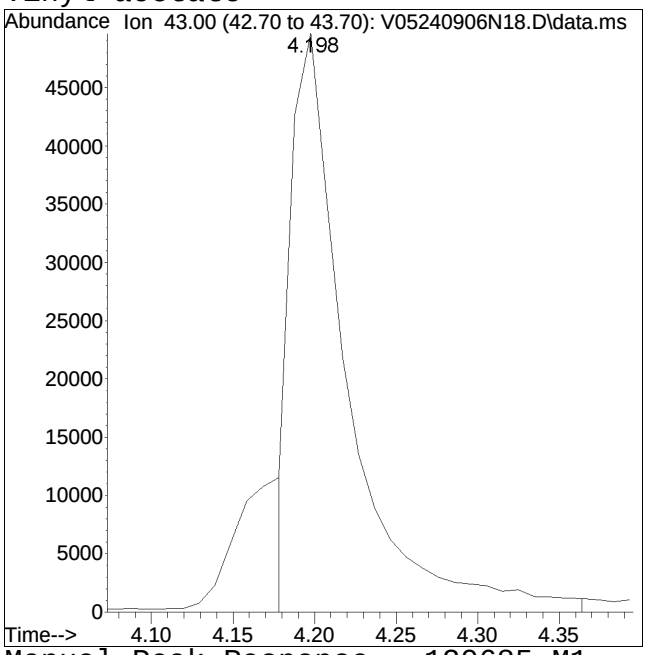
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #27: Vinyl acetate



Original Peak Response = 141118



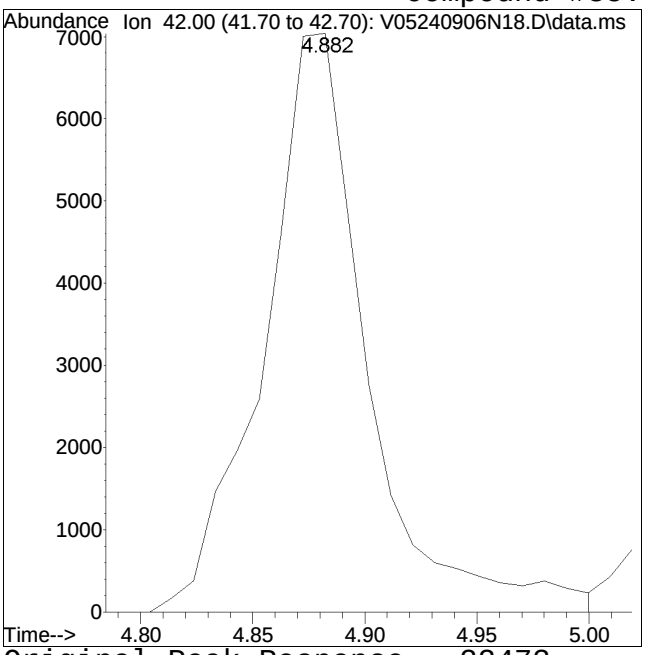
Manual Peak Response = 120685 M1

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

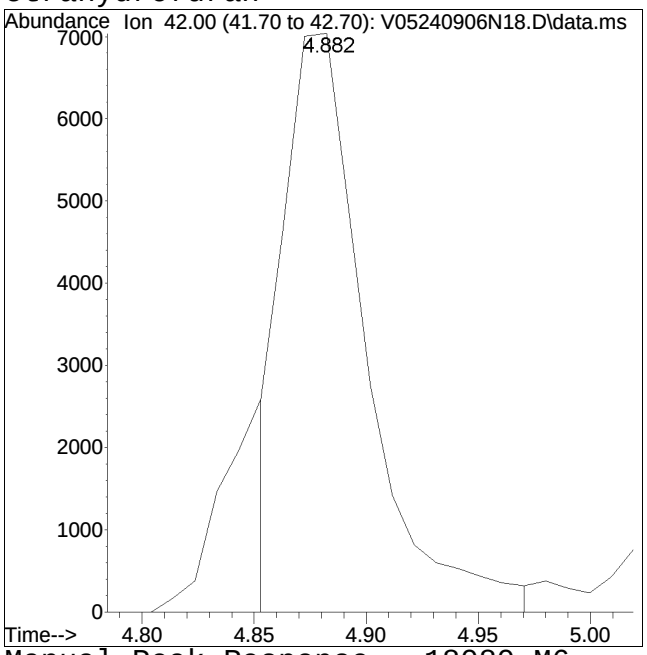
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #35: Tetrahydrofuran



Original Peak Response = 22473



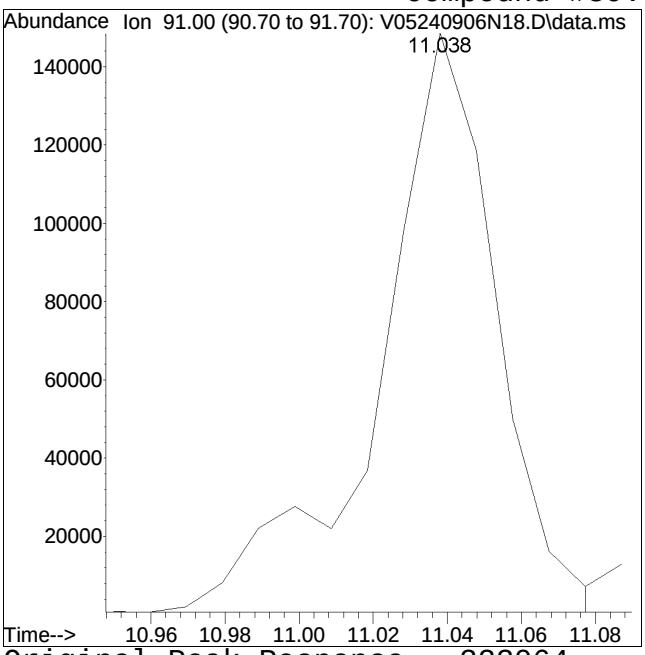
Manual Peak Response = 18080 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

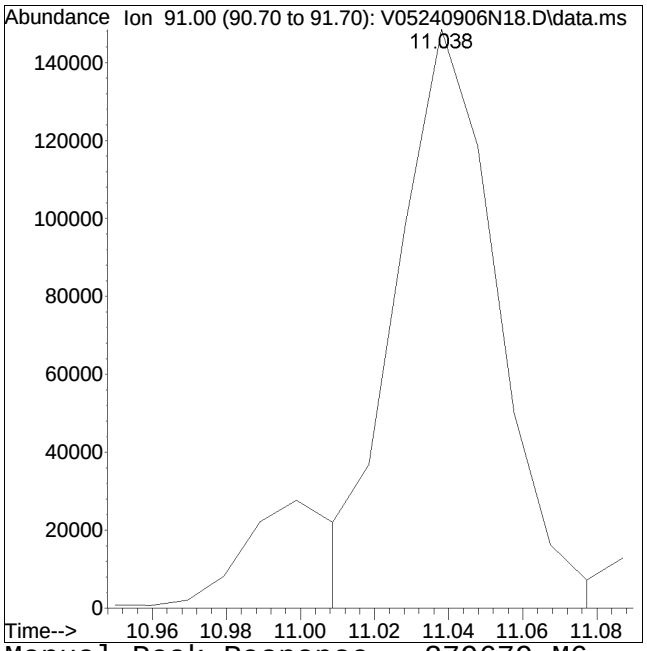
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 323064



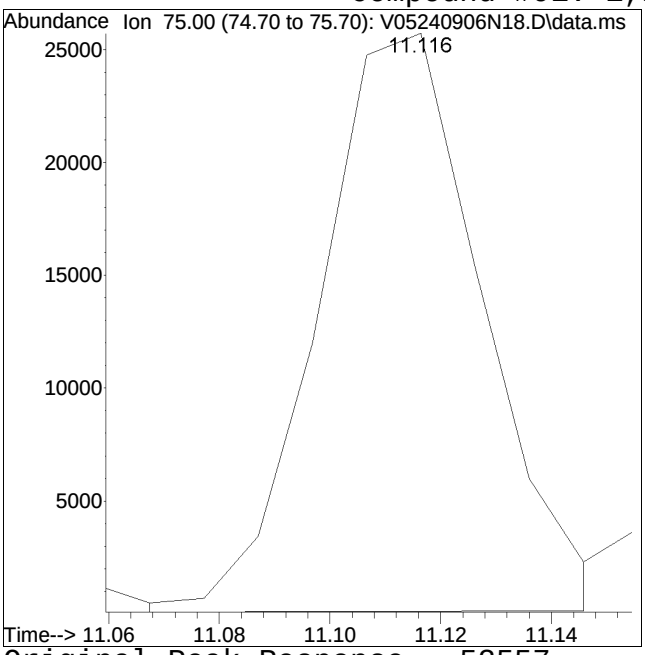
Manual Peak Response = 279679 M6

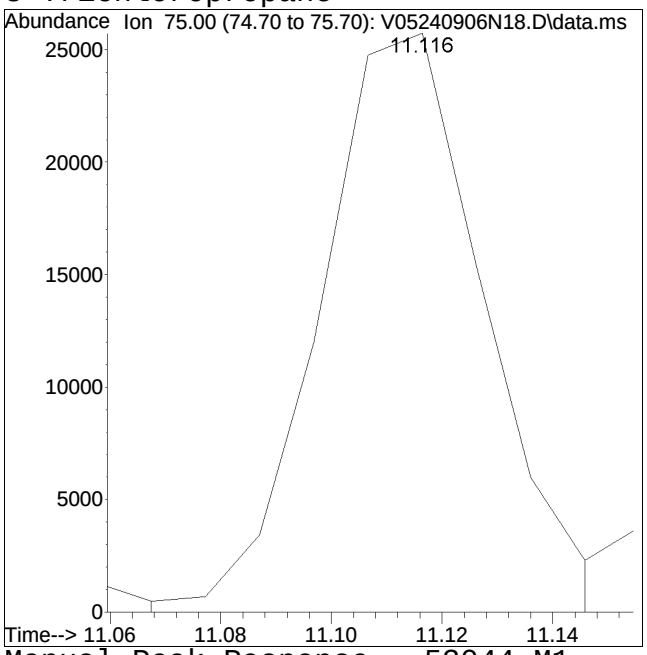
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #91: 1,2,3-Trichloropropane



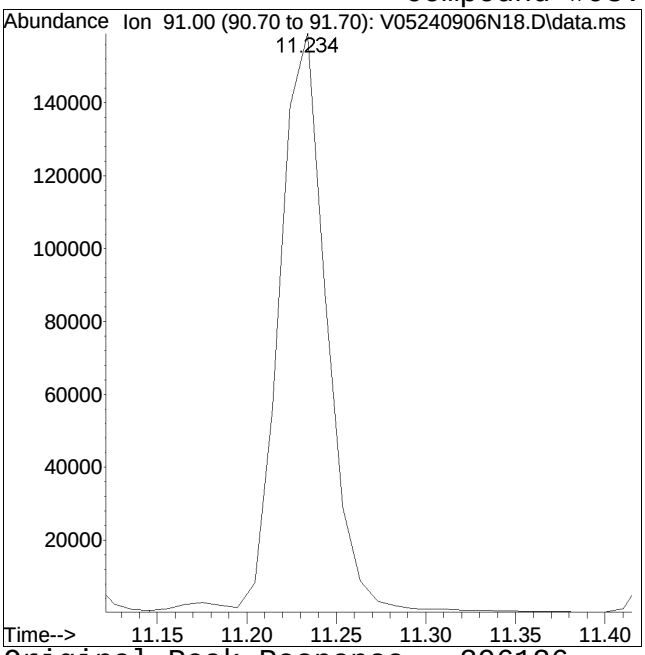


Original Peak Response = 52557 Manual Peak Response = 53044 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

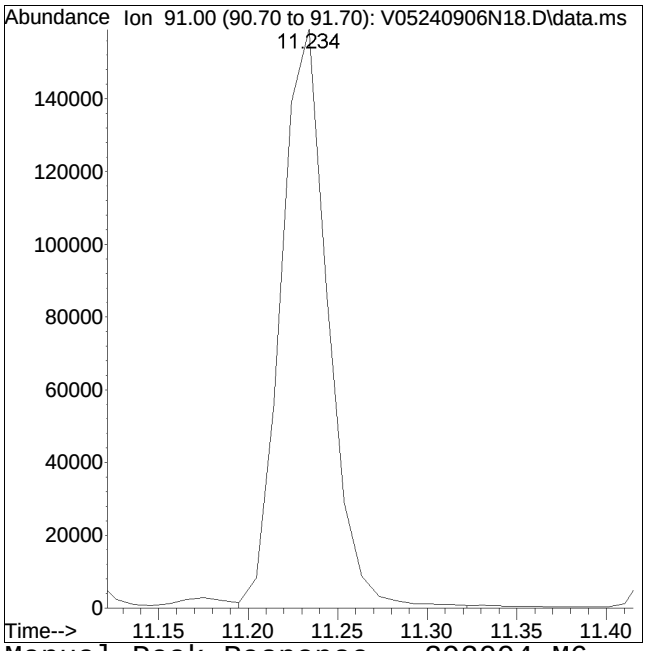
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 296126



Manual Peak Response = 292004 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report VOA105

Method Path : K:\VOA105\2024\240906NICAL\
Method File : V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
6	TP Chloroethane	Q	ug/L	10.0	9.596	-4.0	0.50	0.448	-10.4
106	TP 1,2-Dibromo-3-chloropropane	Q	ug/L	10.0	9.041	-9.6	0.50	0.589	17.8
110	TP Naphthalene	L	ug/L	10.0	8.793	-12.1	0.50	0.649	29.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
6	TP Chloroethane	Quadratic	0.998851	-0.004258	0.168206	0.00596107
106	TP 1,2-Dibromo-3-chloropropane	Quadratic	0.998718	0.000543	0.0717979	-0.00231609
110	TP Naphthalene	Linear	0.998839	0.000000	1.51913	-0.0605148

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097		
Project Name	: CONVENTUS	**Project Number**	: U86		
Instrument ID	: VOA105	**Calibration Date**	: 10/08/24 06:40		
Lab File ID	: V05241008A01	**Init. Calib. Date(s)**	: 09/06/24	09/06/24	
Sample No	: WG1981780-2	**Init. Calib. Times**	: 17:39	21:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	184	0
Dichlorodifluoromethane	0.293	0.312	-	-6.5	20	175	0
Chloromethane	0.283	0.233	-	17.7	20	140	0
Vinyl chloride	0.246	0.263	-	-6.9	20	178	0
Bromomethane	0.12	0.041	-	65.8*	20	66	0
Chloroethane	10	7.657	-	23.4*	20	149	.01
Trichlorofluoromethane	0.37	0.373	-	-0.8	20	169	0
Ethyl ether	0.089	0.074	-	16.9	20	151	0
1,1-Dichloroethene	0.184	0.184	-	0	20	170	0
Carbon disulfide	0.567	0.595	-	-4.9	20	178	0
Freon-113	0.202	0.201	-	0.5	20	165	0
Iodomethane	0.309	0.042	-	86.4*	20	25	0
Acrolein	0.025	0.023	-	8	20	190	0
Methylene chloride	0.219	0.233	-	-6.4	20	190	0
Acetone	0.047	0.038	-	19.1	20	150	0
trans-1,2-Dichloroethene	0.218	0.24	-	-10.1	20	191	0
Methyl acetate	0.104	0.101	-	2.9	20	189	0
Methyl tert-butyl ether	0.479	0.458	-	4.4	20	177	0
tert-Butyl alcohol	0.011	0.011	-	0	20	213	0
Diisopropyl ether	0.729	0.796	-	-9.2	20	199	0
1,1-Dichloroethane	0.396	0.447	-	-12.9	20	191	0
Halothane	0.175	0.191	-	-9.1	20	189	0
Acrylonitrile	0.055	0.047	-	14.5	20	160	0
Ethyl tert-butyl ether	0.537	0.607	-	-13	20	210	0
Vinyl acetate	0.434	0.443	-	-2.1	20	208	0
cis-1,2-Dichloroethene	0.247	0.262	-	-6.1	20	187	0
2,2-Dichloropropane	0.323	0.383	-	-18.6	20	204	0
Bromochloromethane	0.119	0.121	-	-1.7	20	176	0
Cyclohexane	0.382	0.468	-	-22.5*	20	199	0
Chloroform	0.414	0.414	-	0	20	177	0
Ethyl acetate	0.167	0.146	-	12.6	20	182	0
Carbon tetrachloride	0.356	0.371	-	-4.2	20	181	0
Tetrahydrofuran	0.054	0.045	-	16.7	20	164	0
Dibromofluoromethane	0.279	0.271	-	2.9	20	181	0
1,1,1-Trichloroethane	0.386	0.411	-	-6.5	20	180	-.01
2-Butanone	0.072	0.061	-	15.3	20	173	0
1,1-Dichloropropene	0.286	0.327	-	-14.3	20	195	0
Benzene	0.842	0.937	-	-11.3	20	189	0
tert-Amyl methyl ether	0.444	0.477	-	-7.4	20	200	0
1,2-Dichloroethane-d4	0.289	0.303	-	-4.8	20	185	0
1,2-Dichloroethane	0.278	0.291	-	-4.7	20	186	0
Methyl cyclohexane	0.386	0.421	-	-9.1	20	184	0
Trichloroethene	0.251	0.247	-	1.6	20	174	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		**Lab Number**	: L2457097	
Project Name	: CONVENTUS		**Project Number**	: U86	
Instrument ID	: VOA105		**Calibration Date**	: 10/08/24 06:40	
Lab File ID	: V05241008A01		**Init. Calib. Date(s)**	: 09/06/24	09/06/24
Sample No	: WG1981780-2		**Init. Calib. Times**	: 17:39	21:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.13	0.125	-	3.8	20	177	0
1,2-Dichloropropane	0.21	0.233	-	-11	20	193	0
Bromodichloromethane	0.308	0.303	-	1.6	20	180	0
1,4-Dioxane	0.00131	0.00135*	-	-3.1	20	196	0
cis-1,3-Dichloropropene	0.324	0.345	-	-6.5	20	190	0
Chlorobenzene-d5	1	1	-	0	20	177	0
Toluene-d8	1.208	1.269	-	-5	20	180	0
Toluene	0.702	0.752	-	-7.1	20	177	0
4-Methyl-2-pentanone	0.058	0.059	-	-1.7	20	194	-.01
Tetrachloroethene	0.37	0.4	-	-8.1	20	177	0
trans-1,3-Dichloropropene	0.342	0.376	-	-9.9	20	185	0
Ethyl methacrylate	0.231	0.217	-	6.1	20	180	0
1,1,2-Trichloroethane	0.174	0.18*	-	-3.4	20	175	0
Chlorodibromomethane	0.296	0.288	-	2.7	20	173	0
1,3-Dichloropropane	0.341	0.371	-	-8.8	20	180	0
1,2-Dibromoethane	0.234	0.24	-	-2.6	20	173	0
2-Hexanone	0.116	0.111	-	4.3	20	189	.01
Chlorobenzene	0.83	0.85	-	-2.4	20	173	0
Ethylbenzene	1.402	1.508	-	-7.6	20	176	0
1,1,1,2-Tetrachloroethane	0.305	0.308	-	-1	20	176	0
p/m Xylene	0.541	0.597	-	-10.4	20	176	0
o Xylene	0.513	0.559	-	-9	20	175	0
Styrene	0.849	0.885	-	-4.2	20	167	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	161	0
Bromoform	0.296	0.277	-	6.4	20	164	0
Isopropylbenzene	2.313	2.653	-	-14.7	20	173	0
4-Bromofluorobenzene	0.694	0.78	-	-12.4	20	186	-.01
Bromobenzene	0.608	0.622	-	-2.3	20	165	0
n-Propylbenzene	2.702	3.092	-	-14.4	20	172	0
1,4-Dichlorobutane	0.581	0.588	-	-1.2	20	160	0
1,1,2,2-Tetrachloroethane	0.402	0.398	-	1	20	164	0
4-Ethyltoluene	2.252	2.579	-	-14.5	20	173	0
2-Chlorotoluene	1.524	1.719	-	-12.8	20	171	0
1,3,5-Trimethylbenzene	1.987	2.21	-	-11.2	20	167	0
1,2,3-Trichloropropane	0.312	0.315	-	-1	20	162	0
trans-1,4-Dichloro-2-buten	0.133	0.119	-	10.5	20	148	0
4-Chlorotoluene	1.575	1.786	-	-13.4	20	172	0
tert-Butylbenzene	1.74	1.95	-	-12.1	20	169	0
1,2,4-Trimethylbenzene	1.903	2.096	-	-10.1	20	165	0
sec-Butylbenzene	2.546	2.836	-	-11.4	20	167	0
p-Isopropyltoluene	2.195	2.455	-	-11.8	20	166	0
1,3-Dichlorobenzene	1.201	1.256	-	-4.6	20	162	0
1,4-Dichlorobenzene	1.235	1.248	-	-1.1	20	160	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		**Lab Number**	: L2457097	
Project Name	: CONVENTUS		**Project Number**	: U86	
Instrument ID	: VOA105		**Calibration Date**	: 10/08/24 06:40	
Lab File ID	: V05241008A01		**Init. Calib. Date(s)**	: 09/06/24	09/06/24
Sample No	: WG1981780-2		**Init. Calib. Times**	: 17:39	21:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.271	1.372	-	-7.9	20	164	0
n-Butylbenzene	1.805	1.982	-	-9.8	20	162	0
1,2-Dichlorobenzene	1.085	1.114	-	-2.7	20	161	0
1,2,4,5-Tetramethylbenzene	1.922	1.93	-	-0.4	20	168	0
1,2-Dibromo-3-chloropropan	10	8.904	-	11	20	159	0
1,3,5-Trichlorobenzene	0.882	0.882	-	0	20	155	0
Hexachlorobutadiene	0.322	0.362	-	-12.4	20	179	0
1,2,4-Trichlorobenzene	0.724	0.74	-	-2.2	20	163	0
Naphthalene	10	9.481	-	5.2	20	174	0
1,2,3-Trichlorobenzene	0.616	0.613	-	0.5	20	157	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		**Lab Number**	: L2457097	
Project Name	: CONVENTUS		**Project Number**	: U86	
Instrument ID	: VOA105		**Calibration Date**	: 10/09/24 06:38	
Lab File ID	: V05241009A01		**Init. Calib. Date(s)**	: 09/06/24	09/06/24
Sample No	: WG1982134-2		**Init. Calib. Times**	: 17:39	21:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	140	0
Dichlorodifluoromethane	0.293	0.327	-	-11.6	20	139	0
Chloromethane	0.283	0.242	-	14.5	20	110	0
Vinyl chloride	0.246	0.264	-	-7.3	20	136	0
Bromomethane	0.12	0.042	-	65*	20	52	0
Chloroethane	10	8.398	-	16	20	124	.01
Trichlorofluoromethane	0.37	0.399	-	-7.8	20	137	0
Ethyl ether	0.089	0.073	-	18	20	113	0
1,1-Dichloroethene	0.184	0.186	-	-1.1	20	131	0
Carbon disulfide	0.567	0.617	-	-8.8	20	141	0
Freon-113	0.202	0.211	-	-4.5	20	132	0
Acrolein	0.025	0.021	-	16	20	133	0
Methylene chloride	0.219	0.243	-	-11	20	150	0
Acetone	0.047	0.039	-	17	20	116	0
trans-1,2-Dichloroethene	0.218	0.243	-	-11.5	20	147	0
Methyl acetate	0.104	0.098	-	5.8	20	140	0
Methyl tert-butyl ether	0.479	0.433	-	9.6	20	127	0
tert-Butyl alcohol	0.011	0.01	-	9.1	20	150	0
Diisopropyl ether	0.729	0.777	-	-6.6	20	148	0
1,1-Dichloroethane	0.396	0.464	-	-17.2	20	151	0
Halothane	0.175	0.198	-	-13.1	20	149	0
Acrylonitrile	0.055	0.047	-	14.5	20	122	0
Ethyl tert-butyl ether	0.537	0.582	-	-8.4	20	153	0
Vinyl acetate	0.434	0.438	-	-0.9	20	157	0
cis-1,2-Dichloroethene	0.247	0.267	-	-8.1	20	145	0
2,2-Dichloropropane	0.323	0.401	-	-24.1*	20	163	0
Bromochloromethane	0.119	0.129	-	-8.4	20	143	0
Cyclohexane	0.382	0.474	-	-24.1*	20	154	0
Chloroform	0.414	0.441	-	-6.5	20	143	0
Ethyl acetate	0.167	0.147	-	12	20	140	0
Carbon tetrachloride	0.356	0.404	-	-13.5	20	150	0
Tetrahydrofuran	0.054	0.05	-	7.4	20	138	0
Dibromofluoromethane	0.279	0.285	-	-2.2	20	145	0
1,1,1-Trichloroethane	0.386	0.435	-	-12.7	20	146	-.01
2-Butanone	0.072	0.066	-	8.3	20	141	0
1,1-Dichloropropene	0.286	0.332	-	-16.1	20	150	0
Benzene	0.842	0.958	-	-13.8	20	147	0
tert-Amyl methyl ether	0.444	0.458	-	-3.2	20	146	0
1,2-Dichloroethane-d4	0.289	0.32	-	-10.7	20	149	0
1,2-Dichloroethane	0.278	0.303	-	-9	20	147	0
Methyl cyclohexane	0.386	0.422	-	-9.3	20	140	0
Trichloroethene	0.251	0.261	-	-4	20	140	0
Dibromomethane	0.13	0.13	-	0	20	140	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		**Lab Number**	: L2457097	
Project Name	: CONVENTUS		**Project Number**	: U86	
Instrument ID	: VOA105		**Calibration Date**	: 10/09/24 06:38	
Lab File ID	: V05241009A01		**Init. Calib. Date(s)**	: 09/06/24	09/06/24
Sample No	: WG1982134-2		**Init. Calib. Times**	: 17:39	21:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.21	0.233	-	-11	20	147	0
Bromodichloromethane	0.308	0.319	-	-3.6	20	144	0
1,4-Dioxane	0.00131	0.00122*	-	6.9	20	136	0
cis-1,3-Dichloropropene	0.324	0.344	-	-6.2	20	144	0
Chlorobenzene-d5	1	1	-	0	20	137	0
Toluene-d8	1.208	1.256	-	-4	20	138	0
Toluene	0.702	0.762	-	-8.5	20	139	0
4-Methyl-2-pentanone	0.058	0.054	-	6.9	20	137	-.01
Tetrachloroethene	0.37	0.425	-	-14.9	20	145	0
trans-1,3-Dichloropropene	0.342	0.375	-	-9.6	20	143	0
Ethyl methacrylate	0.231	0.191	-	17.3	20	123	0
1,1,2-Trichloroethane	0.174	0.184*	-	-5.7	20	139	0
Chlorodibromomethane	0.296	0.303	-	-2.4	20	141	0
1,3-Dichloropropane	0.341	0.365	-	-7	20	137	0
1,2-Dibromoethane	0.234	0.231	-	1.3	20	129	0
2-Hexanone	0.116	0.101	-	12.9	20	133	0
Chlorobenzene	0.83	0.861	-	-3.7	20	135	0
Ethylbenzene	1.402	1.509	-	-7.6	20	136	0
1,1,1,2-Tetrachloroethane	0.305	0.325	-	-6.6	20	144	0
p/m Xylene	0.541	0.598	-	-10.5	20	137	0
o Xylene	0.513	0.558	-	-8.8	20	135	0
Styrene	0.849	0.899	-	-5.9	20	131	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
Bromoform	0.296	0.273	-	7.8	20	135	0
Isopropylbenzene	2.313	2.483	-	-7.3	20	135	0
4-Bromofluorobenzene	0.694	0.726	-	-4.6	20	144	-.01
Bromobenzene	0.608	0.611	-	-0.5	20	135	0
n-Propylbenzene	2.702	2.902	-	-7.4	20	134	0
1,4-Dichlorobutane	0.581	0.538	-	7.4	20	122	0
1,1,2,2-Tetrachloroethane	0.402	0.368	-	8.5	20	126	0
4-Ethyltoluene	2.252	2.422	-	-7.5	20	136	0
2-Chlorotoluene	1.524	1.658	-	-8.8	20	137	0
1,3,5-Trimethylbenzene	1.987	2.103	-	-5.8	20	132	0
1,2,3-Trichloropropane	0.312	0.298	-	4.5	20	128	0
trans-1,4-Dichloro-2-buten	0.133	0.112	-	15.8	20	116	0
4-Chlorotoluene	1.575	1.69	-	-7.3	20	136	0
tert-Butylbenzene	1.74	1.843	-	-5.9	20	133	0
1,2,4-Trimethylbenzene	1.903	1.995	-	-4.8	20	131	0
sec-Butylbenzene	2.546	2.719	-	-6.8	20	133	0
p-Isopropyltoluene	2.195	2.348	-	-7	20	132	0
1,3-Dichlorobenzene	1.201	1.218	-	-1.4	20	131	0
1,4-Dichlorobenzene	1.235	1.227	-	0.6	20	131	0
p-Diethylbenzene	1.271	1.299	-	-2.2	20	129	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Instrument ID	: VOA105	**Calibration Date**	: 10/09/24 06:38
Lab File ID	: V05241009A01	**Init. Calib. Date(s)**	: 09/06/24 09/06/24
Sample No	: WG1982134-2	**Init. Calib. Times**	: 17:39 21:53
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.805	1.921	-	-6.4	20	131	0
1,2-Dichlorobenzene	1.085	1.1	-	-1.4	20	132	0
1,2,4,5-Tetramethylbenzene	1.922	1.793	-	6.7	20	130	0
1,2-Dibromo-3-chloropropan	10	8.541	-	14.6	20	127	0
1,3,5-Trichlorobenzene	0.882	0.882	-	0	20	129	0
Hexachlorobutadiene	0.322	0.364	-	-13	20	150	0
1,2,4-Trichlorobenzene	0.724	0.714	-	1.4	20	131	0
Naphthalene	10	8.296	-	17	20	126	0
1,2,3-Trichlorobenzene	0.616	0.595	-	3.4	20	127	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-2
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	184	0.00
2	TP	Dichlorodifluoromethane	0.293	0.312	-6.5	175	0.00
3	TP	Chloromethane	0.283	0.233	17.7	140	0.00
4	TP	Vinyl chloride	0.246	0.263	-6.9	178	0.00
5	TP	Bromomethane	0.120	0.041	65.8#	66	0.00
6	TP	Chloroethane	* 10.000	7.657	23.4#	149	0.01
7	TP	Trichlorofluoromethane	0.370	0.373	-0.8	169	0.00
8	TP	Ethyl ether	0.089	0.074	16.9	151	0.00
10	TP	1,1-Dichloroethene	0.184	0.184	0.0	170	0.00
11	TP	Carbon disulfide	0.567	0.595	-4.9	178	0.00
12	TP	Freon-113	0.202	0.201	0.5	165	0.00
13	TP	Iodomethane	0.309	0.042	86.4#	25#	0.00
14	TP	Acrolein	0.025	0.023	8.0	190	0.00
15	TP	Methylene chloride	0.219	0.233	-6.4	190	0.00
17	TP	Acetone	0.047	0.038	19.1	150	0.00
18	TP	trans-1,2-Dichloroethene	0.218	0.240	-10.1	191	0.00
19	TP	Methyl acetate	0.104	0.101	2.9	189	0.00
20	TP	Methyl tert-butyl ether	0.479	0.458	4.4	177	0.00
21	TP	tert-Butyl alcohol	0.011	0.011	0.0	213#	0.00
22	TP	Diisopropyl ether	0.729	0.796	-9.2	199	0.00
23	TP	1,1-Dichloroethane	0.396	0.447	-12.9	191	0.00
24	TP	Halothane	0.175	0.191	-9.1	189	0.00
25	TP	Acrylonitrile	0.055	0.047	14.5	160	0.00
26	TP	Ethyl tert-butyl ether	0.537	0.607	-13.0	210#	0.00
27	TP	Vinyl acetate	0.434	0.443	-2.1	208#	0.00
28	TP	cis-1,2-Dichloroethene	0.247	0.262	-6.1	187	0.00
29	TP	2,2-Dichloropropane	0.323	0.383	-18.6	204#	0.00
30	TP	Bromochloromethane	0.119	0.121	-1.7	176	0.00
31	TP	Cyclohexane	0.382	0.468	-22.5#	199	0.00
32	TP	Chloroform	0.414	0.414	0.0	177	0.00
33	TP	Ethyl acetate	0.167	0.146	12.6	182	0.00
34	TP	Carbon tetrachloride	0.356	0.371	-4.2	181	0.00
35	TP	Tetrahydrofuran	0.054	0.045	16.7	164	0.00
36	S	Dibromofluoromethane	0.279	0.271	2.9	181	0.00
37	TP	1,1,1-Trichloroethane	0.386	0.411	-6.5	180	-0.01
39	TP	2-Butanone	0.072	0.061	15.3	173	0.00
40	TP	1,1-Dichloropropene	0.286	0.327	-14.3	195	0.00
41	TP	Benzene	0.842	0.937	-11.3	189	0.00
42	TP	tert-Amyl methyl ether	0.444	0.477	-7.4	200	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-2
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.289	0.303	-4.8	185	0.00
44	TP	1,2-Dichloroethane	0.278	0.291	-4.7	186	0.00
47	TP	Methyl cyclohexane	0.386	0.421	-9.1	184	0.00
48	TP	Trichloroethene	0.251	0.247	1.6	174	0.00
50	TP	Dibromomethane	0.130	0.125	3.8	177	0.00
51	TP	1,2-Dichloropropane	0.210	0.233	-11.0	193	0.00
54	TP	Bromodichloromethane	0.308	0.303	1.6	180	0.00
57	TP	1,4-Dioxane	0.00131	0.00135#	-3.1	196	0.00
58	TP	cis-1,3-Dichloropropene	0.324	0.345	-6.5	190	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	177	0.00
60	S	Toluene-d8	1.208	1.269	-5.0	180	0.00
61	TP	Toluene	0.702	0.752	-7.1	177	0.00
62	TP	4-Methyl-2-pentanone	0.058	0.059	-1.7	194	-0.01
63	TP	Tetrachloroethene	0.370	0.400	-8.1	177	0.00
65	TP	trans-1,3-Dichloropropene	0.342	0.376	-9.9	185	0.00
67	TP	Ethyl methacrylate	0.231	0.217	6.1	180	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.180#	-3.4	175	0.00
69	TP	Chlorodibromomethane	0.296	0.288	2.7	173	0.00
70	TP	1,3-Dichloropropane	0.341	0.371	-8.8	180	0.00
71	TP	1,2-Dibromoethane	0.234	0.240	-2.6	173	0.00
72	TP	2-Hexanone	0.116	0.111	4.3	189	0.01
73	TP	Chlorobenzene	0.830	0.850	-2.4	173	0.00
74	TP	Ethylbenzene	1.402	1.508	-7.6	176	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.305	0.308	-1.0	176	0.00
76	TP	p/m Xylene	0.541	0.597	-10.4	176	0.00
77	TP	o Xylene	0.513	0.559	-9.0	175	0.00
78	TP	Styrene	0.849	0.885	-4.2	167	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	161	0.00
80	TP	Bromoform	0.296	0.277	6.4	164	0.00
82	TP	Isopropylbenzene	2.313	2.653	-14.7	173	0.00
83	S	4-Bromofluorobenzene	0.694	0.780	-12.4	186	-0.01
84	TP	Bromobenzene	0.608	0.622	-2.3	165	0.00
85	TP	n-Propylbenzene	2.702	3.092	-14.4	172	0.00
86	TP	1,4-Dichlorobutane	0.581	0.588	-1.2	160	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.402	0.398	1.0	164	0.00
88	TP	4-Ethyltoluene	2.252	2.579	-14.5	173	0.00
89	TP	2-Chlorotoluene	1.524	1.719	-12.8	171	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-2
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene		1.987	2.210	-11.2	167	0.00
91 TP	1,2,3-Trichloropropane		0.312	0.315	-1.0	162	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.133	0.119	10.5	148	0.00
93 TP	4-Chlorotoluene		1.575	1.786	-13.4	172	0.00
94 TP	tert-Butylbenzene		1.740	1.950	-12.1	169	0.00
97 TP	1,2,4-Trimethylbenzene		1.903	2.096	-10.1	165	0.00
98 TP	sec-Butylbenzene		2.546	2.836	-11.4	167	0.00
99 TP	p-Isopropyltoluene		2.195	2.455	-11.8	166	0.00
100 TP	1,3-Dichlorobenzene		1.201	1.256	-4.6	162	0.00
101 TP	1,4-Dichlorobenzene		1.235	1.248	-1.1	160	0.00
102 TP	p-Diethylbenzene		1.271	1.372	-7.9	164	0.00
103 TP	n-Butylbenzene		1.805	1.982	-9.8	162	0.00
104 TP	1,2-Dichlorobenzene		1.085	1.114	-2.7	161	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.922	1.930	-0.4	168	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.904	11.0	159	0.00
107 TP	1,3,5-Trichlorobenzene		0.882	0.882	0.0	155	0.00
108 TP	Hexachlorobutadiene		0.322	0.362	-12.4	179	0.00
109 TP	1,2,4-Trichlorobenzene		0.724	0.740	-2.2	163	0.00
110 TP	Naphthalene	*	10.000	9.481	5.2	174	0.00
111 TP	1,2,3-Trichlorobenzene		0.616	0.613	0.5	157	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-2
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.684	96	594385	10.000	ug/L		0.00
59) Chlorobenzene-d5	9.177	117	454960	10.000	ug/L		0.00
79) 1,4-Dichlorobenzene-d4	11.949	152	272073	10.000	ug/L		0.00
System Monitoring Compounds							
36) Dibromofluoromethane	4.902	113	161205	9.705	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.05%				
43) 1,2-Dichloroethane-d4	5.410	65	180113	10.488	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.88%				
60) Toluene-d8	7.347	98	577274	10.506	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.06%				
83) 4-Bromofluorobenzene	10.705	95	212344	11.248	ug/L		-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.48%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.498	85	185646	10.670	ug/L		96
3) Chloromethane	1.674	50	138707	8.258	ug/L		98
4) Vinyl chloride	1.743	62	156266	10.693	ug/L		85
5) Bromomethane	2.016	94	24189	3.400	ug/L		99
6) Chloroethane	2.124	64	78612	7.657	ug/L		96
7) Trichlorofluoromethane	2.251	101	221466	10.070	ug/L		99
8) Ethyl ether	2.535	74	44069	8.322	ug/L	#	54
10) 1,1-Dichloroethene	2.711	96	109479	10.005	ug/L		93
11) Carbon disulfide	2.740	76	353790	10.503	ug/L		100
12) Freon-113	2.740	101	119544	9.935	ug/L	#	74
13) Iodomethane	2.848	142	24936	1.357	ug/L		91
14) Acrolein	3.043	56	13828	9.492	ug/L		98
15) Methylene chloride	3.249	84	138761	10.681	ug/L	#	73
17) Acetone	3.317	43	22807	8.118	ug/L		96
18) trans-1,2-Dichloroethene	3.396	96	142730	11.034	ug/L		97
19) Methyl acetate	3.415	43	59743	9.696	ug/L	#	82
20) Methyl tert-butyl ether	3.484	73	272355	9.562	ug/L	#	87
21) tert-Butyl alcohol	3.601	59	33318	51.701	ug/L		90
22) Diisopropyl ether	3.826	45	473350	10.924	ug/L	#	91
23) 1,1-Dichloroethane	3.953	63	265450	11.267	ug/L		97
24) Halothane	4.012	117	113474	10.906	ug/L		99
25) Acrylonitrile	4.031	53	27825	8.510	ug/L	#	89
26) Ethyl tert-butyl ether	4.168	59	360798	11.299	ug/L	#	79
27) Vinyl acetate	4.198	43	263022M6	10.189	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	155452	10.610	ug/L		98

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-2
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.550	77	227491	11.842	ug/L		89
30) Bromochloromethane	4.657	128	71875	10.164	ug/L	#	84
31) Cyclohexane	4.638	56	278281	12.243	ug/L		77
32) Chloroform	4.726	83	246308	10.000	ug/L	#	96
33) Ethyl acetate	4.843	43	86817	8.753	ug/L	#	93
34) Carbon tetrachloride	4.843	117	220787	10.441	ug/L		98
35) Tetrahydrofuran	4.872	42	26548M6	8.323	ug/L		
37) 1,1,1-Trichloroethane	4.902	97	244120	10.631	ug/L		98
39) 2-Butanone	5.019	43	36333	8.507	ug/L	#	70
40) 1,1-Dichloropropene	5.029	75	194456	11.436	ug/L		95
41) Benzene	5.264	78	556693	11.117	ug/L		94
42) tert-Amyl methyl ether	5.371	73	283529	10.743	ug/L		96
44) 1,2-Dichloroethane	5.479	62	172881	10.457	ug/L		99
47) Methyl cyclohexane	5.831	83	249995	10.886	ug/L	#	79
48) Trichloroethene	5.851	95	146599	9.836	ug/L		90
50) Dibromomethane	6.300	93	74568	9.642	ug/L		89
51) 1,2-Dichloropropane	6.388	63	138322	11.061	ug/L	#	89
54) Bromodichloromethane	6.477	83	180192	9.839	ug/L		98
57) 1,4-Dioxane	6.682	88	40003	512.474	ug/L	#	84
58) cis-1,3-Dichloropropene	7.151	75	204937	10.638	ug/L	#	85
61) Toluene	7.406	92	342264	10.716	ug/L		98
62) 4-Methyl-2-pentanone	7.846	58	26690	10.096	ug/L	#	70
63) Tetrachloroethene	7.846	166	181885	10.792	ug/L		90
65) trans-1,3-Dichloropropene	7.905	75	171138	11.014	ug/L		84
67) Ethyl methacrylate	8.081	69	98501	9.378	ug/L		95
68) 1,1,2-Trichloroethane	8.081	83	81997	10.376	ug/L		99
69) Chlorodibromomethane	8.286	129	131121	9.731	ug/L		99
70) 1,3-Dichloropropane	8.394	76	168696	10.879	ug/L		98
71) 1,2-Dibromoethane	8.560	107	109288	10.272	ug/L		98
72) 2-Hexanone	8.863	43	50498	9.579	ug/L		90
73) Chlorobenzene	9.196	112	386833	10.245	ug/L		90
74) Ethylbenzene	9.236	91	686096	10.757	ug/L		94
75) 1,1,1,2-Tetrachloroethane	9.284	131	140196	10.114	ug/L		99
76) p/m Xylene	9.422	106	543206	22.055	ug/L		84
77) o Xylene	9.960	106	508694	21.802	ug/L		86
78) Styrene	10.039	104	805514	20.864	ug/L		90
80) Bromoform	10.068	173	75345	9.347	ug/L		98
82) Isopropylbenzene	10.362	105	721714	11.469	ug/L		95
84) Bromobenzene	10.822	156	169187	10.226	ug/L		98
85) n-Propylbenzene	10.862	91	841138	11.440	ug/L		94
86) 1,4-Dichlorobutane	10.891	55	160102	10.135	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-2
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
87)	1,1,2,2-Tetrachloroethane	10.979	83	108351	9.915	ug/L		99
88)	4-Ethyltoluene	10.999	105	701796	11.456	ug/L		97
89)	2-Chlorotoluene	11.038	91	467782M6	11.285	ug/L		
90)	1,3,5-Trimethylbenzene	11.097	105	601161	11.120	ug/L		94
91)	1,2,3-Trichloropropane	11.116	75	85830M1	10.116	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.175	53	32420	8.951	ug/L	#	83
93)	4-Chlorotoluene	11.224	91	485904M4	11.342	ug/L		
94)	tert-Butylbenzene	11.449	119	530493	11.205	ug/L		97
97)	1,2,4-Trimethylbenzene	11.528	105	570194	11.012	ug/L		93
98)	sec-Butylbenzene	11.636	105	771469	11.137	ug/L		96
99)	p-Isopropyltoluene	11.802	119	667971	11.185	ug/L		94
100)	1,3-Dichlorobenzene	11.871	146	341606	10.452	ug/L		96
101)	1,4-Dichlorobenzene	11.969	146	339677	10.111	ug/L		97
102)	p-Diethylbenzene	12.184	119	373222	10.789	ug/L		97
103)	n-Butylbenzene	12.243	91	539252	10.983	ug/L		97
104)	1,2-Dichlorobenzene	12.390	146	303174	10.269	ug/L		96
105)	1,2,4,5-Tetramethylben...	12.987	119	525113	10.043	ug/L		94
106)	1,2-Dibromo-3-chloropr...	13.183	155	16881	8.904	ug/L		99
107)	1,3,5-Trichlorobenzene	13.213	180	240035	10.008	ug/L		96
108)	Hexachlorobutadiene	13.781	225	98563	11.266	ug/L		100
109)	1,2,4-Trichlorobenzene	13.810	180	201418	10.223	ug/L		98
110)	Naphthalene	14.104	128	375396	9.481	ug/L		100
111)	1,2,3-Trichlorobenzene	14.280	180	166803	9.957	ug/L		96

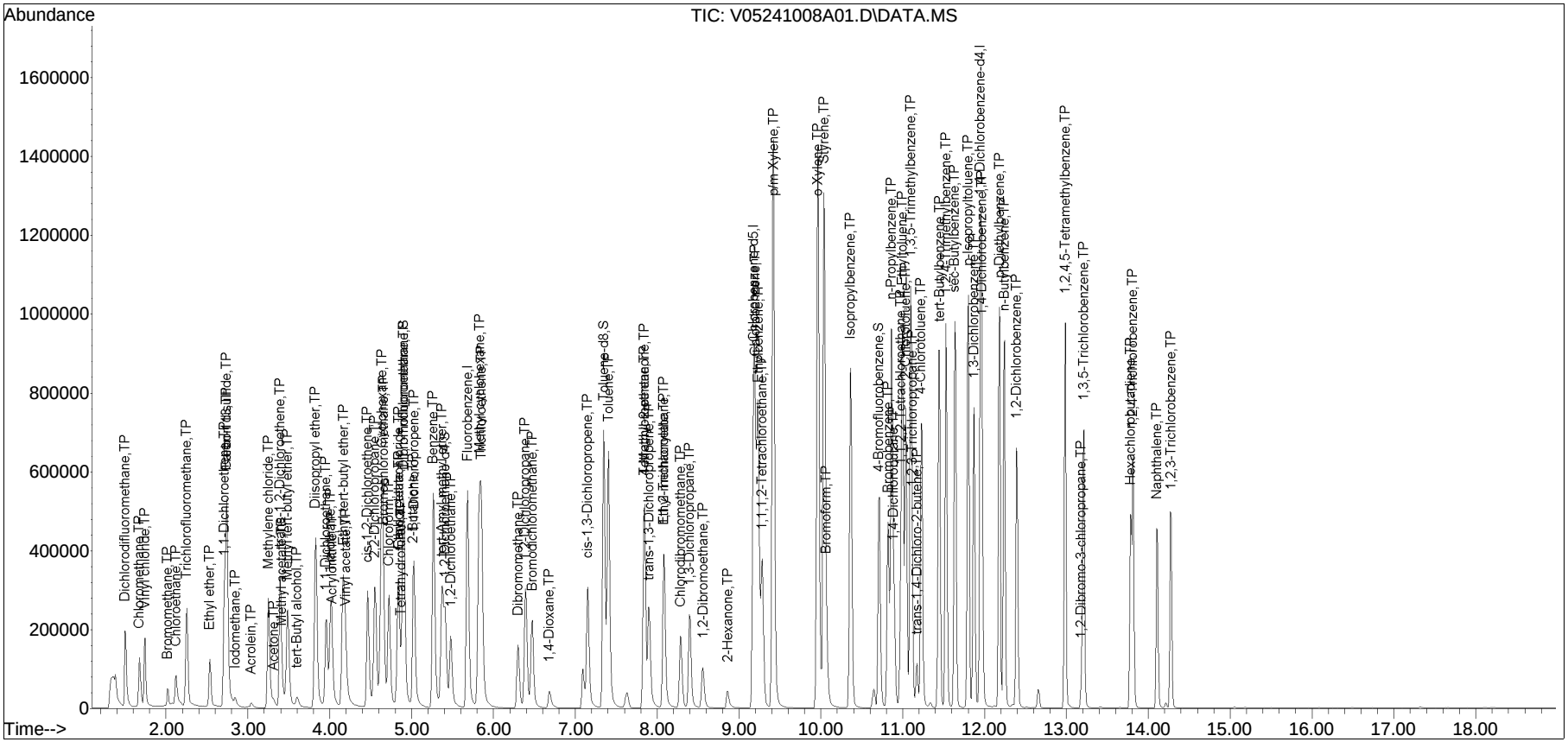
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-2
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

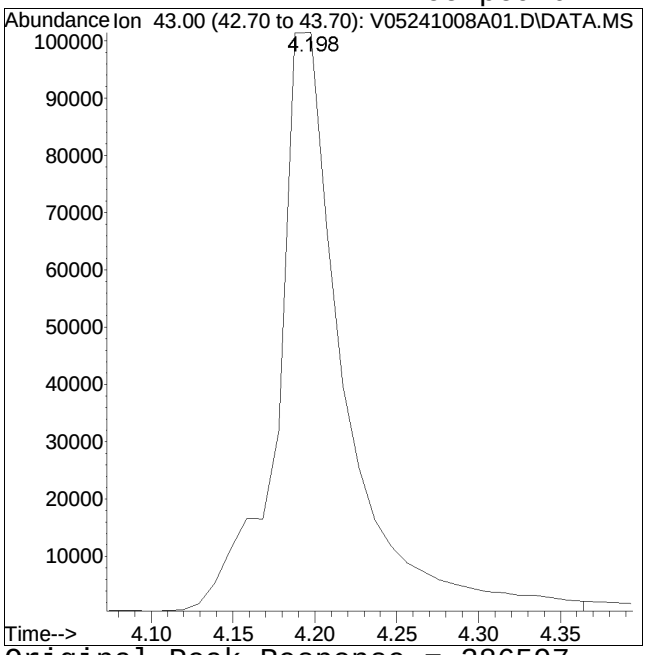


Manual Integration Report

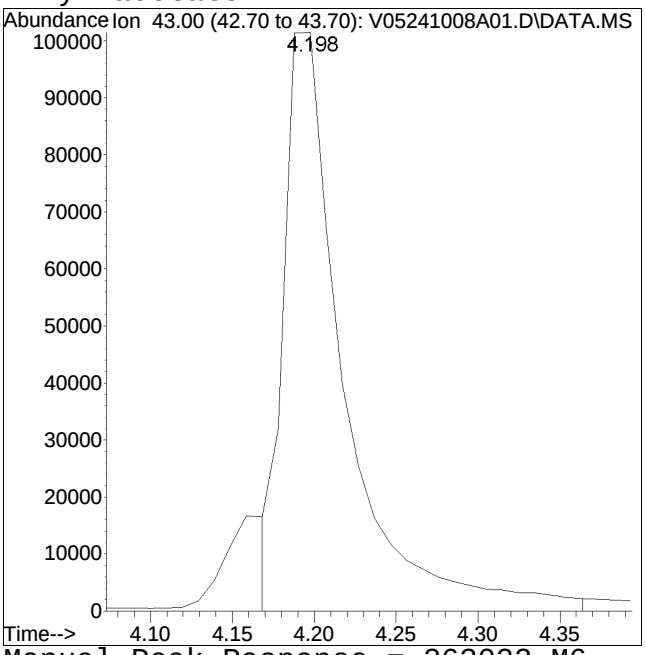
Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Date Inj'd : 10/8/2024 6:40 am
Sample : WG1981780-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/8/2024 7:26 am

Compound #27: Vinyl acetate



Original Peak Response = 286597



Manual Peak Response = 263022 M6

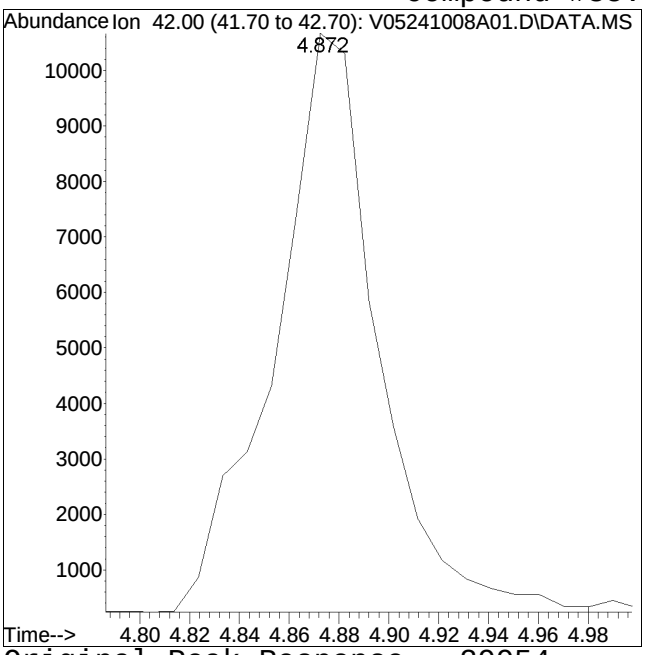
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

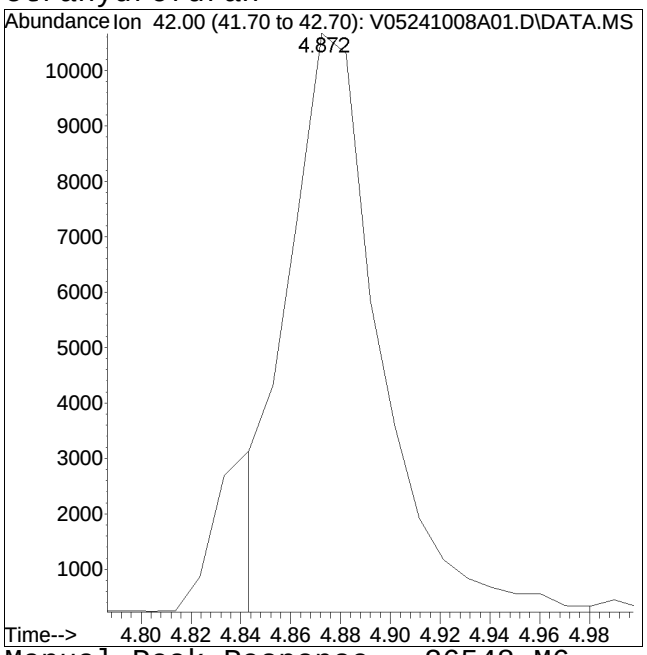
Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Date Inj'd : 10/8/2024 6:40 am
Sample : WG1981780-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/8/2024 7:26 am

Compound #35: Tetrahydrofuran



Original Peak Response = 29954



Manual Peak Response = 26548 M6

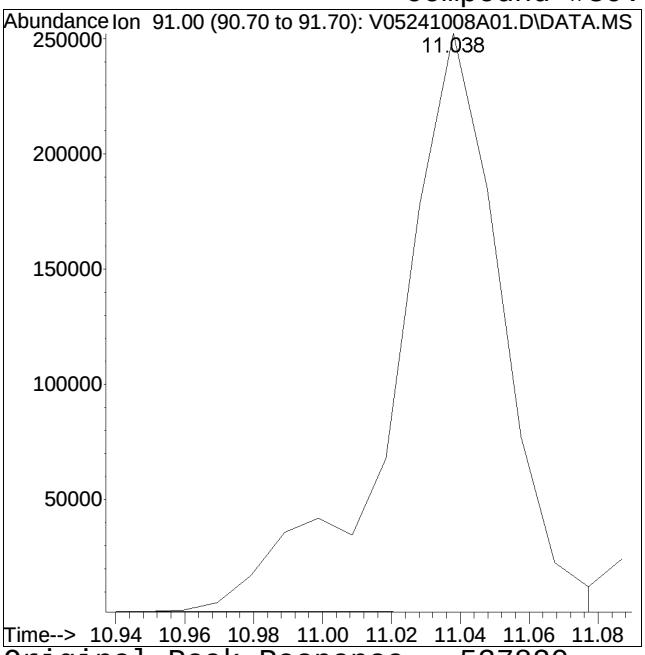
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

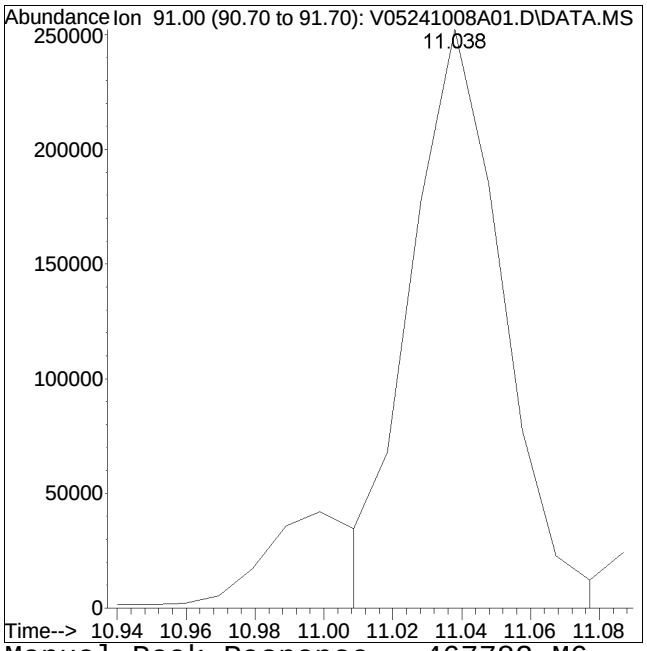
Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Date Inj'd : 10/8/2024 6:40 am
Sample : WG1981780-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/8/2024 7:26 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 537820



Manual Peak Response = 467782 M6

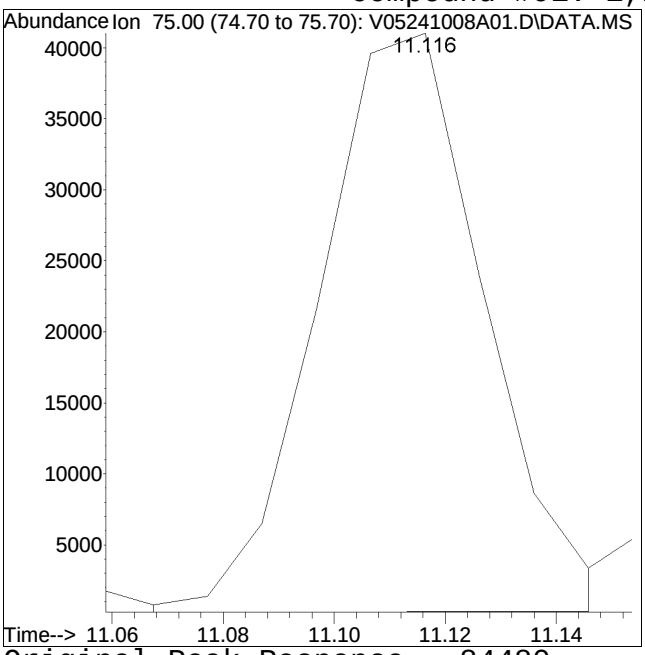
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

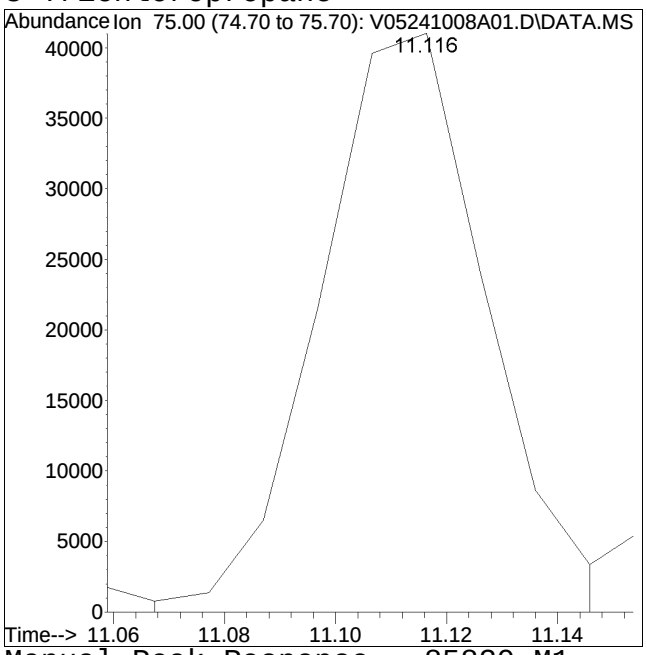
Manual Integration Report

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Date Inj'd : 10/8/2024 6:40 am
Sample : WG1981780-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/8/2024 7:26 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 84480 Manual Peak Response = 85830 M1

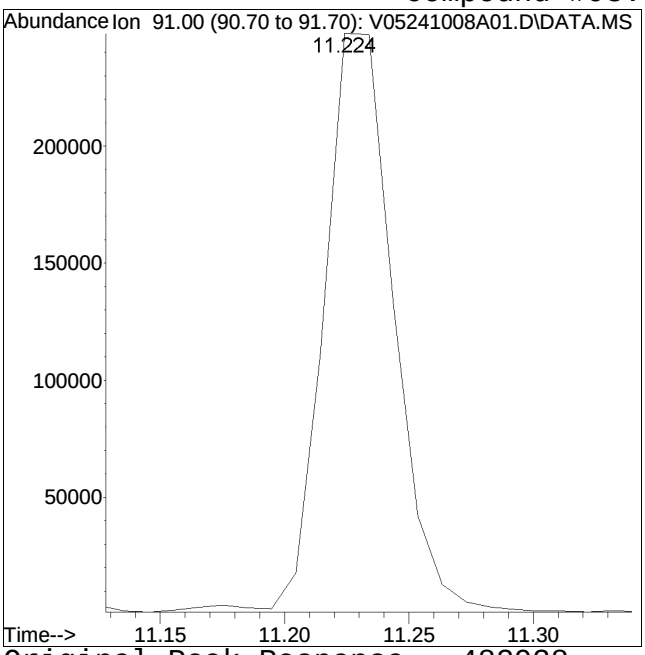
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

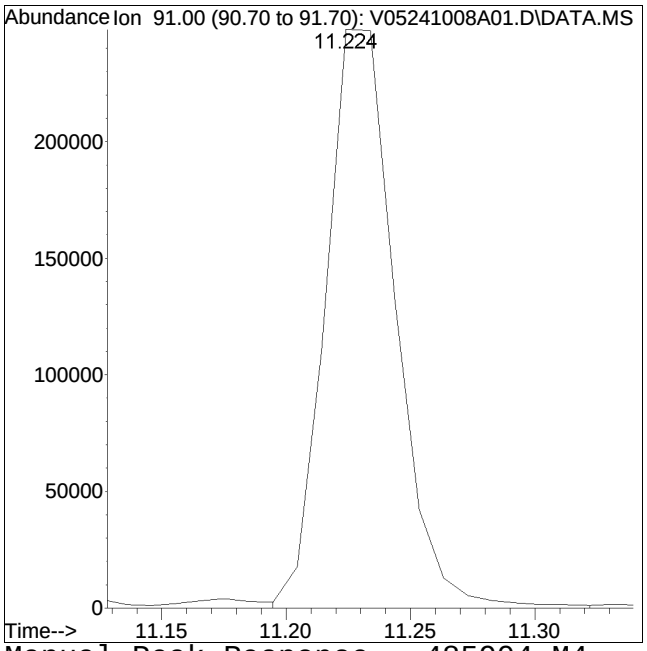
Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Date Inj'd : 10/8/2024 6:40 am
Sample : WG1981780-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/8/2024 7:26 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 482938



Manual Peak Response = 485904 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	140	0.00
2	TP	Dichlorodifluoromethane	0.293	0.327	-11.6	139	0.00
3	TP	Chloromethane	0.283	0.242	14.5	110	0.00
4	TP	Vinyl chloride	0.246	0.264	-7.3	136	0.00
5	TP	Bromomethane	0.120	0.042	65.0#	52	0.00
6	TP	Chloroethane	* 10.000	8.398	16.0	124	0.01
7	TP	Trichlorofluoromethane	0.370	0.399	-7.8	137	0.00
8	TP	Ethyl ether	0.089	0.073	18.0	113	0.00
10	TP	1,1-Dichloroethene	0.184	0.186	-1.1	131	0.00
11	TP	Carbon disulfide	0.567	0.617	-8.8	141	0.00
12	TP	Freon-113	0.202	0.211	-4.5	132	0.00
14	TP	Acrolein	0.025	0.021	16.0	133	0.00
15	TP	Methylene chloride	0.219	0.243	-11.0	150	0.00
17	TP	Acetone	0.047	0.039	17.0	116	0.00
18	TP	trans-1,2-Dichloroethene	0.218	0.243	-11.5	147	0.00
19	TP	Methyl acetate	0.104	0.098	5.8	140	0.00
20	TP	Methyl tert-butyl ether	0.479	0.433	9.6	127	0.00
21	TP	tert-Butyl alcohol	0.011	0.010	9.1	150	0.00
22	TP	Diisopropyl ether	0.729	0.777	-6.6	148	0.00
23	TP	1,1-Dichloroethane	0.396	0.464	-17.2	151	0.00
24	TP	Halothane	0.175	0.198	-13.1	149	0.00
25	TP	Acrylonitrile	0.055	0.047	14.5	122	0.00
26	TP	Ethyl tert-butyl ether	0.537	0.582	-8.4	153	0.00
27	TP	Vinyl acetate	0.434	0.438	-0.9	157	0.00
28	TP	cis-1,2-Dichloroethene	0.247	0.267	-8.1	145	0.00
29	TP	2,2-Dichloropropane	0.323	0.401	-24.1#	163	0.00
30	TP	Bromochloromethane	0.119	0.129	-8.4	143	0.00
31	TP	Cyclohexane	0.382	0.474	-24.1#	154	0.00
32	TP	Chloroform	0.414	0.441	-6.5	143	0.00
33	TP	Ethyl acetate	0.167	0.147	12.0	140	0.00
34	TP	Carbon tetrachloride	0.356	0.404	-13.5	150	0.00
35	TP	Tetrahydrofuran	0.054	0.050	7.4	138	0.00
36	S	Dibromofluoromethane	0.279	0.285	-2.2	145	0.00
37	TP	1,1,1-Trichloroethane	0.386	0.435	-12.7	146	-0.01
39	TP	2-Butanone	0.072	0.066	8.3	141	0.00
40	TP	1,1-Dichloropropene	0.286	0.332	-16.1	150	0.00
41	TP	Benzene	0.842	0.958	-13.8	147	0.00
42	TP	tert-Amyl methyl ether	0.444	0.458	-3.2	146	0.00
43	S	1,2-Dichloroethane-d4	0.289	0.320	-10.7	149	0.00

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.278	0.303	-9.0	147	0.00
47	TP	Methyl cyclohexane	0.386	0.422	-9.3	140	0.00
48	TP	Trichloroethene	0.251	0.261	-4.0	140	0.00
50	TP	Dibromomethane	0.130	0.130	0.0	140	0.00
51	TP	1,2-Dichloropropane	0.210	0.233	-11.0	147	0.00
54	TP	Bromodichloromethane	0.308	0.319	-3.6	144	0.00
57	TP	1,4-Dioxane	0.00131	0.00122#	6.9	136	0.00
58	TP	cis-1,3-Dichloropropene	0.324	0.344	-6.2	144	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	137	0.00
60	S	Toluene-d8	1.208	1.256	-4.0	138	0.00
61	TP	Toluene	0.702	0.762	-8.5	139	0.00
62	TP	4-Methyl-2-pentanone	0.058	0.054	6.9	137	-0.01
63	TP	Tetrachloroethene	0.370	0.425	-14.9	145	0.00
65	TP	trans-1,3-Dichloropropene	0.342	0.375	-9.6	143	0.00
67	TP	Ethyl methacrylate	0.231	0.191	17.3	123	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.184#	-5.7	139	0.00
69	TP	Chlorodibromomethane	0.296	0.303	-2.4	141	0.00
70	TP	1,3-Dichloropropane	0.341	0.365	-7.0	137	0.00
71	TP	1,2-Dibromoethane	0.234	0.231	1.3	129	0.00
72	TP	2-Hexanone	0.116	0.101	12.9	133	0.00
73	TP	Chlorobenzene	0.830	0.861	-3.7	135	0.00
74	TP	Ethylbenzene	1.402	1.509	-7.6	136	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.305	0.325	-6.6	144	0.00
76	TP	p/m Xylene	0.541	0.598	-10.5	137	0.00
77	TP	o Xylene	0.513	0.558	-8.8	135	0.00
78	TP	Styrene	0.849	0.899	-5.9	131	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	134	0.00
80	TP	Bromoform	0.296	0.273	7.8	135	0.00
82	TP	Isopropylbenzene	2.313	2.483	-7.3	135	0.00
83	S	4-Bromofluorobenzene	0.694	0.726	-4.6	144	-0.01
84	TP	Bromobenzene	0.608	0.611	-0.5	135	0.00
85	TP	n-Propylbenzene	2.702	2.902	-7.4	134	0.00
86	TP	1,4-Dichlorobutane	0.581	0.538	7.4	122	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.402	0.368	8.5	126	0.00
88	TP	4-Ethyltoluene	2.252	2.422	-7.5	136	0.00
89	TP	2-Chlorotoluene	1.524	1.658	-8.8	137	0.00
90	TP	1,3,5-Trimethylbenzene	1.987	2.103	-5.8	132	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane		0.312	0.298	4.5	128	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.133	0.112	15.8	116	0.00
93 TP	4-Chlorotoluene		1.575	1.690	-7.3	136	0.00
94 TP	tert-Butylbenzene		1.740	1.843	-5.9	133	0.00
97 TP	1,2,4-Trimethylbenzene		1.903	1.995	-4.8	131	0.00
98 TP	sec-Butylbenzene		2.546	2.719	-6.8	133	0.00
99 TP	p-Isopropyltoluene		2.195	2.348	-7.0	132	0.00
100 TP	1,3-Dichlorobenzene		1.201	1.218	-1.4	131	0.00
101 TP	1,4-Dichlorobenzene		1.235	1.227	0.6	131	0.00
102 TP	p-Diethylbenzene		1.271	1.299	-2.2	129	0.00
103 TP	n-Butylbenzene		1.805	1.921	-6.4	131	0.00
104 TP	1,2-Dichlorobenzene		1.085	1.100	-1.4	132	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.922	1.793	6.7	130	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.541	14.6	127	0.00
107 TP	1,3,5-Trichlorobenzene		0.882	0.882	0.0	129	0.00
108 TP	Hexachlorobutadiene		0.322	0.364	-13.0	150	0.00
109 TP	1,2,4-Trichlorobenzene		0.724	0.714	1.4	131	0.00
110 TP	Naphthalene	*	10.000	8.296	17.0	126	0.00
111 TP	1,2,3-Trichlorobenzene		0.616	0.595	3.4	127	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	452753	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.177	117	351916	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.949	152	226621	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	128870	10.185	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.85%			
43) 1,2-Dichloroethane-d4	5.410	65	144949	11.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.81%			
60) Toluene-d8	7.347	98	442025	10.400	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.00%			
83) 4-Bromofluorobenzene	10.705	95	164418	10.456	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.508	85	148148	11.178	ug/L	97
3) Chloromethane	1.674	50	109528	8.561	ug/L	96
4) Vinyl chloride	1.743	62	119390	10.725	ug/L	93
5) Bromomethane	2.026	94	18946	3.496	ug/L	99
6) Chloroethane	2.124	64	65294	8.398	ug/L	94
7) Trichlorofluoromethane	2.251	101	180489	10.774	ug/L	100
8) Ethyl ether	2.535	74	32920	8.161	ug/L #	54
10) 1,1-Dichloroethene	2.711	96	84257	10.108	ug/L	90
11) Carbon disulfide	2.740	76	279485	10.893	ug/L	100
12) Freon-113	2.740	101	95585	10.428	ug/L #	75
14) Acrolein	3.043	56	9684	8.727	ug/L	96
15) Methylene chloride	3.249	84	109804	11.096	ug/L #	71
17) Acetone	3.317	43	17678	8.261	ug/L	98
18) trans-1,2-Dichloroethene	3.396	96	110004	11.165	ug/L	98
19) Methyl acetate	3.415	43	44263	9.431	ug/L #	79
20) Methyl tert-butyl ether	3.484	73	196176	9.042	ug/L #	83
21) tert-Butyl alcohol	3.601	59	23483	47.839	ug/L	98
22) Diisopropyl ether	3.826	45	351630	10.654	ug/L #	92
23) 1,1-Dichloroethane	3.953	63	209953	11.699	ug/L	97
24) Halothane	4.012	117	89633	11.310	ug/L	98
25) Acrylonitrile	4.031	53	21288	8.547	ug/L	89
26) Ethyl tert-butyl ether	4.168	59	263359	10.827	ug/L #	76
27) Vinyl acetate	4.198	43	198435M6	10.092	ug/L	
28) cis-1,2-Dichloroethene	4.462	96	120991	10.841	ug/L	99
29) 2,2-Dichloropropane	4.550	77	181442	12.399	ug/L	87

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Bromochloromethane	4.657	128	58319	10.827	ug/L	#	84
31) Cyclohexane	4.638	56	214697	12.401	ug/L		77
32) Chloroform	4.726	83	199514	10.634	ug/L	#	96
33) Ethyl acetate	4.843	43	66745	8.834	ug/L	#	94
34) Carbon tetrachloride	4.833	117	183113	11.368	ug/L		98
35) Tetrahydrofuran	4.872	42	22427	9.230	ug/L	#	68
37) 1,1,1-Trichloroethane	4.902	97	196964	11.261	ug/L		97
39) 2-Butanone	5.029	43	29692	9.127	ug/L	#	66
40) 1,1-Dichloropropene	5.029	75	150281	11.602	ug/L		95
41) Benzene	5.264	78	433860	11.374	ug/L		94
42) tert-Amyl methyl ether	5.371	73	207317	10.313	ug/L		99
44) 1,2-Dichloroethane	5.479	62	137217	10.896	ug/L		98
47) Methyl cyclohexane	5.831	83	191267	10.934	ug/L	#	77
48) Trichloroethene	5.851	95	118117	10.404	ug/L		90
50) Dibromomethane	6.300	93	59033	10.021	ug/L		89
51) 1,2-Dichloropropane	6.388	63	105383	11.064	ug/L	#	90
54) Bromodichloromethane	6.467	83	144527	10.360	ug/L		97
57) 1,4-Dioxane	6.682	88	27729	466.359	ug/L	#	80
58) cis-1,3-Dichloropropene	7.151	75	155941	10.627	ug/L	#	82
61) Toluene	7.406	92	268141	10.854	ug/L		97
62) 4-Methyl-2-pentanone	7.846	58	18883	9.234	ug/L	#	64
63) Tetrachloroethene	7.846	166	149646	11.479	ug/L		89
65) trans-1,3-Dichloropropene	7.895	75	132091	10.990	ug/L	#	81
67) Ethyl methacrylate	8.081	69	67331	8.287	ug/L		87
68) 1,1,2-Trichloroethane	8.081	83	64925	10.622	ug/L		97
69) Chlorodibromomethane	8.286	129	106698	10.237	ug/L		98
70) 1,3-Dichloropropane	8.394	76	128481	10.712	ug/L		99
71) 1,2-Dibromoethane	8.560	107	81357	9.886	ug/L		96
72) 2-Hexanone	8.853	43	35477	8.700	ug/L	#	84
73) Chlorobenzene	9.196	112	302845	10.370	ug/L		89
74) Ethylbenzene	9.236	91	530989	10.763	ug/L		94
75) 1,1,1,2-Tetrachloroethane	9.284	131	114519	10.681	ug/L		99
76) p/m Xylene	9.422	106	421169	22.107	ug/L		86
77) o Xylene	9.960	106	392602	21.753	ug/L		86
78) Styrene	10.039	104	632611	21.183	ug/L		90
80) Bromoform	10.068	173	61895	9.219	ug/L		97
82) Isopropylbenzene	10.362	105	562622	10.734	ug/L		96
84) Bromobenzene	10.822	156	138451	10.047	ug/L		99
85) n-Propylbenzene	10.862	91	657632	10.738	ug/L		94
86) 1,4-Dichlorobutane	10.891	55	121822	9.258	ug/L		93
87) 1,1,2,2-Tetrachloroethane	10.979	83	83408	9.163	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88)	4-Ethyltoluene	10.999	105	548821	10.756	ug/L		96
89)	2-Chlorotoluene	11.038	91	375676M6	10.881	ug/L		
90)	1,3,5-Trimethylbenzene	11.097	105	476672	10.585	ug/L		93
91)	1,2,3-Trichloropropane	11.116	75	67425M1	9.540	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.175	53	25427	8.428	ug/L	#	83
93)	4-Chlorotoluene	11.234	91	383070M6	10.735	ug/L		
94)	tert-Butylbenzene	11.449	119	417635	10.591	ug/L		96
97)	1,2,4-Trimethylbenzene	11.528	105	452207	10.485	ug/L		93
98)	sec-Butylbenzene	11.636	105	616159	10.679	ug/L		96
99)	p-Isopropyltoluene	11.802	119	532008	10.695	ug/L		94
100)	1,3-Dichlorobenzene	11.871	146	276066	10.140	ug/L		95
101)	1,4-Dichlorobenzene	11.969	146	278028	9.936	ug/L		95
102)	p-Diethylbenzene	12.184	119	294366	10.216	ug/L		97
103)	n-Butylbenzene	12.243	91	435255	10.643	ug/L		96
104)	1,2-Dichlorobenzene	12.390	146	249391	10.141	ug/L		95
105)	1,2,4,5-Tetramethylben...	12.987	119	406232	9.327	ug/L		94
106)	1,2-Dibromo-3-chloropr...	13.183	155	13462	8.541	ug/L		97
107)	1,3,5-Trichlorobenzene	13.213	180	199979	10.010	ug/L		95
108)	Hexachlorobutadiene	13.781	225	82577	11.331	ug/L		98
109)	1,2,4-Trichlorobenzene	13.810	180	161705	9.854	ug/L		97
110)	Naphthalene	14.104	128	271902	8.296	ug/L		100
111)	1,2,3-Trichlorobenzene	14.271	180	134943	9.671	ug/L		96

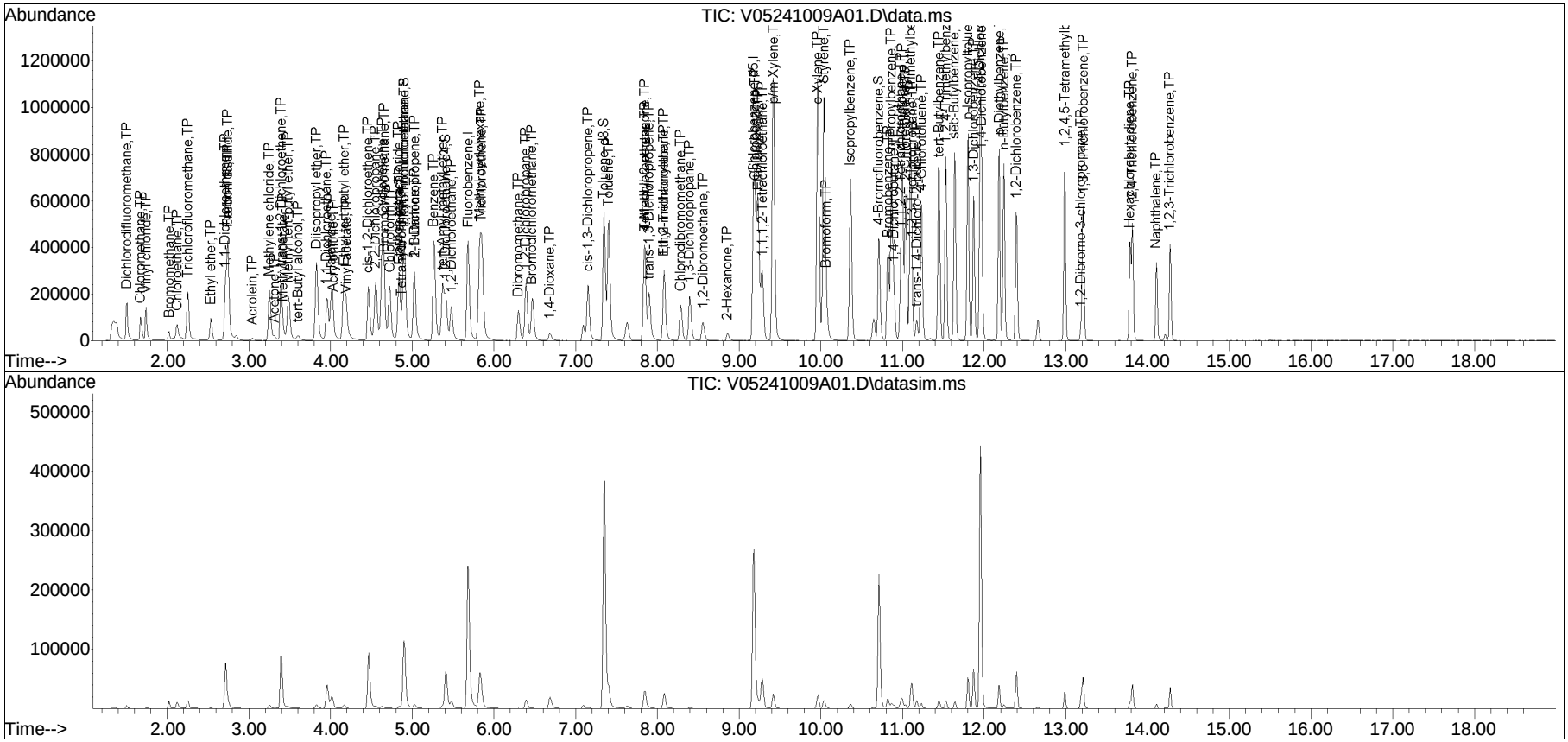
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

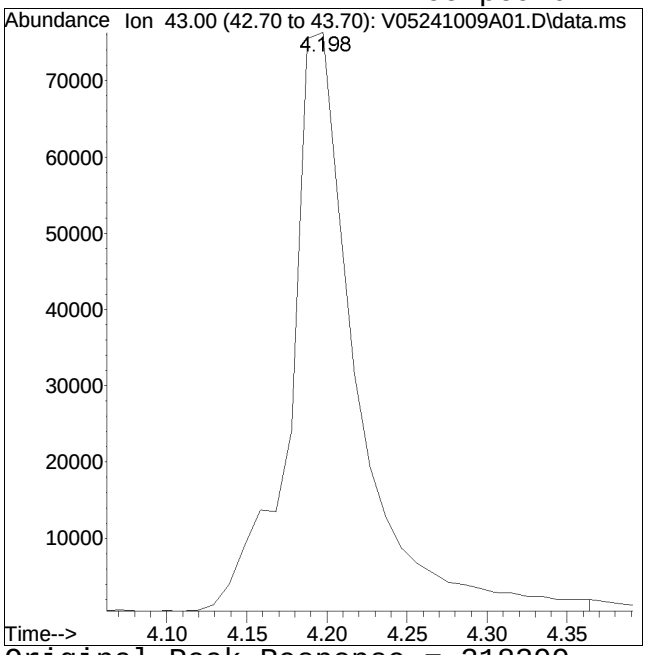


Manual Integration Report

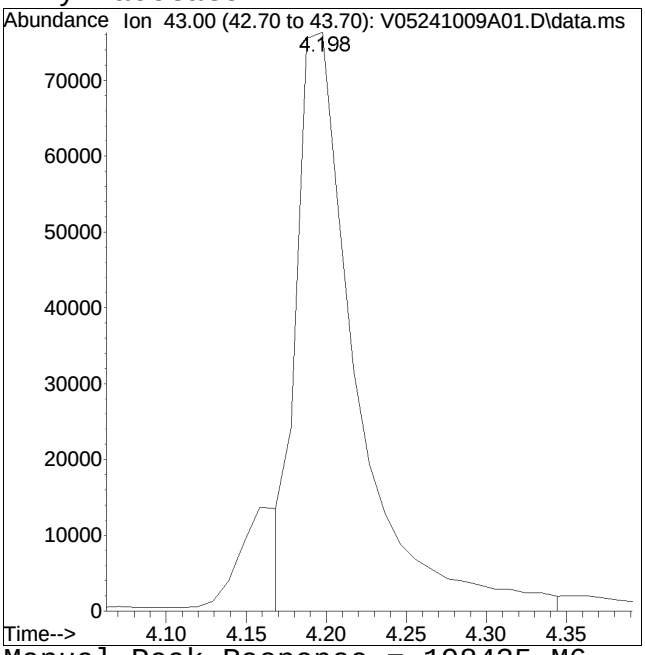
Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Date Inj'd : 10/9/2024 6:38 am
Sample : WG1982134-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/9/2024 7:07 am

Compound #27: Vinyl acetate



Original Peak Response = 218399



Manual Peak Response = 198435 M6

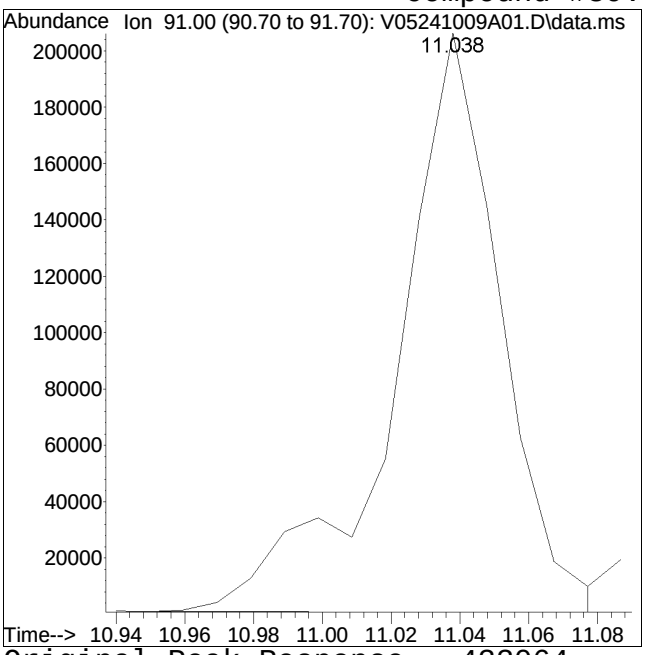
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

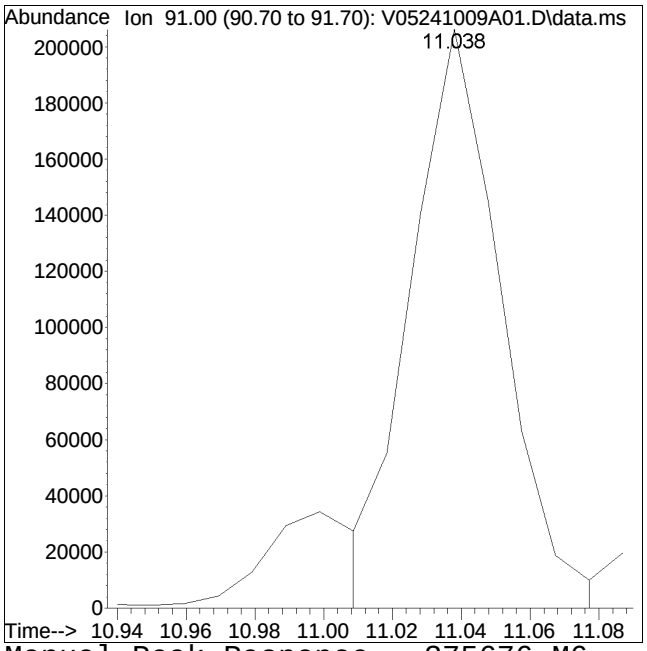
Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Date Inj'd : 10/9/2024 6:38 am
Sample : WG1982134-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/9/2024 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 433064



Manual Peak Response = 375676 M6

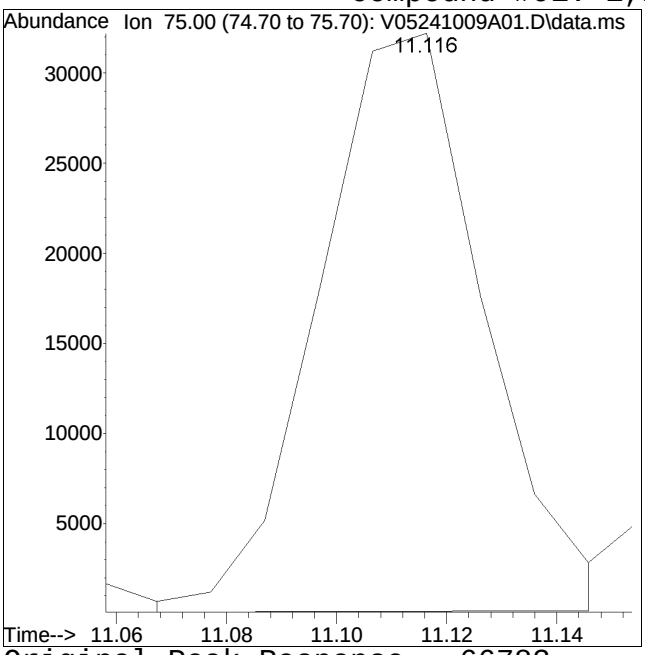
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

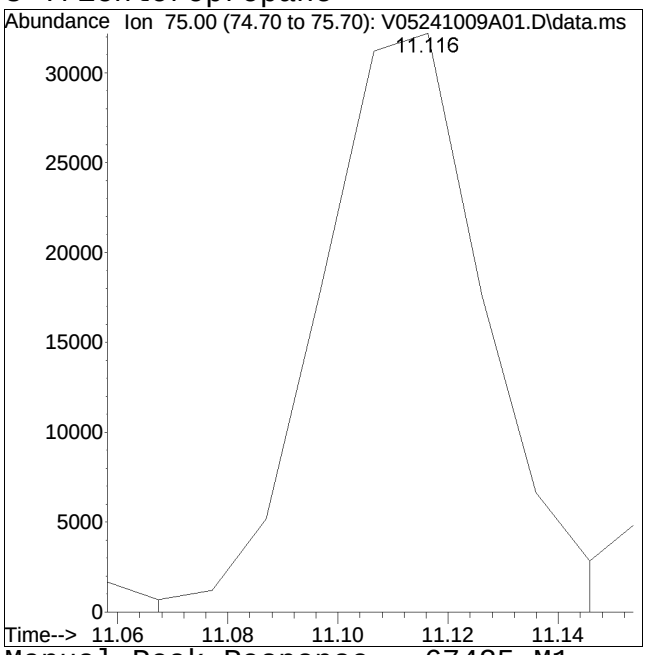
Manual Integration Report

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Date Inj'd : 10/9/2024 6:38 am
Sample : WG1982134-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/9/2024 7:07 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 66783 Manual Peak Response = 67425 M1

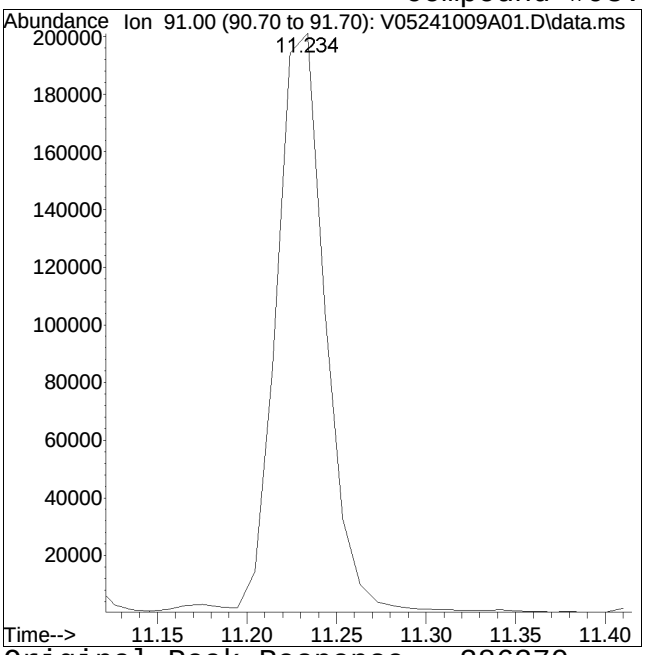
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

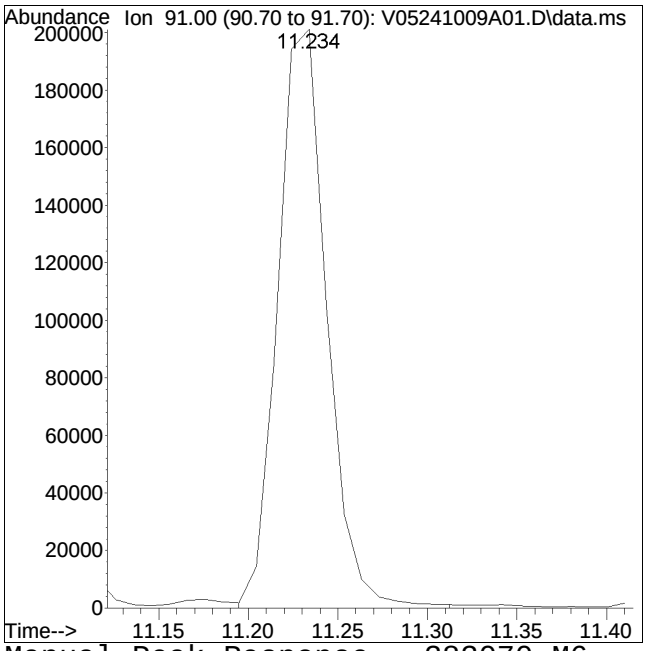
Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Date Inj'd : 10/9/2024 6:38 am
Sample : WG1982134-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/9/2024 7:07 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 386370



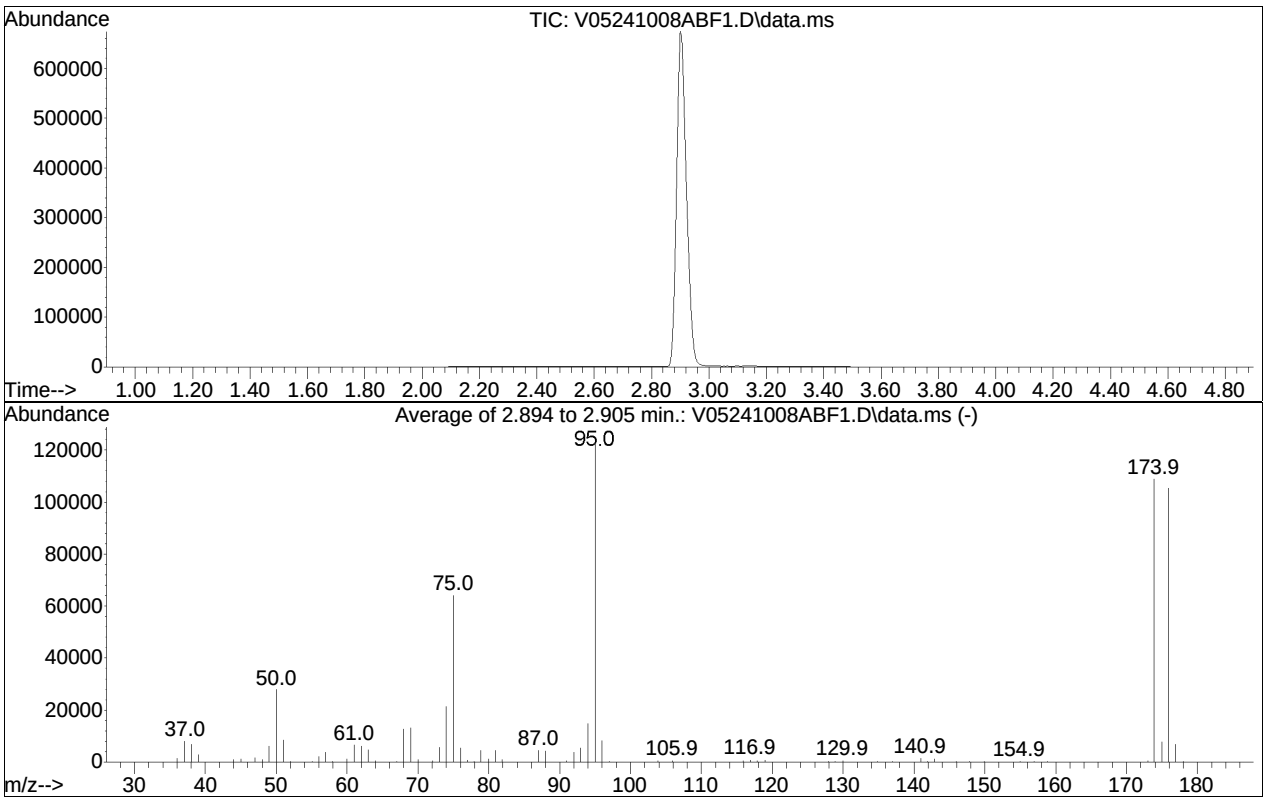
Manual Peak Response = 383070 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008ABF1.D
Acq On : 8 Oct 2024 6:28 am
Operator : VOA105:PID
Sample : WG1981780-1
Misc : WG1981780
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024



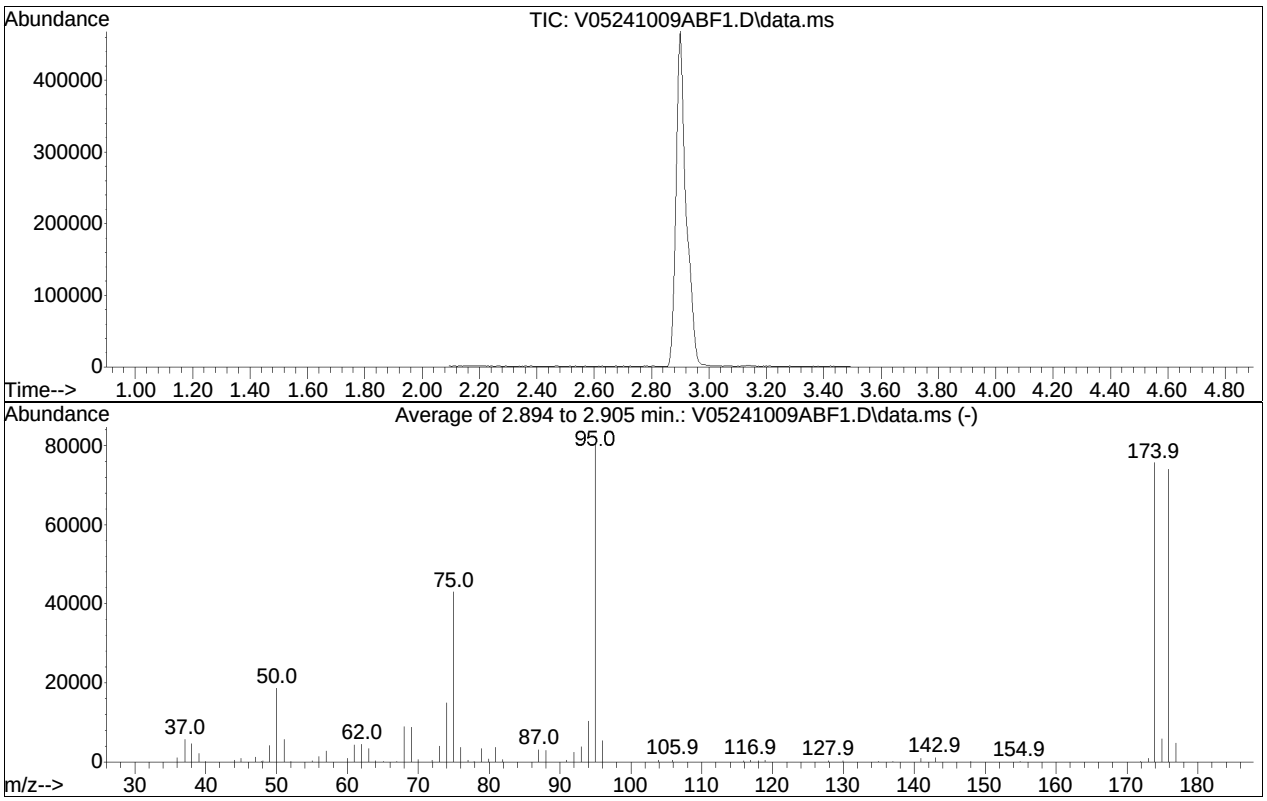
AutoFind: Scans 148, 149, 150; Background Corrected with Scan 139

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	27859	PASS
75	95	30	60	52.1	64045	PASS
95	95	100	100	100.0	122859	PASS
96	95	5	9	6.7	8273	PASS
173	174	0.00	2	0.4	381	PASS
174	95	50	100	88.6	108832	PASS
175	174	5	9	7.2	7873	PASS
176	174	95	101	96.9	105413	PASS
177	176	5	9	6.5	6843	PASS

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009ABF1.D
Acq On : 9 Oct 2024 6:24 am
Operator : VOA105:PID
Sample : WG1982134-1
Misc : WG1982134,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024



Spectrum Information: Average of 2.894 to 2.905 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	18653	PASS
75	95	30	60	53.3	43019	PASS
95	95	100	100	100.0	80723	PASS
96	95	5	9	6.7	5444	PASS
173	174	0.00	2	1.2	915	PASS
174	95	50	100	93.7	75640	PASS
175	174	5	9	7.7	5828	PASS
176	174	95	101	97.9	74053	PASS
177	176	5	9	6.5	4850	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A05.D
Acq On : 8 Oct 2024 8:22 am
Operator : VOA105:PID
Sample : WG1981780-5,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 08:45:52 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	518079	10.000 ug/L	0.00
Standard Area 1 = 594385			Recovery = 87.16%		
59) Chlorobenzene-d5	9.177	117	403018	10.000 ug/L	0.00
Standard Area 1 = 454960			Recovery = 88.58%		
79) 1,4-Dichlorobenzene-d4	11.949	152	235899	10.000 ug/L	0.00
Standard Area 1 = 272073			Recovery = 86.70%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	149023	10.293 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.93%		
43) 1,2-Dichloroethane-d4	5.410	65	161833	10.811 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.11%		
60) Toluene-d8	7.347	98	497186	10.215 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.15%		
83) 4-Bromofluorobenzene	10.715	95	184072	11.246 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.46%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.361	85	317	N.D.	
3) Chloromethane	1.674	50	413	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	339	N.D.	
6) Chloroethane	2.124	64	488	Below Cal #	41
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.750	76	504	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.259	84	841	0.074 ug/L #	55
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.435	43	205	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	
37) 1,1,1-Trichloroethane	0.000		0	N.D.	

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A05.D
Acq On : 8 Oct 2024 8:22 am
Operator : VOA105:PID
Sample : WG1981780-5,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 08:45:52 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.342	78	114	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	5.860	95	107	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.177	91	661	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
85) n-Propylbenzene	10.715	91	575	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		
97) 1,2,4-Trimethylbenzene	11.567	105	102	N.D.		
98) sec-Butylbenzene	11.645	105	104	N.D.		
99) p-Isopropyltoluene	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	11.959	146	194	N.D.		
101) 1,4-Dichlorobenzene	11.959	146	194	N.D.		
103) n-Butylbenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	13.849	180	118	N.D.		
110) Naphthalene	14.133	128	581	0.415	ug/L	100

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

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A05.D
Acq On : 8 Oct 2024 8:22 am
Operator : VOA105:PID
Sample : WG1981780-5,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 08:45:52 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

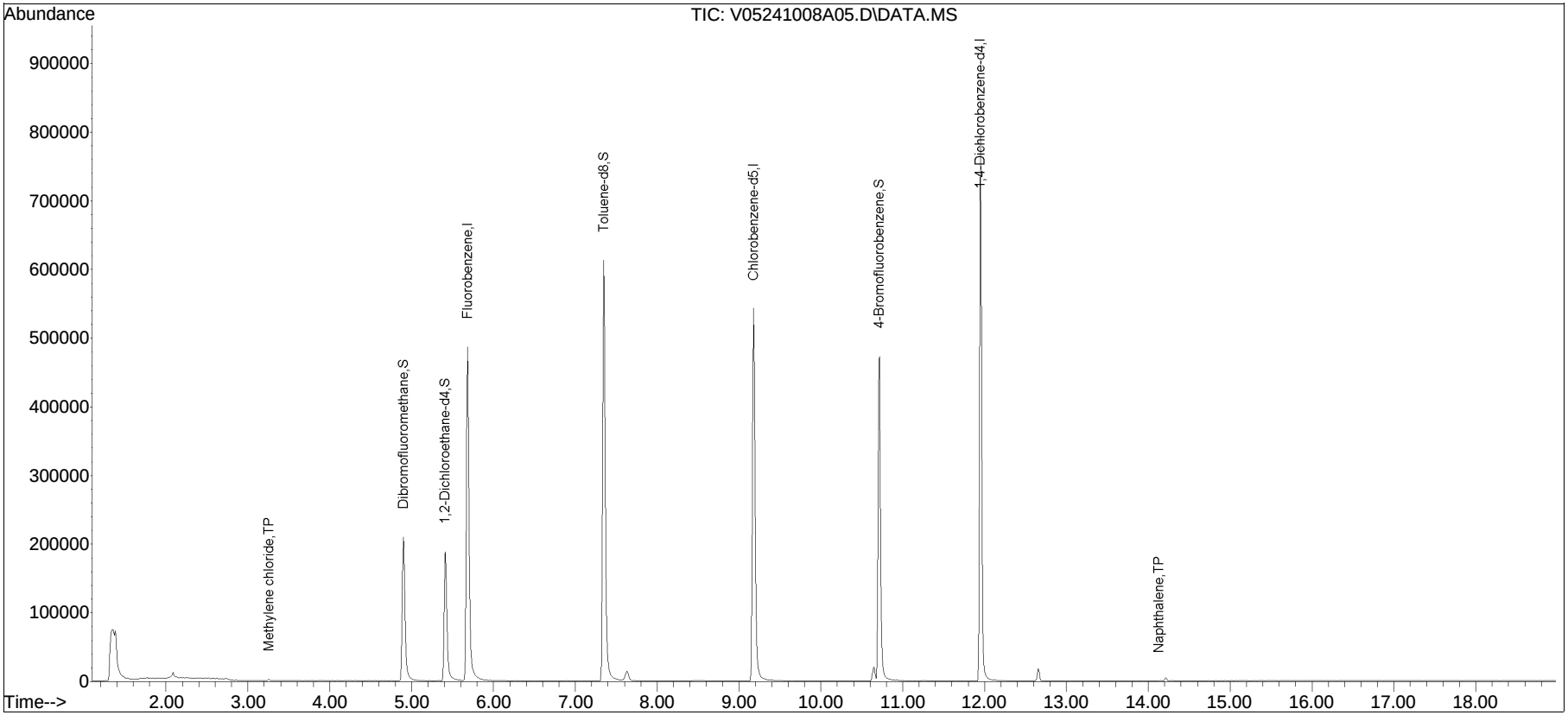
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

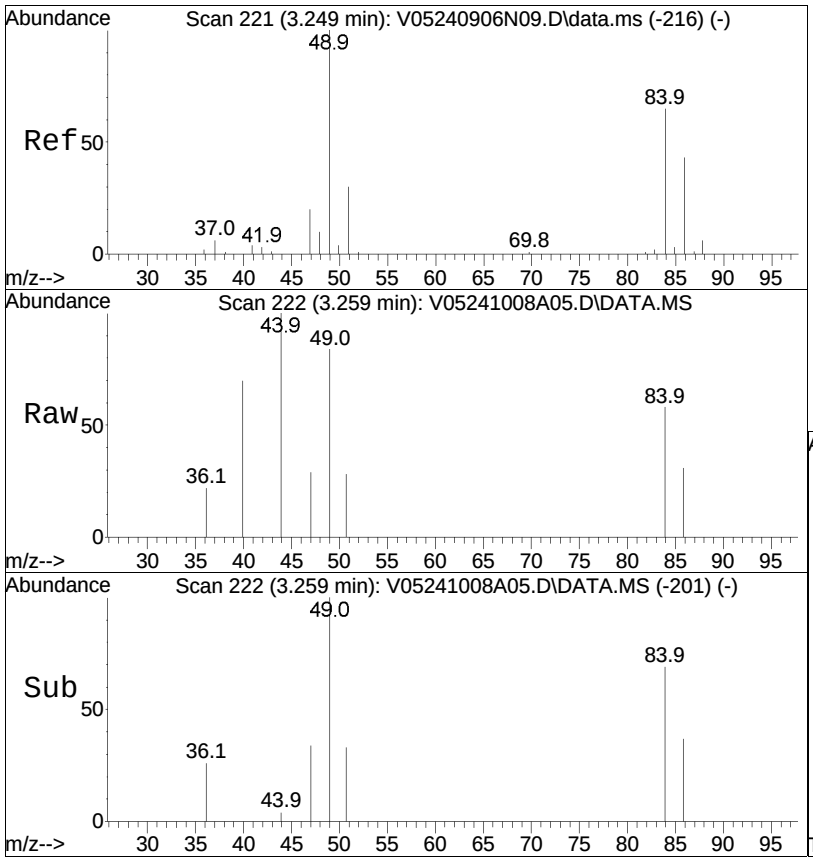
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A05.D
Acq On : 8 Oct 2024 8:22 am
Operator : VOA105:PID
Sample : WG1981780-5,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 08:45:52 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE01.D•

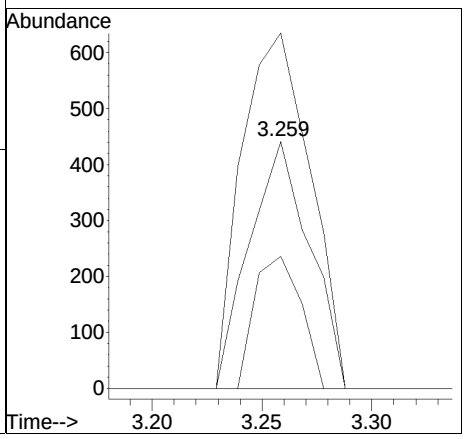


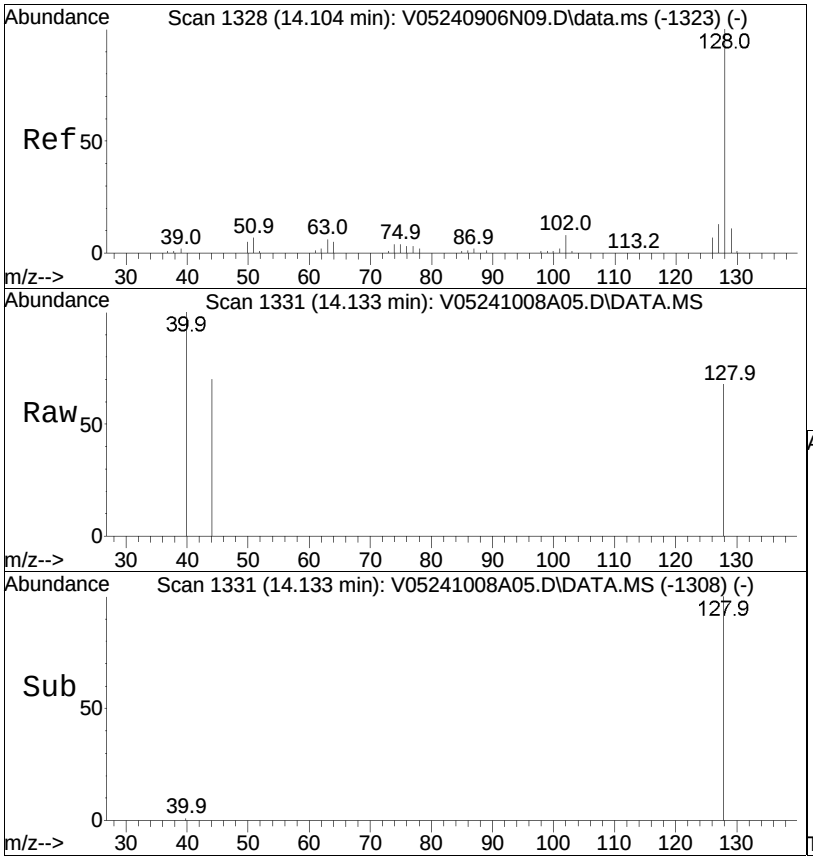


#15
Methylene chloride
Concen: 0.07 ug/L
RT: 3.259 min Scan# 222
Delta R.T. 0.010 min
Lab File: V05241008A05.D
Acq: 8 Oct 2024 8:22 am

Tgt Ion: 84 Resp: 841

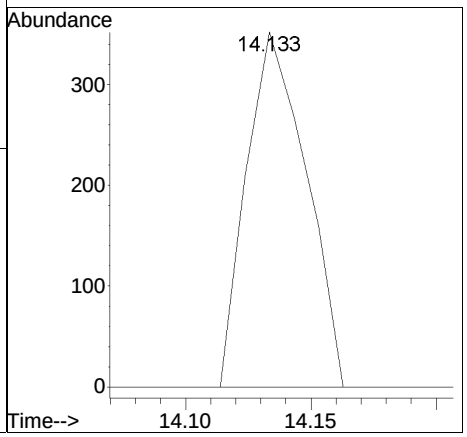
Ion	Ratio	Lower	Upper
84	100		
86	41.5	42.1	87.5#
49	163.5	69.3	143.9#





#110
Naphthalene
Concen: 0.41 ug/L
RT: 14.133 min Scan# 1331
Delta R.T. 0.029 min
Lab File: V05241008A05.D
Acq: 8 Oct 2024 8:22 am

Tgt Ion:128 Resp: 581



Manual Integration Report

Data Path	: K:\VOA105\2024\241008A\	QMethod	: V105_240906N_8260.m
Data File	: V05241008A05.D	Operator	: VOA105:PID
Date Inj'd	: 10/8/2024 8:22 am	Instrument	: VOA105
Sample	: WG1981780-5,31,10,10	Quant Date	: 10/8/2024 8:45 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A05.D
Acq On : 9 Oct 2024 8:19 am
Operator : VOA105:PID
Sample : WG1982134-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:47:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	415091	10.000 ug/L	0.00
Standard Area 1 = 452753			Recovery = 91.68%		
59) Chlorobenzene-d5	9.177	117	327740	10.000 ug/L	0.00
Standard Area 1 = 351916			Recovery = 93.13%		
79) 1,4-Dichlorobenzene-d4	11.949	152	195066	10.000 ug/L	0.00
Standard Area 1 = 226621			Recovery = 86.08%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	124208	10.707 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.07%		
43) 1,2-Dichloroethane-d4	5.410	65	136730	11.401 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.01%		
60) Toluene-d8	7.347	98	395478	9.991 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.91%		
83) 4-Bromofluorobenzene	10.715	95	146044	10.790 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.90%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.674	50	150	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	491	0.099 ug/L	83
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.593	96	98	N.D.	
11) Carbon disulfide	2.740	76	626	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.268	84	344	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.435	43	89	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	
37) 1,1,1-Trichloroethane	0.000		0	N.D.	

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A05.D
Acq On : 9 Oct 2024 8:19 am
Operator : VOA105:PID
Sample : WG1982134-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:47:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2-Butanone	0.000		0		N.D.	
41) Benzene	5.352	78	97		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.177	91	548		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
85) n-Propylbenzene	10.715	91	682		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	
97) 1,2,4-Trimethylbenzene	11.655	105	89		N.D.	
98) sec-Butylbenzene	11.655	105	89		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	11.880	146	93		N.D.	
101) 1,4-Dichlorobenzene	11.969	146	192		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	0.000		0		N.D.	d

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

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A05.D
Acq On : 9 Oct 2024 8:19 am
Operator : VOA105:PID
Sample : WG1982134-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:47:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

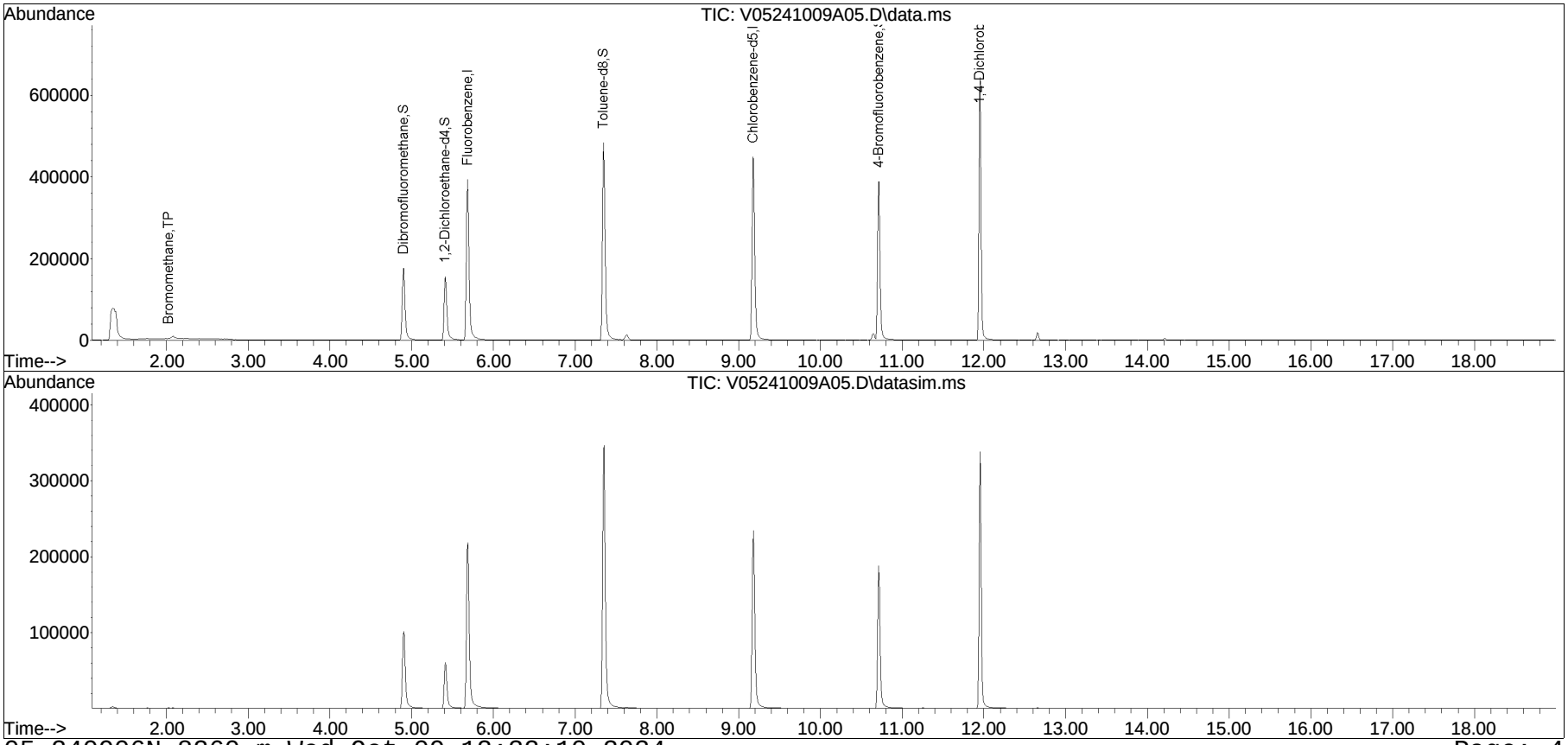
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

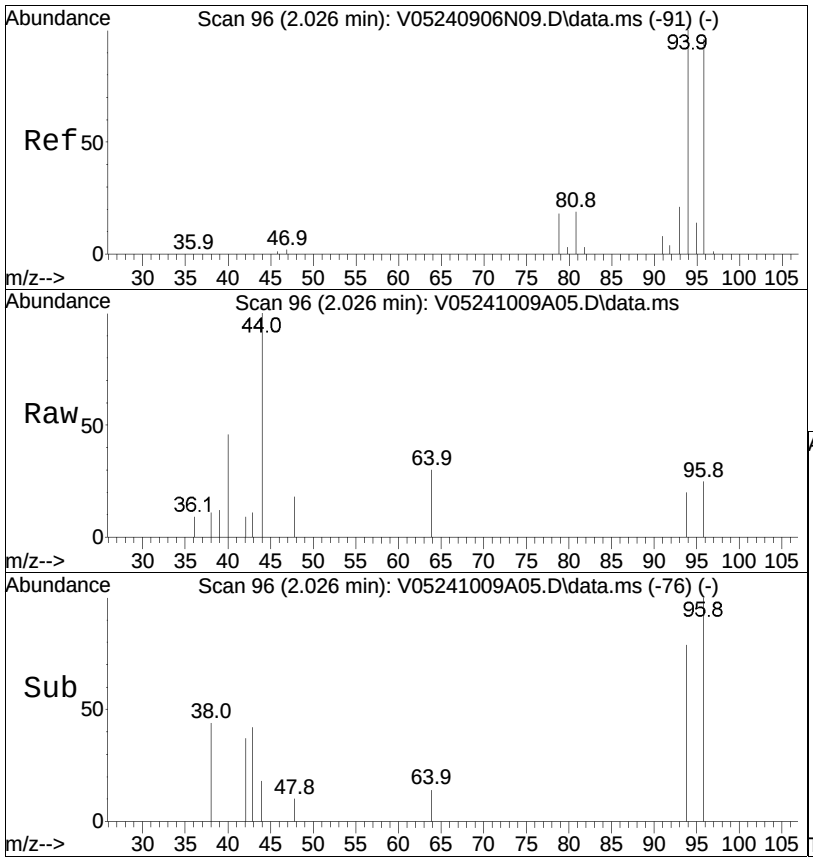
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A05.D
Acq On : 9 Oct 2024 8:19 am
Operator : VOA105:PID
Sample : WG1982134-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:47:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

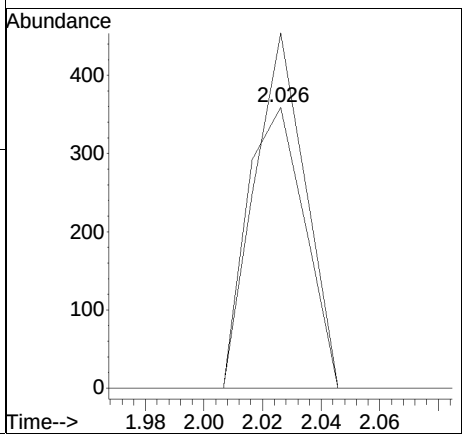




#5
Bromomethane
Concen: 0.10 ug/L
RT: 2.026 min Scan# 96
Delta R.T. -0.000 min
Lab File: V05241009A05.D
Acq: 9 Oct 2024 8:19 am

Tgt Ion: 94 Resp: 491

Ion	Ratio	Lower	Upper
94	100		
96	111.6	75.4	115.4



Manual Integration Report

Data Path	: K:\VOA105\2024\241009A\	QMethod	: V105_240906N_8260.m
Data File	: V05241009A05.D	Operator	: VOA105:PID
Date Inj'd	: 10/9/2024 8:19 am	Instrument	: VOA105
Sample	: WG1982134-5,31,10,10	Quant Date	: 10/9/2024 8:47 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-3,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	594385	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.177	117	454960	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.949	152	272073	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	161205	9.705	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.05%			
43) 1,2-Dichloroethane-d4	5.410	65	180113	10.488	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.88%			
60) Toluene-d8	7.347	98	577274	10.506	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.06%			
83) 4-Bromofluorobenzene	10.705	95	212344	11.248	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	185646	10.670	ug/L	96
3) Chloromethane	1.674	50	138707	8.258	ug/L	98
4) Vinyl chloride	1.743	62	156266	10.693	ug/L	85
5) Bromomethane	2.016	94	24189	3.400	ug/L	99
6) Chloroethane	2.124	64	78612	7.657	ug/L	96
7) Trichlorofluoromethane	2.251	101	221466	10.070	ug/L	99
10) 1,1-Dichloroethene	2.711	96	109479	10.005	ug/L	93
11) Carbon disulfide	2.740	76	353790	10.503	ug/L	100
12) Freon-113	2.740	101	119544	9.935	ug/L #	74
15) Methylene chloride	3.249	84	138761	10.681	ug/L #	73
17) Acetone	3.317	43	22807	8.118	ug/L	96
18) trans-1,2-Dichloroethene	3.396	96	142730	11.034	ug/L	97
19) Methyl acetate	3.415	43	59743	9.696	ug/L #	82
20) Methyl tert-butyl ether	3.484	73	272355	9.562	ug/L #	87
23) 1,1-Dichloroethane	3.953	63	265450	11.267	ug/L	97
28) cis-1,2-Dichloroethene	4.462	96	155452	10.610	ug/L	98
31) Cyclohexane	4.638	56	278281	12.243	ug/L	77
32) Chloroform	4.726	83	246308	10.000	ug/L #	96
34) Carbon tetrachloride	4.843	117	220787	10.441	ug/L	98
37) 1,1,1-Trichloroethane	4.902	97	244120	10.631	ug/L	98
39) 2-Butanone	5.019	43	36333	8.507	ug/L #	70
41) Benzene	5.264	78	556693	11.117	ug/L	94
44) 1,2-Dichloroethane	5.479	62	172881	10.457	ug/L	99
47) Methyl cyclohexane	5.831	83	249995	10.886	ug/L #	79

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-3,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	Trichloroethene	5.851	95	146599	9.836	ug/L		90
51)	1,2-Dichloropropane	6.388	63	138322	11.061	ug/L	#	89
54)	Bromodichloromethane	6.477	83	180192	9.839	ug/L		98
58)	cis-1,3-Dichloropropene	7.151	75	204937	10.638	ug/L	#	85
61)	Toluene	7.406	92	342264	10.716	ug/L		98
62)	4-Methyl-2-pentanone	7.846	58	26690	10.096	ug/L	#	70
63)	Tetrachloroethene	7.846	166	181885	10.792	ug/L		90
65)	trans-1,3-Dichloropropene	7.905	75	171138	11.014	ug/L		84
68)	1,1,2-Trichloroethane	8.081	83	81997	10.376	ug/L		99
69)	Chlorodibromomethane	8.286	129	131121	9.731	ug/L		99
71)	1,2-Dibromoethane	8.560	107	109288	10.272	ug/L		98
72)	2-Hexanone	8.863	43	50498	9.579	ug/L		90
73)	Chlorobenzene	9.196	112	386833	10.245	ug/L		90
74)	Ethylbenzene	9.236	91	686096	10.757	ug/L		94
76)	p/m Xylene	9.422	106	543206	22.055	ug/L		84
77)	o Xylene	9.960	106	508694	21.802	ug/L		86
78)	Styrene	10.039	104	805514	20.864	ug/L		90
80)	Bromoform	10.068	173	75345	9.347	ug/L		98
82)	Isopropylbenzene	10.362	105	721714	11.469	ug/L		95
85)	n-Propylbenzene	10.862	91	841138	11.440	ug/L		94
87)	1,1,2,2-Tetrachloroethane	10.979	83	108351	9.915	ug/L		99
90)	1,3,5-Trimethylbenzene	11.097	105	601161	11.120	ug/L		94
94)	tert-Butylbenzene	11.449	119	530493	11.205	ug/L		97
97)	1,2,4-Trimethylbenzene	11.528	105	570194	11.012	ug/L		93
98)	sec-Butylbenzene	11.636	105	771469	11.137	ug/L		96
99)	p-Isopropyltoluene	11.802	119	667971	11.185	ug/L		94
100)	1,3-Dichlorobenzene	11.871	146	341606	10.452	ug/L		96
101)	1,4-Dichlorobenzene	11.969	146	339677	10.111	ug/L		97
103)	n-Butylbenzene	12.243	91	539252	10.983	ug/L		97
104)	1,2-Dichlorobenzene	12.390	146	303174	10.269	ug/L		96
106)	1,2-Dibromo-3-chloropr...	13.183	155	16881	8.904	ug/L		99
109)	1,2,4-Trichlorobenzene	13.810	180	201418	10.223	ug/L		98
110)	Naphthalene	14.104	128	375396	9.481	ug/L		100

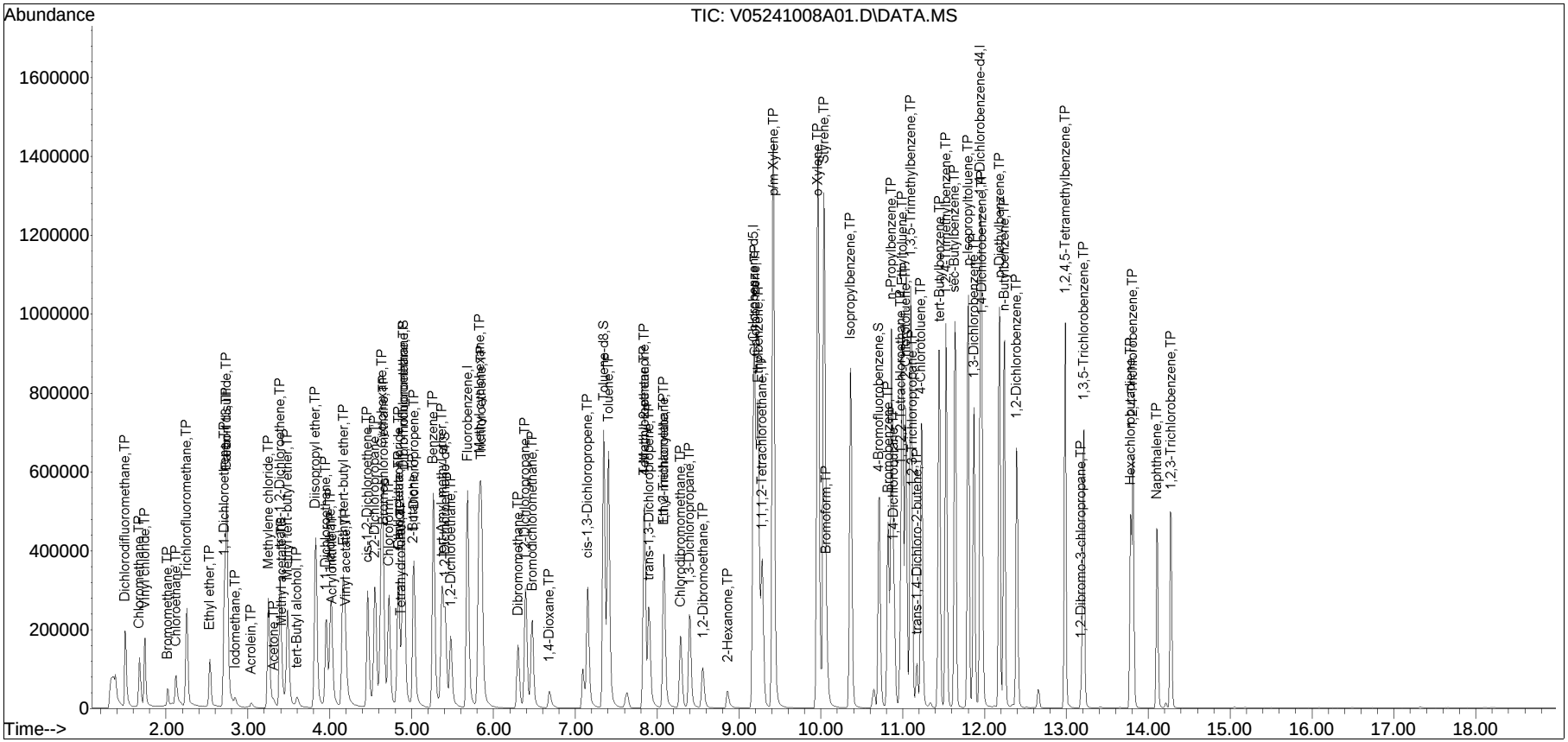
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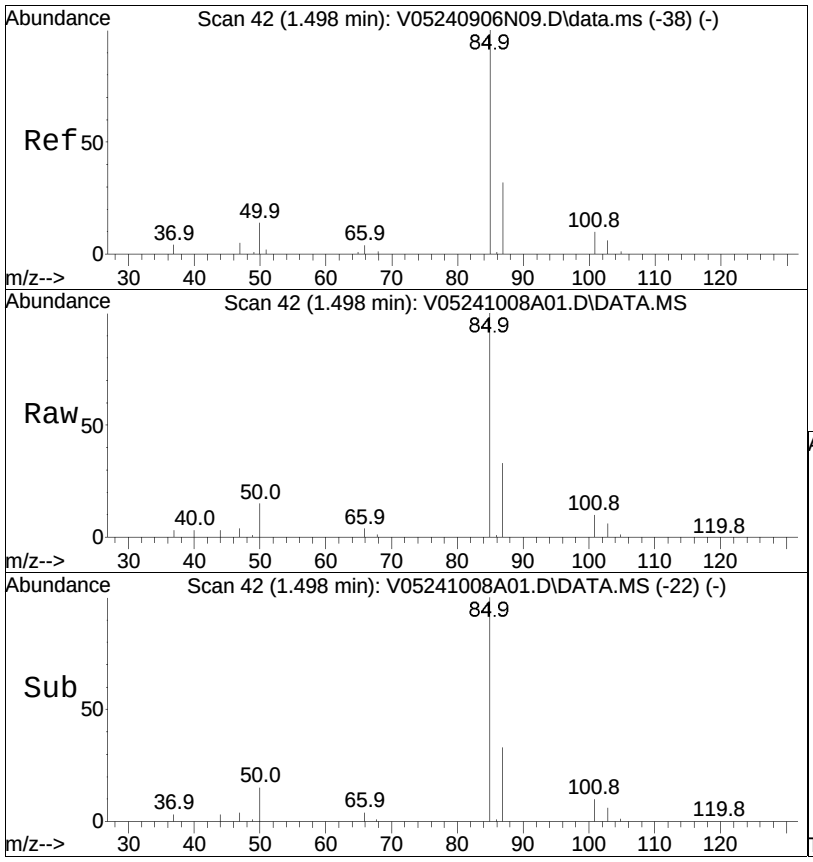
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A01.D
Acq On : 8 Oct 2024 6:40 am
Operator : VOA105:PID
Sample : WG1981780-3,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 07:27:50 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

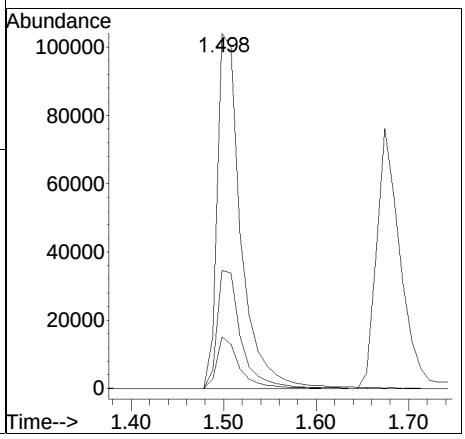


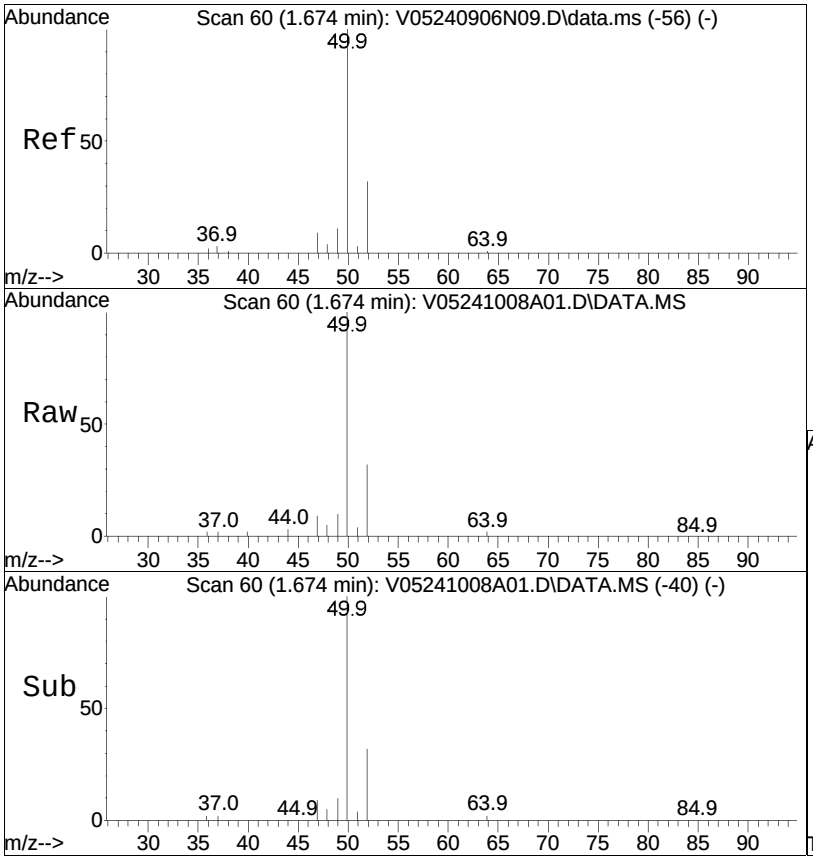


#2
Dichlorodifluoromethane
Concen: 10.67 ug/L
RT: 1.498 min Scan# 42
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 85 Resp: 185646

Ion	Ratio	Lower	Upper
85	100		
87	33.3	20.9	43.5
50	13.7	6.8	14.0

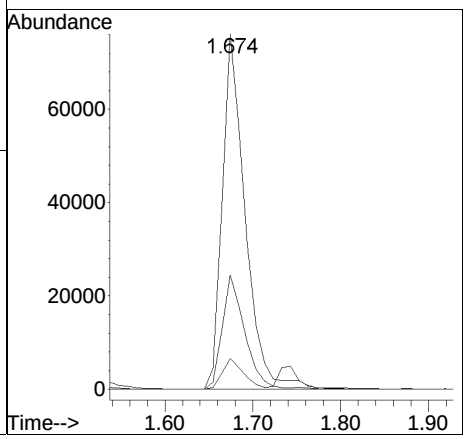


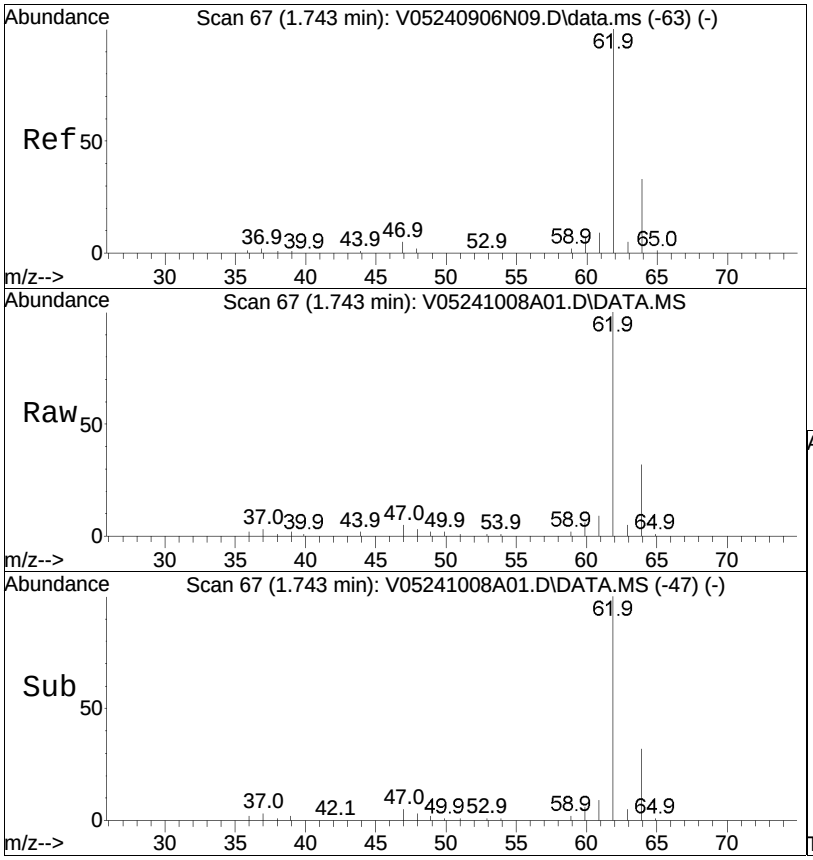


#3
Chloromethane
Concen: 8.26 ug/L
RT: 1.674 min Scan# 60
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 50 Resp: 138707

Ion	Ratio	Lower	Upper
50	100		
52	31.7	12.6	52.6
47	8.1	0.0	30.1

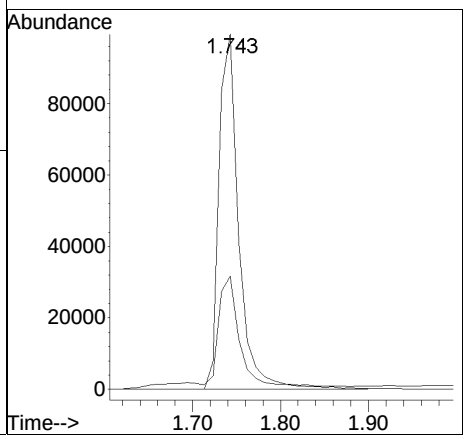


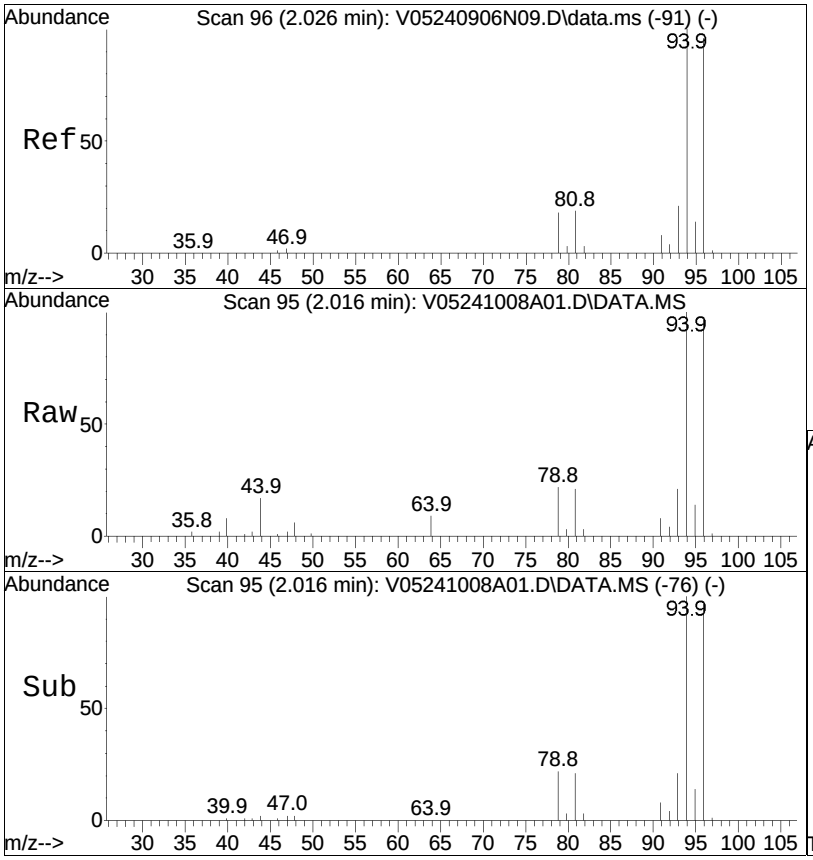


#4
Vinyl chloride
Concen: 10.69 ug/L
RT: 1.743 min Scan# 67
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 62 Resp: 156266

Ion	Ratio	Lower	Upper
62	100		
64	41.9	13.5	53.5

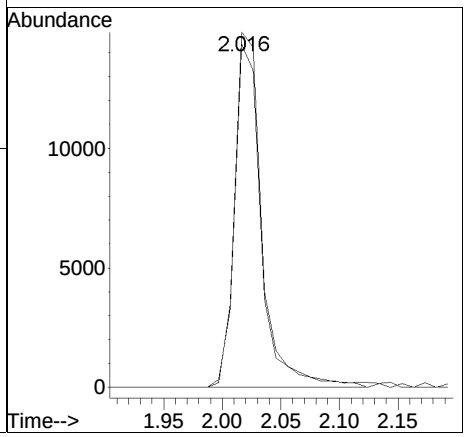


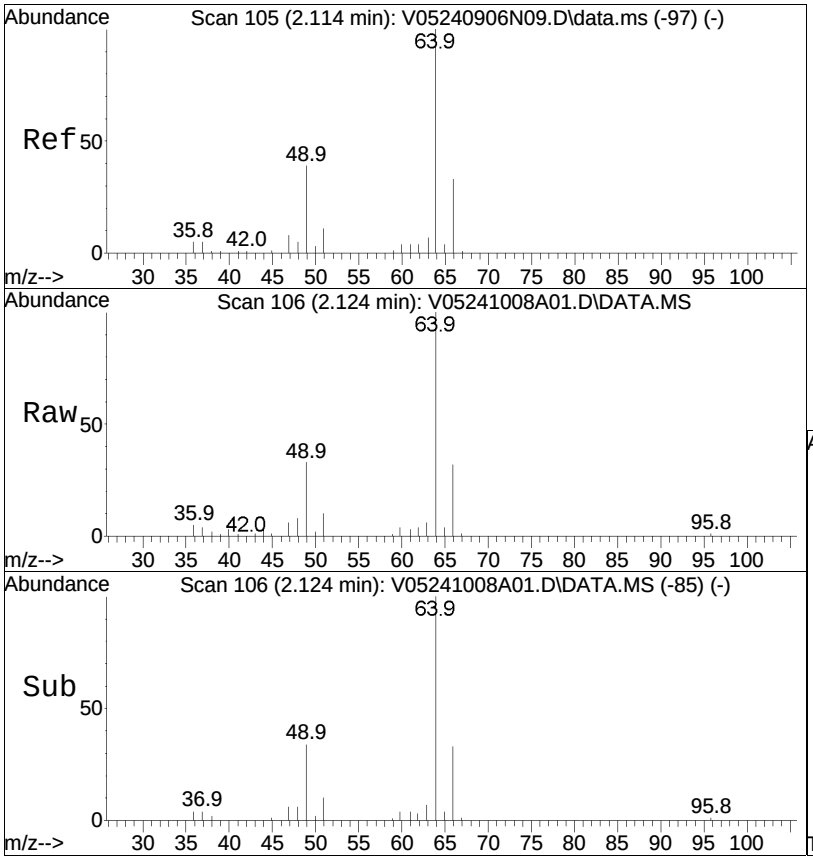


#5
Bromomethane
Concen: 3.40 ug/L
RT: 2.016 min Scan# 95
Delta R.T. -0.010 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 94 Resp: 24189

Ion	Ratio	Lower	Upper
94	100		
96	95.9	75.4	115.4

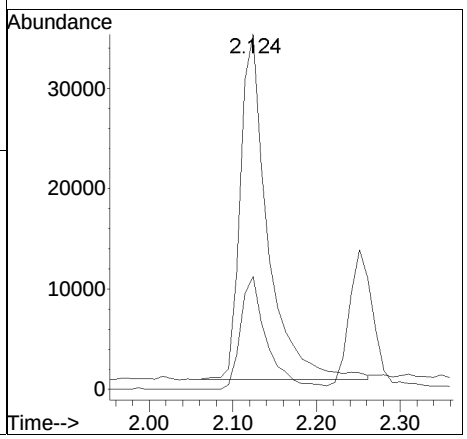


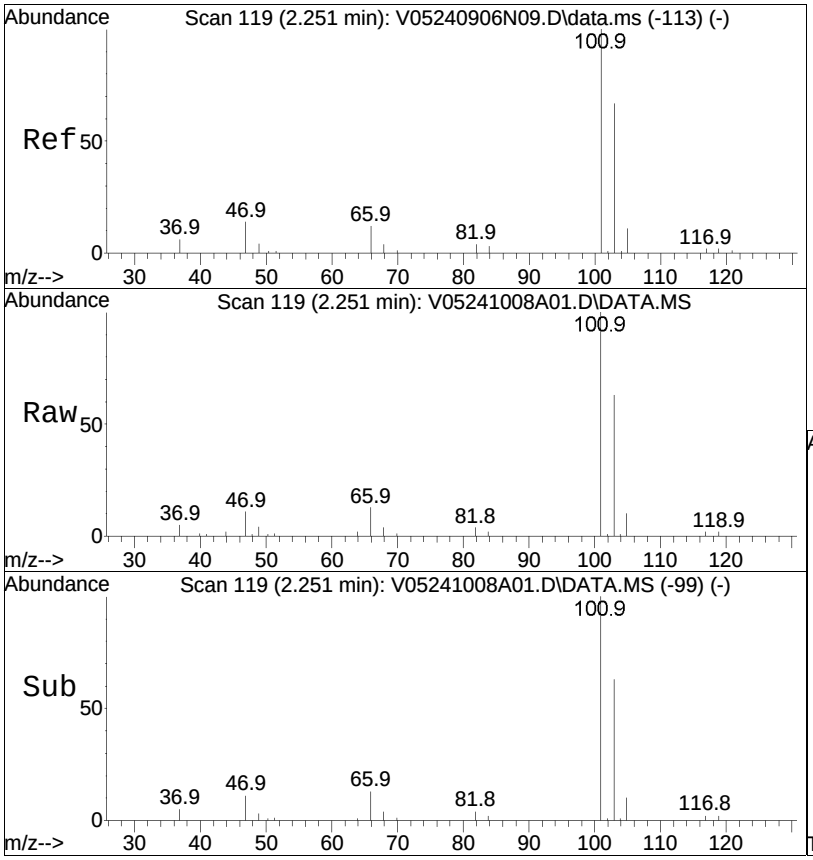


#6
Chloroethane
Concen: 7.66 ug/L
RT: 2.124 min Scan# 106
Delta R.T. 0.010 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 64 Resp: 78612

Ion	Ratio	Lower	Upper
64	100		
66	31.6	13.8	53.8

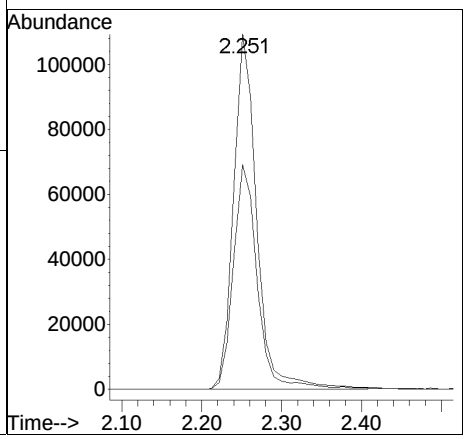


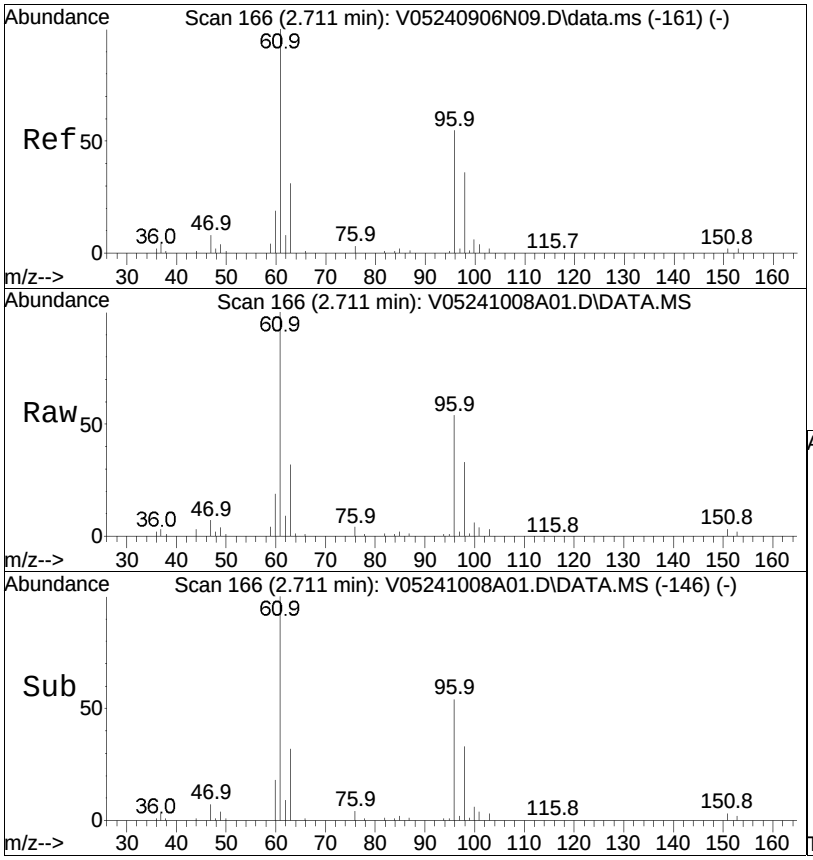


#7
Trichlorofluoromethane
Concen: 10.07 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:101 Resp: 221466

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.8	77.6

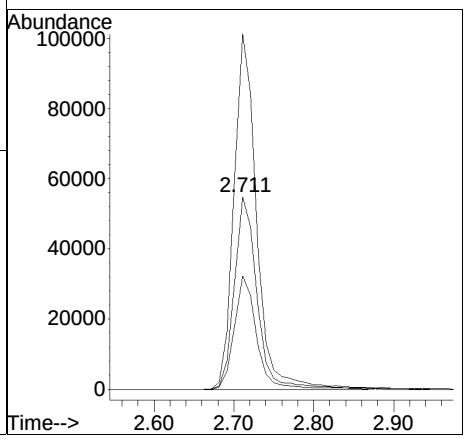


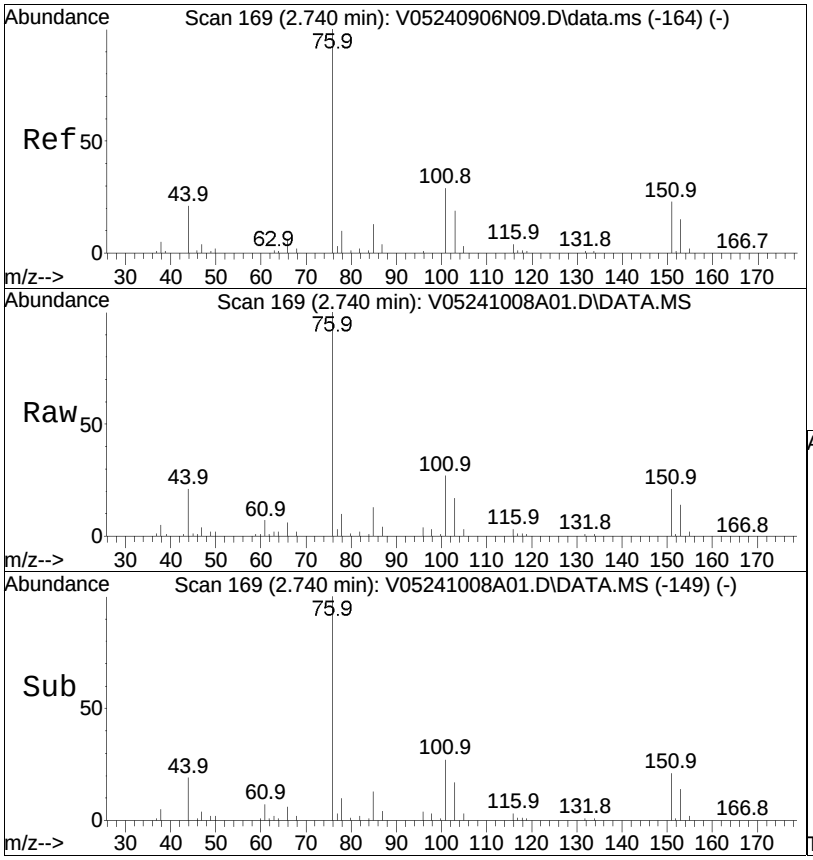


#10
1,1-Dichloroethene
Concen: 10.00 ug/L
RT: 2.711 min Scan# 166
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 96 Resp: 109479

Ion	Ratio	Lower	Upper
96	100		
61	183.2	136.7	205.1
63	58.0	45.0	67.6

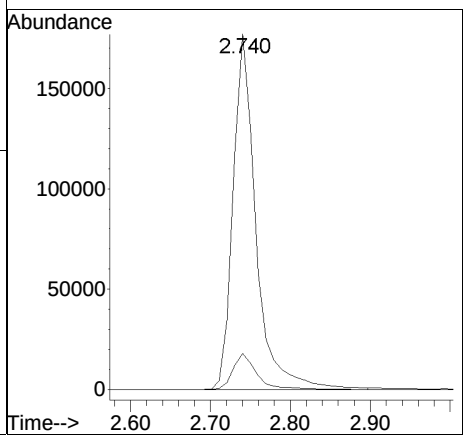


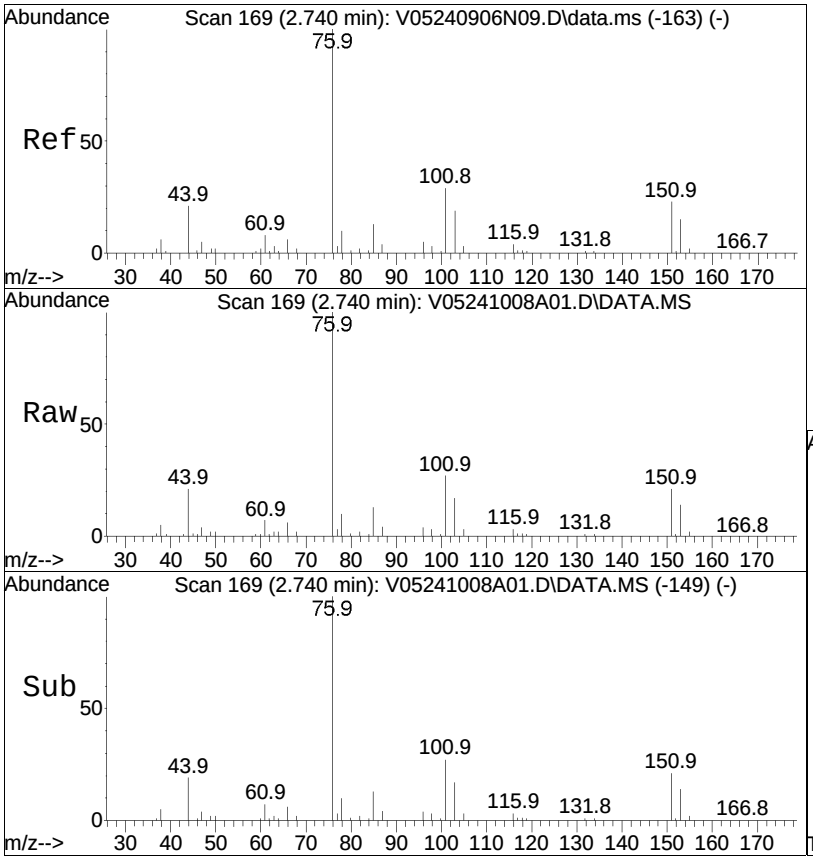


#11
Carbon disulfide
Concen: 10.50 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 76 Resp: 353790

Ion	Ratio	Lower	Upper
76	100		
78	10.4	6.7	13.9

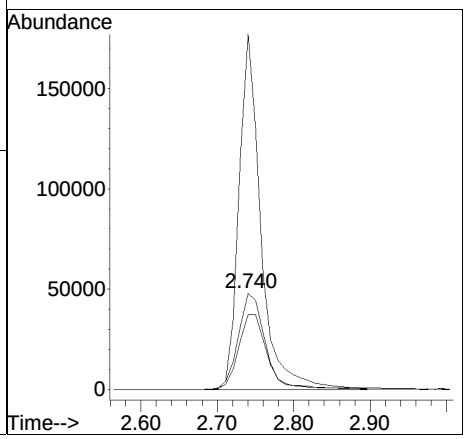


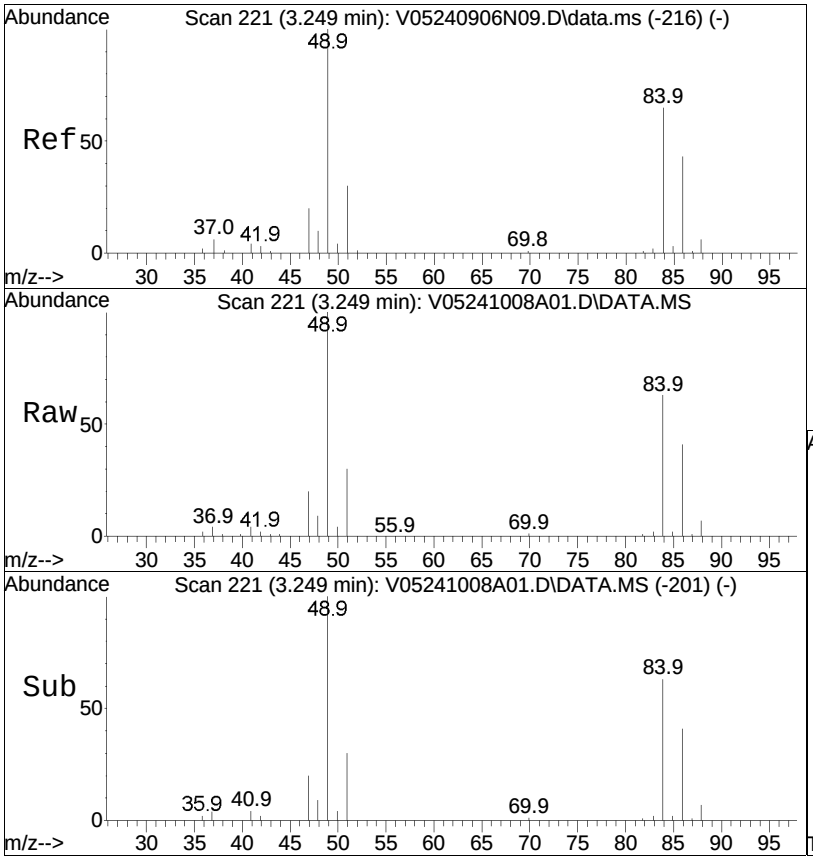


#12
Freon-113
Concen: 9.93 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:101 Resp: 119544

Ion	Ratio	Lower	Upper
101	100		
151	81.8	65.0	97.6
76	295.9	190.0	285.0#

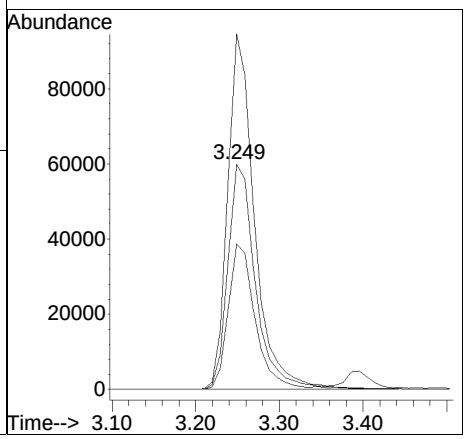


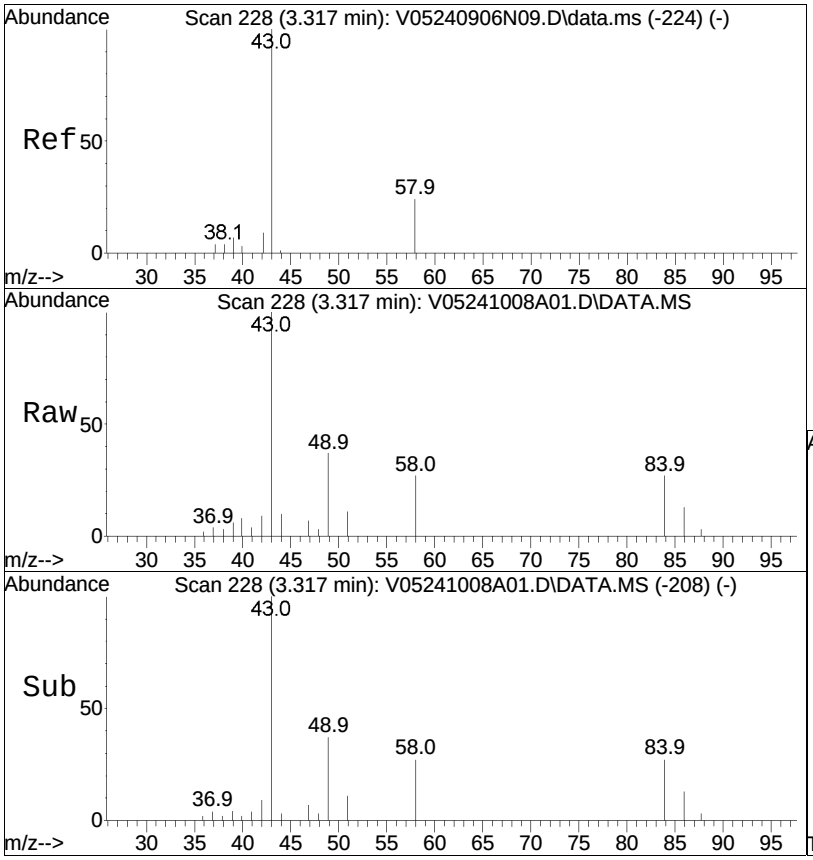


#15
Methylene chloride
Concen: 10.68 ug/L
RT: 3.249 min Scan# 221
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 84 Resp: 138761

Ion	Ratio	Lower	Upper
84	100		
86	63.7	42.1	87.5
49	151.4	69.3	143.9#

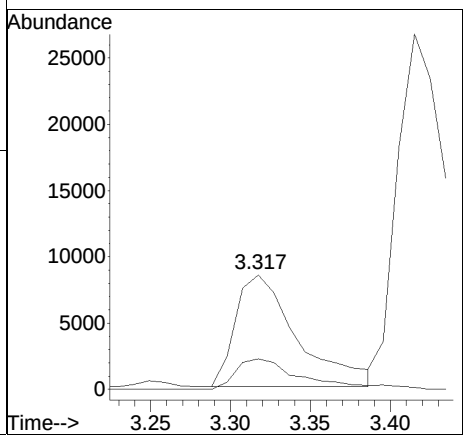


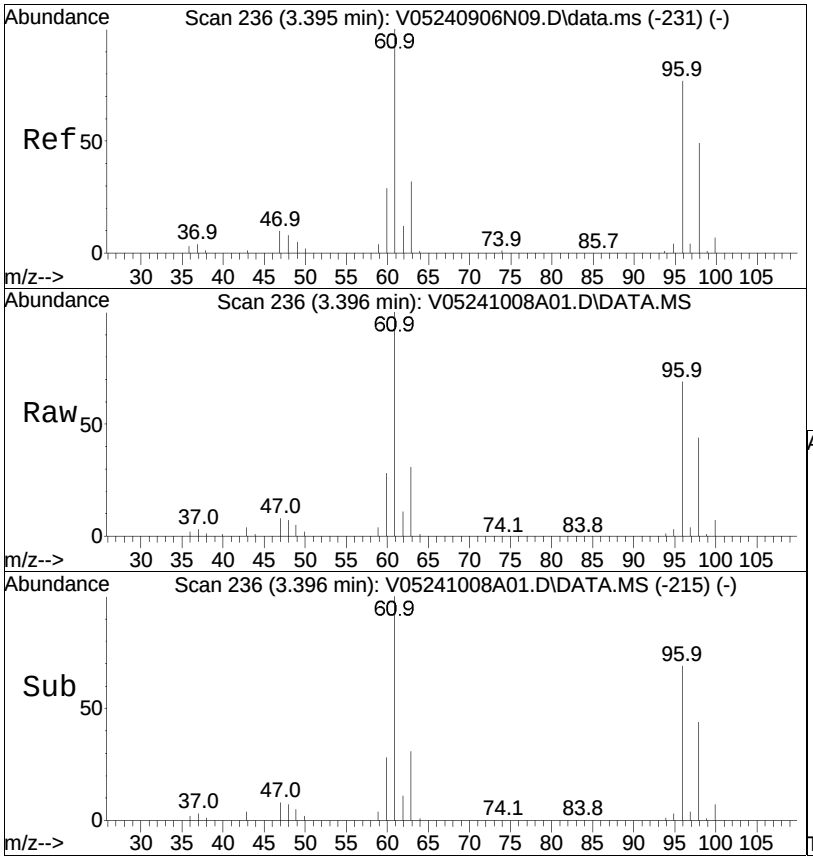


#17
Acetone
Concen: 8.12 ug/L
RT: 3.317 min Scan# 228
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 43 Resp: 22807

Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.0	33.0

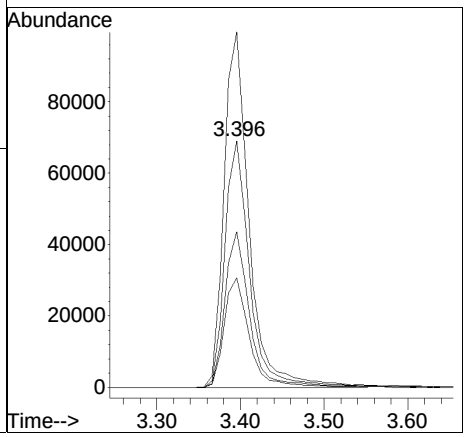


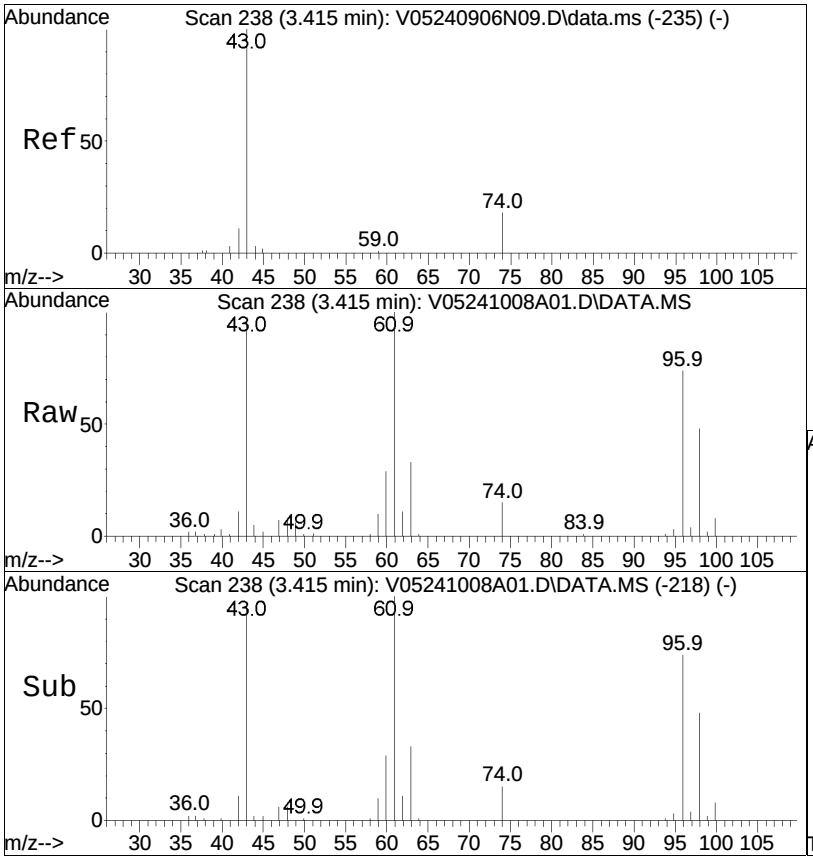


#18
trans-1,2-Dichloroethene
Concen: 11.03 ug/L
RT: 3.396 min Scan# 236
Delta R.T. 0.001 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 96 Resp: 142730

Ion	Ratio	Lower	Upper
96	100		
61	146.3	91.7	190.5
98	63.1	41.1	85.5
63	45.5	29.4	61.0

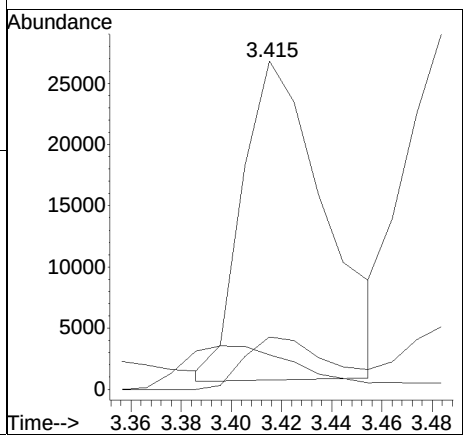


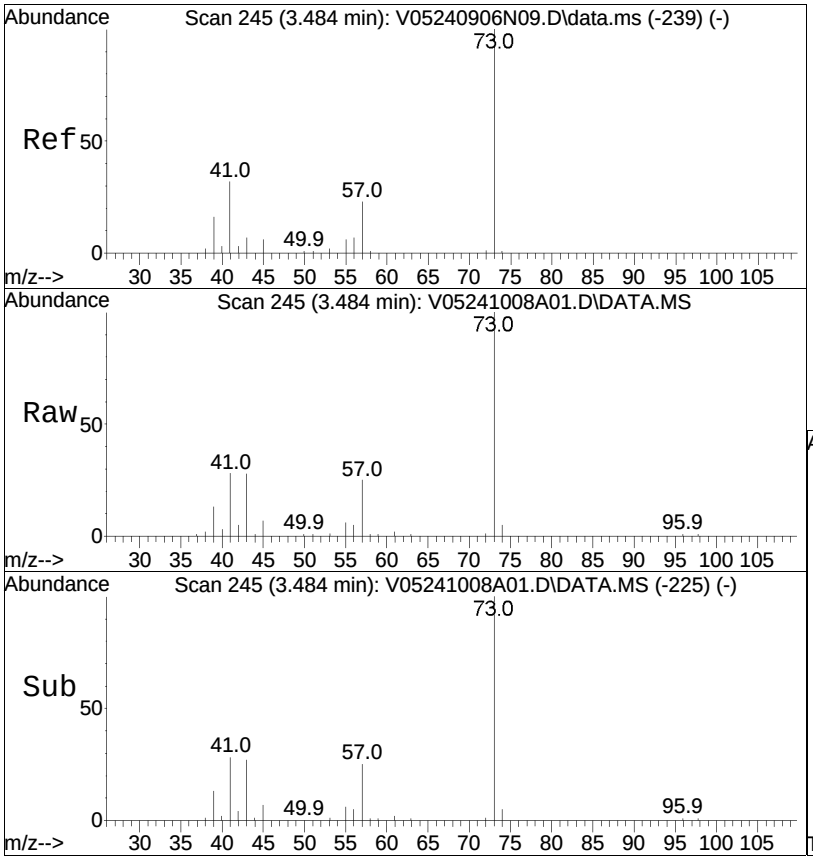


#19
Methyl acetate
Concen: 9.70 ug/L
RT: 3.415 min Scan# 238
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 43 Resp: 59743

Ion	Ratio	Lower	Upper
43	100		
74	17.1	23.1	34.7#
59	22.3	23.9	35.9#

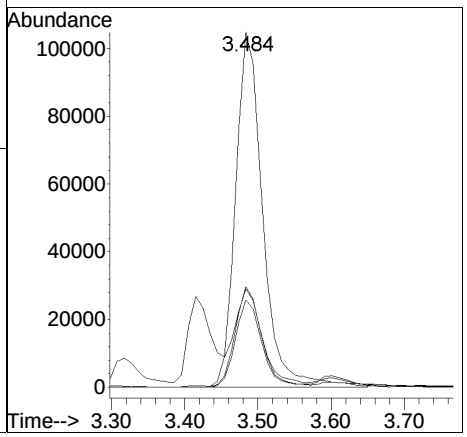


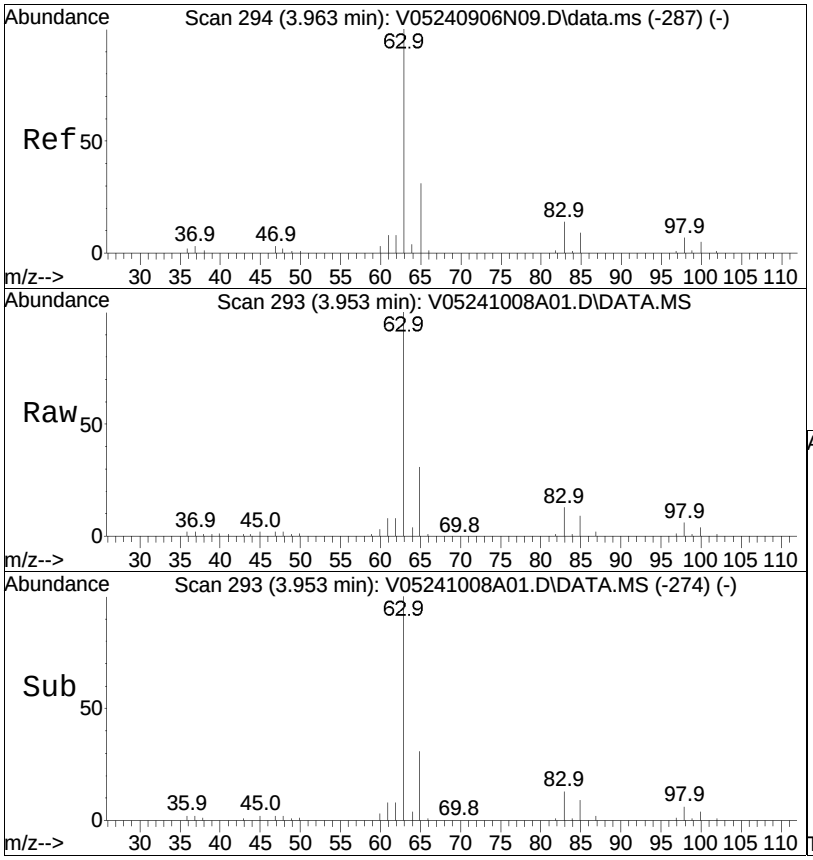


#20
Methyl tert-butyl ether
Concen: 9.56 ug/L
RT: 3.484 min Scan# 245
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 73 Resp: 272355

Ion	Ratio	Lower	Upper
73	100		
57	24.1	11.8	24.6
43	25.4	13.5	27.9
41	28.1	13.3	27.5#

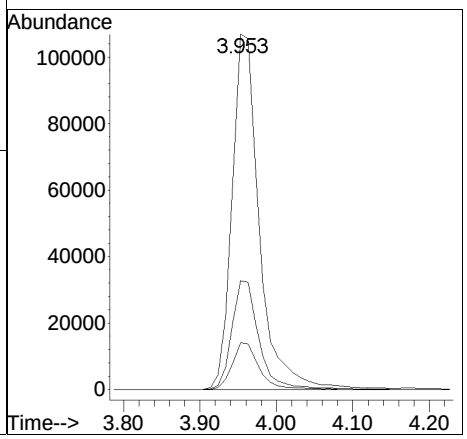


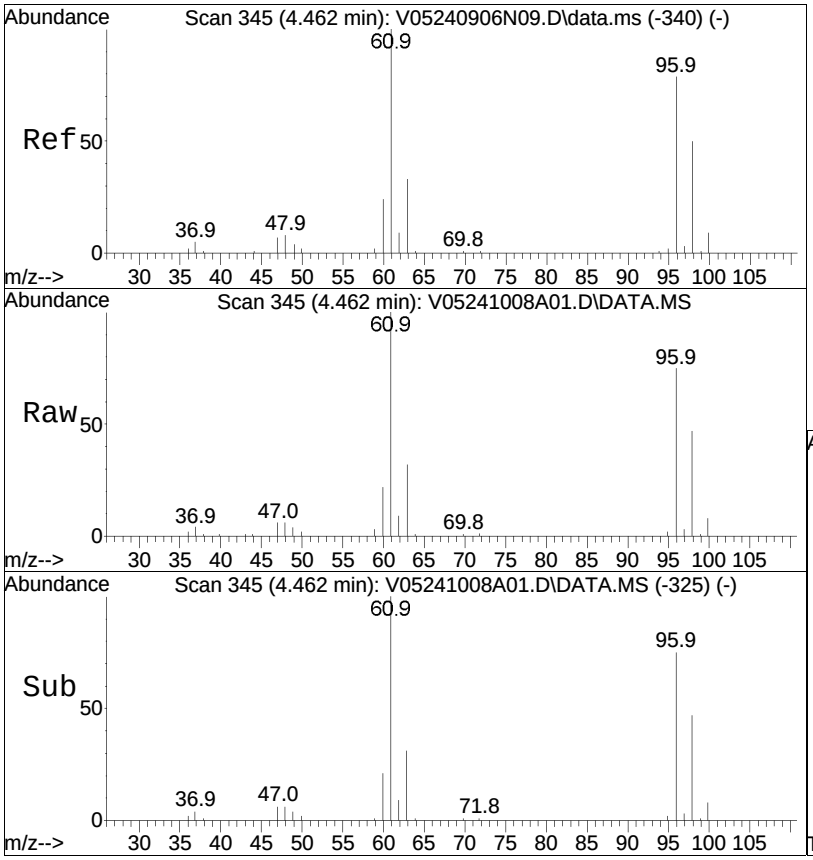


#23
1,1-Dichloroethane
Concen: 11.27 ug/L
RT: 3.953 min Scan# 293
Delta R.T. -0.010 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 63 Resp: 265450

Ion	Ratio	Lower	Upper
63	100		
65	30.3	11.9	51.9
83	13.0	0.0	34.2

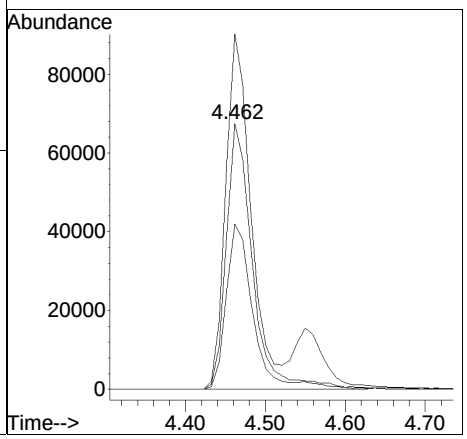


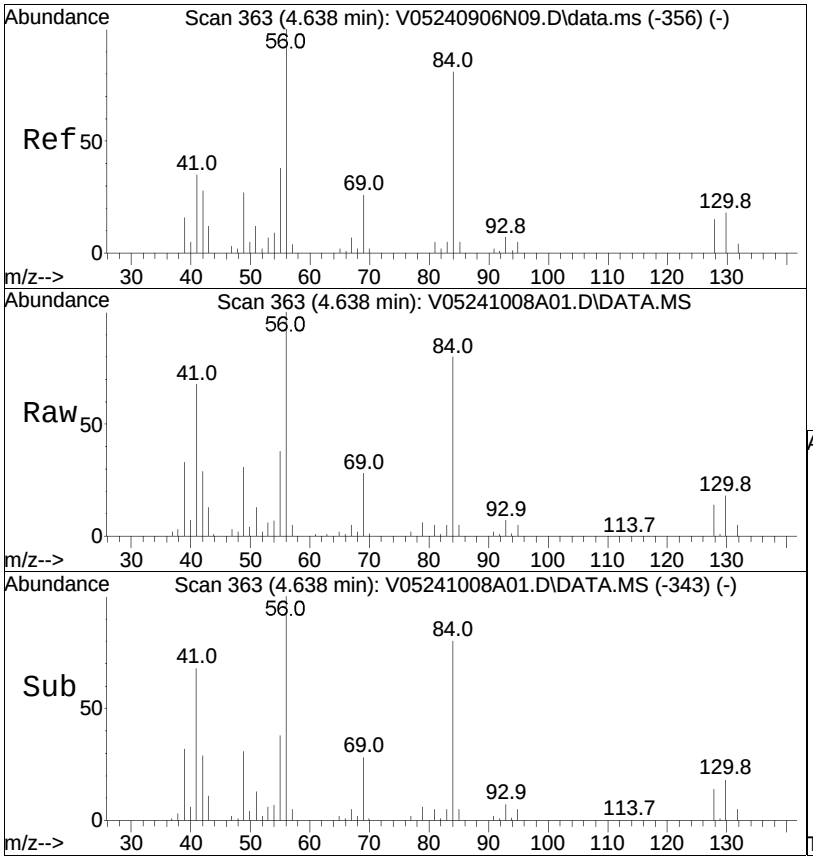


#28
cis-1,2-Dichloroethene
Concen: 10.61 ug/L
RT: 4.462 min Scan# 345
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 96 Resp: 155452

Ion	Ratio	Lower	Upper
96	100		
61	127.4	100.5	150.7
98	64.0	49.8	74.8

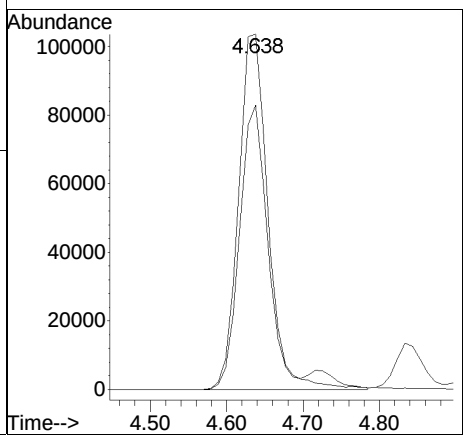


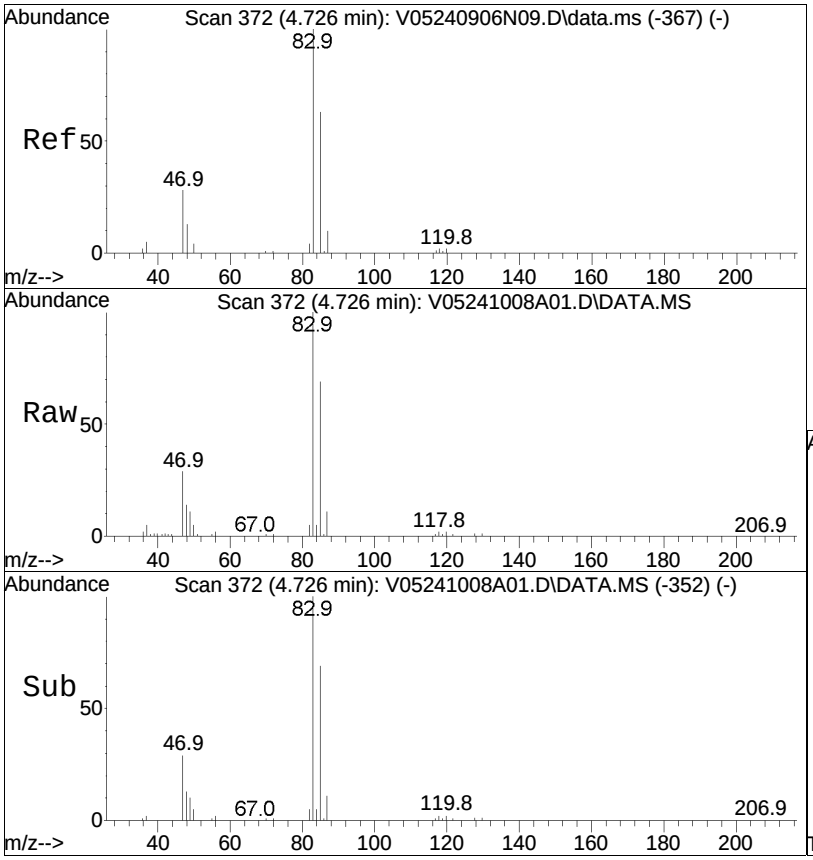


#31
Cyclohexane
Concen: 12.24 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 56 Resp: 278281

Ion	Ratio	Lower	Upper
56	100		
84	76.4	64.4	133.8

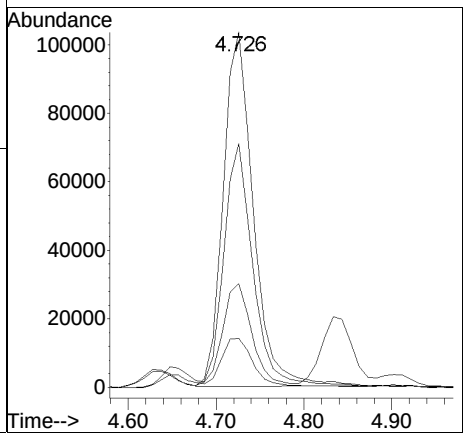


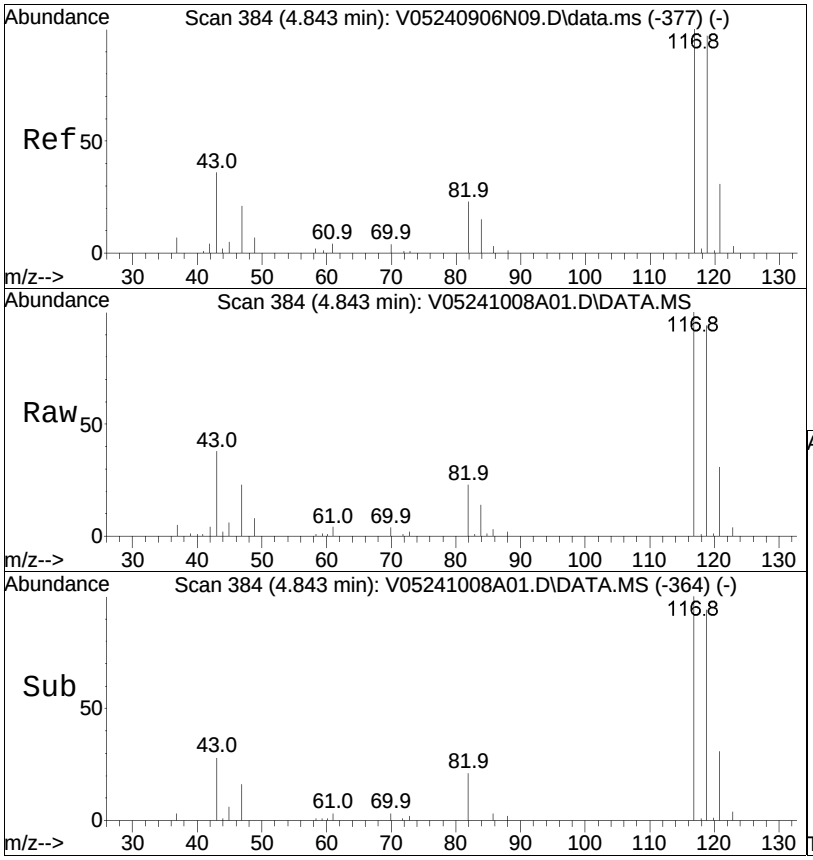


#32
Chloroform
Concen: 10.00 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 83 Resp: 246308

Ion	Ratio	Lower	Upper
83	100		
85	66.7	42.8	89.0
47	26.5	13.7	28.4
48	14.7	6.9	14.3#

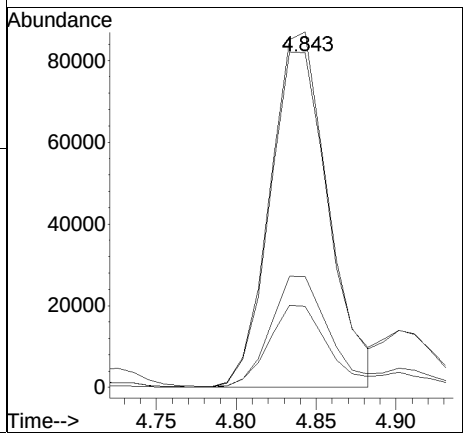


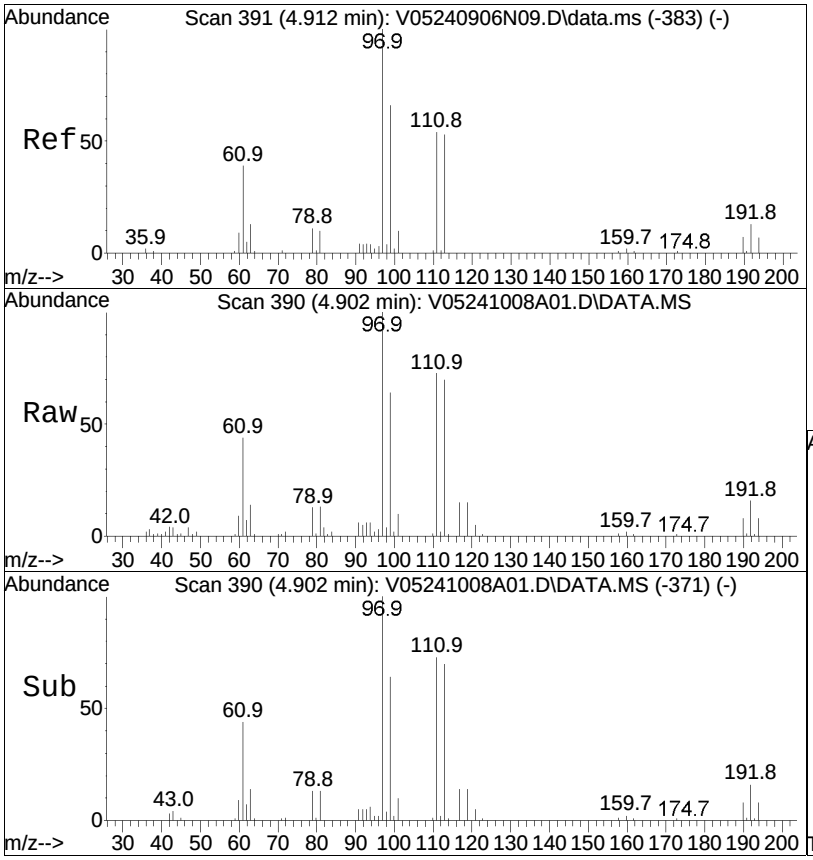


#34
Carbon tetrachloride
Concen: 10.44 ug/L
RT: 4.843 min Scan# 384
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:117 Resp: 220787

Ion	Ratio	Lower	Upper
117	100		
119	95.8	63.6	132.2
121	31.1	19.8	41.0
82	22.7	15.9	32.9

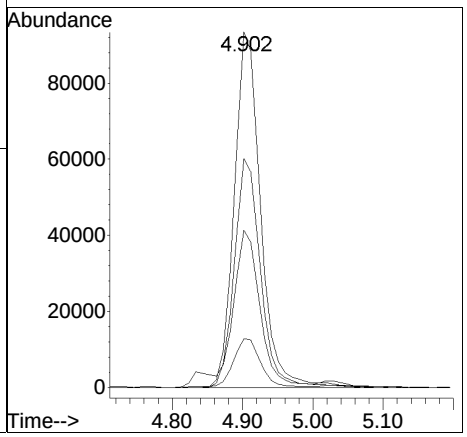


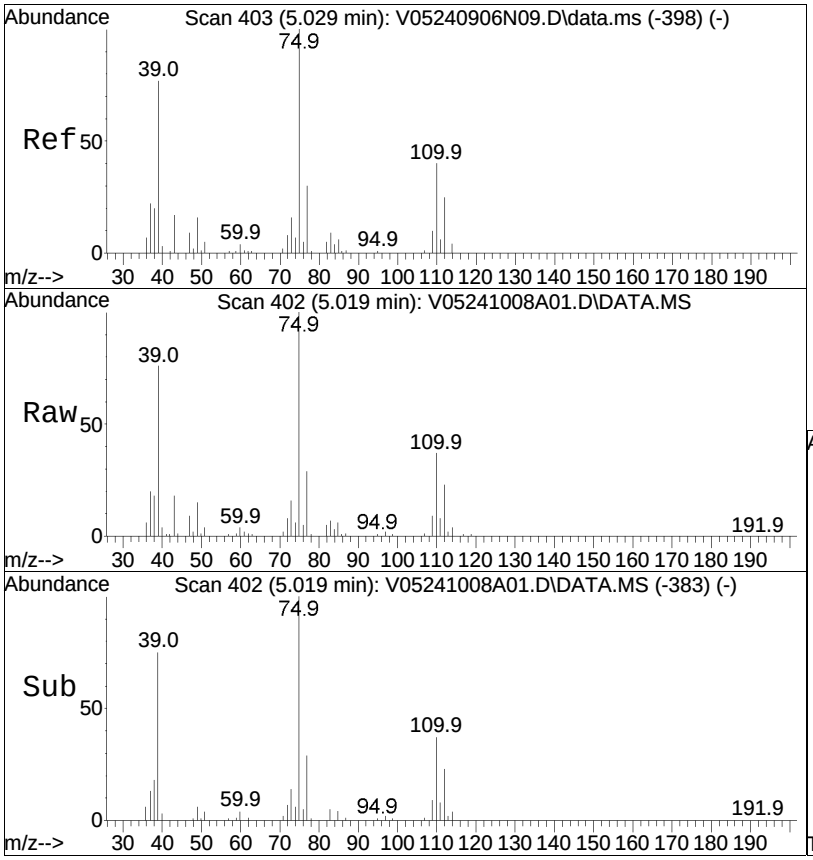


#37
1,1,1-Trichloroethane
Concen: 10.63 ug/L
RT: 4.902 min Scan# 390
Delta R.T. -0.010 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 97 Resp: 244120

Ion	Ratio	Lower	Upper
97	100		
99	64.2	41.7	86.5
61	43.5	26.1	54.3
63	14.3	8.5	17.6

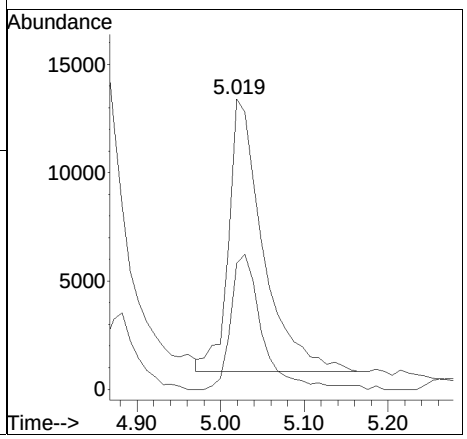


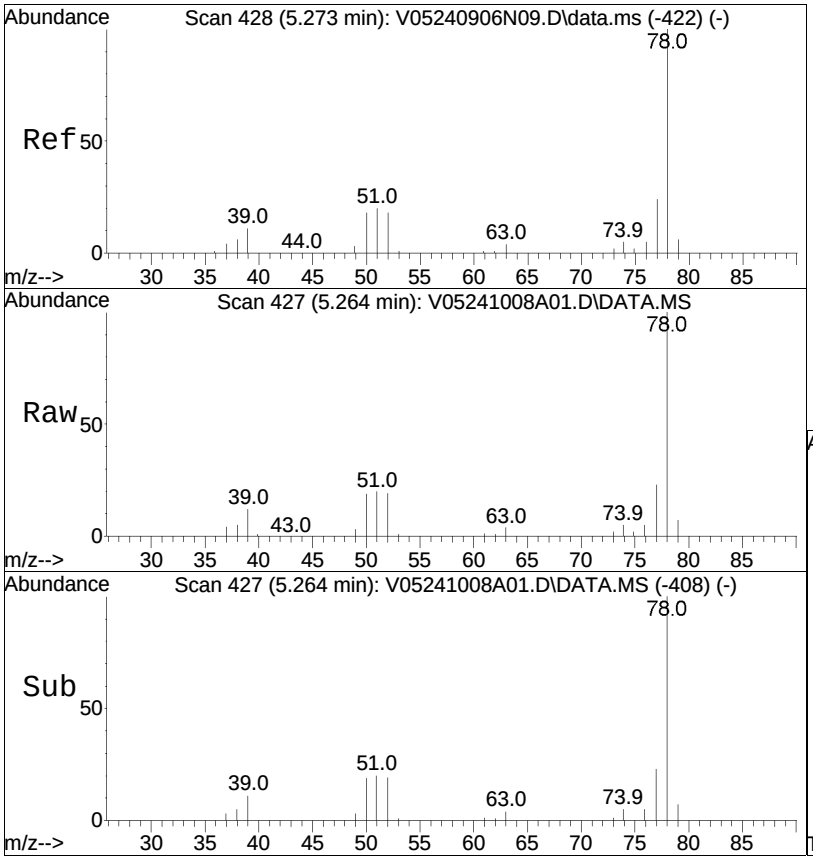


#39
2-Butanone
Concen: 8.51 ug/L
RT: 5.019 min Scan# 402
Delta R.T. -0.010 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 43 Resp: 36333

Ion	Ratio	Lower	Upper
43	100		
72	45.4	55.6	83.4#

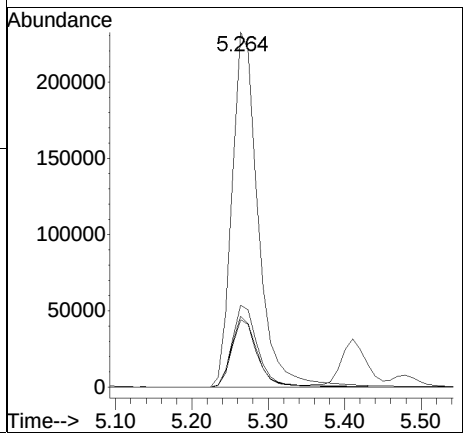


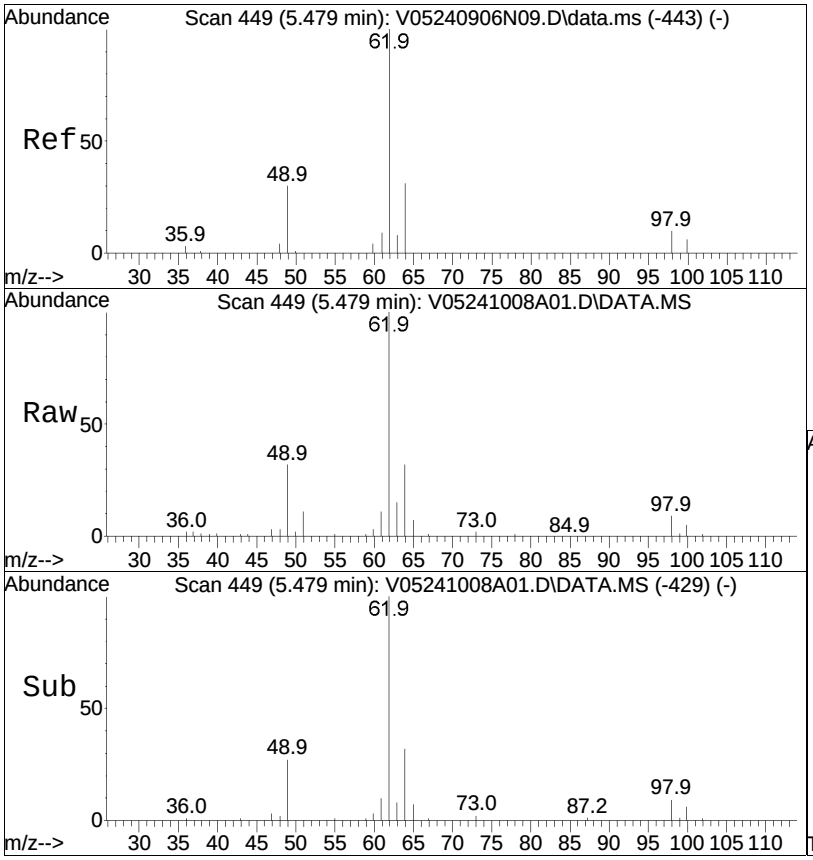


#41
Benzene
Concen: 11.12 ug/L
RT: 5.264 min Scan# 427
Delta R.T. -0.009 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 78 Resp: 556693

Ion	Ratio	Lower	Upper
78	100		
77	23.0	15.2	31.6
51	19.4	10.5	21.7
52	19.1	9.5	19.7

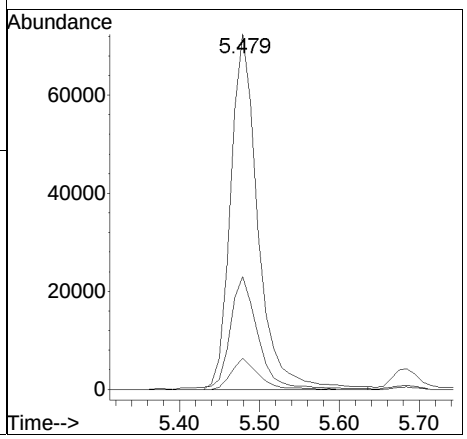


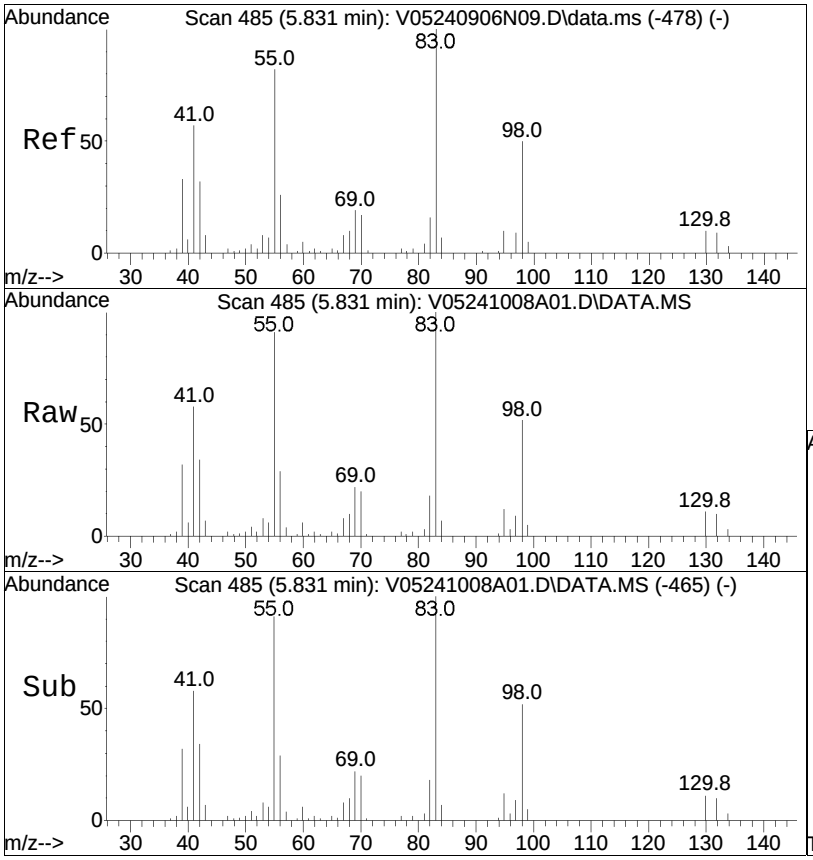


#44
1,2-Dichloroethane
Concen: 10.46 ug/L
RT: 5.479 min Scan# 449
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 62 Resp: 172881

Ion	Ratio	Lower	Upper
62	100		
64	32.5	13.2	53.2
98	8.7	0.0	27.8

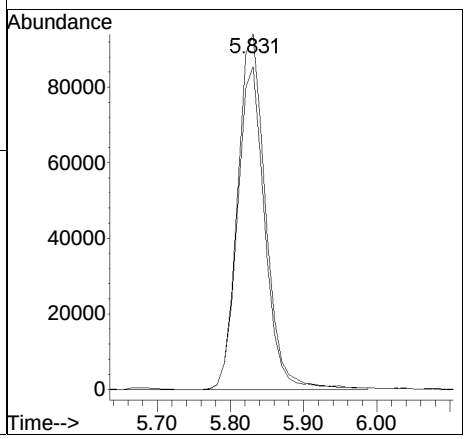


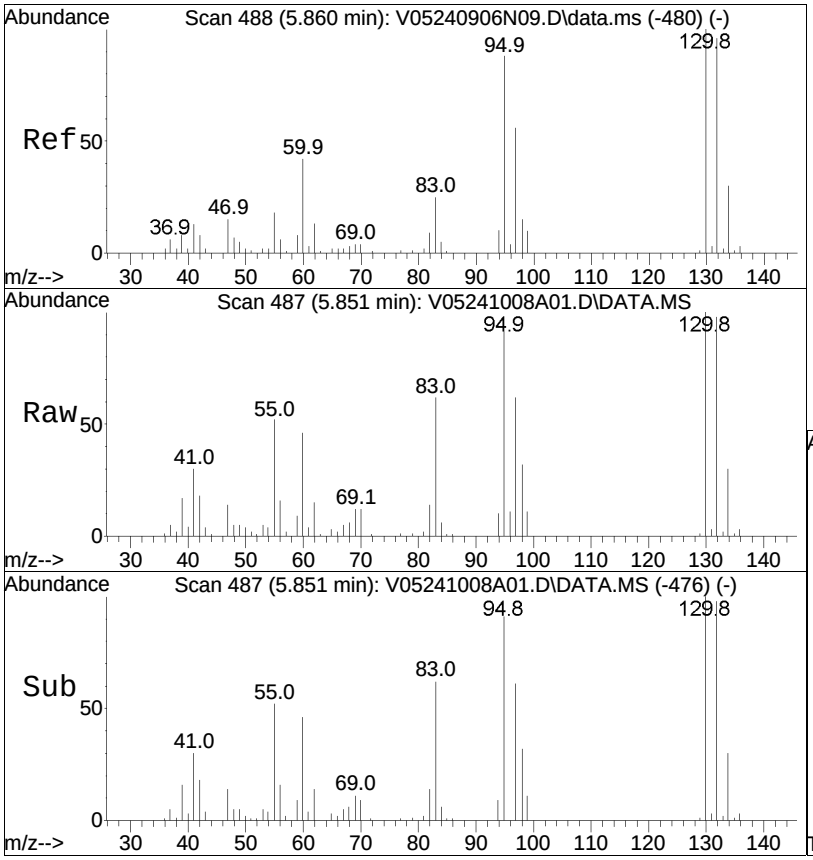


#47
Methyl cyclohexane
Concen: 10.89 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 83 Resp: 249995

Ion	Ratio	Lower	Upper
83	100		
55	88.8	57.3	85.9#

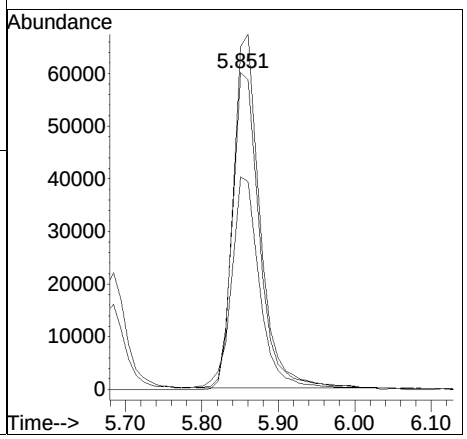


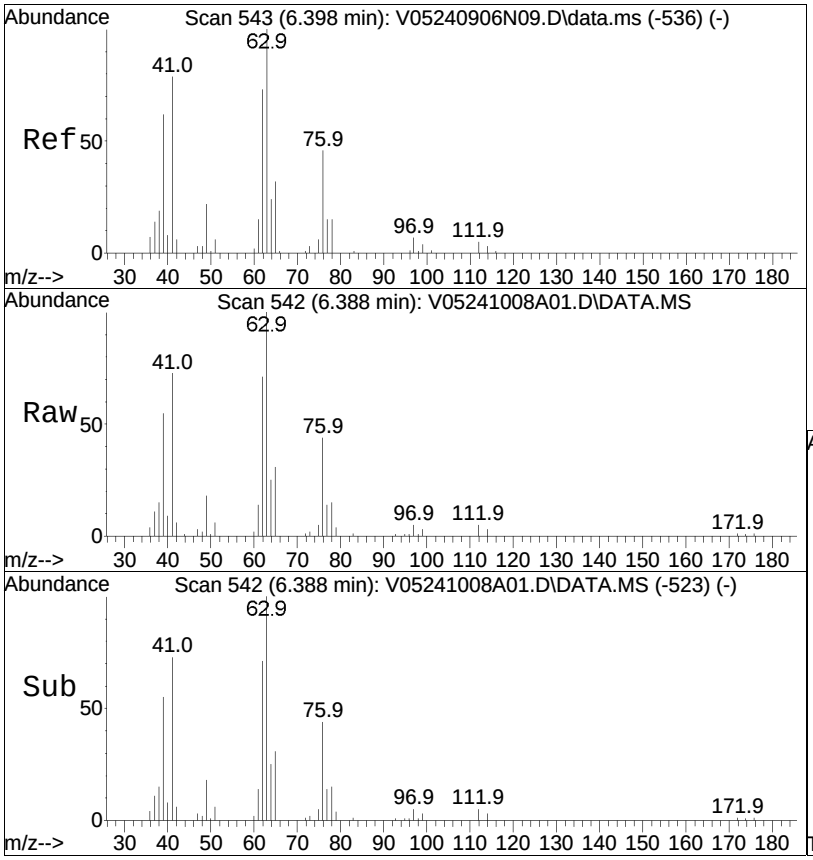


#48
Trichloroethene
Concen: 9.84 ug/L
RT: 5.851 min Scan# 487
Delta R.T. -0.009 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 95 Resp: 146599

Ion	Ratio	Lower	Upper
95	100		
97	69.0	56.1	84.1
130	113.7	77.7	116.5

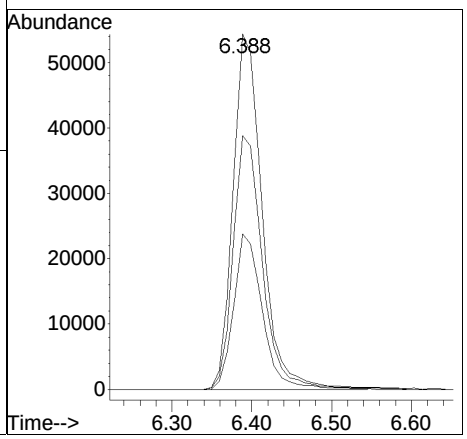


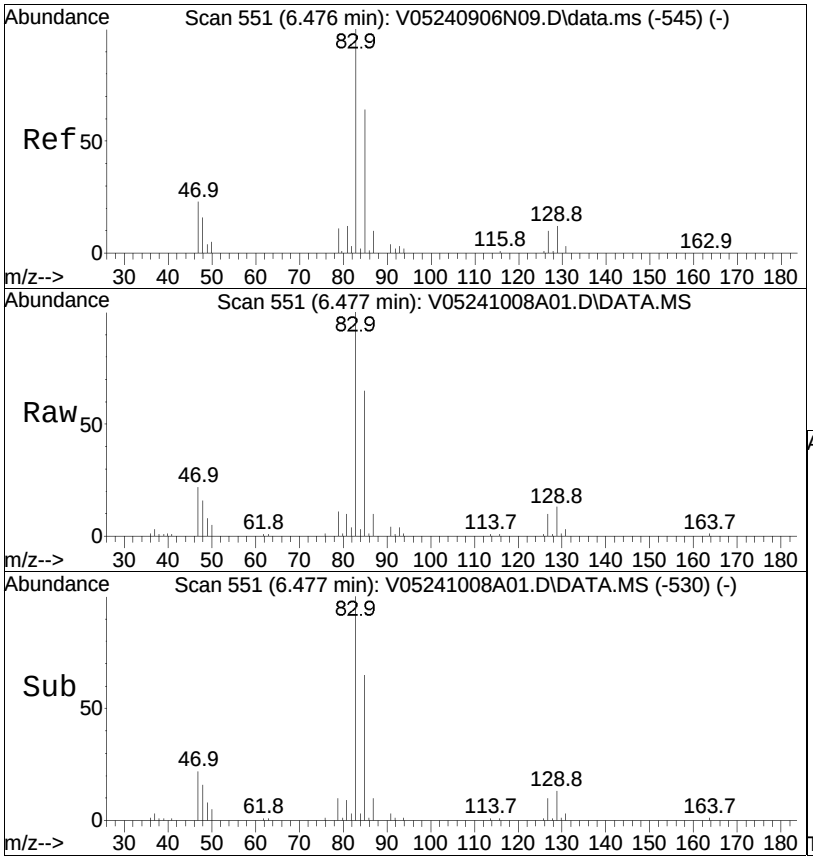


#51
1,2-Dichloropropane
Concen: 11.06 ug/L
RT: 6.388 min Scan# 542
Delta R.T. -0.010 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 63 Resp: 138322

Ion	Ratio	Lower	Upper
63	100		
62	71.8	57.0	85.4
76	43.1	48.4	72.6#

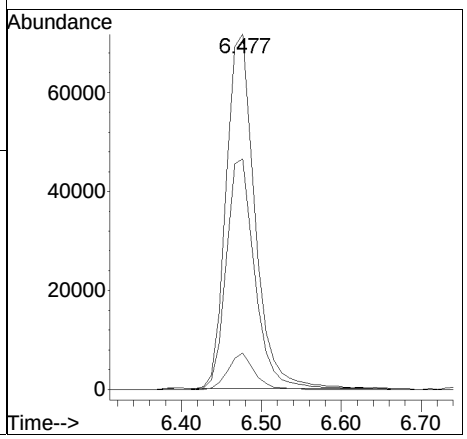


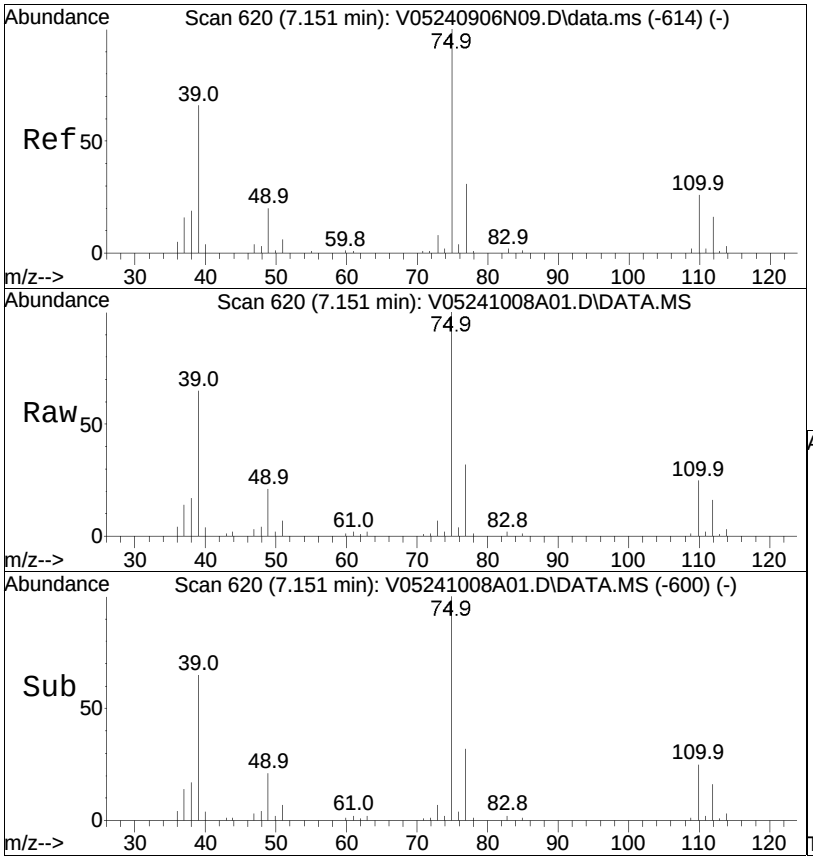


#54
Bromodichloromethane
Concen: 9.84 ug/L
RT: 6.477 min Scan# 551
Delta R.T. 0.001 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 83 Resp: 180192

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6
127	9.4	6.7	10.1

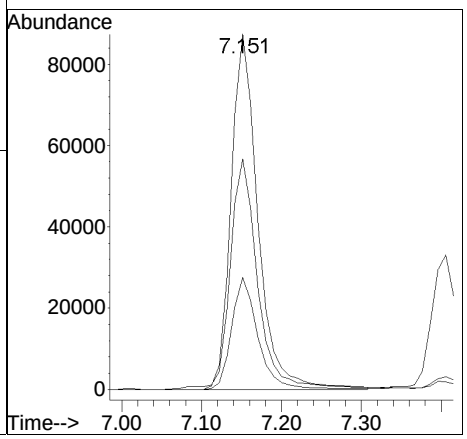


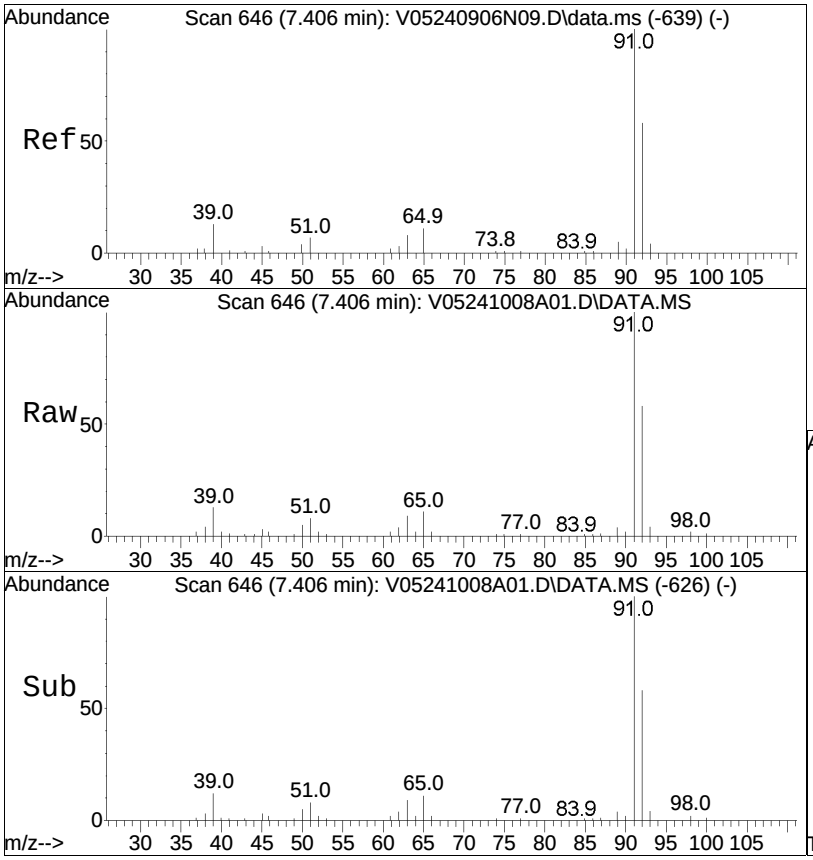


#58
cis-1,3-Dichloropropene
Concen: 10.64 ug/L
RT: 7.151 min Scan# 620
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 75 Resp: 204937

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	66.4	40.4	60.6#

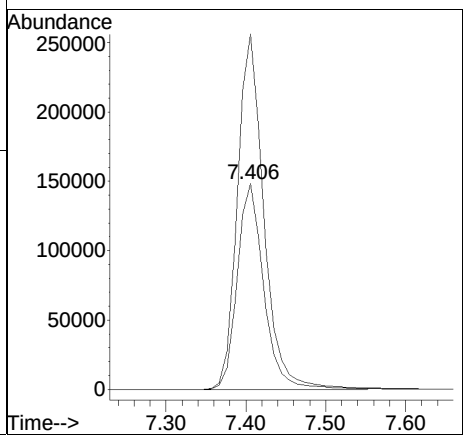


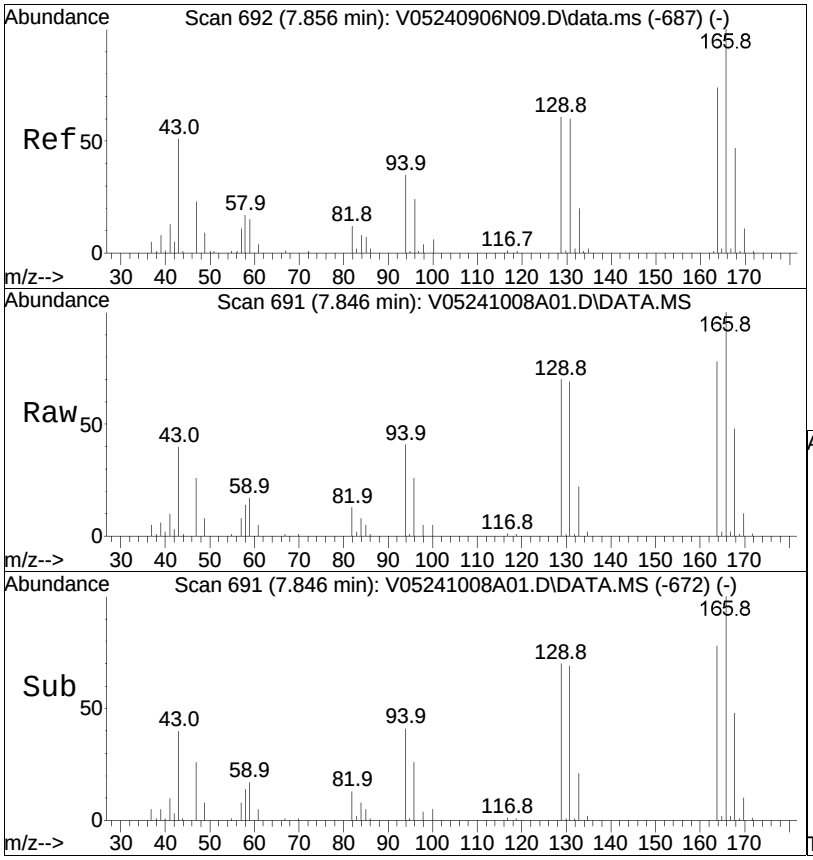


#61
Toluene
Concen: 10.72 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 92 Resp: 342264

Ion	Ratio	Lower	Upper
92	100		
91	172.2	135.2	202.8

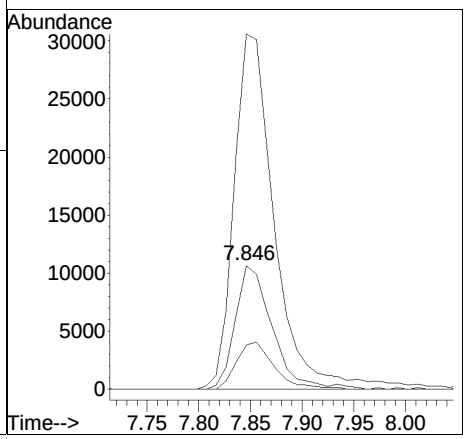


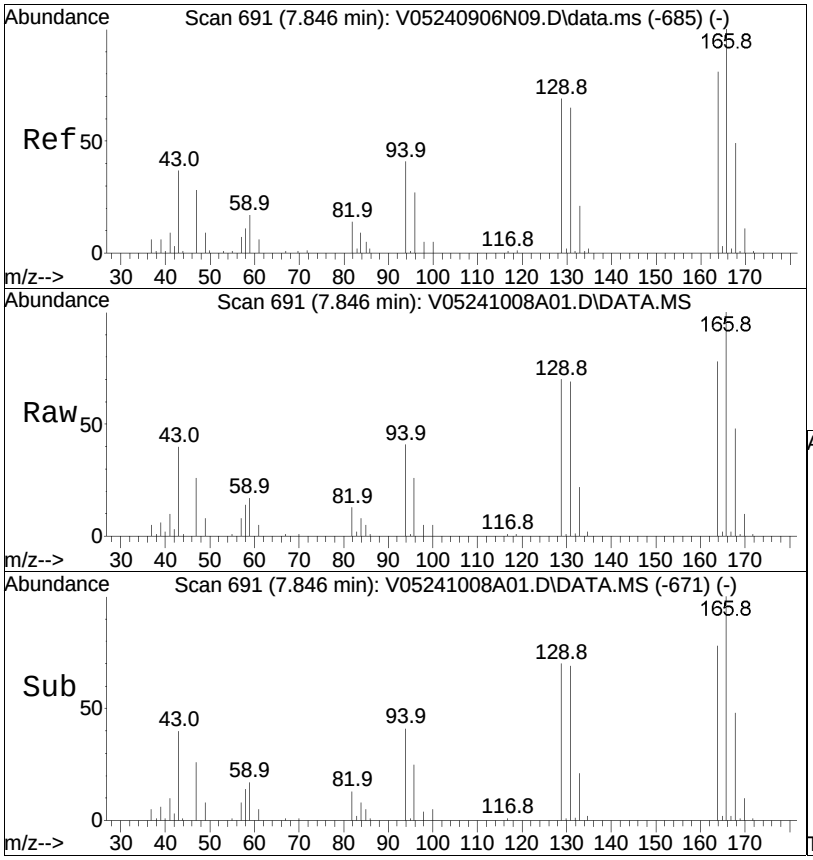


#62
4-Methyl-2-pentanone
Concen: 10.10 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.010 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 58 Resp: 26690

Ion	Ratio	Lower	Upper
58	100		
100	39.2	38.9	58.3
43	313.6	204.2	306.2#

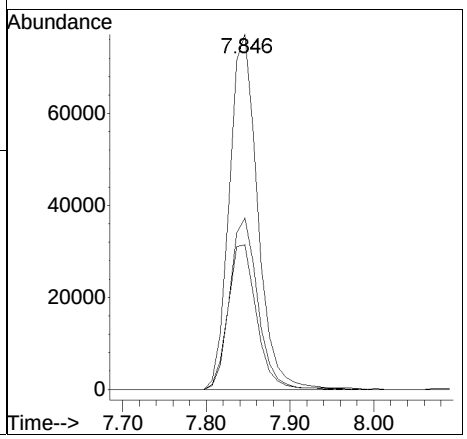


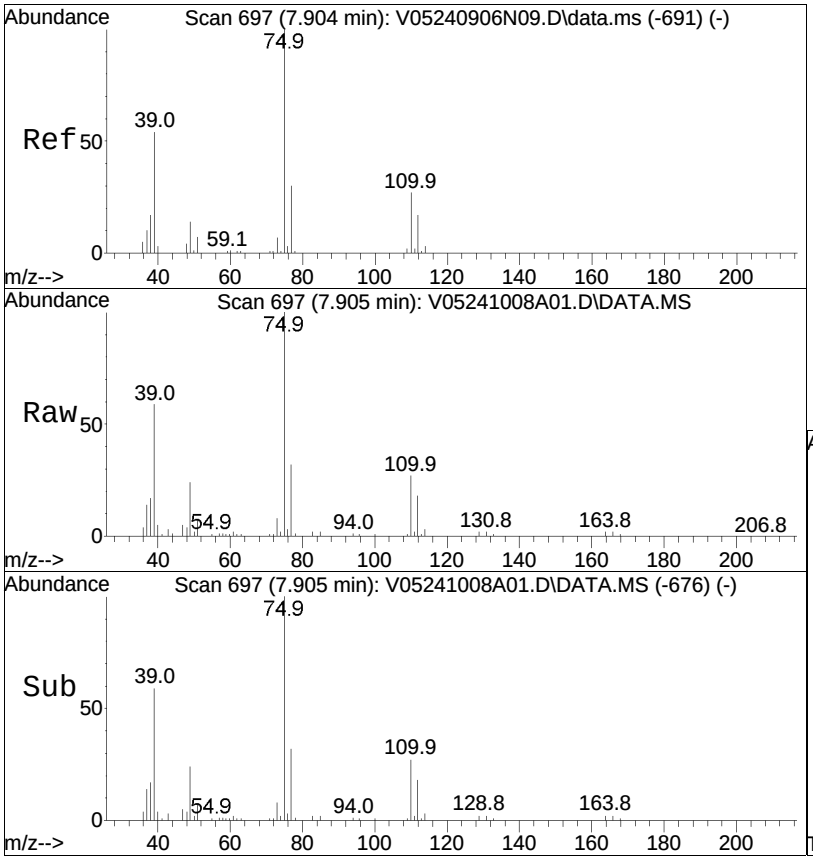


#63
Tetrachloroethene
Concen: 10.79 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:166 Resp: 181885

Ion	Ratio	Lower	Upper
166	100		
168	47.9	30.2	70.2
94	41.1	32.5	72.5

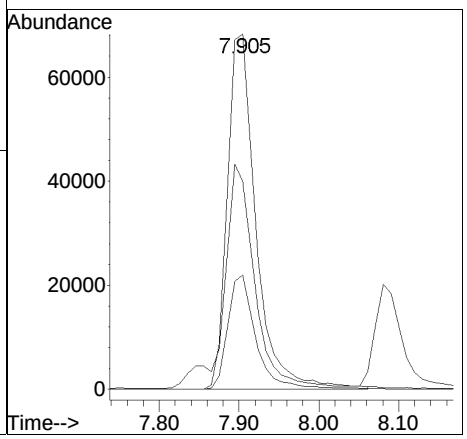


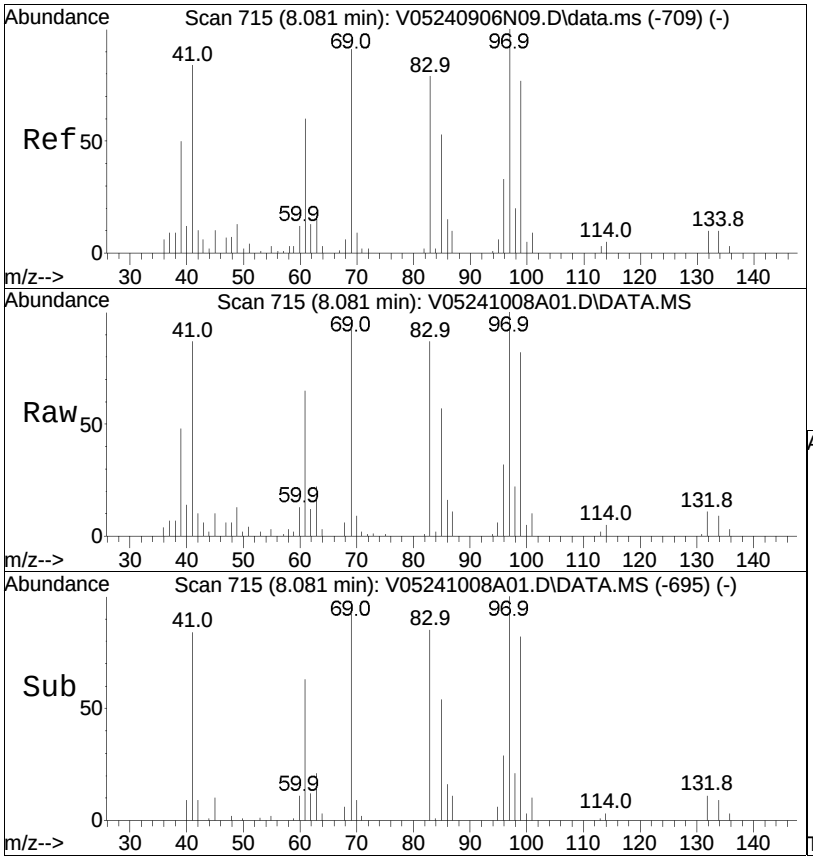


#65
trans-1,3-Dichloropropene
Concen: 11.01 ug/L
RT: 7.905 min Scan# 697
Delta R.T. 0.001 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 75 Resp: 171138

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.5	51.5
39	67.3	29.3	69.3

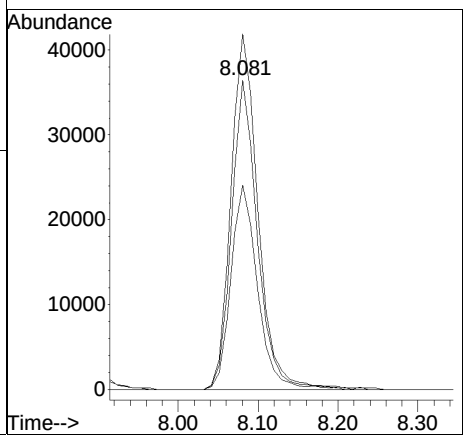


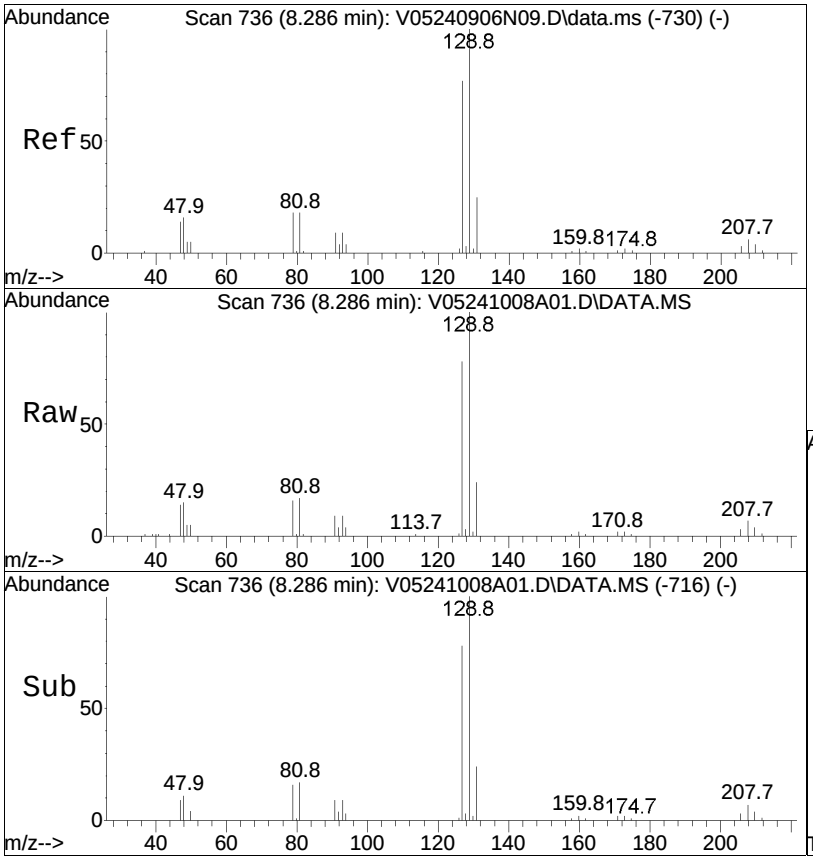


#68
1,1,2-Trichloroethane
Concen: 10.38 ug/L
RT: 8.081 min Scan# 715
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 83 Resp: 81997

Ion	Ratio	Lower	Upper
83	100		
97	120.7	102.2	142.2
85	68.1	47.5	87.5

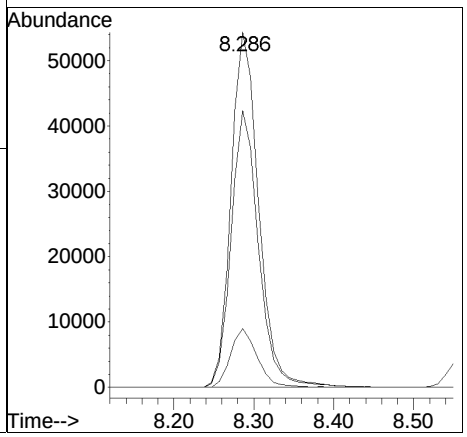


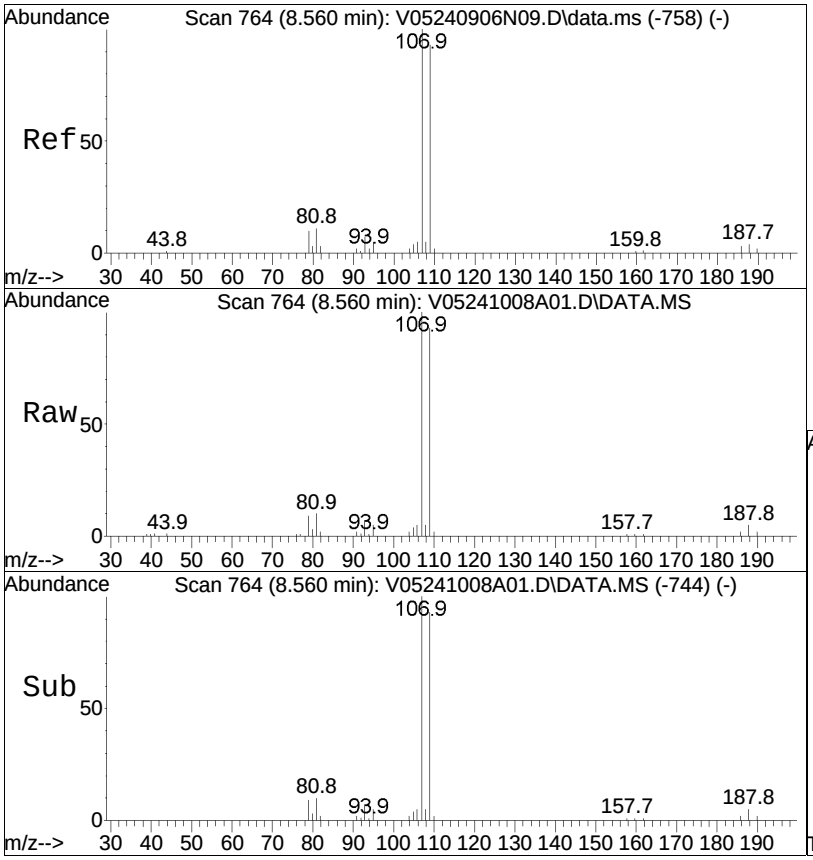


#69
Chlorodibromomethane
Concen: 9.73 ug/L
RT: 8.286 min Scan# 736
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:129 Resp: 131121

Ion	Ratio	Lower	Upper
129	100		
81	16.1	0.0	37.0
127	77.1	58.3	98.3

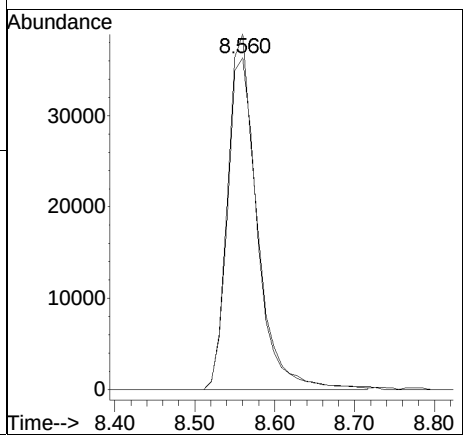


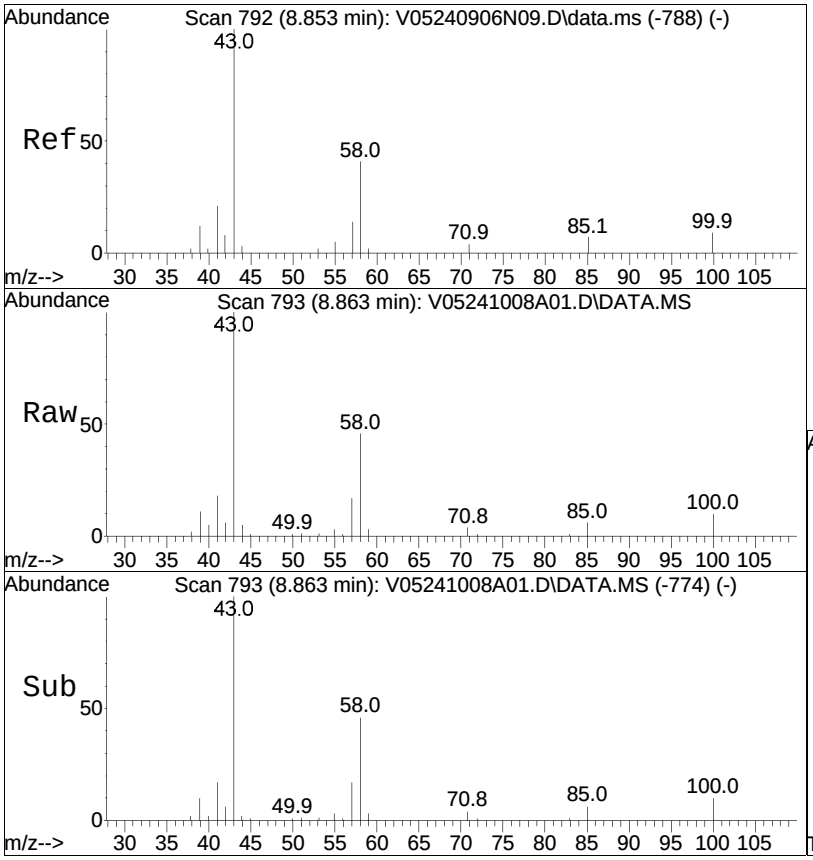


#71
1,2-Dibromoethane
Concen: 10.27 ug/L
RT: 8.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:107 Resp: 109288

Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.0	112.6

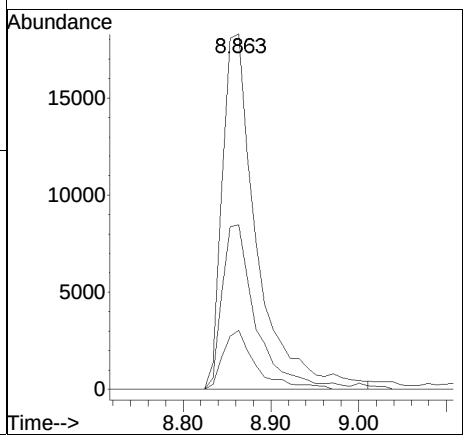


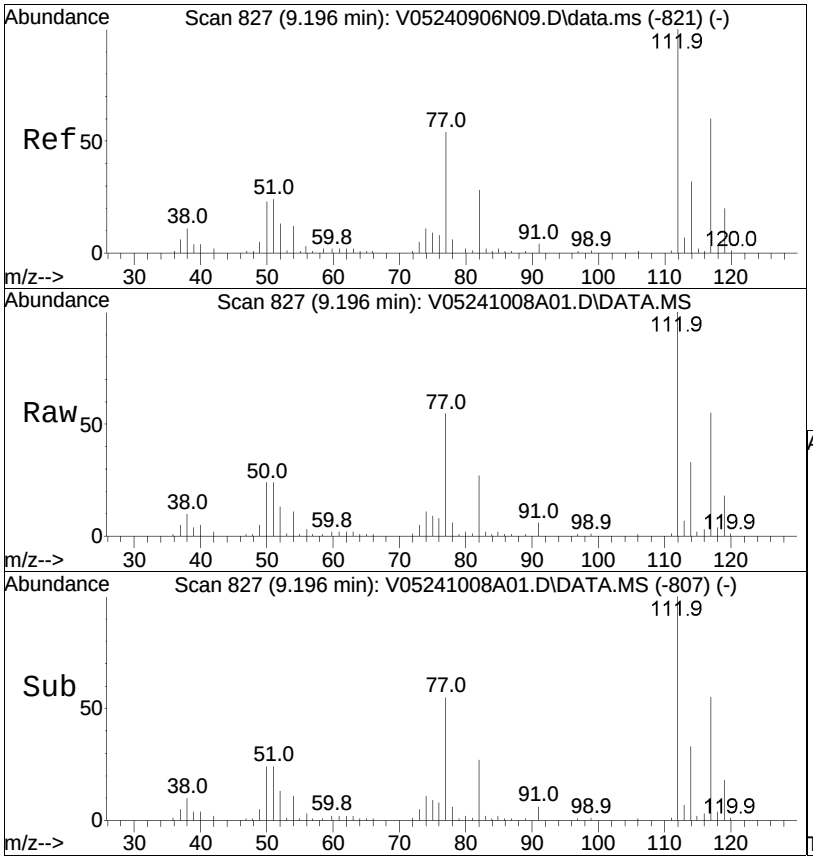


#72
2-Hexanone
Concen: 9.58 ug/L
RT: 8.863 min Scan# 793
Delta R.T. 0.010 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 43 Resp: 50498

Ion	Ratio	Lower	Upper
43	100		
58	45.3	42.3	63.5
57	15.9	15.6	23.4

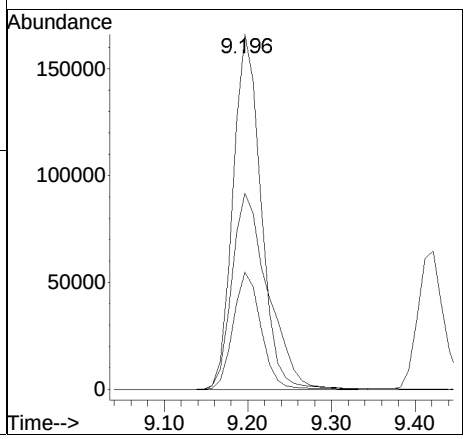


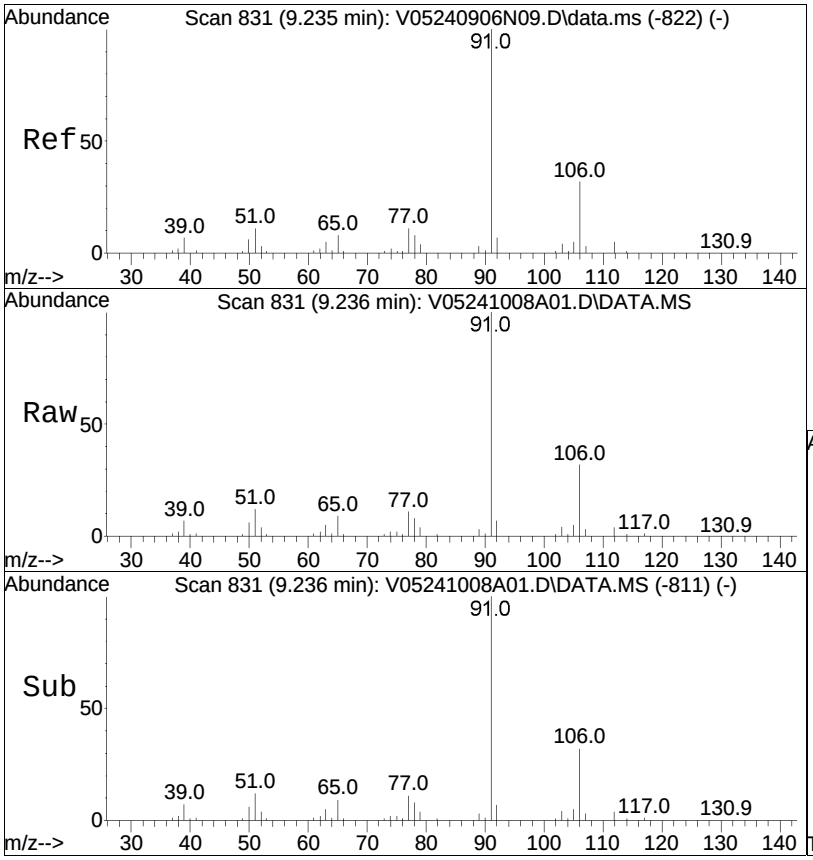


#73
Chlorobenzene
Concen: 10.25 ug/L
RT: 9.196 min Scan# 827
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:112 Resp: 386833

Ion	Ratio	Lower	Upper
112	100		
77	71.3	66.1	99.1
114	32.9	25.4	38.0

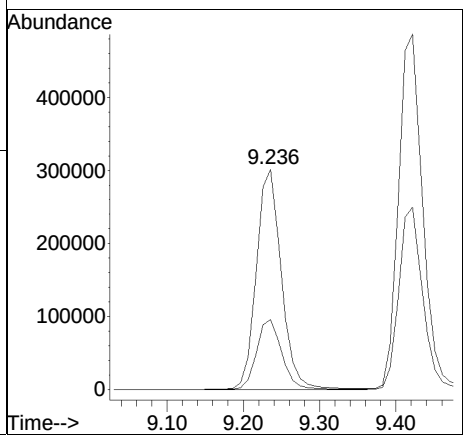


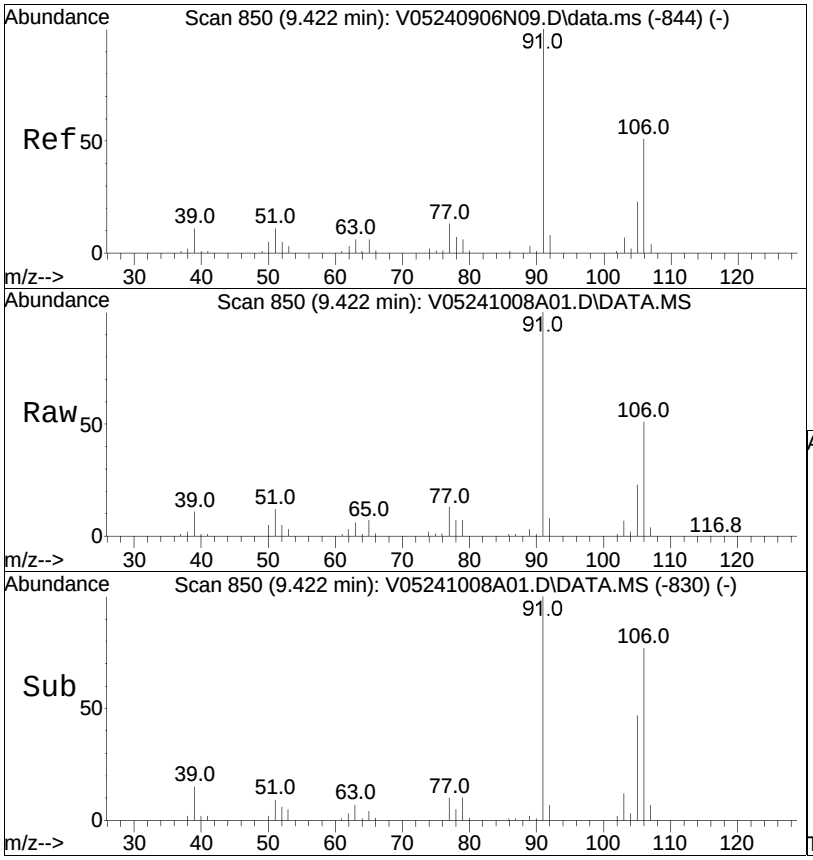


#74
Ethylbenzene
Concen: 10.76 ug/L
RT: 9.236 min Scan# 831
Delta R.T. 0.001 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 91 Resp: 686096

Ion	Ratio	Lower	Upper
91	100		
106	31.9	22.9	34.3

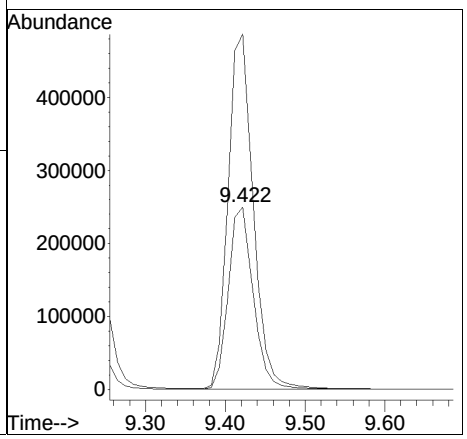


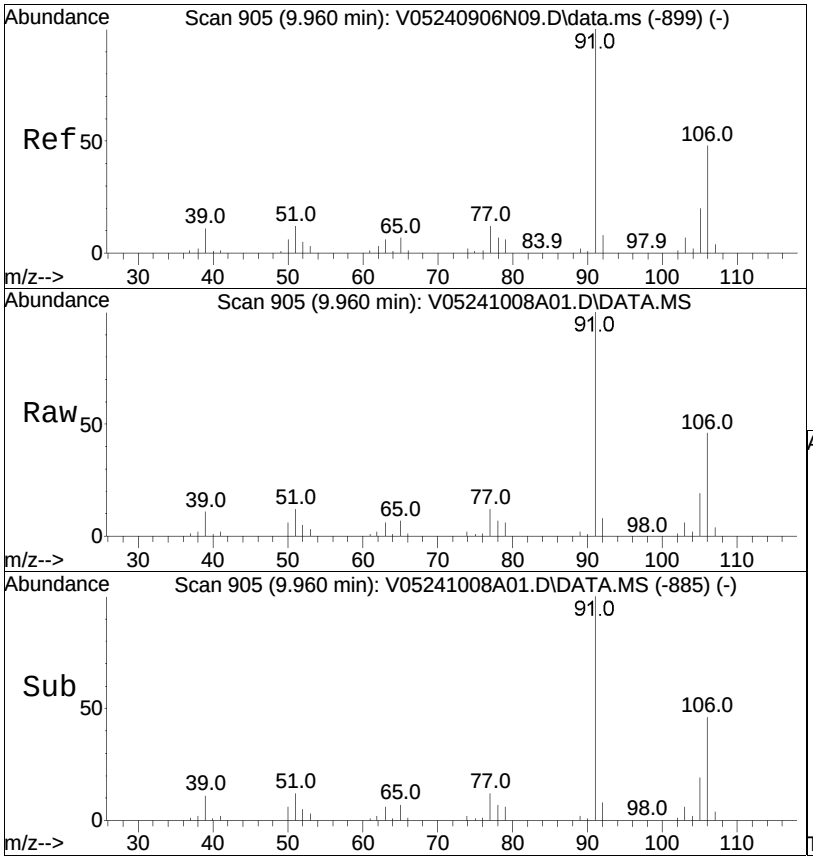


#76
p/m Xylene
Concen: 22.05 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:106 Resp: 543206

Ion	Ratio	Lower	Upper
106	100		
91	196.3	177.2	265.8

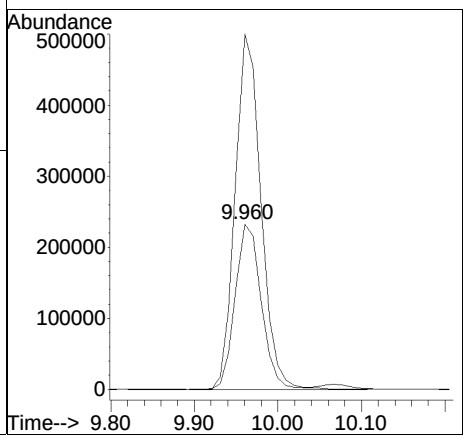


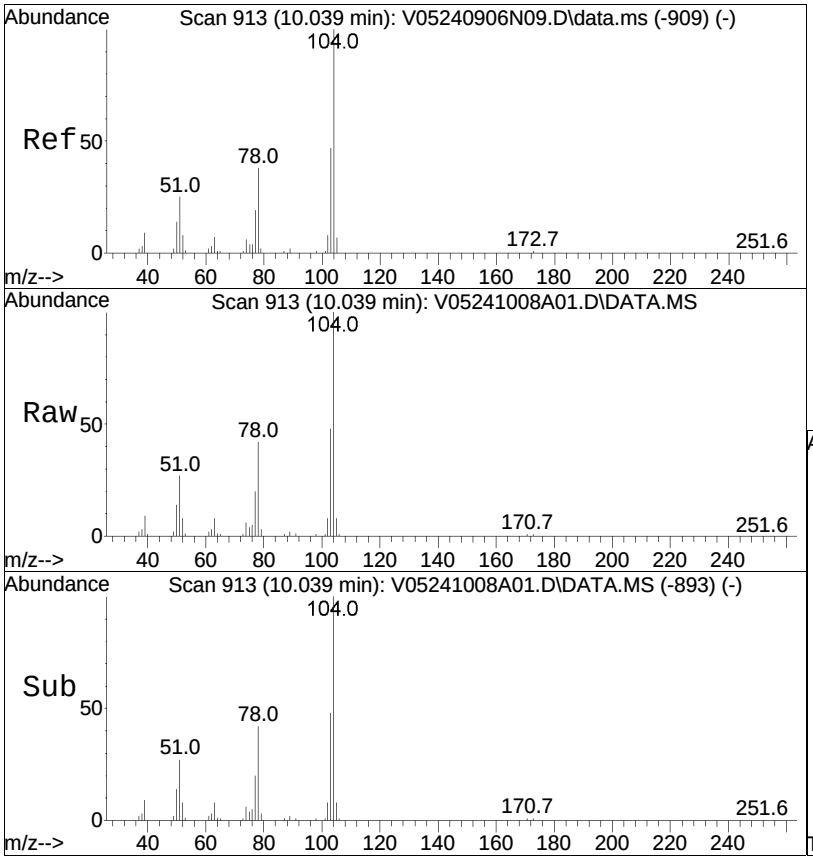


#77
o Xylene
Concen: 21.80 ug/L
RT: 9.960 min Scan# 905
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:106 Resp: 508694

Ion	Ratio	Lower	Upper
106	100		
91	210.8	187.0	280.6

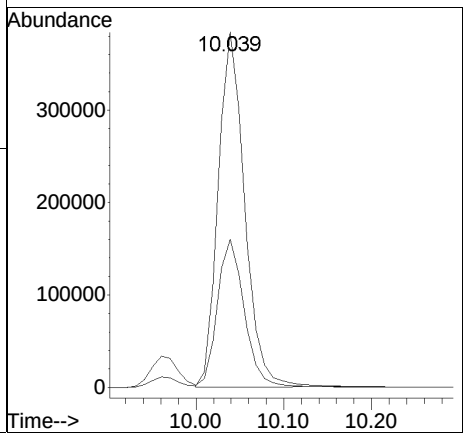


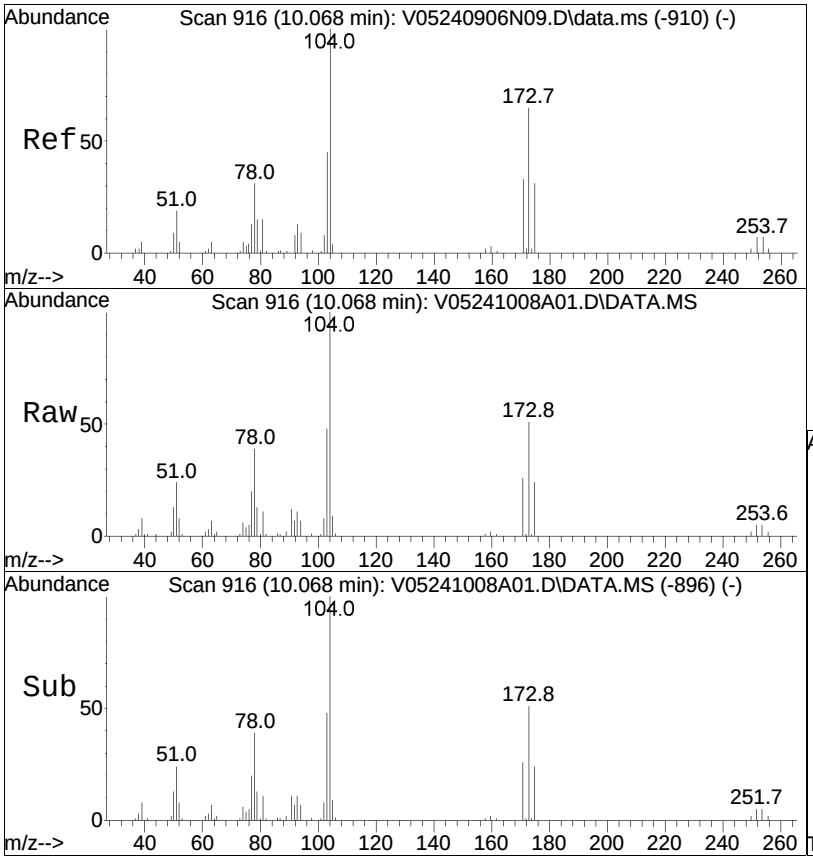


#78
Styrene
Concen: 20.86 ug/L
RT: 10.039 min Scan# 913
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:104 Resp: 805514

Ion	Ratio	Lower	Upper
104	100		
78	42.4	39.6	59.4

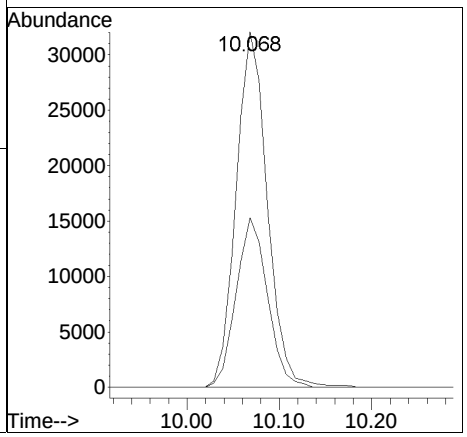


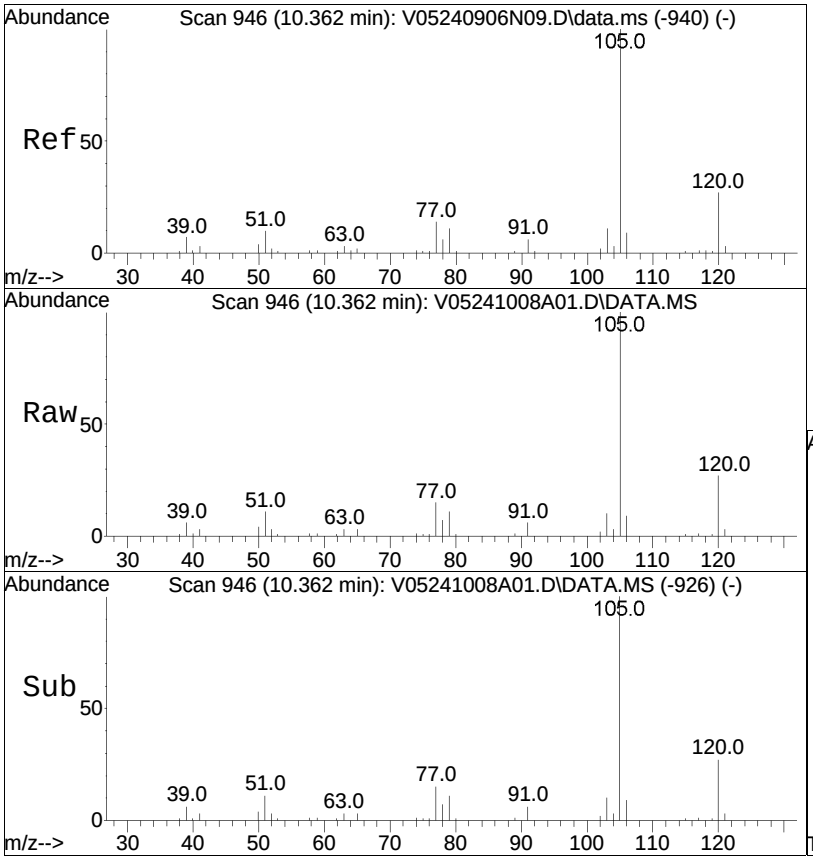


#80
Bromoform
Concen: 9.35 ug/L
RT: 10.068 min Scan# 916
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:173 Resp: 75345

Ion	Ratio	Lower	Upper
173	100		
175	48.0	26.6	66.6

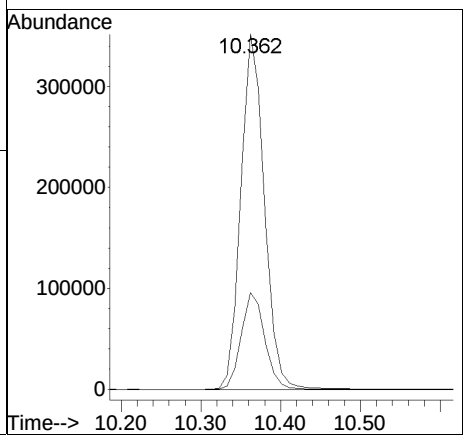


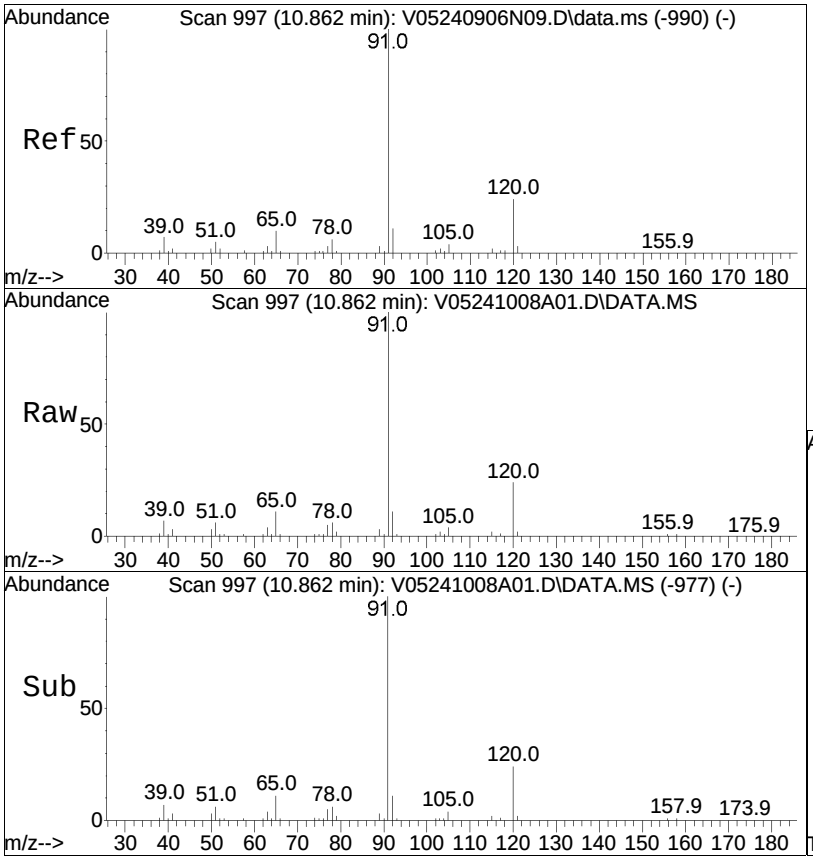


#82
Isopropylbenzene
Concen: 11.47 ug/L
RT: 10.362 min Scan# 946
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:105 Resp: 721714

Ion	Ratio	Lower	Upper
105	100		
120	27.3	4.8	44.8

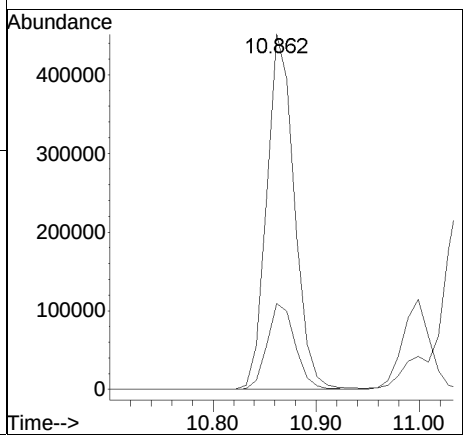


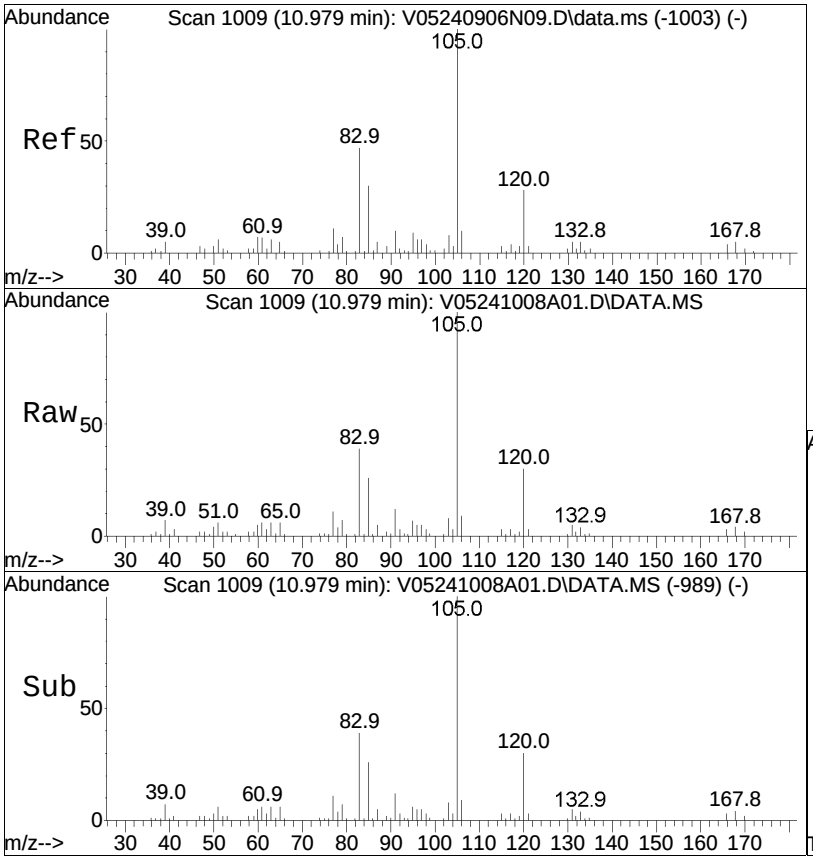


#85
n-Propylbenzene
Concen: 11.44 ug/L
RT: 10.862 min Scan# 997
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 91 Resp: 841138

Ion	Ratio	Lower	Upper
91	100		
120	24.5	17.3	25.9

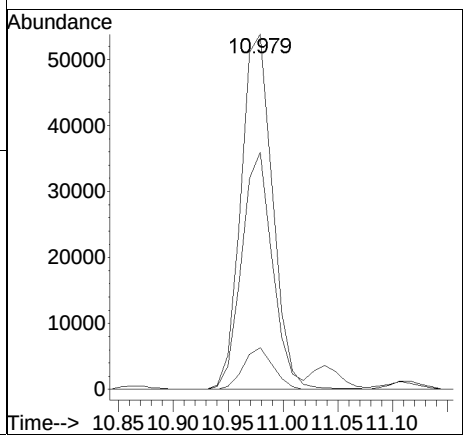


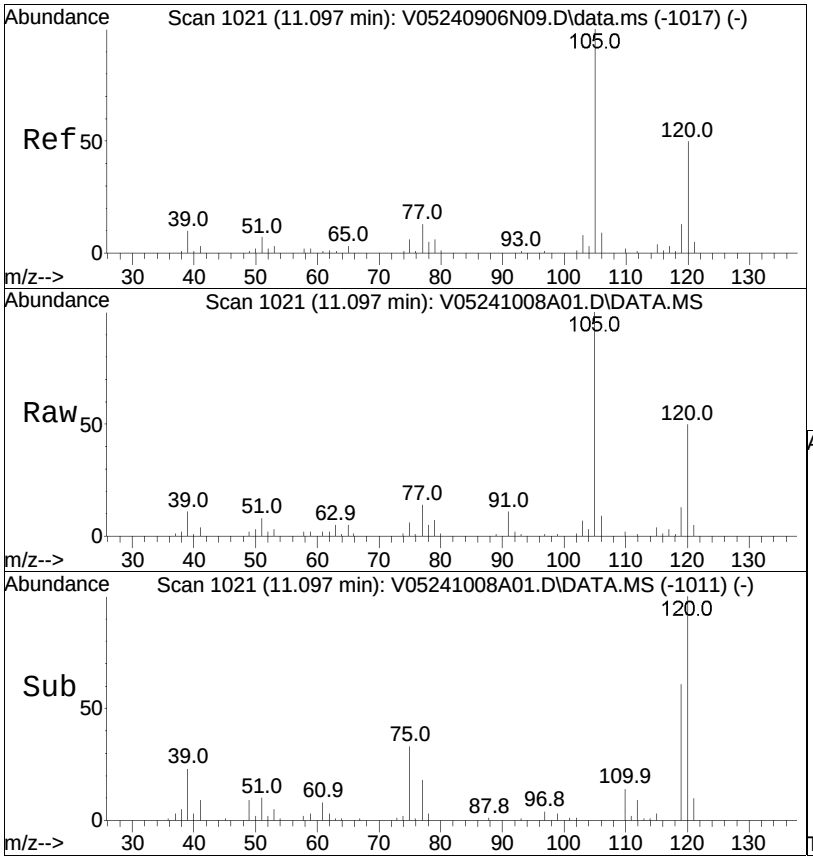


#87
1,1,2,2-Tetrachloroethane
Concen: 9.91 ug/L
RT: 10.979 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 83 Resp: 108351

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	30.4
85	65.3	46.4	86.4

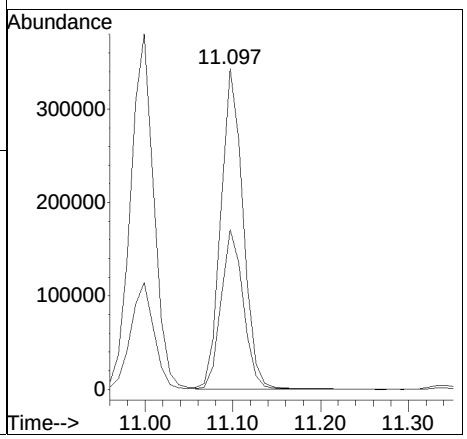


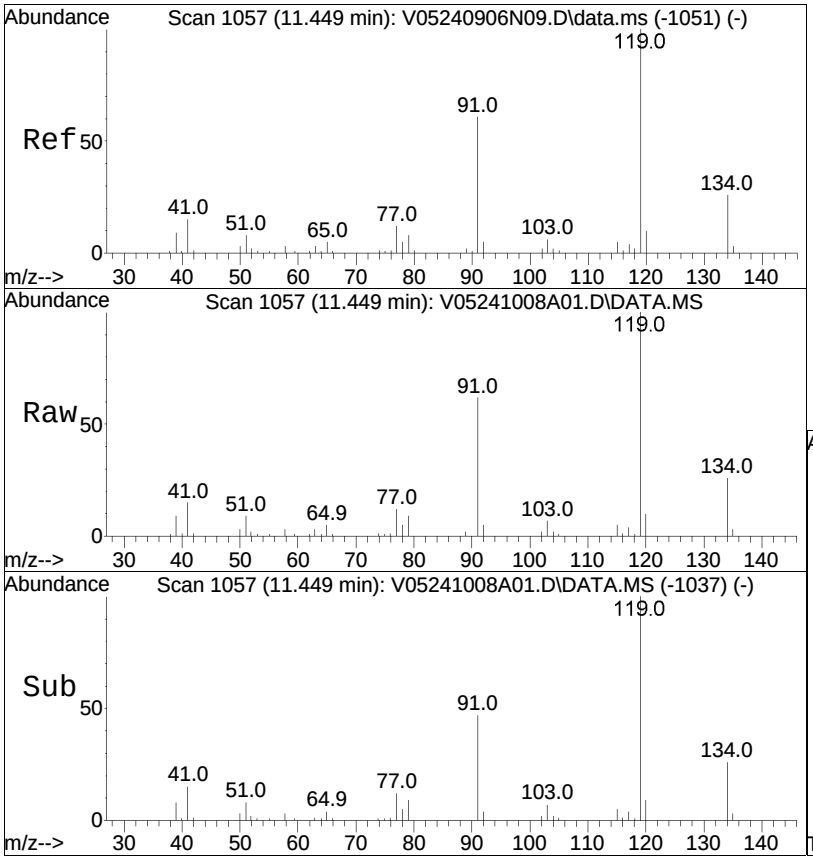


#90
1,3,5-Trimethylbenzene
Concen: 11.12 ug/L
RT: 11.097 min Scan# 1021
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:105 Resp: 601161

Ion	Ratio	Lower	Upper
105	100		
120	50.0	37.0	55.6

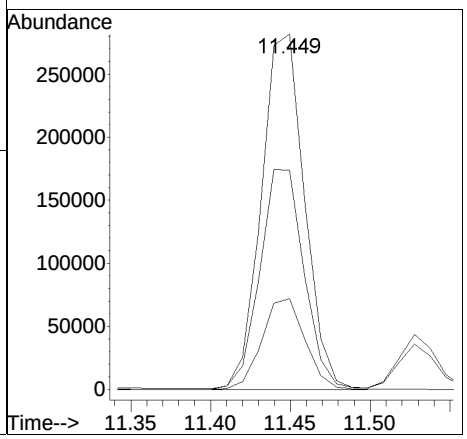


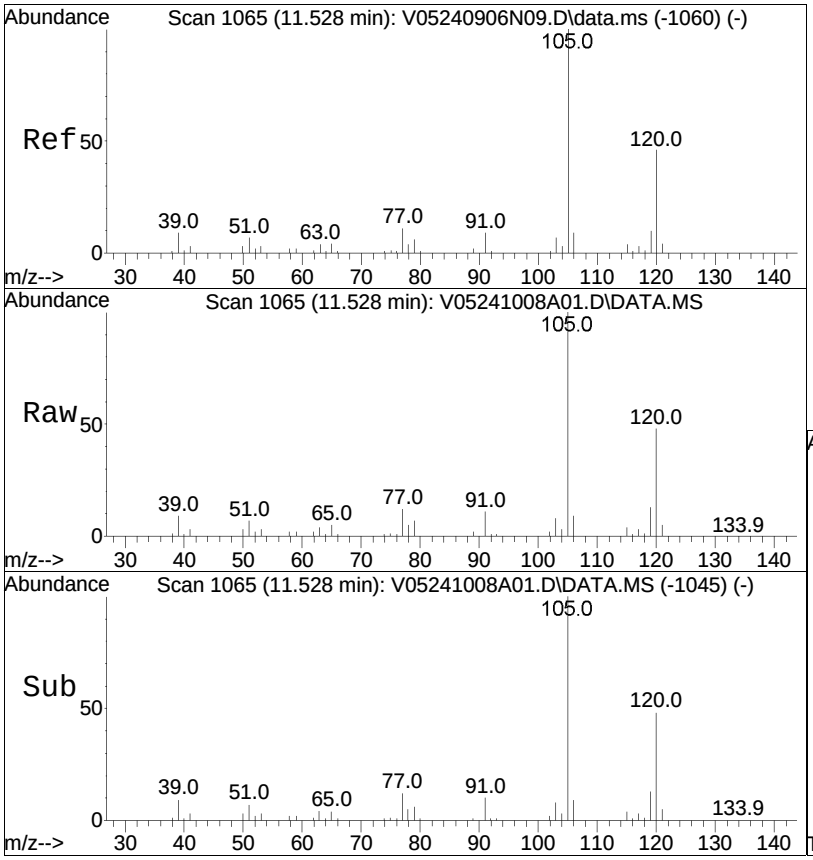


#94
tert-Butylbenzene
Concen: 11.21 ug/L
RT: 11.449 min Scan# 1057
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:119 Resp: 530493

Ion	Ratio	Lower	Upper
119	100		
91	62.9	49.2	73.8
134	25.6	18.3	27.5

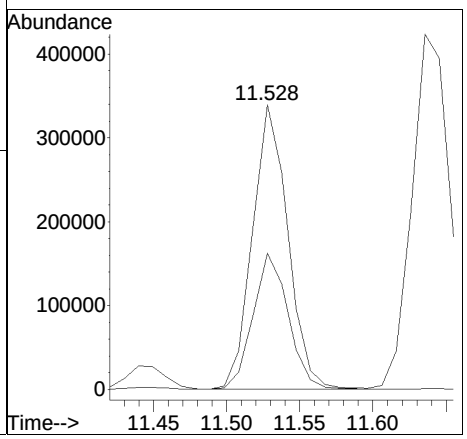


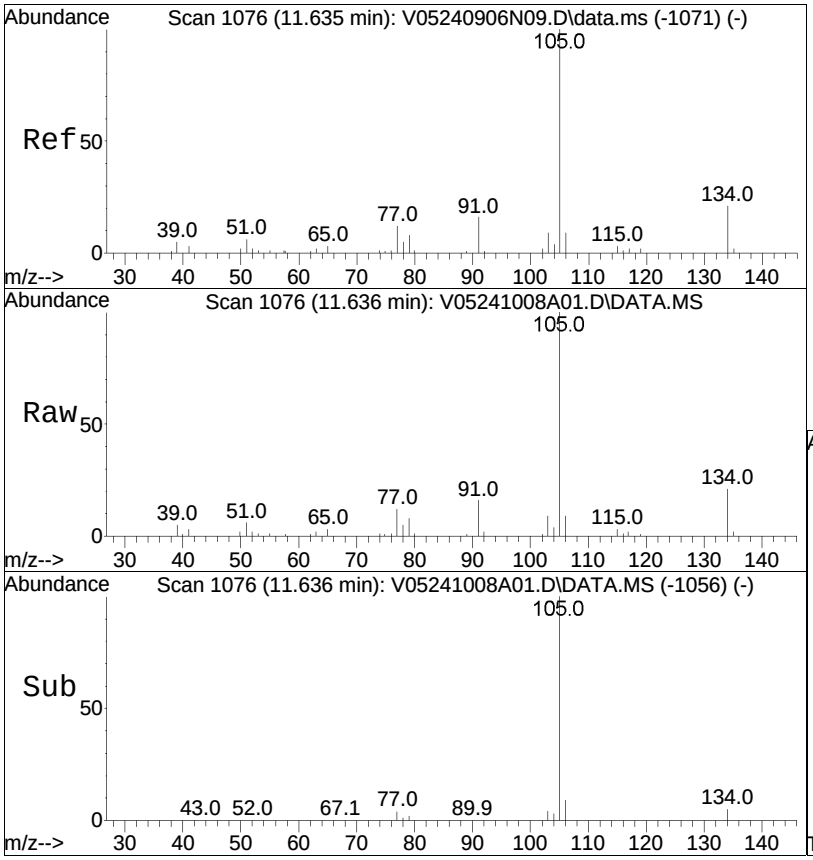


#97
1,2,4-Trimethylbenzene
Concen: 11.01 ug/L
RT: 11.528 min Scan# 1065
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:105 Resp: 570194

Ion	Ratio	Lower	Upper
105	100		
120	47.6	34.4	51.6

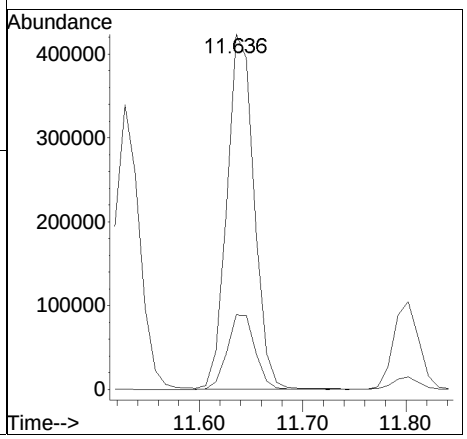


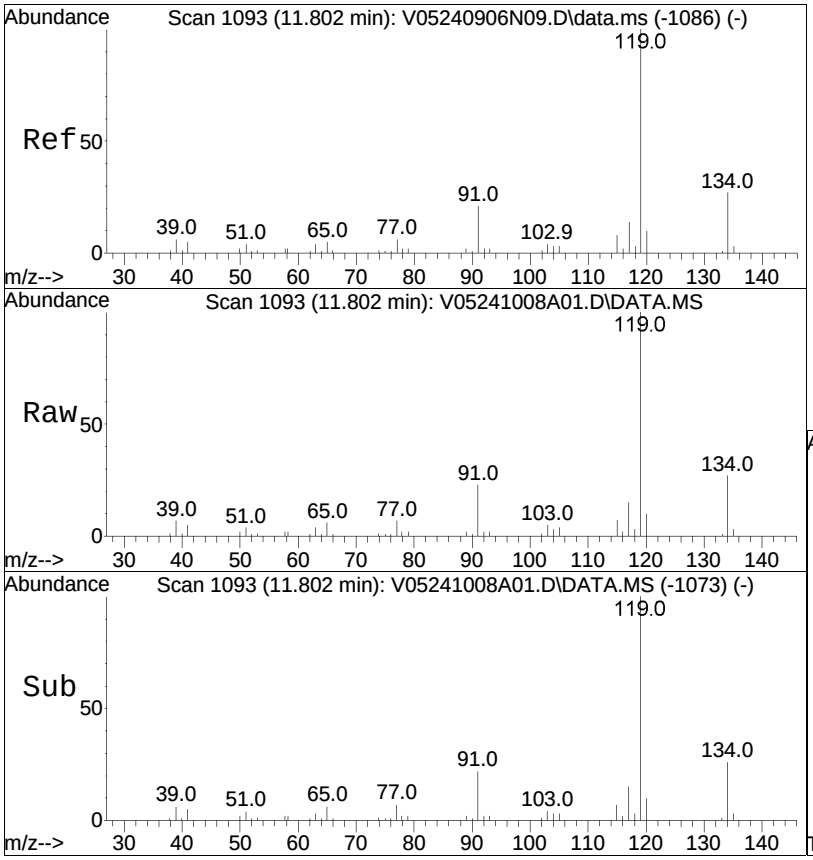


#98
sec-Butylbenzene
Concen: 11.14 ug/L
RT: 11.636 min Scan# 1076
Delta R.T. 0.001 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:105 Resp: 771469

Ion	Ratio	Lower	Upper
105	100		
134	21.7	12.9	26.9

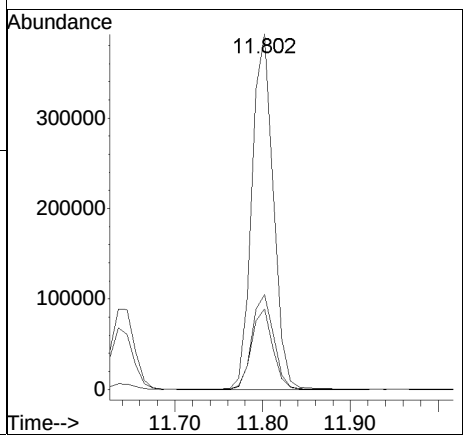


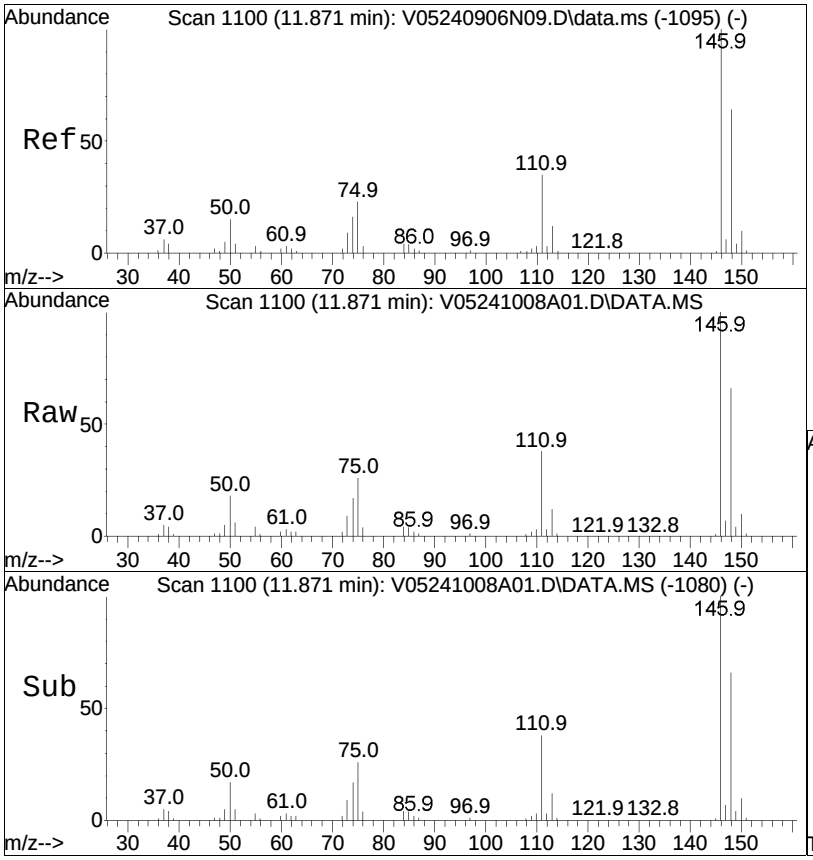


#99
p-Isopropyltoluene
Concen: 11.18 ug/L
RT: 11.802 min Scan# 1093
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:119 Resp: 667971

Ion	Ratio	Lower	Upper
119	100		
134	27.0	16.0	33.2
91	22.4	16.8	35.0

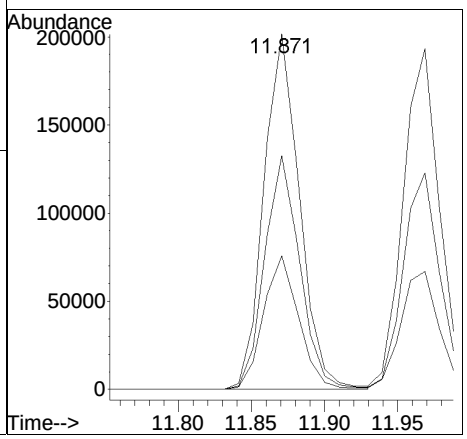


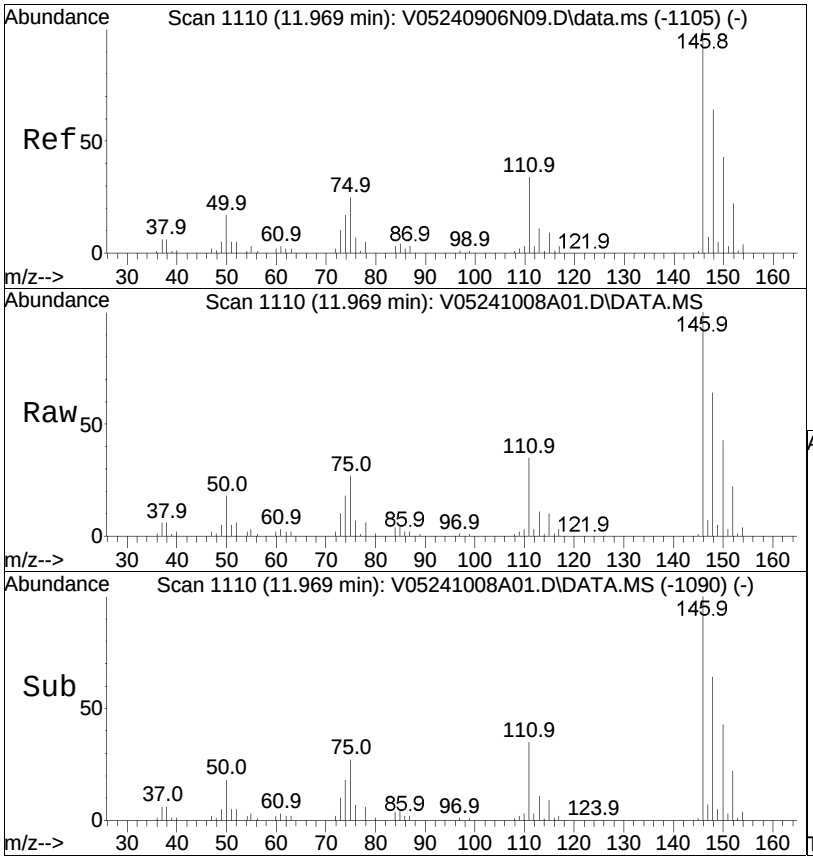


#100
1,3-Dichlorobenzene
Concen: 10.45 ug/L
RT: 11.871 min Scan# 1100
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:146 Resp: 341606

Ion	Ratio	Lower	Upper
146	100		
111	37.2	28.0	58.1
148	64.8	41.6	86.4

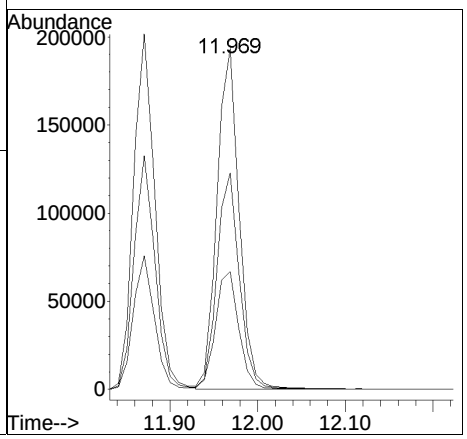


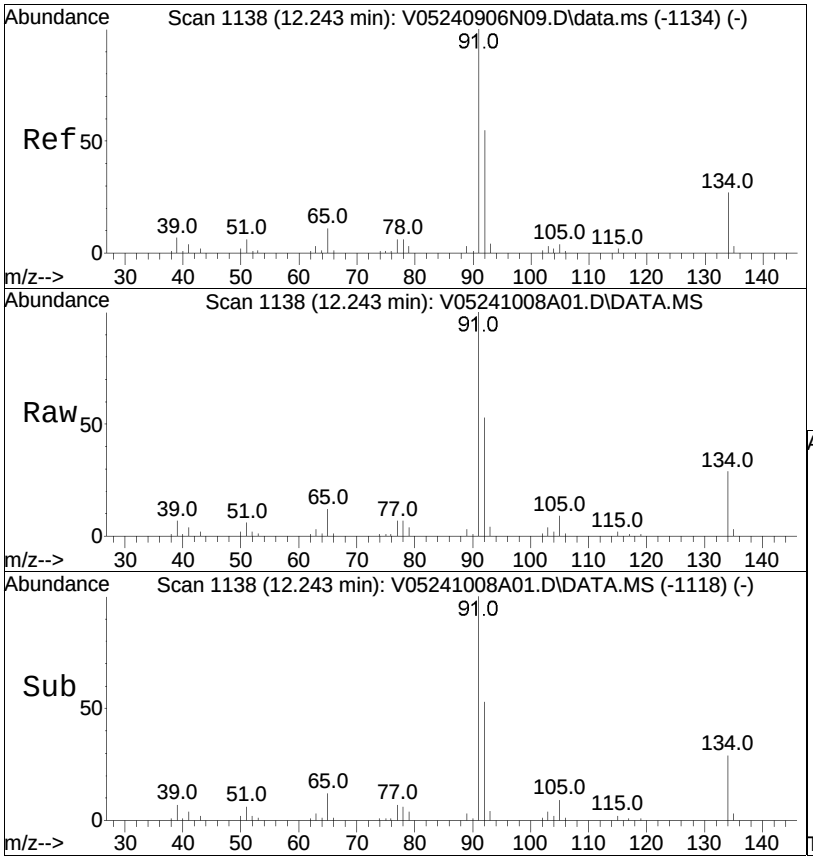


#101
1,4-Dichlorobenzene
Concen: 10.11 ug/L
RT: 11.969 min Scan# 1110
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:146 Resp: 339677

Ion	Ratio	Lower	Upper
146	100		
111	37.0	33.8	50.6
148	64.0	51.0	76.6

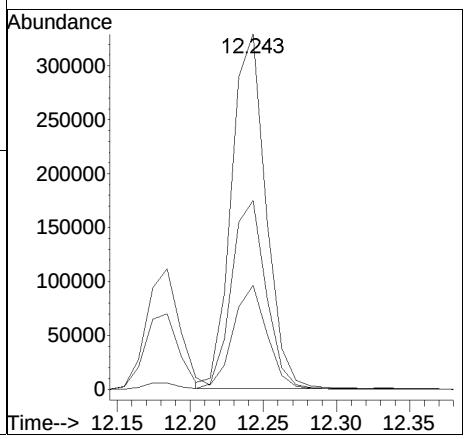


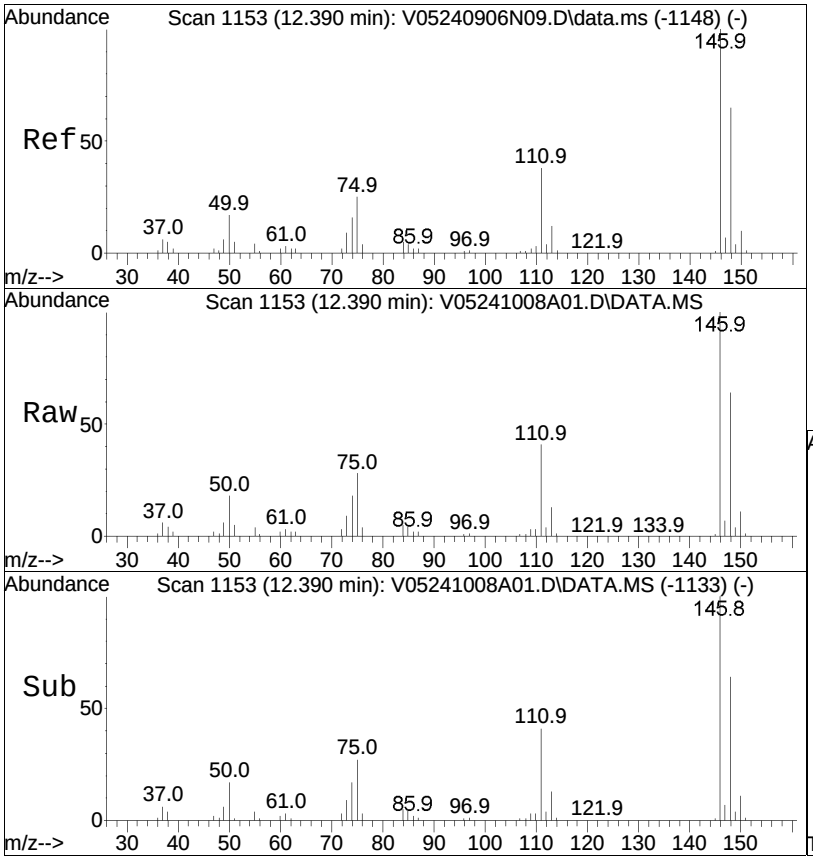


#103
n-Butylbenzene
Concen: 10.98 ug/L
RT: 12.243 min Scan# 1138
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion: 91 Resp: 539252

Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.2	66.2
134	28.4	20.2	30.2

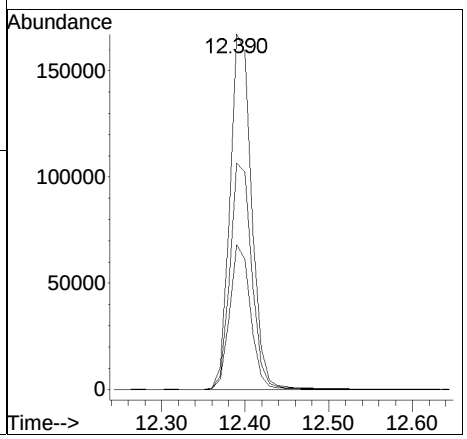


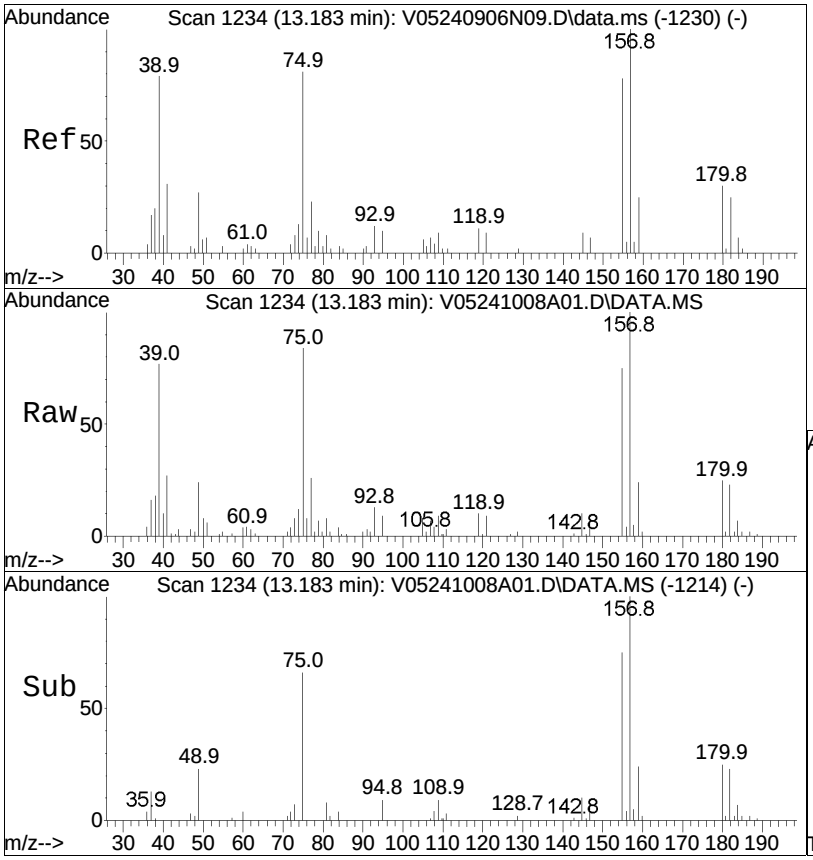


#104
1,2-Dichlorobenzene
Concen: 10.27 ug/L
RT: 12.390 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:146 Resp: 303174

Ion	Ratio	Lower	Upper
146	100		
111	39.3	29.1	60.5
148	63.7	41.7	86.7

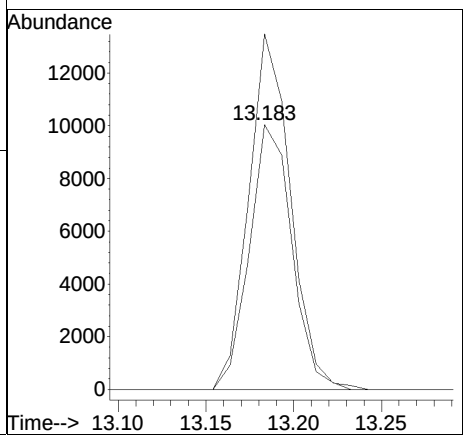


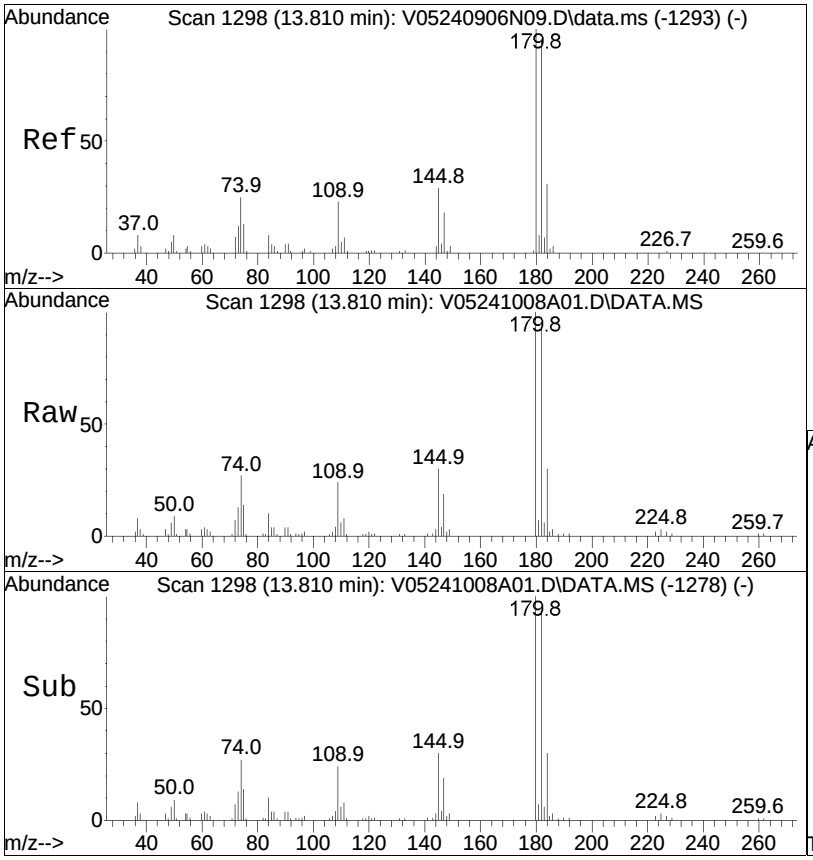


#106
1,2-Dibromo-3-chloropropane
Concen: 8.90 ug/L
RT: 13.183 min Scan# 1234
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:155 Resp: 16881

Ion	Ratio	Lower	Upper
155	100		
157	132.3	105.0	157.6

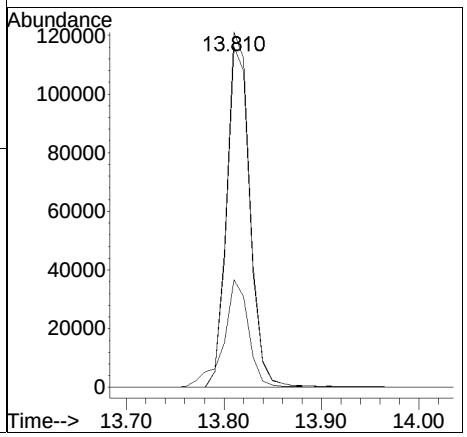


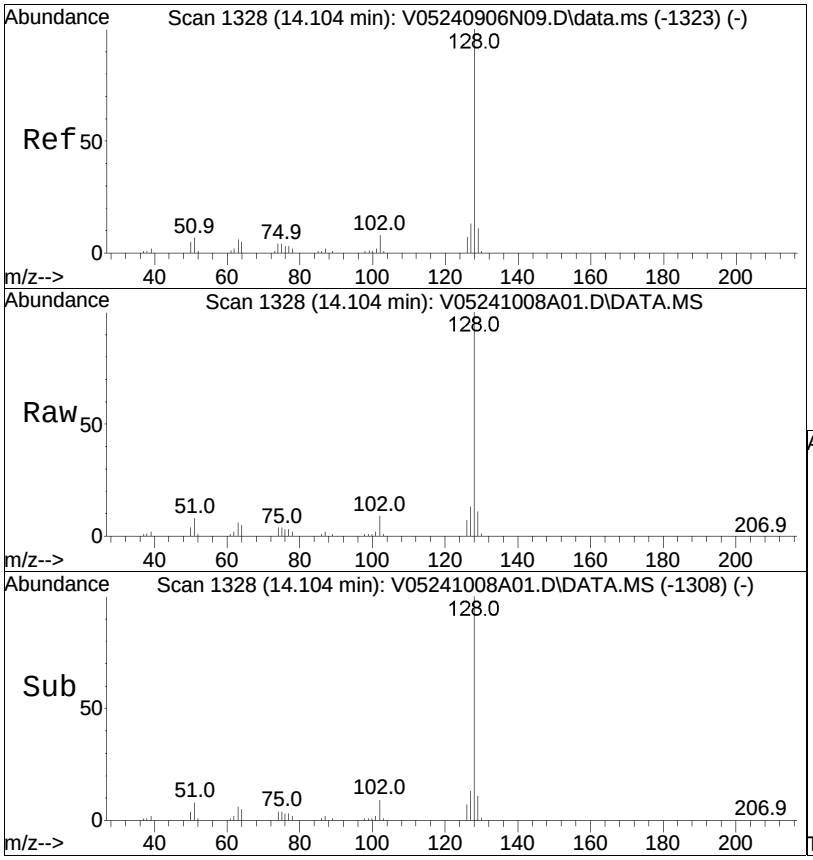


#109
1,2,4-Trichlorobenzene
Concen: 10.22 ug/L
RT: 13.810 min Scan# 1298
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:180 Resp: 201418

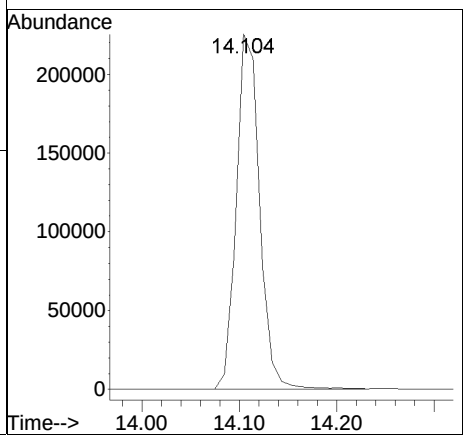
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.2	112.8
145	32.6	27.4	41.2





#110
Naphthalene
Concen: 9.48 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05241008A01.D
Acq: 8 Oct 2024 6:40 am

Tgt Ion:128 Resp: 375396



Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	452753	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.177	117	351916	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.949	152	226621	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	128870	10.185	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.85%			
43) 1,2-Dichloroethane-d4	5.410	65	144949	11.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.81%			
60) Toluene-d8	7.347	98	442025	10.400	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.00%			
83) 4-Bromofluorobenzene	10.705	95	164418	10.456	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.508	85	148148	11.178	ug/L	97
3) Chloromethane	1.674	50	109528	8.561	ug/L	96
4) Vinyl chloride	1.743	62	119390	10.725	ug/L	93
5) Bromomethane	2.026	94	18946	3.496	ug/L	99
6) Chloroethane	2.124	64	65294	8.398	ug/L	94
7) Trichlorofluoromethane	2.251	101	180489	10.774	ug/L	100
10) 1,1-Dichloroethene	2.711	96	84257	10.108	ug/L	90
11) Carbon disulfide	2.740	76	279485	10.893	ug/L	100
12) Freon-113	2.740	101	95585	10.428	ug/L #	75
15) Methylene chloride	3.249	84	109804	11.096	ug/L #	71
17) Acetone	3.317	43	17678	8.261	ug/L	98
18) trans-1,2-Dichloroethene	3.396	96	110004	11.165	ug/L	98
19) Methyl acetate	3.415	43	44263	9.431	ug/L #	79
20) Methyl tert-butyl ether	3.484	73	196176	9.042	ug/L #	83
23) 1,1-Dichloroethane	3.953	63	209953	11.699	ug/L	97
28) cis-1,2-Dichloroethene	4.462	96	120991	10.841	ug/L	99
31) Cyclohexane	4.638	56	214697	12.401	ug/L	77
32) Chloroform	4.726	83	199514	10.634	ug/L #	96
34) Carbon tetrachloride	4.833	117	183113	11.368	ug/L	98
37) 1,1,1-Trichloroethane	4.902	97	196964	11.261	ug/L	97
39) 2-Butanone	5.029	43	29692	9.127	ug/L #	66
41) Benzene	5.264	78	433860	11.374	ug/L	94
44) 1,2-Dichloroethane	5.479	62	137217	10.896	ug/L	98
47) Methyl cyclohexane	5.831	83	191267	10.934	ug/L #	77

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) Trichloroethene	5.851	95	118117	10.404	ug/L		90
51) 1,2-Dichloropropane	6.388	63	105383	11.064	ug/L	#	90
54) Bromodichloromethane	6.467	83	144527	10.360	ug/L		97
58) cis-1,3-Dichloropropene	7.151	75	155941	10.627	ug/L	#	82
61) Toluene	7.406	92	268141	10.854	ug/L		97
62) 4-Methyl-2-pentanone	7.846	58	18883	9.234	ug/L	#	64
63) Tetrachloroethene	7.846	166	149646	11.479	ug/L		89
65) trans-1,3-Dichloropropene	7.895	75	132091	10.990	ug/L	#	81
68) 1,1,2-Trichloroethane	8.081	83	64925	10.622	ug/L		97
69) Chlorodibromomethane	8.286	129	106698	10.237	ug/L		98
71) 1,2-Dibromoethane	8.560	107	81357	9.886	ug/L		96
72) 2-Hexanone	8.853	43	35477	8.700	ug/L	#	84
73) Chlorobenzene	9.196	112	302845	10.370	ug/L		89
74) Ethylbenzene	9.236	91	530989	10.763	ug/L		94
76) p/m Xylene	9.422	106	421169	22.107	ug/L		86
77) o Xylene	9.960	106	392602	21.753	ug/L		86
78) Styrene	10.039	104	632611	21.183	ug/L		90
80) Bromoform	10.068	173	61895	9.219	ug/L		97
82) Isopropylbenzene	10.362	105	562622	10.734	ug/L		96
85) n-Propylbenzene	10.862	91	657632	10.738	ug/L		94
87) 1,1,2,2-Tetrachloroethane	10.979	83	83408	9.163	ug/L		99
90) 1,3,5-Trimethylbenzene	11.097	105	476672	10.585	ug/L		93
94) tert-Butylbenzene	11.449	119	417635	10.591	ug/L		96
97) 1,2,4-Trimethylbenzene	11.528	105	452207	10.485	ug/L		93
98) sec-Butylbenzene	11.636	105	616159	10.679	ug/L		96
99) p-Isopropyltoluene	11.802	119	532008	10.695	ug/L		94
100) 1,3-Dichlorobenzene	11.871	146	276066	10.140	ug/L		95
101) 1,4-Dichlorobenzene	11.969	146	278028	9.936	ug/L		95
103) n-Butylbenzene	12.243	91	435255	10.643	ug/L		96
104) 1,2-Dichlorobenzene	12.390	146	249391	10.141	ug/L		95
106) 1,2-Dibromo-3-chloropr...	13.183	155	13462	8.541	ug/L		97
109) 1,2,4-Trichlorobenzene	13.810	180	161705	9.854	ug/L		97
110) Naphthalene	14.104	128	271902	8.296	ug/L		100

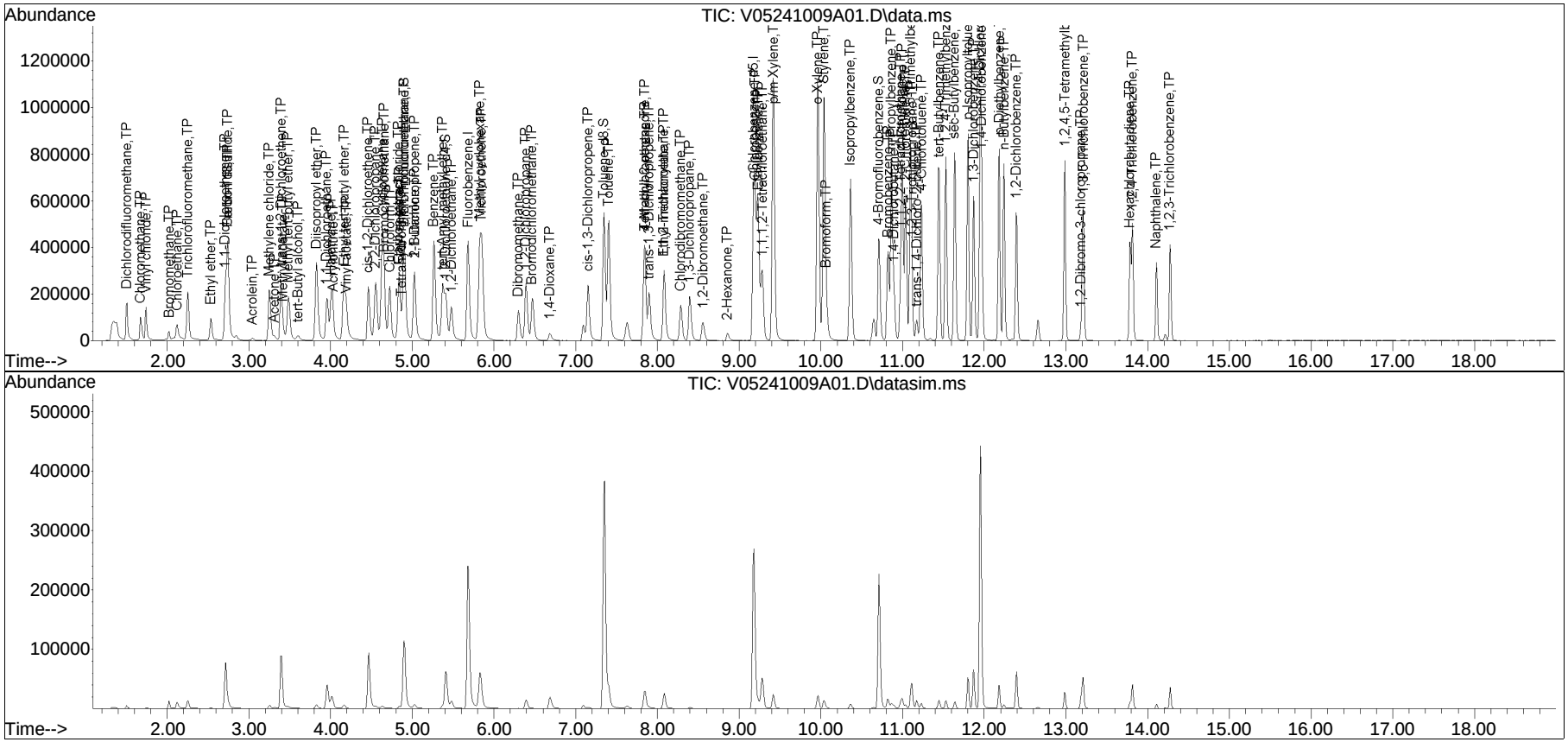
(#) = qualifier out of range (m) = manual integration (+) = signals summed

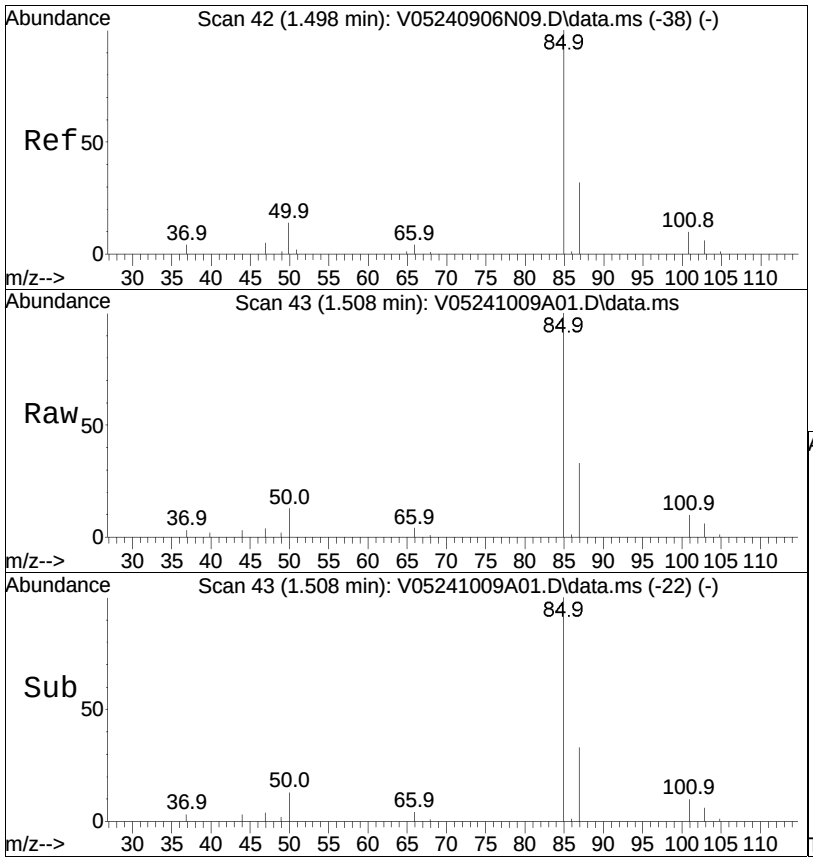
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

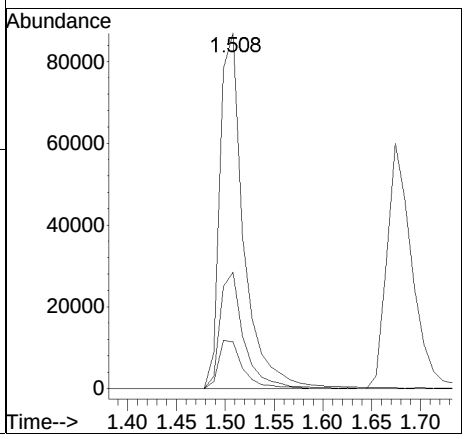


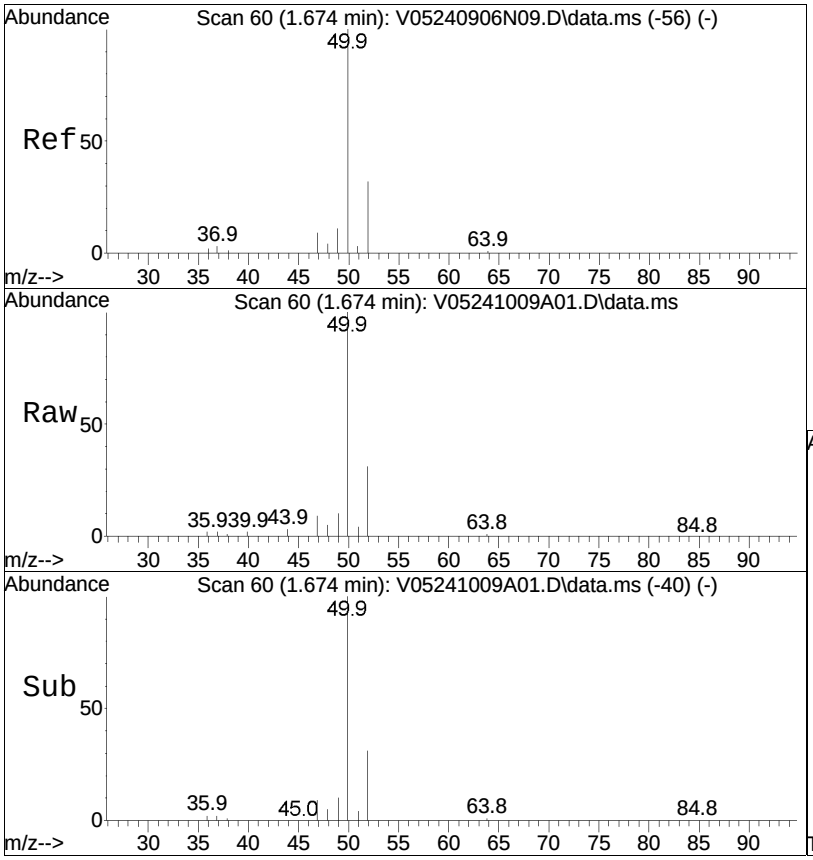


#2
Dichlorodifluoromethane
Concen: 11.18 ug/L
RT: 1.508 min Scan# 43
Delta R.T. 0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 85 Resp: 148148

Ion	Ratio	Lower	Upper
85	100		
87	32.7	20.9	43.5
50	13.7	6.8	14.0

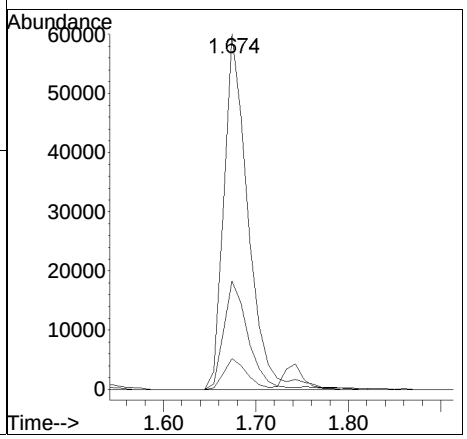


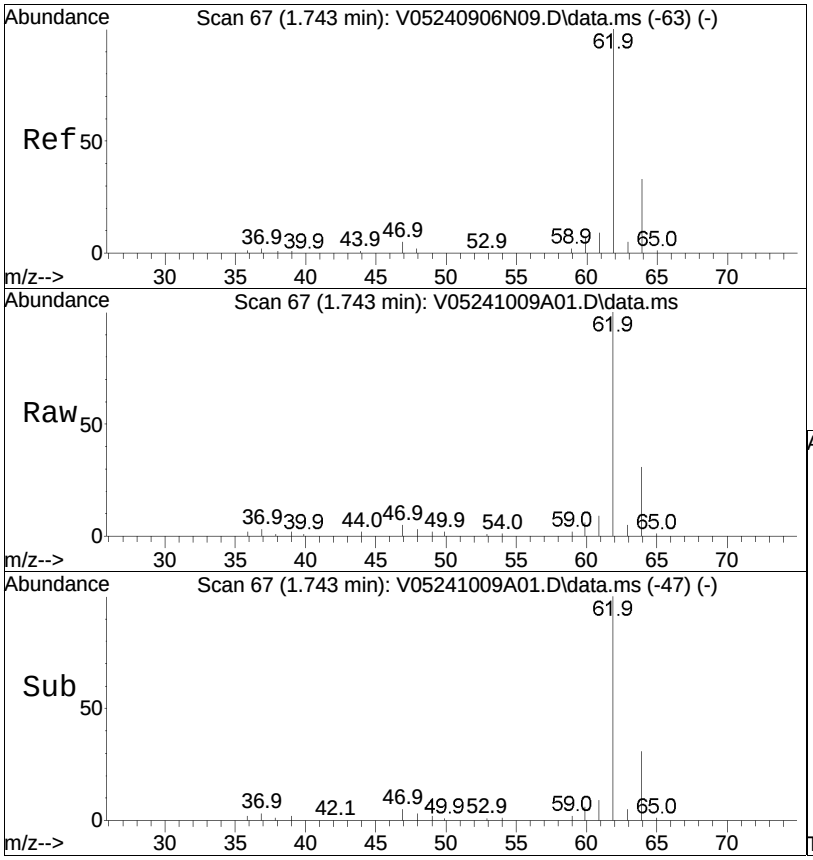


#3
Chloromethane
Concen: 8.56 ug/L
RT: 1.674 min Scan# 60
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 50 Resp: 109528

Ion	Ratio	Lower	Upper
50	100		
52	30.4	12.6	52.6
47	8.2	0.0	30.1

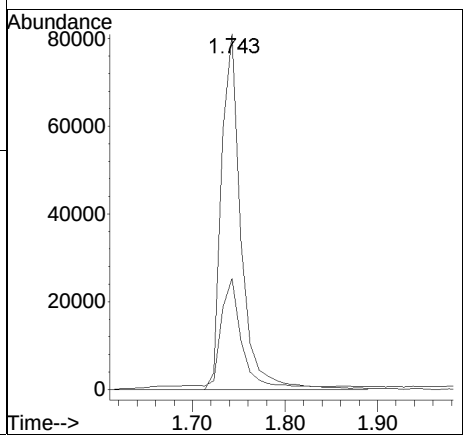


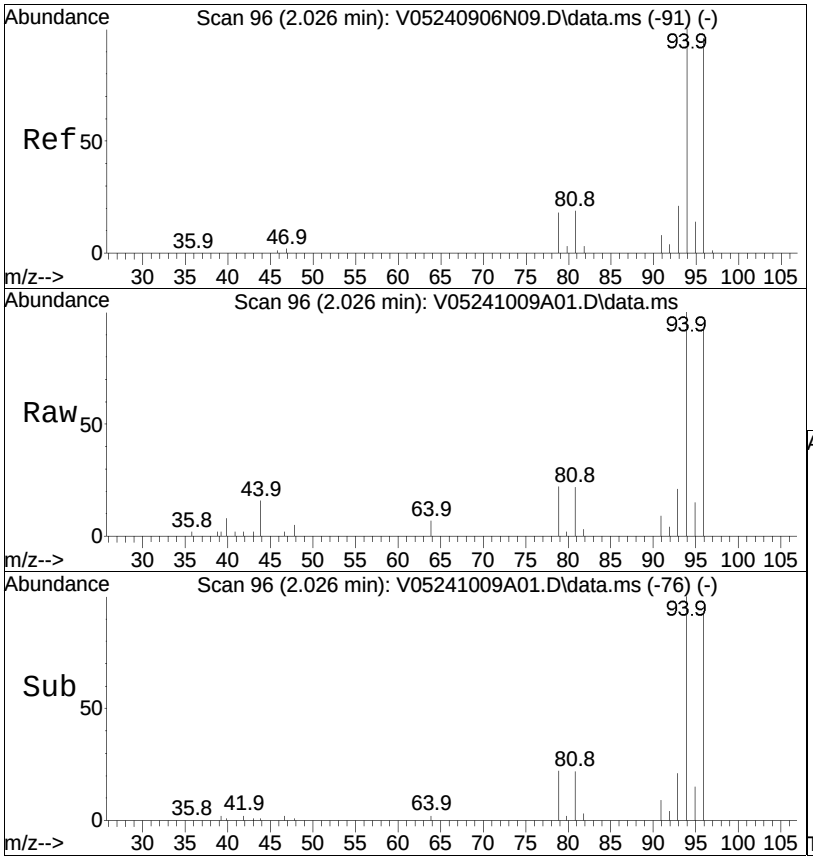


#4
Vinyl chloride
Concen: 10.73 ug/L
RT: 1.743 min Scan# 67
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 62 Resp: 119390

Ion	Ratio	Lower	Upper
62	100		
64	37.5	13.5	53.5

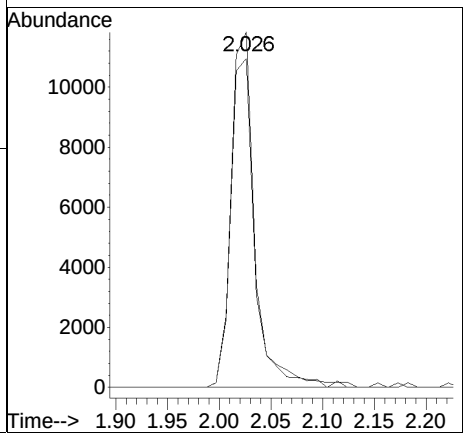


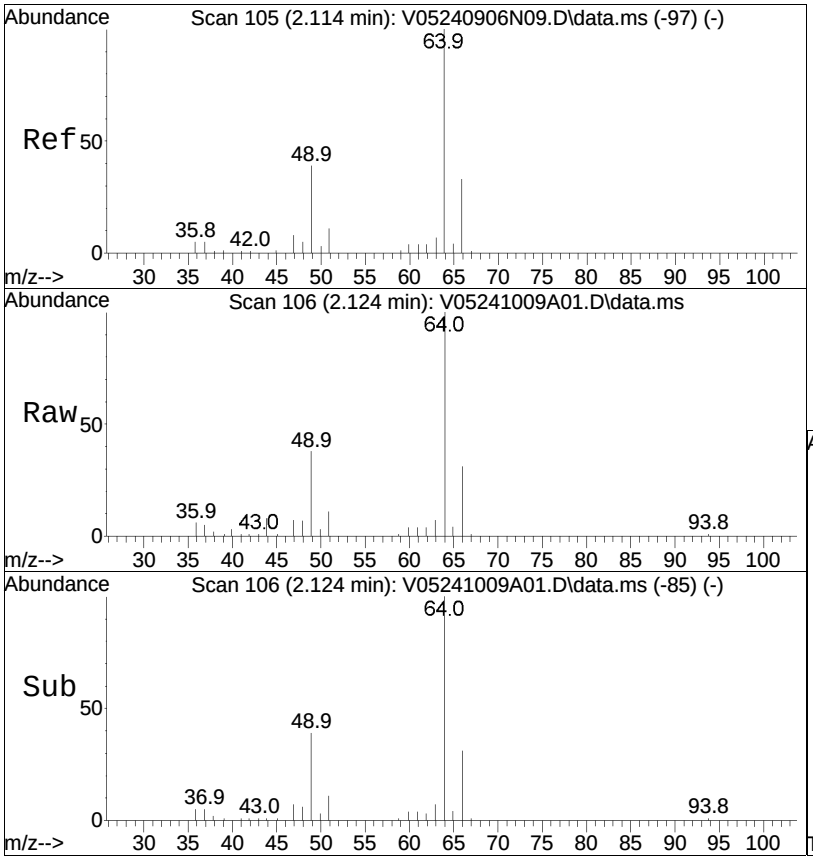


#5
Bromomethane
Concen: 3.50 ug/L
RT: 2.026 min Scan# 96
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 94 Resp: 18946

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.4	115.4

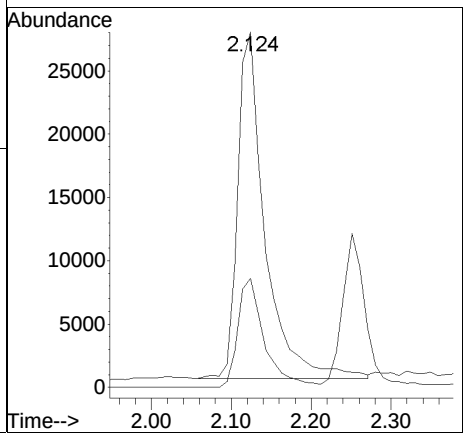


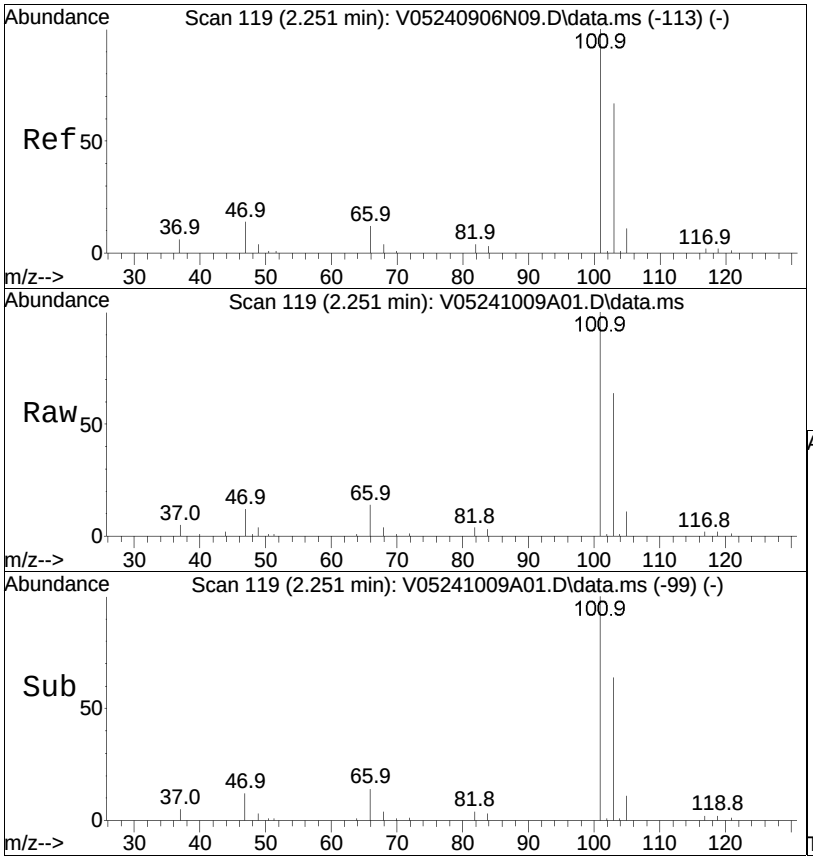


#6
Chloroethane
Concen: 8.40 ug/L
RT: 2.124 min Scan# 106
Delta R.T. 0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 64 Resp: 65294

Ion	Ratio	Lower	Upper
64	100		
66	30.5	13.8	53.8

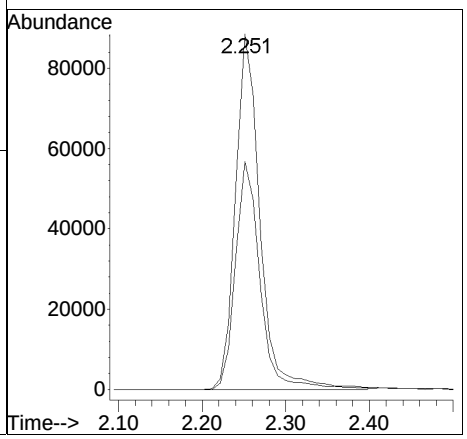


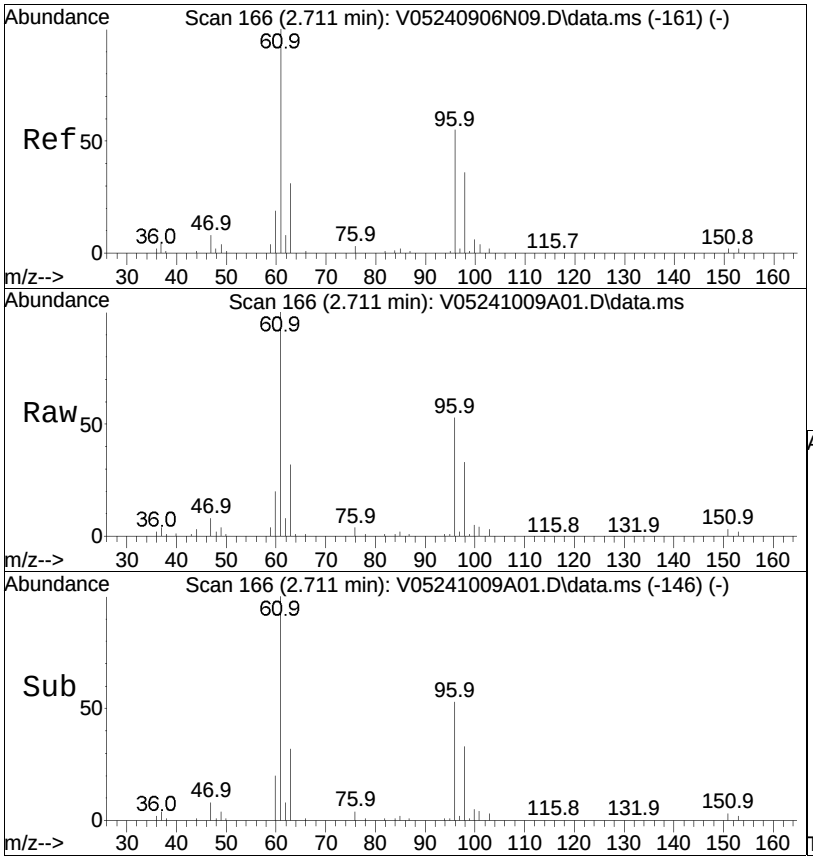


#7
Trichlorofluoromethane
Concen: 10.77 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:101 Resp: 180489

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6

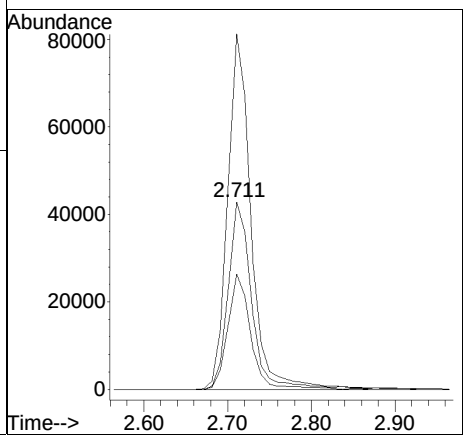


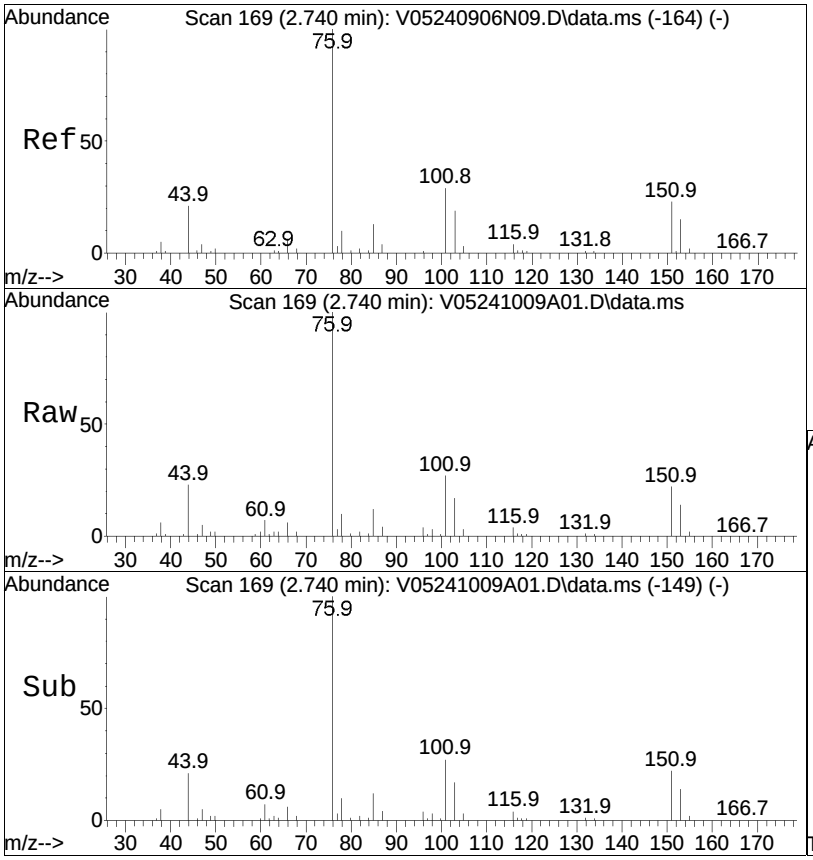


#10
1,1-Dichloroethene
Concen: 10.11 ug/L
RT: 2.711 min Scan# 166
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 96 Resp: 84257

Ion	Ratio	Lower	Upper
96	100		
61	188.0	136.7	205.1
63	59.7	45.0	67.6

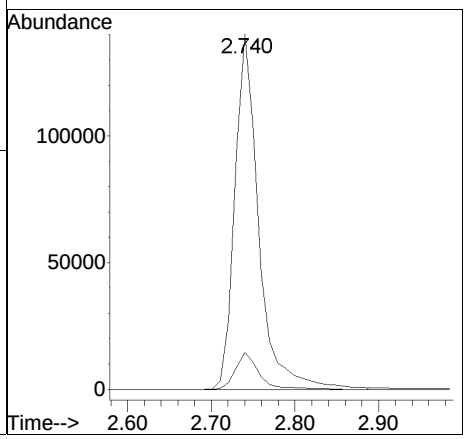


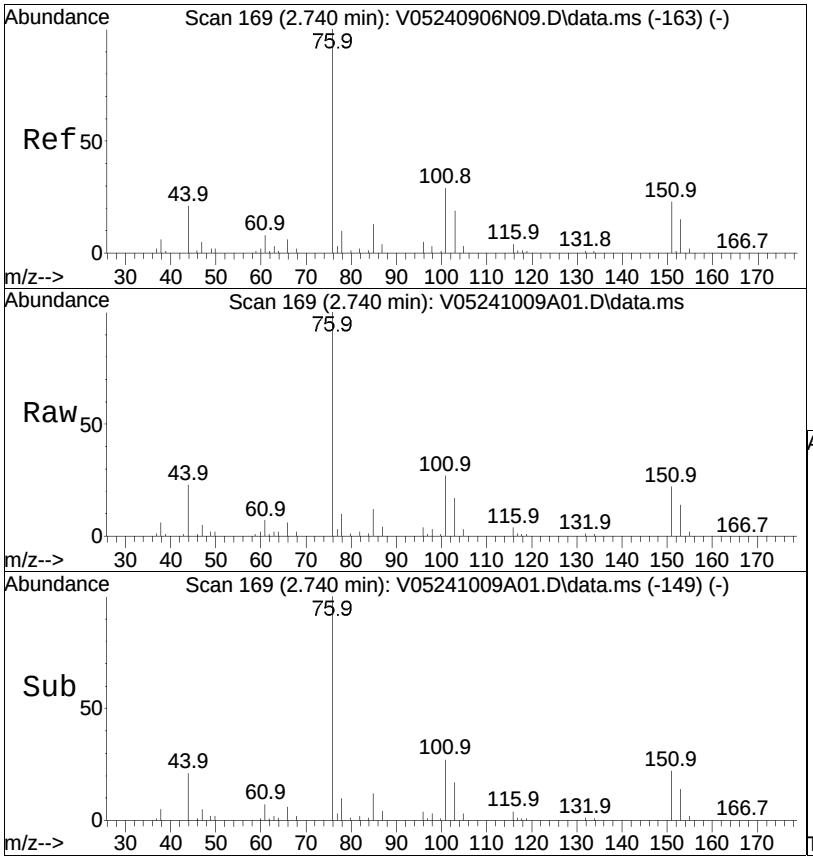


#11
Carbon disulfide
Concen: 10.89 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 76 Resp: 279485

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.7	13.9

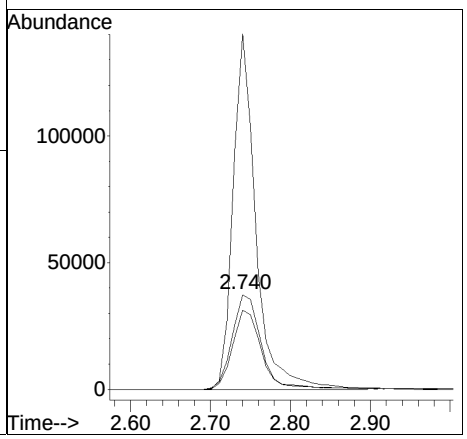


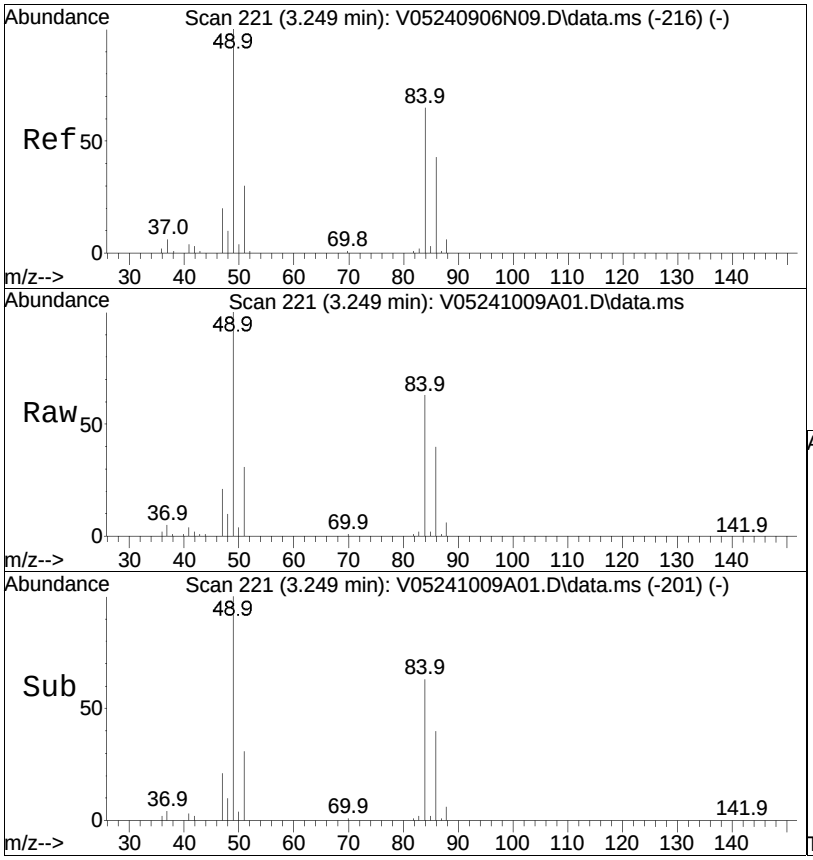


#12
Freon-113
Concen: 10.43 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:101 Resp: 95585

Ion	Ratio	Lower	Upper
101	100		
151	83.7	65.0	97.6
76	292.4	190.0	285.0#

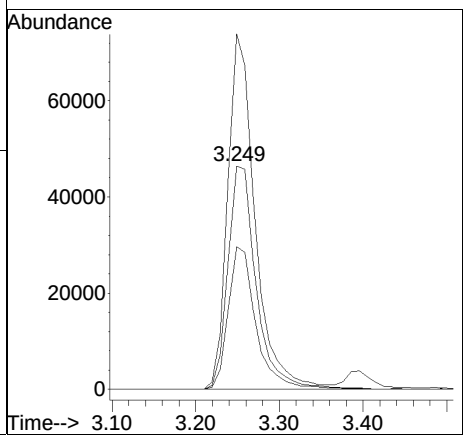


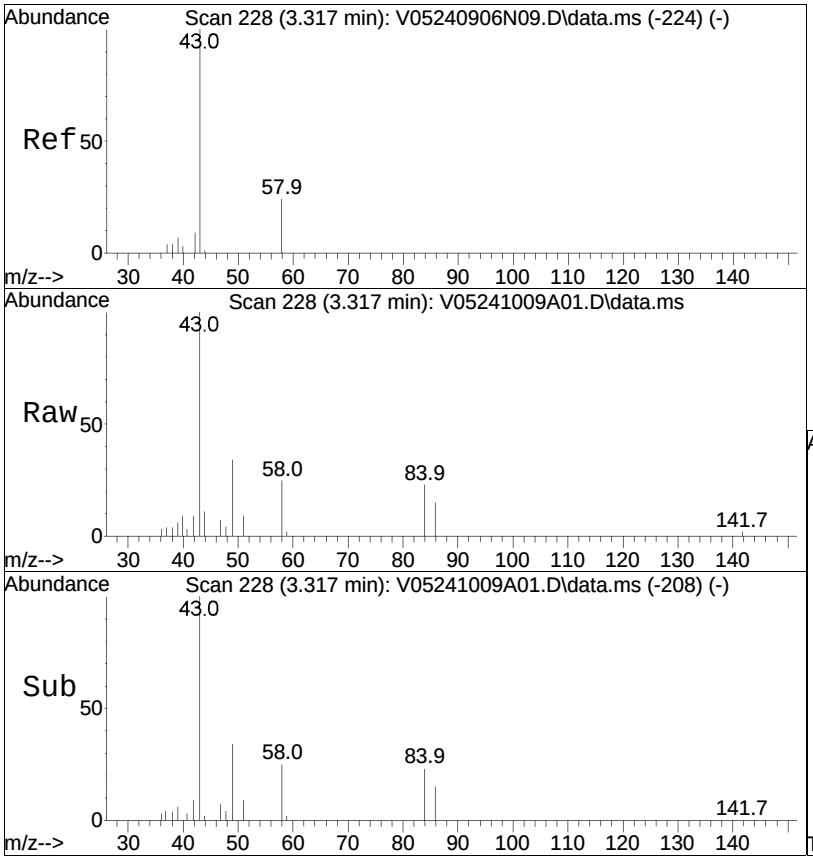


#15
Methylene chloride
Concen: 11.10 ug/L
RT: 3.249 min Scan# 221
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 84 Resp: 109804

Ion	Ratio	Lower	Upper
84	100		
86	62.8	42.1	87.5
49	152.9	69.3	143.9#

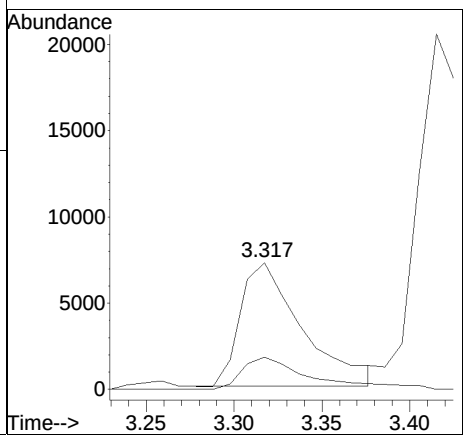


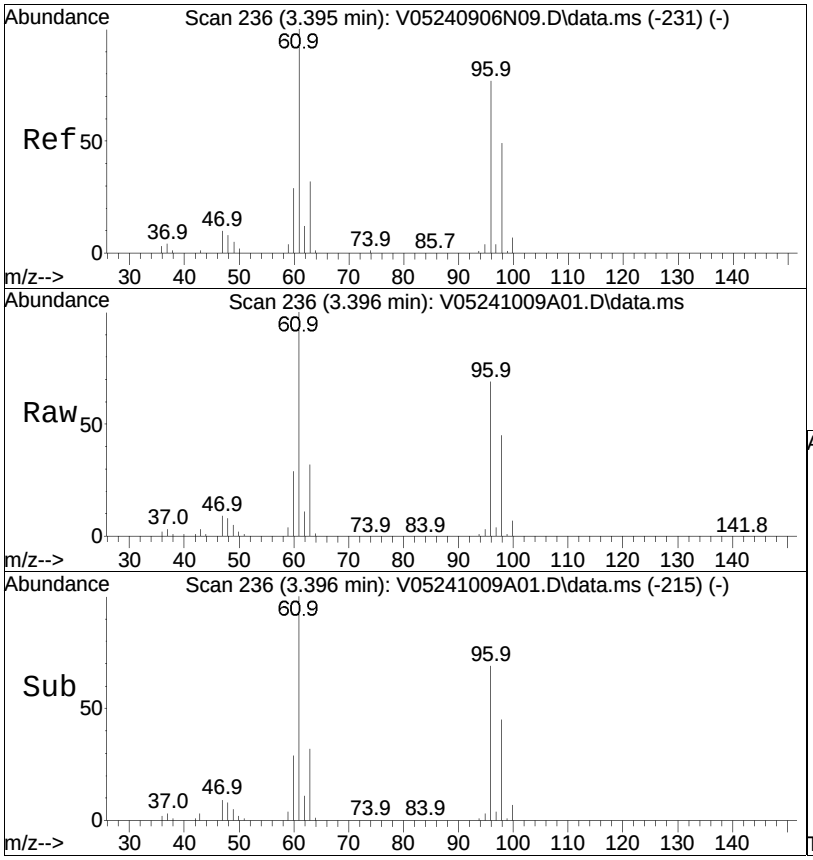


#17
Acetone
Concen: 8.26 ug/L
RT: 3.317 min Scan# 228
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 43 Resp: 17678

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.0	33.0

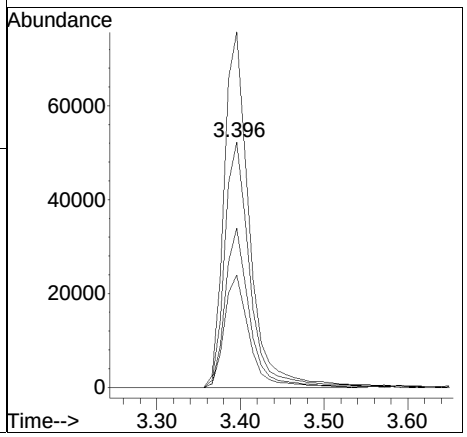


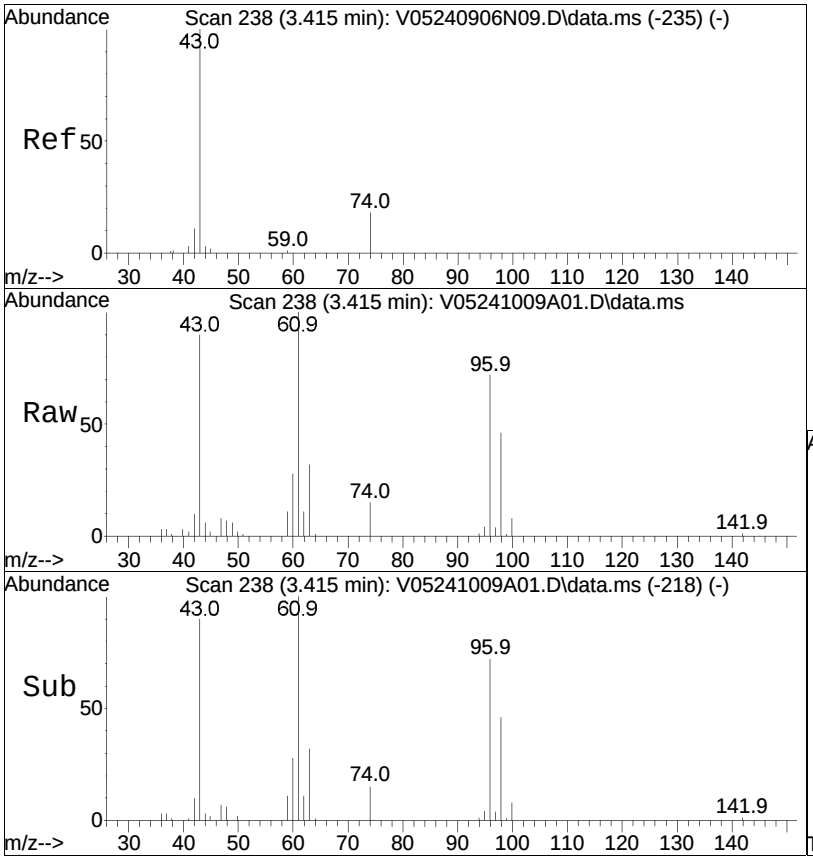


#18
trans-1,2-Dichloroethene
Concen: 11.16 ug/L
RT: 3.396 min Scan# 236
Delta R.T. 0.001 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 96 Resp: 110004

Ion	Ratio	Lower	Upper
96	100		
61	144.9	91.7	190.5
98	62.9	41.1	85.5
63	45.3	29.4	61.0

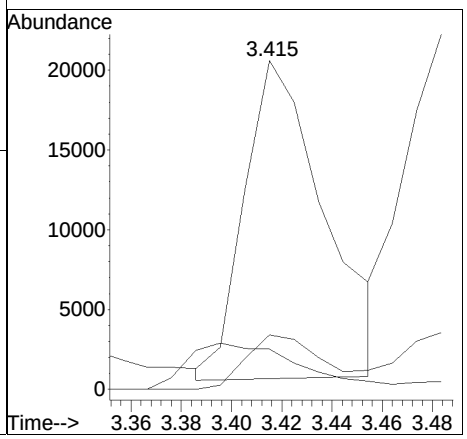


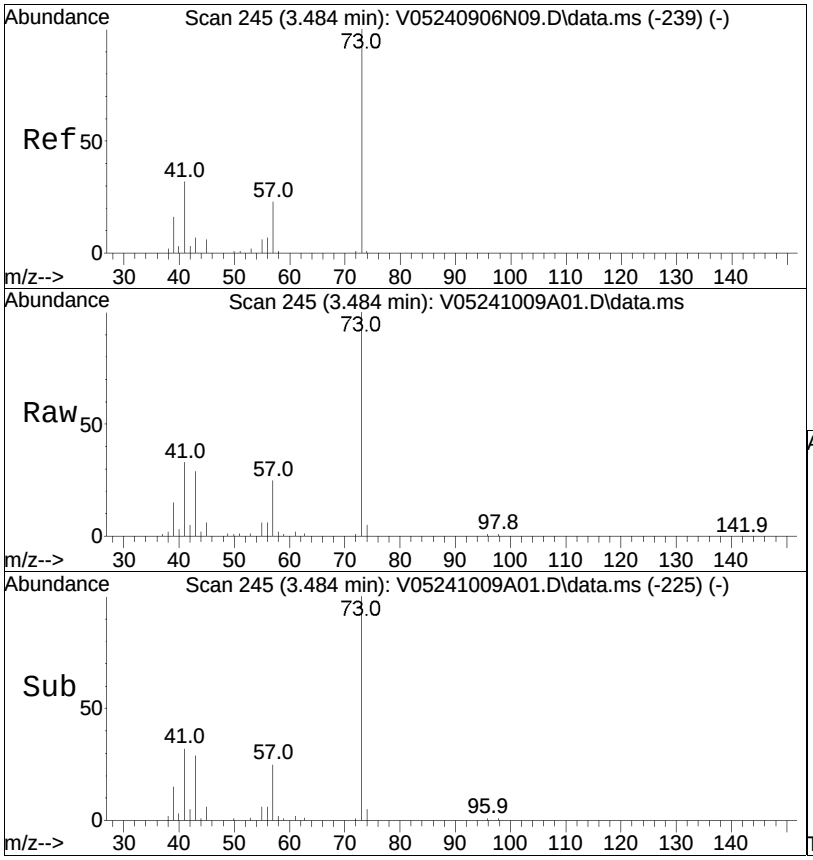


#19
Methyl acetate
Concen: 9.43 ug/L
RT: 3.415 min Scan# 238
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 43 Resp: 44263

Ion	Ratio	Lower	Upper
43	100		
74	15.7	23.1	34.7#
59	20.5	23.9	35.9#

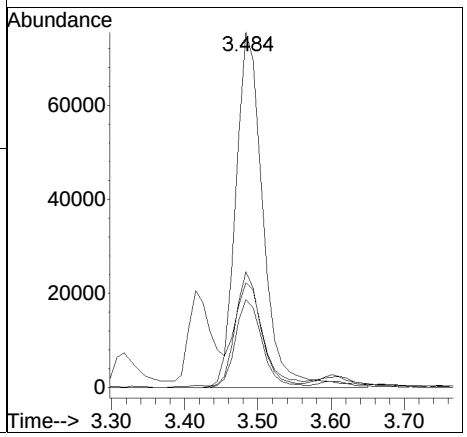


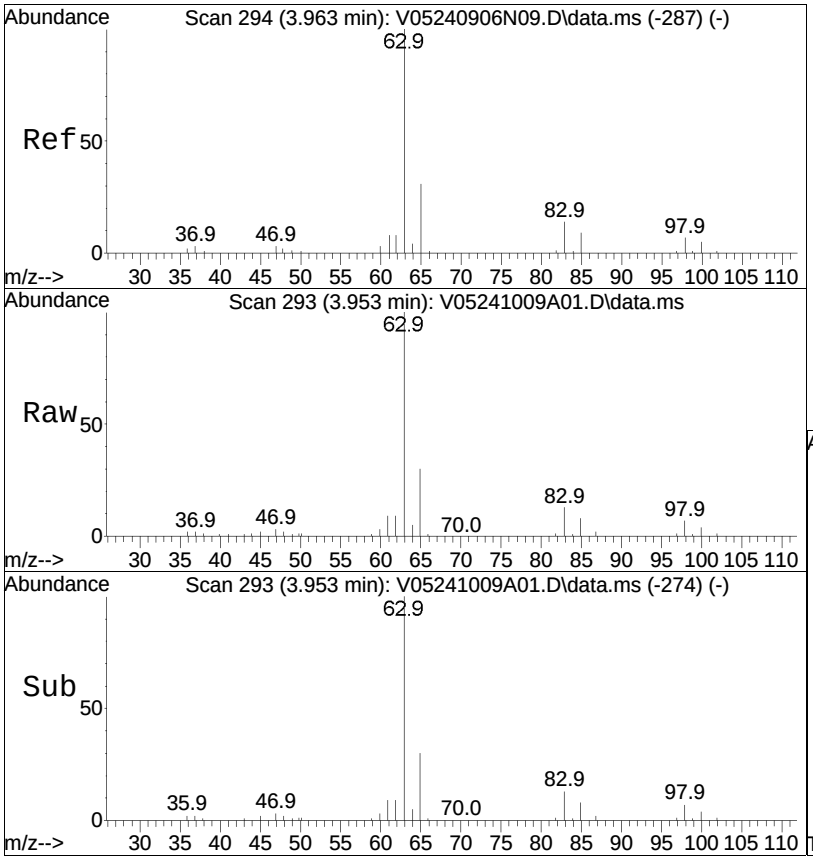


#20
Methyl tert-butyl ether
Concen: 9.04 ug/L
RT: 3.484 min Scan# 245
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 73 Resp: 196176

Ion	Ratio	Lower	Upper
73	100		
57	24.3	11.8	24.6
43	27.1	13.5	27.9
41	31.4	13.3	27.5#

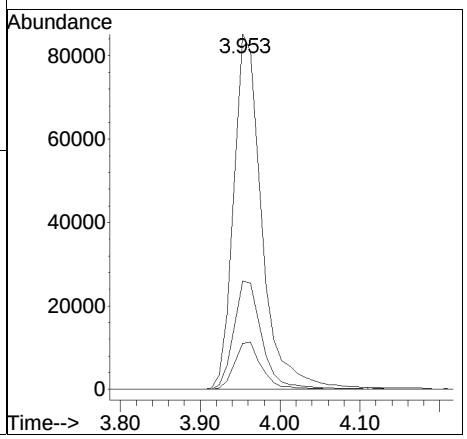


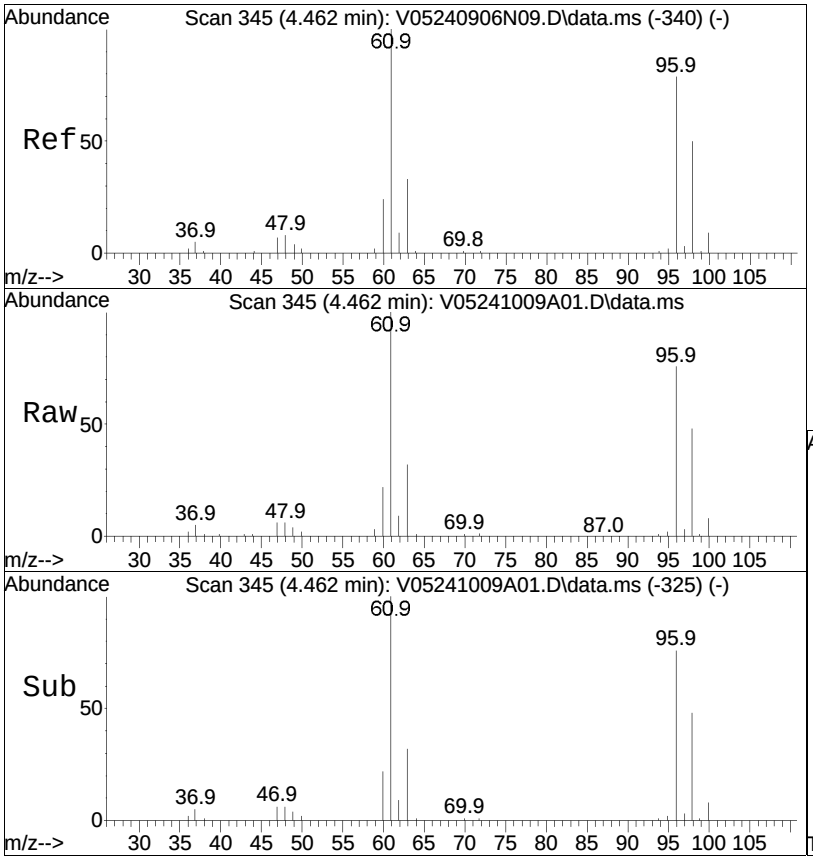


#23
1,1-Dichloroethane
Concen: 11.70 ug/L
RT: 3.953 min Scan# 293
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 63 Resp: 209953

Ion	Ratio	Lower	Upper
63	100		
65	30.6	11.9	51.9
83	12.8	0.0	34.2

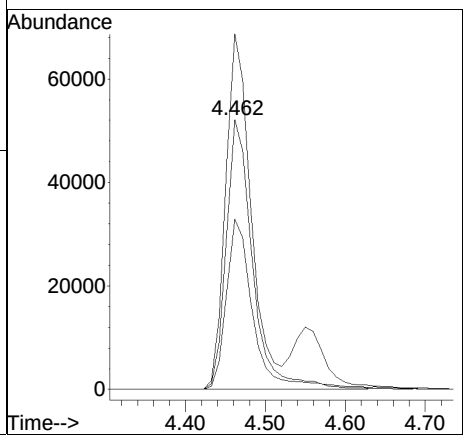


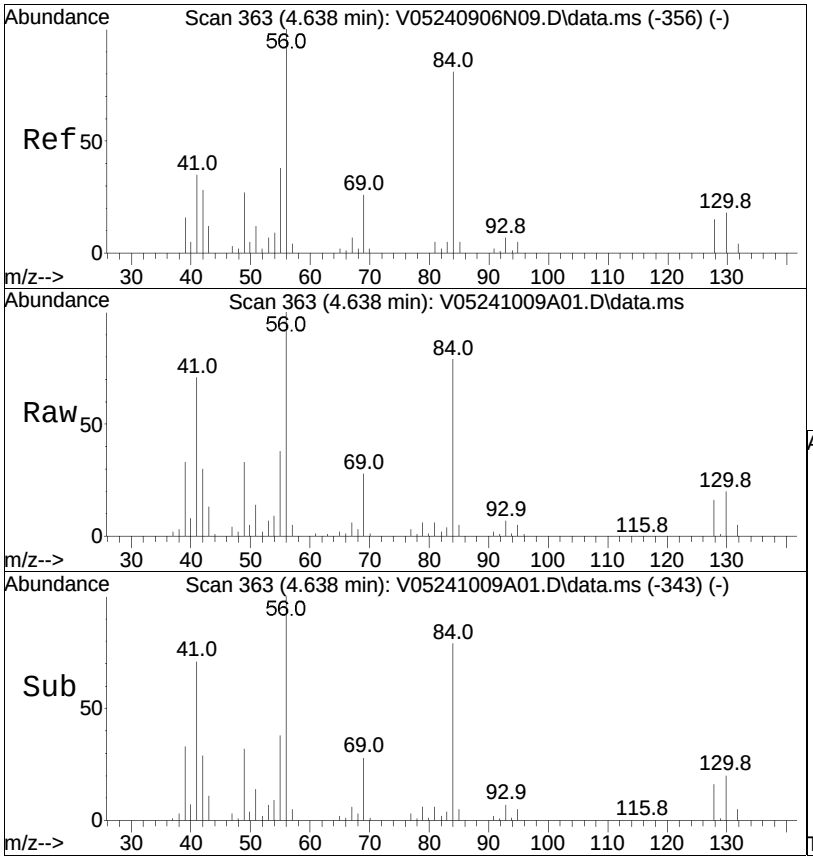


#28
cis-1,2-Dichloroethene
Concen: 10.84 ug/L
RT: 4.462 min Scan# 345
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 96 Resp: 120991

Ion	Ratio	Lower	Upper
96	100		
61	125.7	100.5	150.7
98	63.6	49.8	74.8

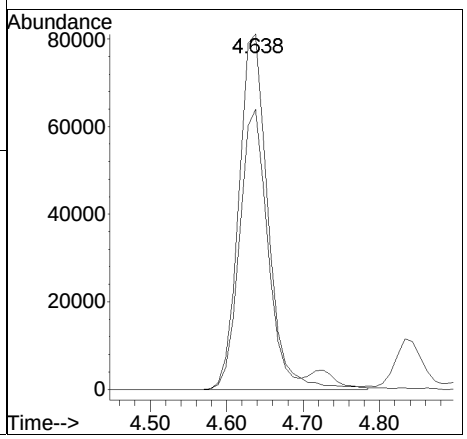


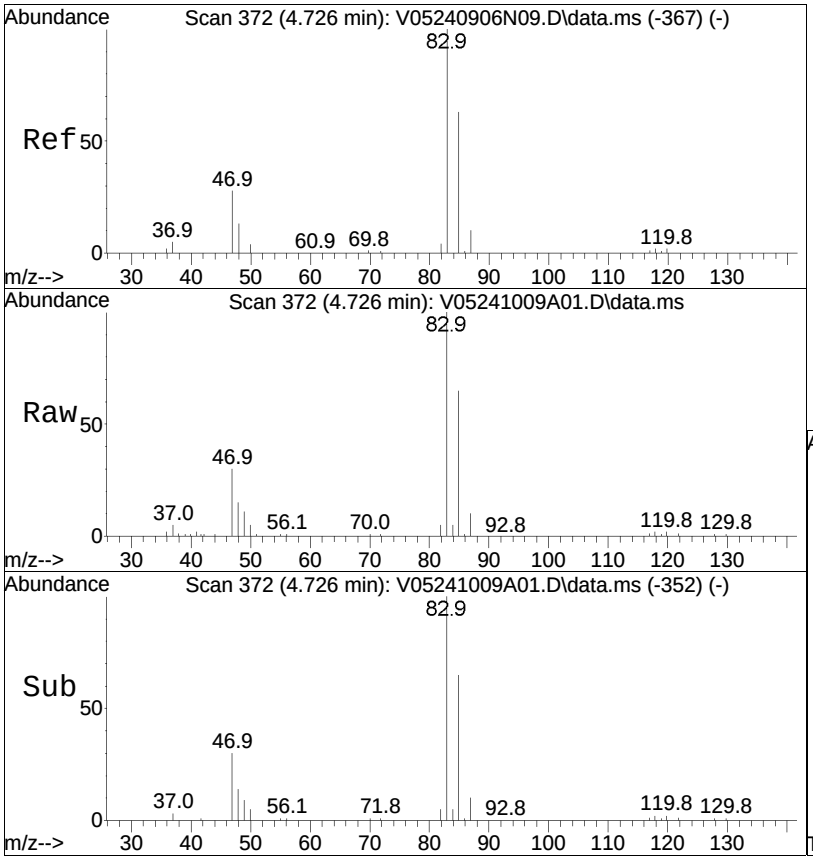


#31
Cyclohexane
Concen: 12.40 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 56 Resp: 214697

Ion	Ratio	Lower	Upper
56	100		
84	76.1	64.4	133.8

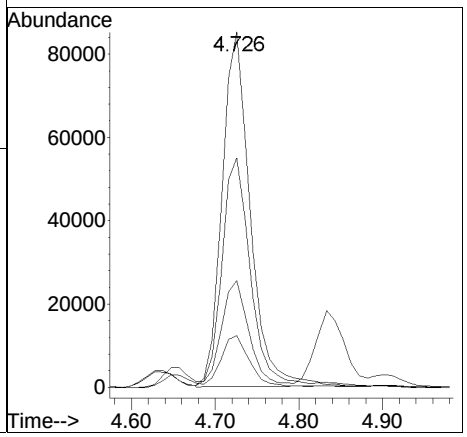


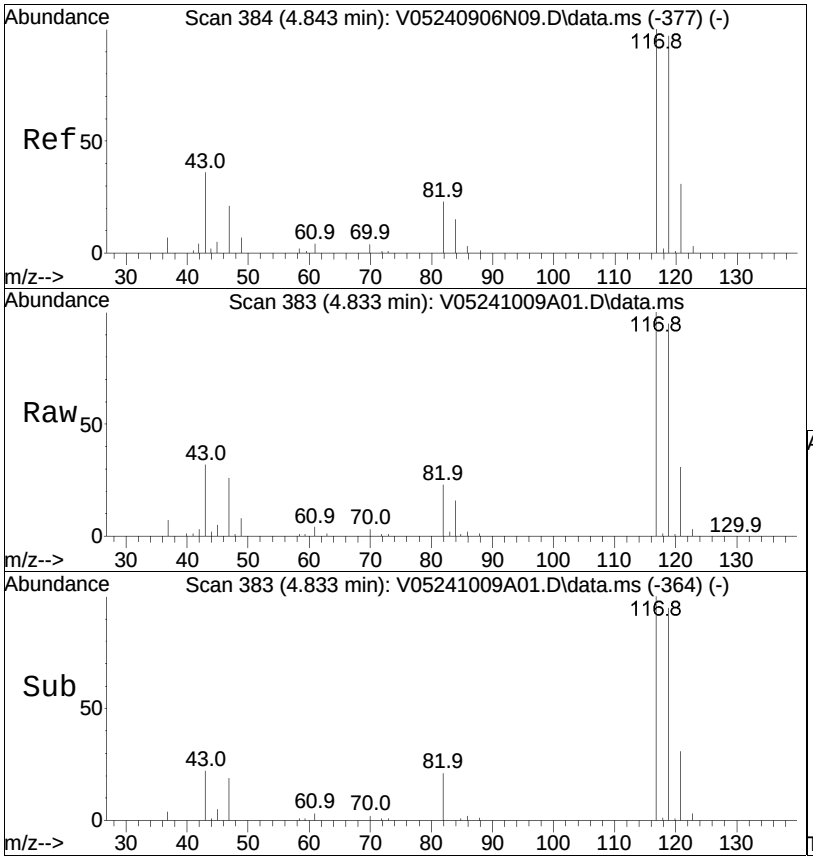


#32
Chloroform
Concen: 10.63 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 199514

Ion	Ratio	Lower	Upper
83	100		
85	65.8	42.8	89.0
47	27.3	13.7	28.4
48	14.3	6.9	14.3#

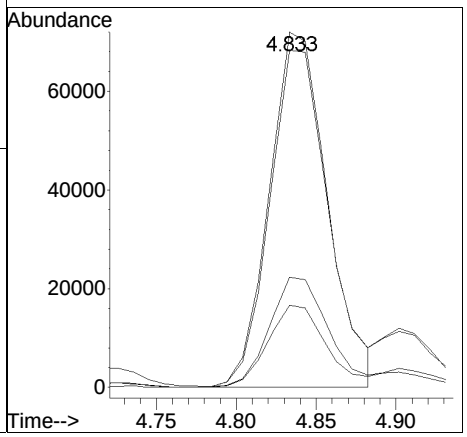


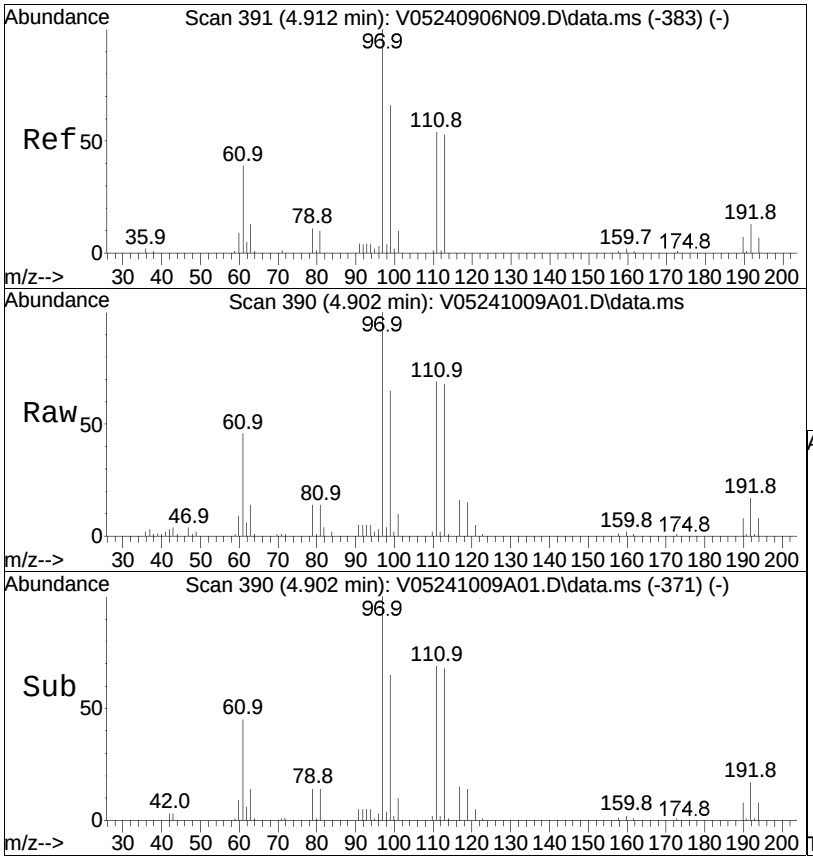


#34
Carbon tetrachloride
Concen: 11.37 ug/L
RT: 4.833 min Scan# 383
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:117 Resp: 183113

Ion	Ratio	Lower	Upper
117	100		
119	95.6	63.6	132.2
121	31.2	19.8	41.0
82	22.6	15.9	32.9

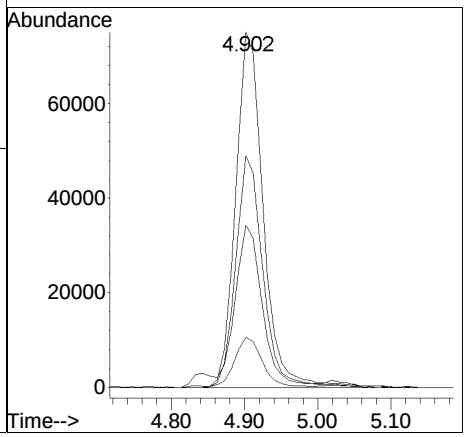


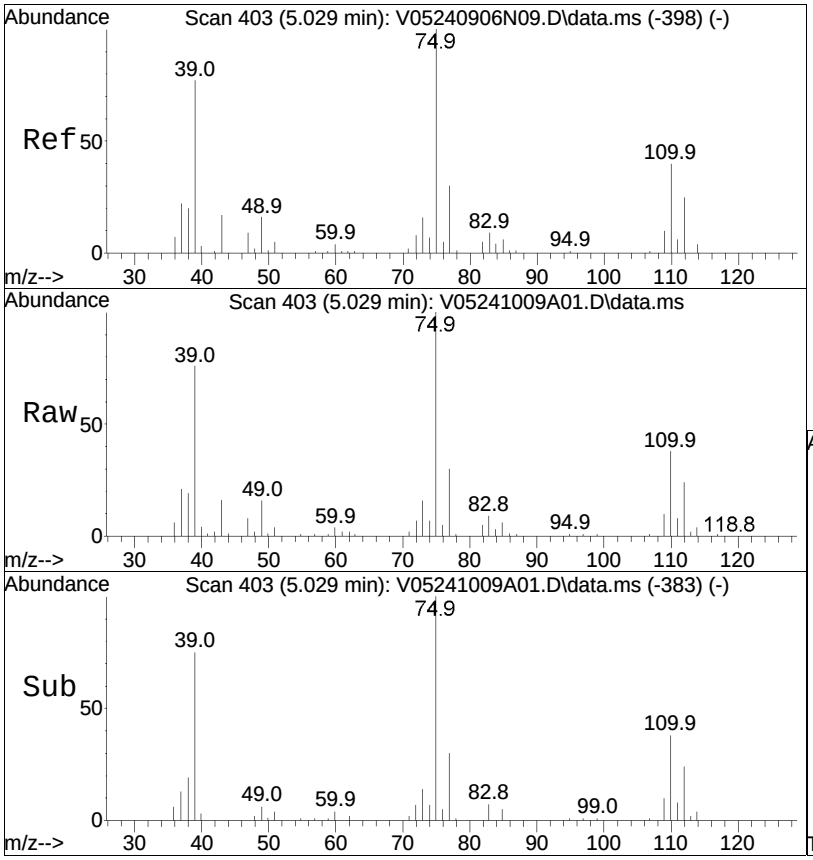


#37
1,1,1-Trichloroethane
Concen: 11.26 ug/L
RT: 4.902 min Scan# 390
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 97 Resp: 196964

Ion	Ratio	Lower	Upper
97	100		
99	64.4	41.7	86.5
61	44.5	26.1	54.3
63	14.5	8.5	17.6

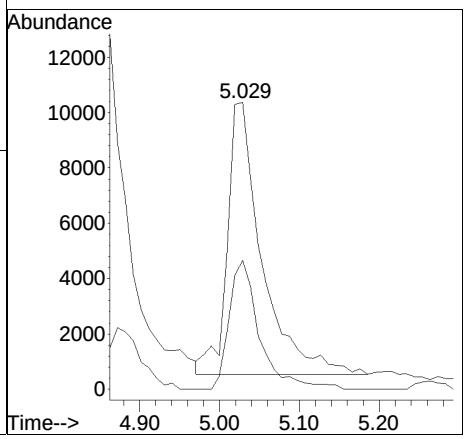


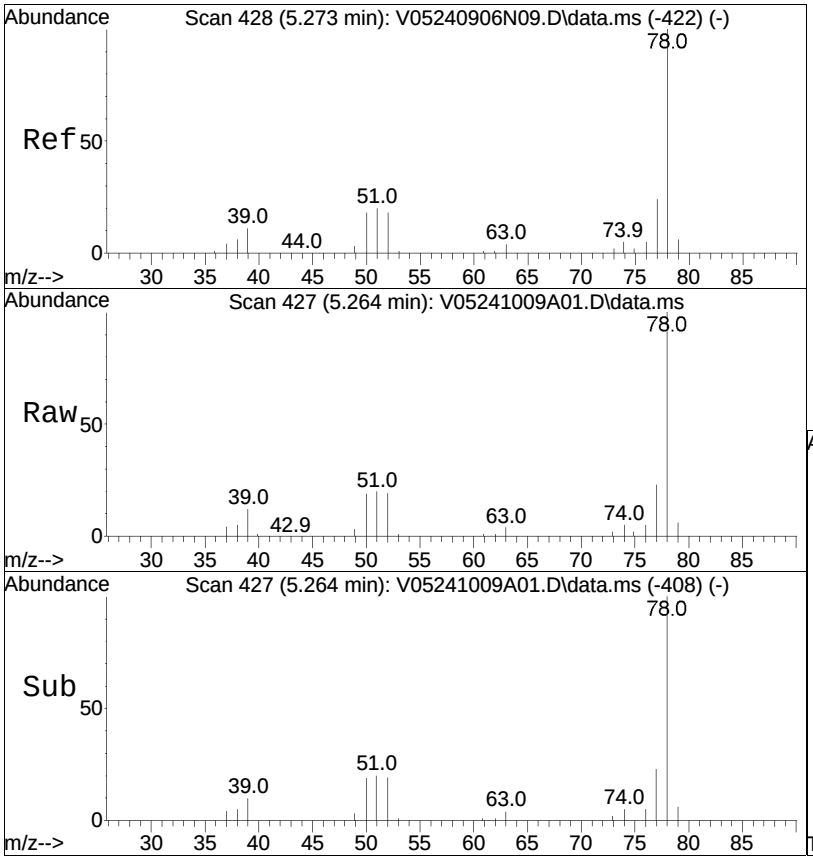


#39
2-Butanone
Concen: 9.13 ug/L
RT: 5.029 min Scan# 403
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 43 Resp: 29692

Ion	Ratio	Lower	Upper
43	100		
72	41.8	55.6	83.4#

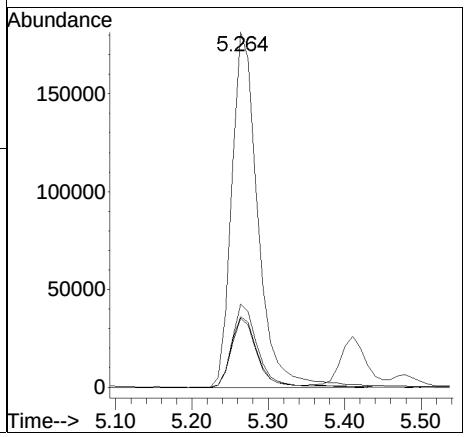


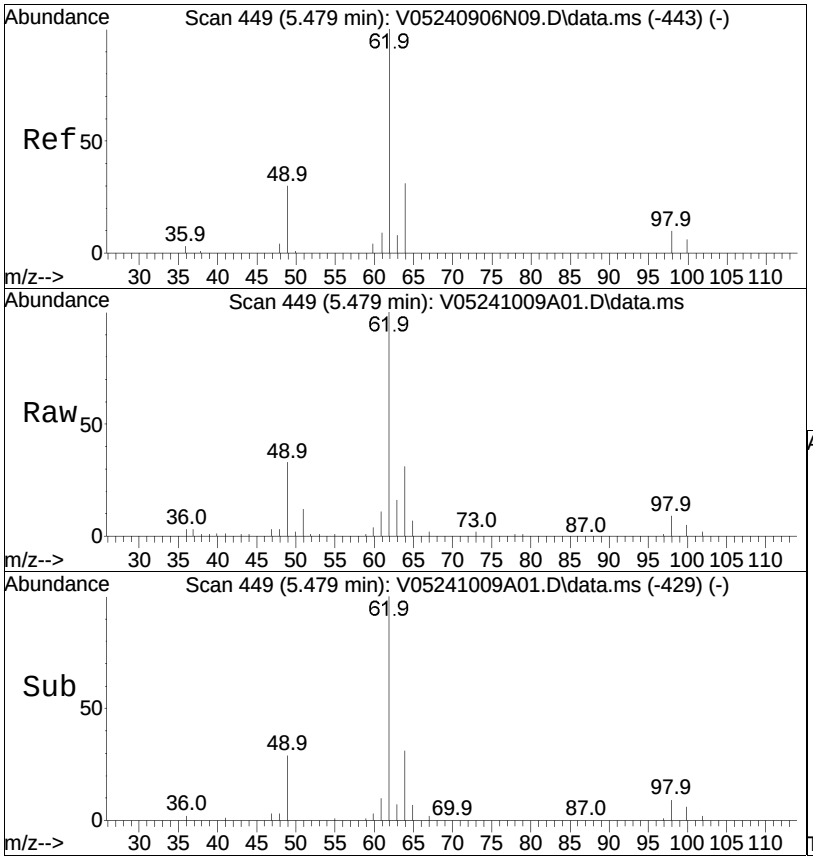


#41
Benzene
Concen: 11.37 ug/L
RT: 5.264 min Scan# 427
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 78 Resp: 433860

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.2	31.6
51	19.7	10.5	21.7
52	18.8	9.5	19.7

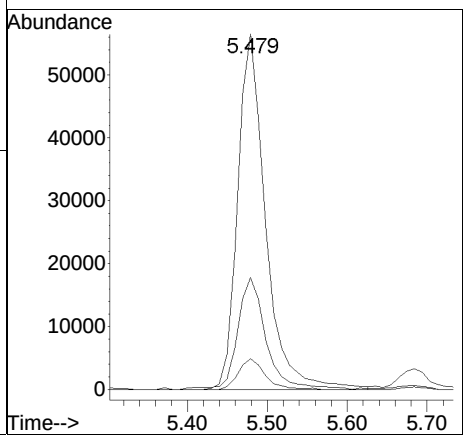


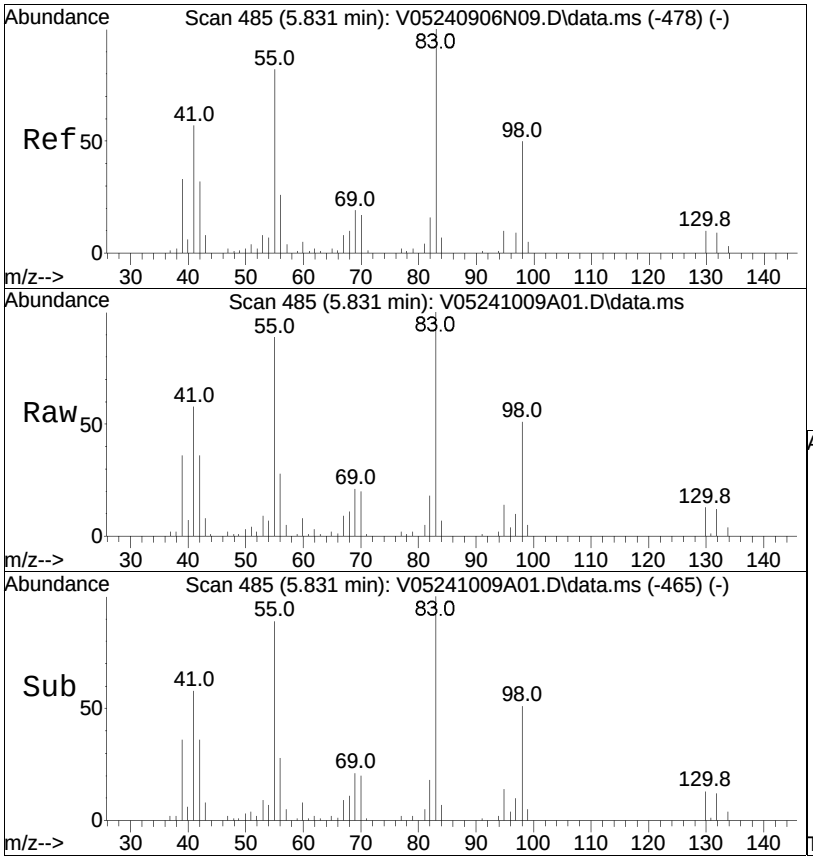


#44
1,2-Dichloroethane
Concen: 10.90 ug/L
RT: 5.479 min Scan# 449
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 62 Resp: 137217

Ion	Ratio	Lower	Upper
62	100		
64	32.0	13.2	53.2
98	8.2	0.0	27.8

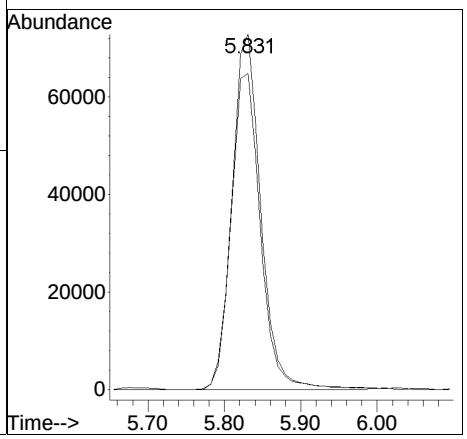


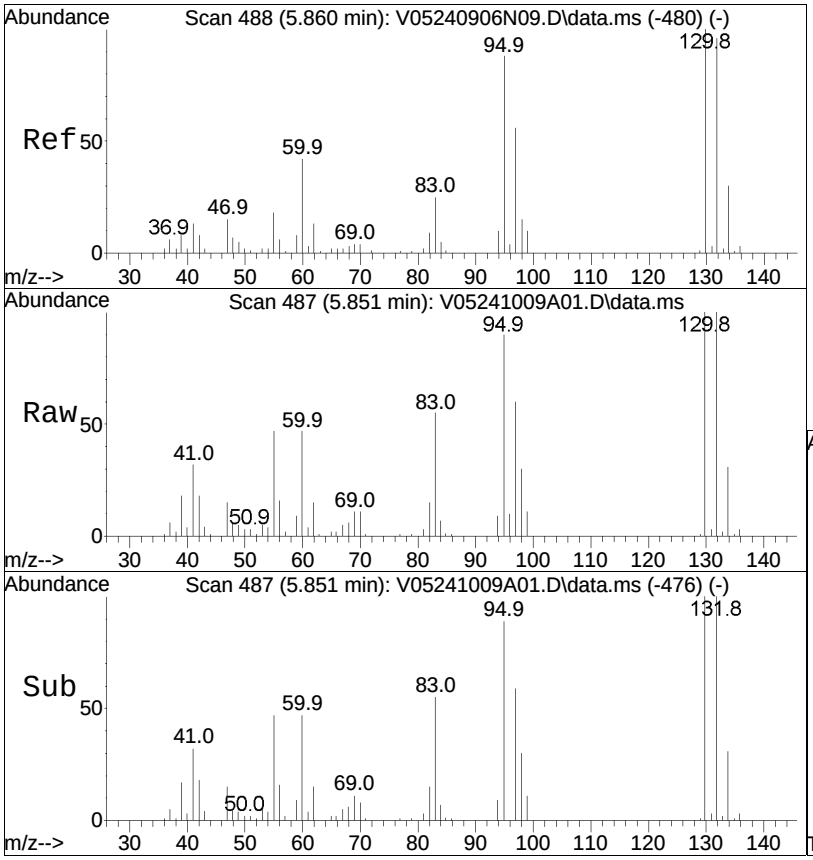


#47
Methyl cyclohexane
Concen: 10.93 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 191267

Ion	Ratio	Lower	Upper
83	100		
55	90.4	57.3	85.9#

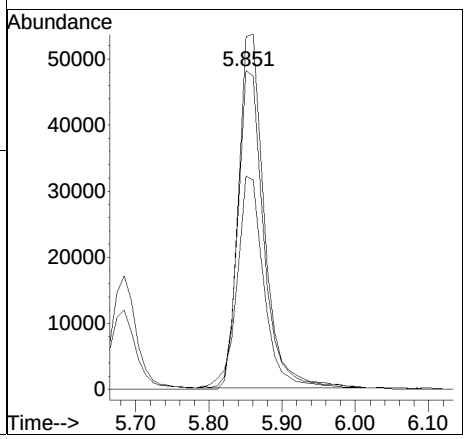


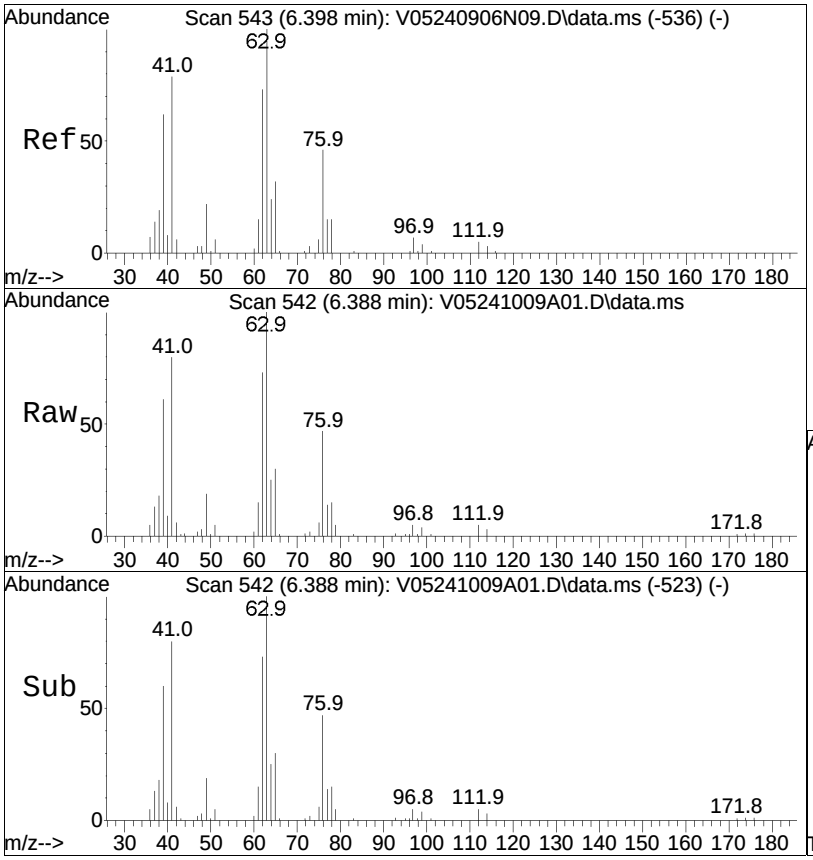


#48
Trichloroethene
Concen: 10.40 ug/L
RT: 5.851 min Scan# 487
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 95 Resp: 118117

Ion	Ratio	Lower	Upper
95	100		
97	69.7	56.1	84.1
130	113.8	77.7	116.5

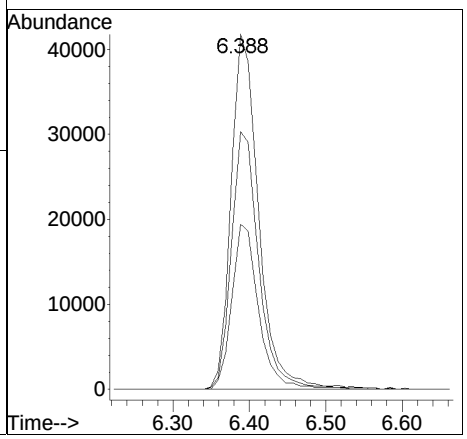


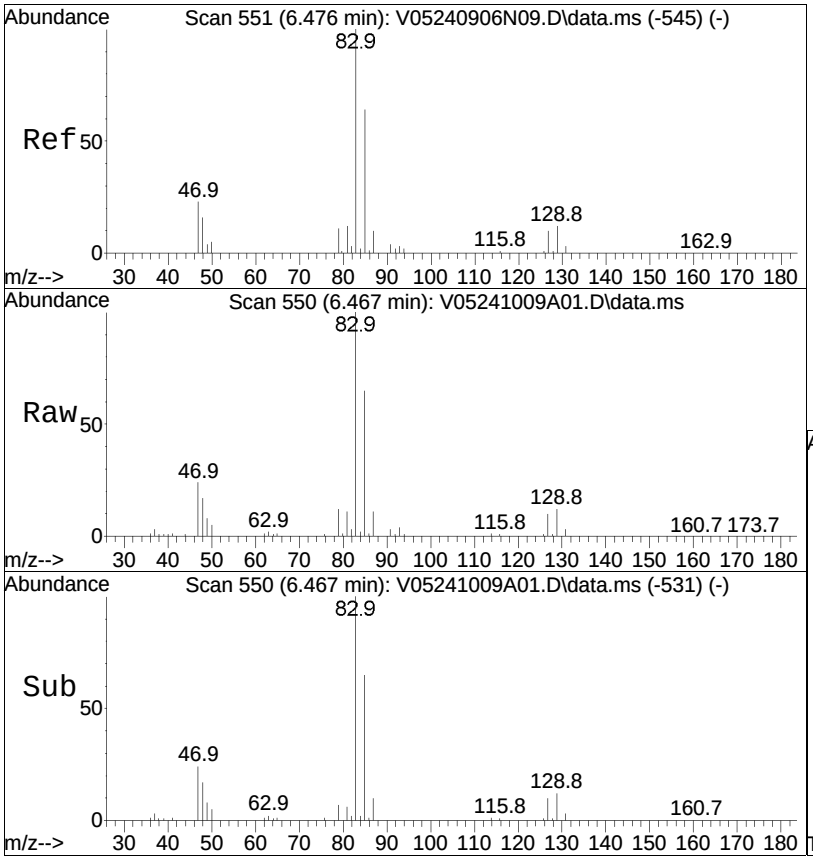


#51
1,2-Dichloropropane
Concen: 11.06 ug/L
RT: 6.388 min Scan# 542
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 63 Resp: 105383

Ion	Ratio	Lower	Upper
63	100		
62	72.2	57.0	85.4
76	45.3	48.4	72.6#

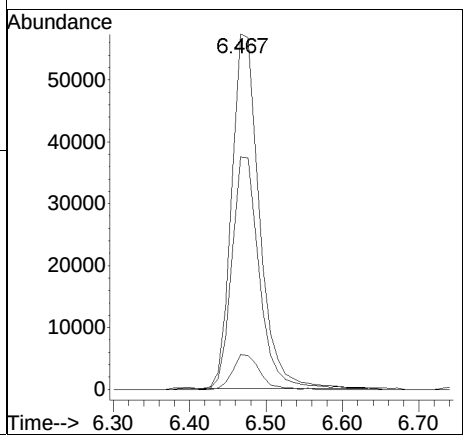


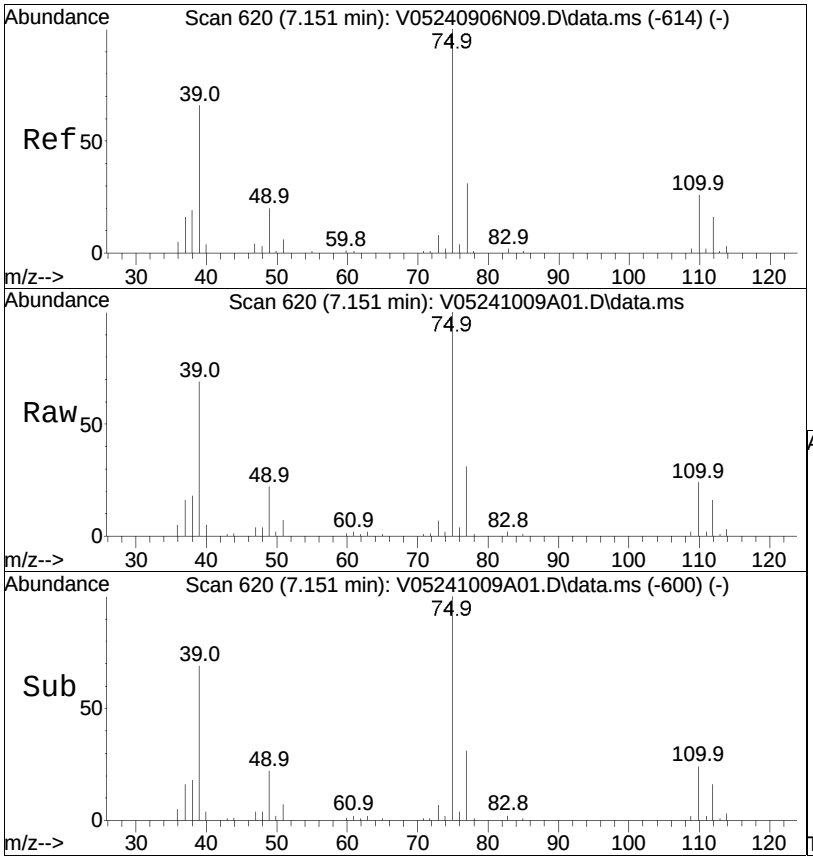


#54
Bromodichloromethane
Concen: 10.36 ug/L
RT: 6.467 min Scan# 550
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 144527

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.6
127	9.6	6.7	10.1

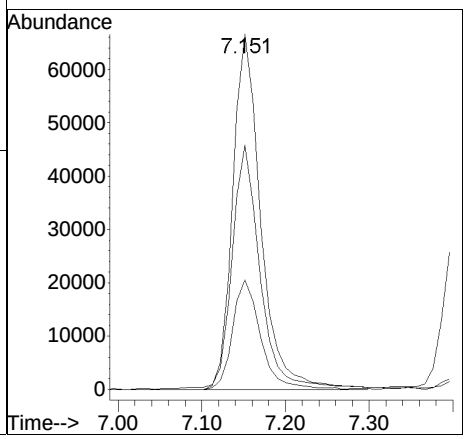


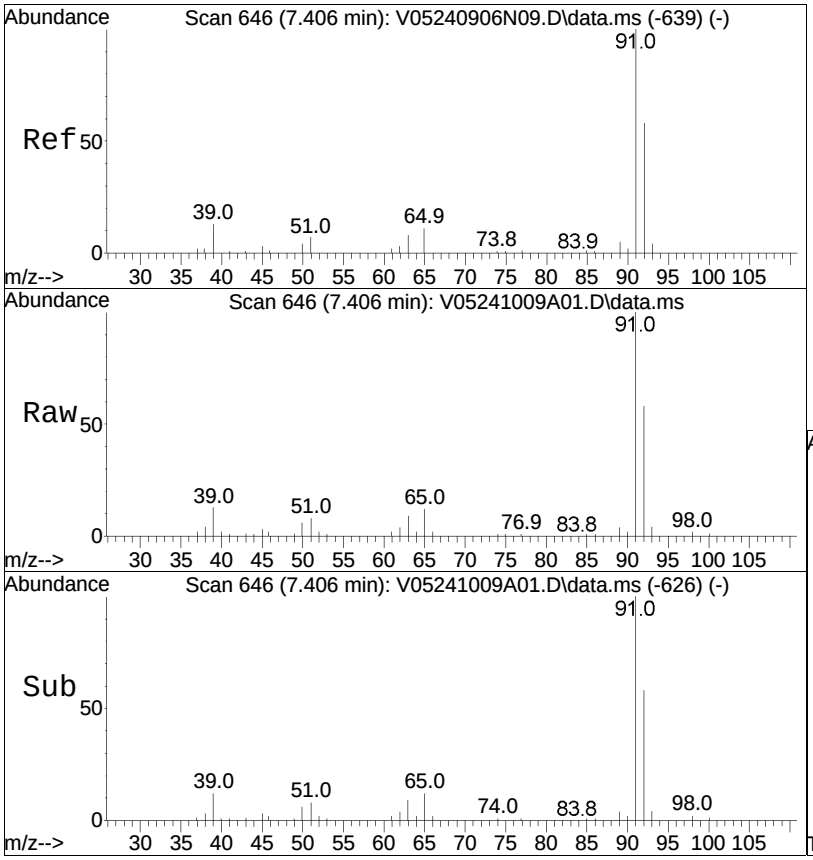


#58
cis-1,3-Dichloropropene
Concen: 10.63 ug/L
RT: 7.151 min Scan# 620
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 75 Resp: 155941

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3
39	69.4	40.4	60.6#

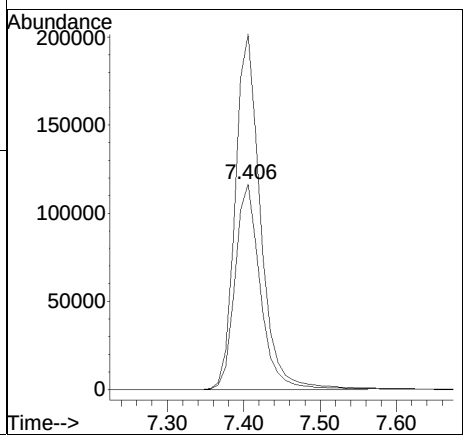


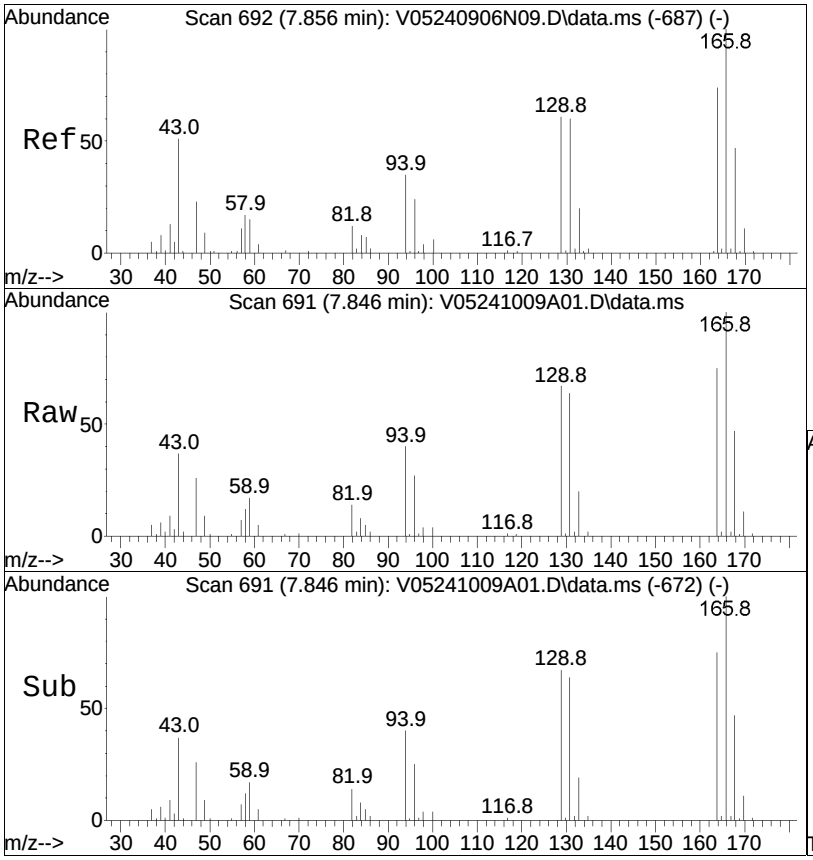


#61
Toluene
Concen: 10.85 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 92 Resp: 268141

Ion	Ratio	Lower	Upper
92	100		
91	172.4	135.2	202.8

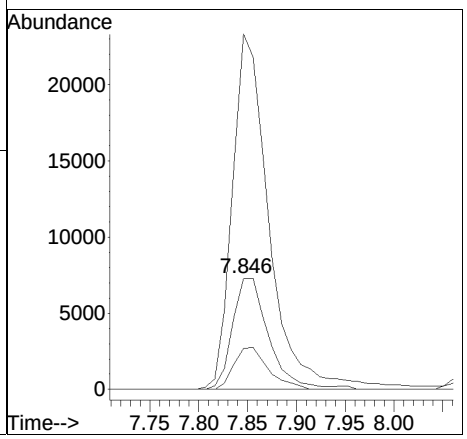


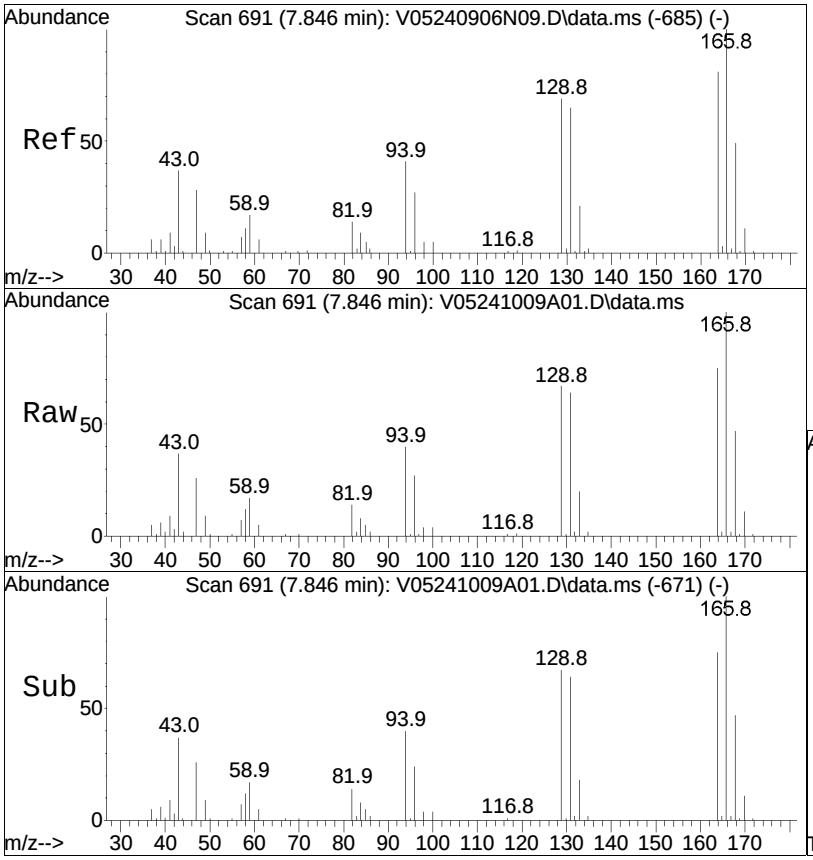


#62
4-Methyl-2-pentanone
Concen: 9.23 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 58 Resp: 18883

Ion	Ratio	Lower	Upper
58	100		
100	36.1	38.9	58.3#
43	325.6	204.2	306.2#

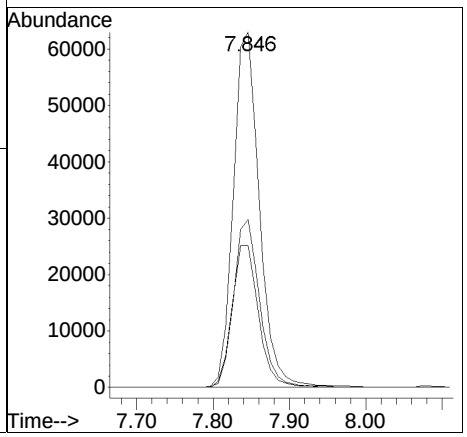


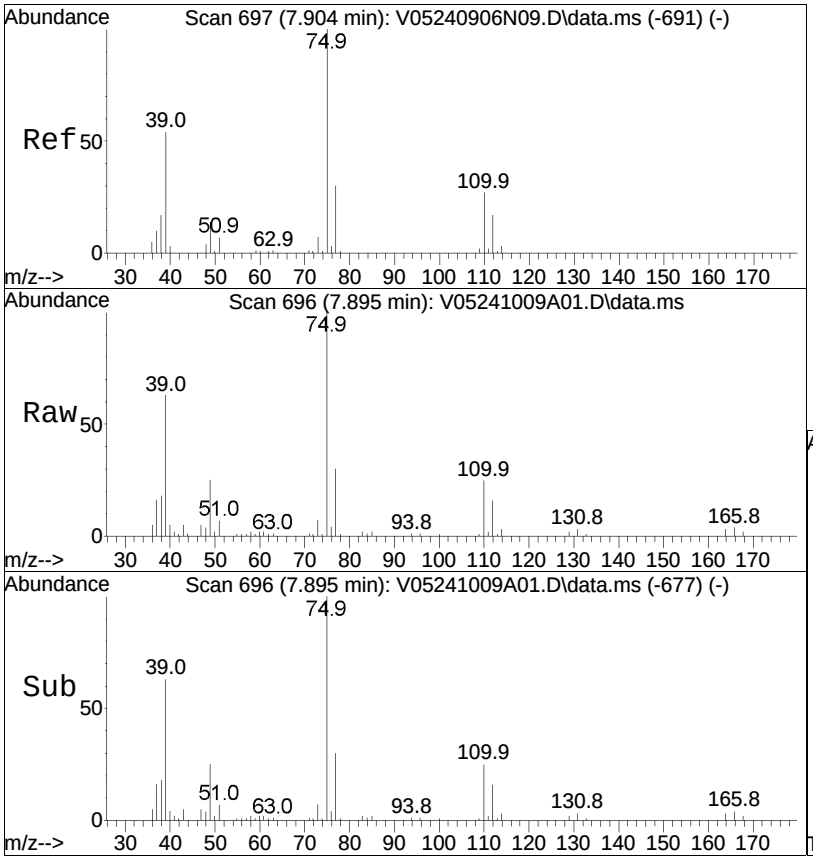


#63
Tetrachloroethene
Concen: 11.48 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:166 Resp: 149646

Ion	Ratio	Lower	Upper
166	100		
168	47.2	30.2	70.2
94	40.7	32.5	72.5

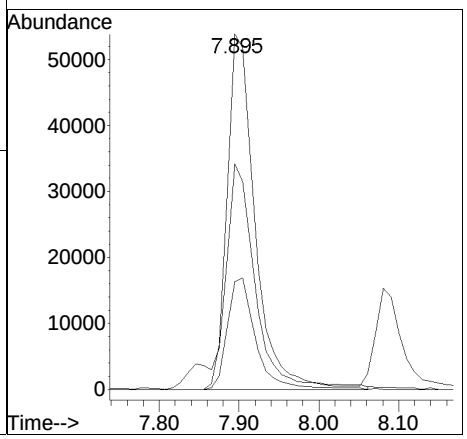


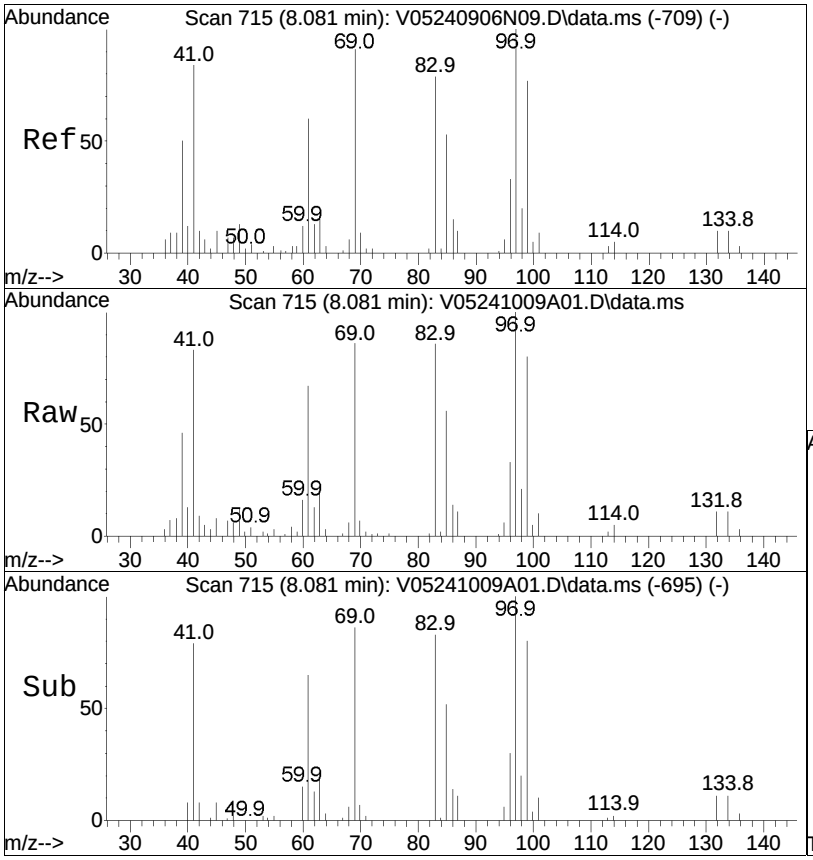


#65
trans-1,3-Dichloropropene
Concen: 10.99 ug/L
RT: 7.895 min Scan# 696
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 75 Resp: 132091

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.5	51.5
39	70.6	29.3	69.3#

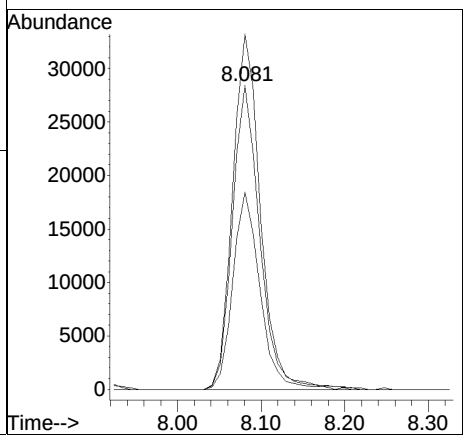


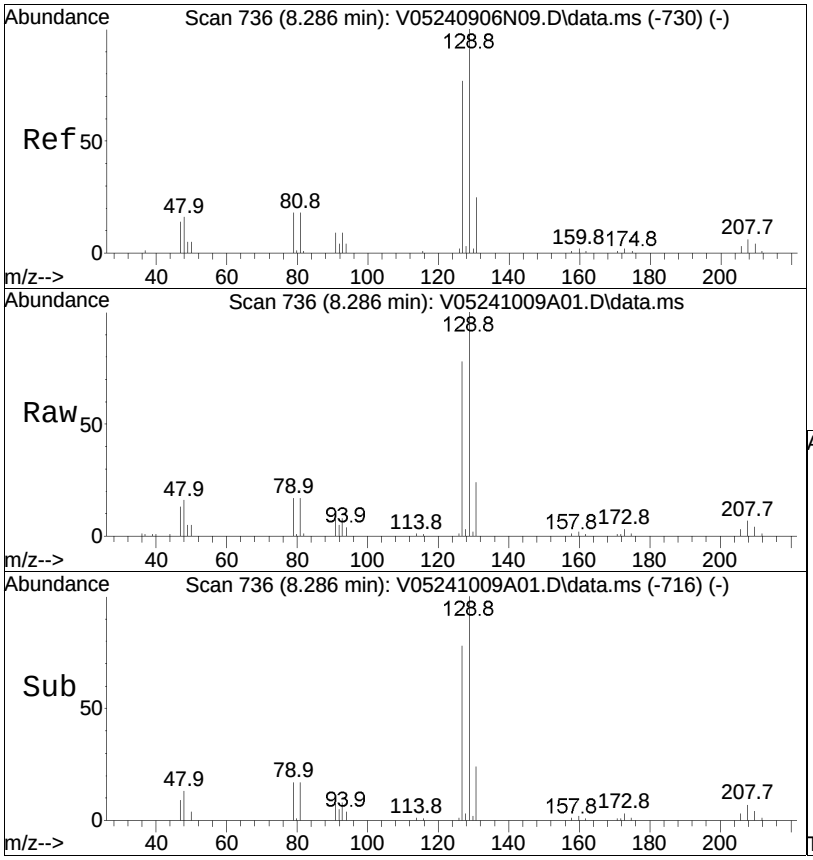


#68
1,1,2-Trichloroethane
Concen: 10.62 ug/L
RT: 8.081 min Scan# 715
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 64925

Ion	Ratio	Lower	Upper
83	100		
97	119.0	102.2	142.2
85	64.2	47.5	87.5

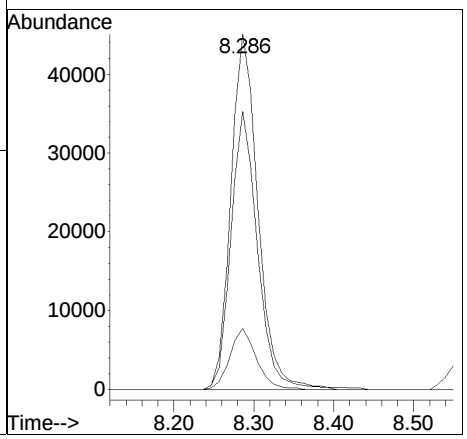


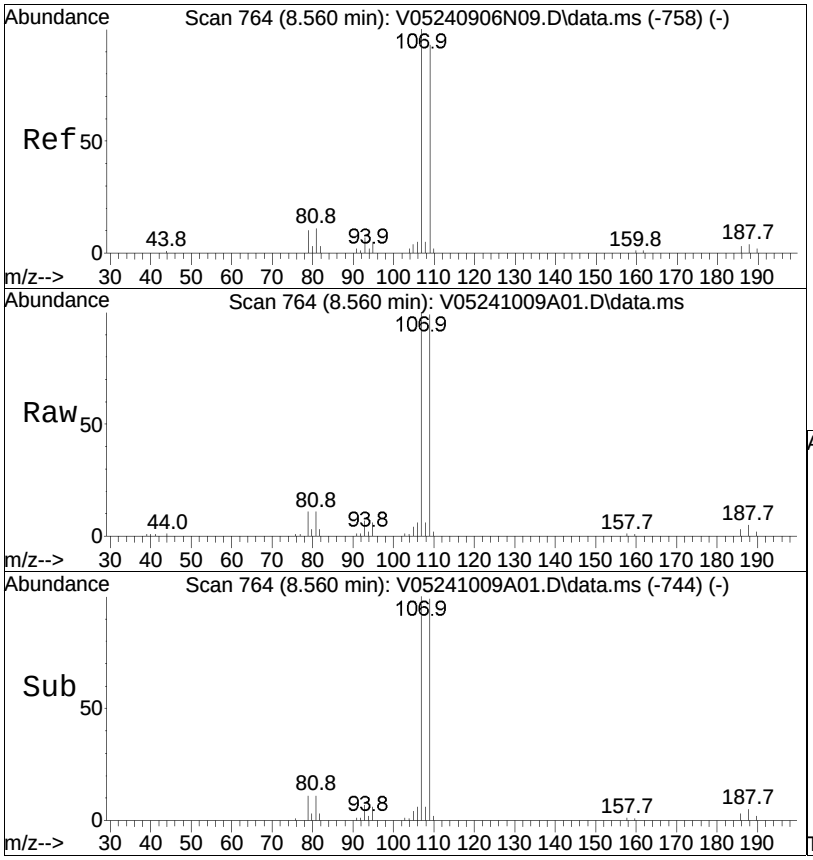


#69
Chlorodibromomethane
Concen: 10.24 ug/L
RT: 8.286 min Scan# 736
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:129 Resp: 106698

Ion	Ratio	Lower	Upper
129	100		
81	16.7	0.0	37.0
127	76.0	58.3	98.3

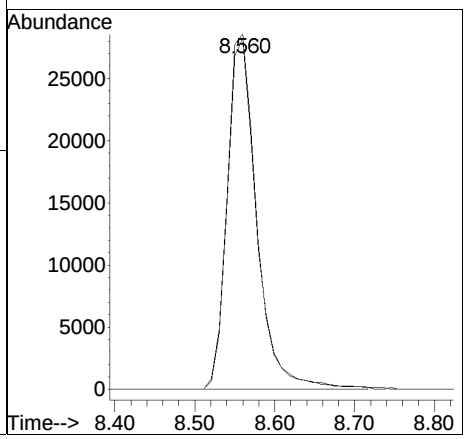


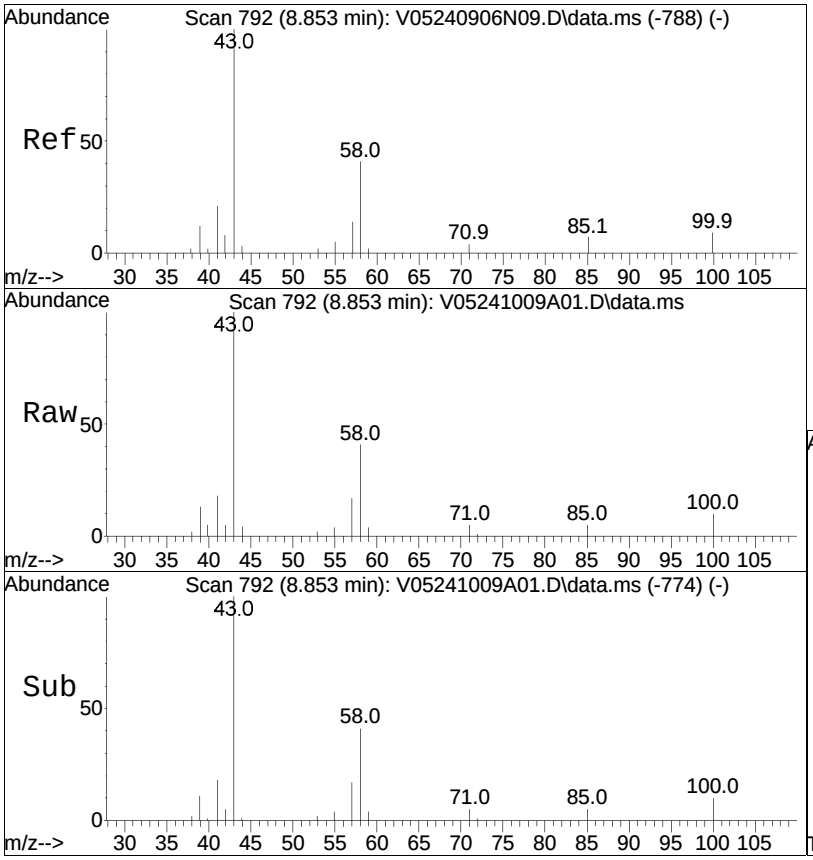


#71
1,2-Dibromoethane
Concen: 9.89 ug/L
RT: 8.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:107 Resp: 81357

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.0	112.6

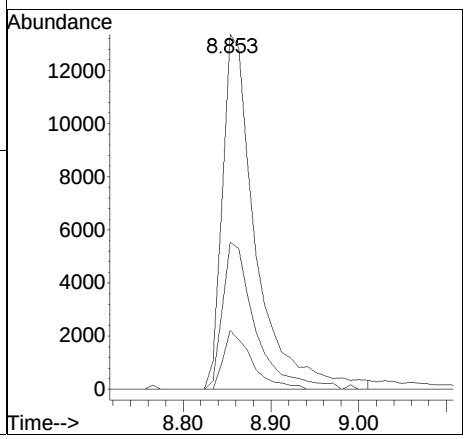


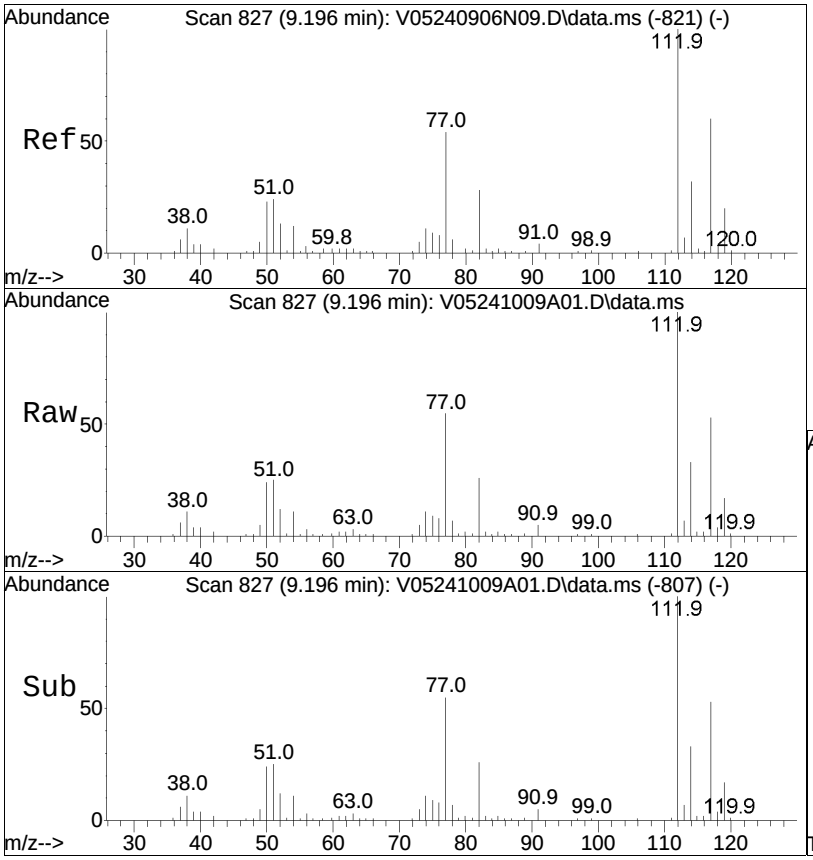


#72
2-Hexanone
Concen: 8.70 ug/L
RT: 8.853 min Scan# 792
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 43 Resp: 35477

Ion	Ratio	Lower	Upper
43	100		
58	40.7	42.3	63.5#
57	14.2	15.6	23.4#

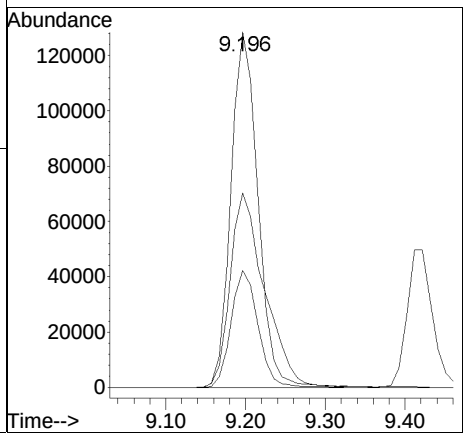


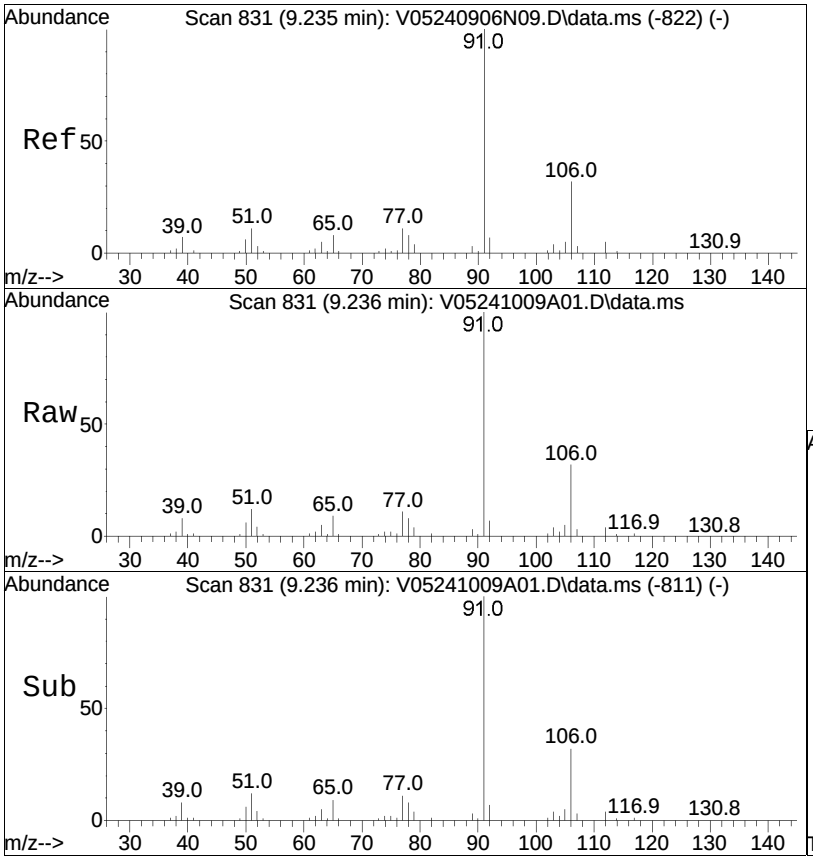


#73
Chlorobenzene
Concen: 10.37 ug/L
RT: 9.196 min Scan# 827
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:112 Resp: 302845

Ion	Ratio	Lower	Upper
112	100		
77	69.7	66.1	99.1
114	32.8	25.4	38.0

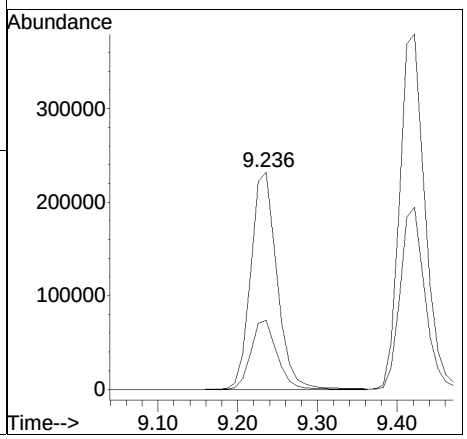


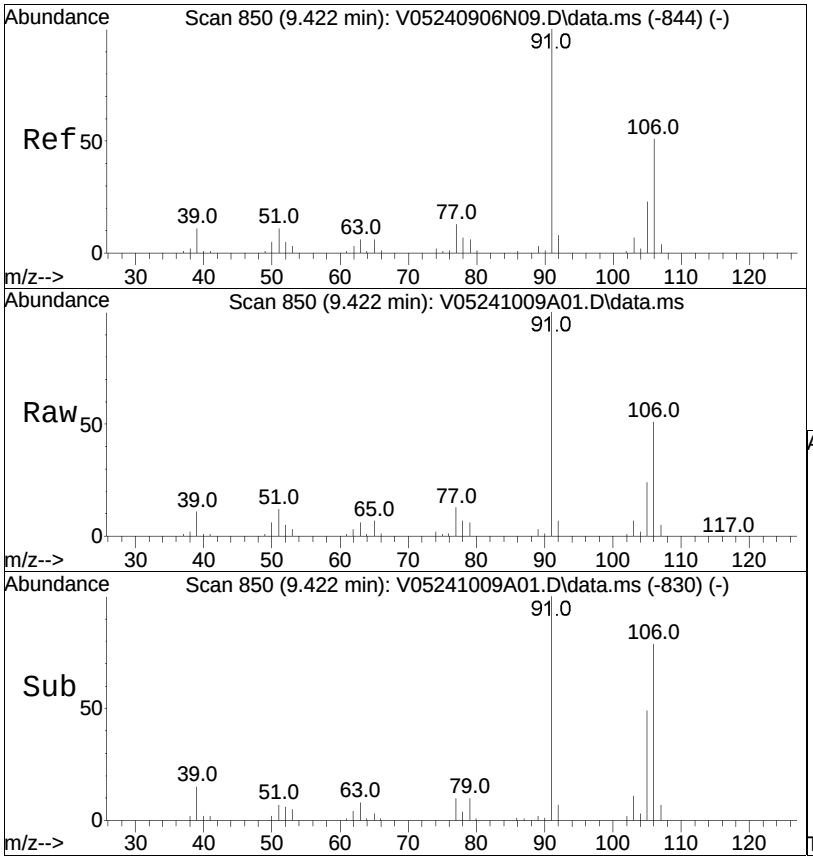


#74
Ethylbenzene
Concen: 10.76 ug/L
RT: 9.236 min Scan# 831
Delta R.T. 0.001 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 91 Resp: 530989

Ion	Ratio	Lower	Upper
91	100		
106	31.7	22.9	34.3

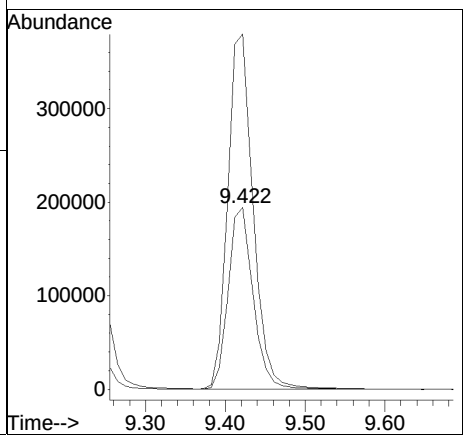


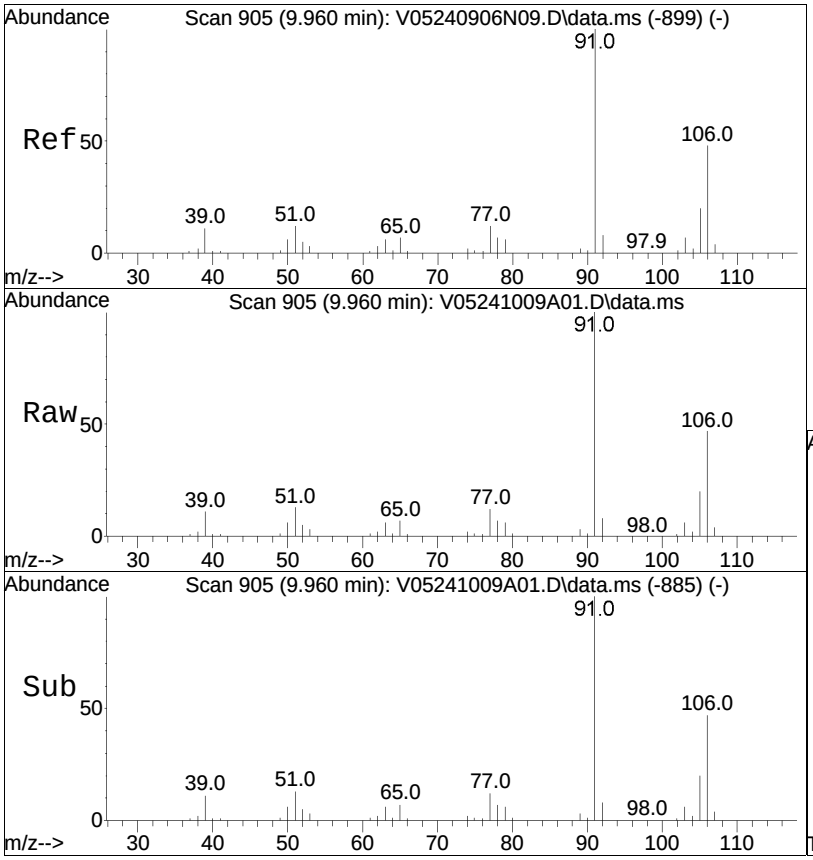


#76
p/m Xylene
Concen: 22.11 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:106 Resp: 421169

Ion	Ratio	Lower	Upper
106	100		
91	198.1	177.2	265.8

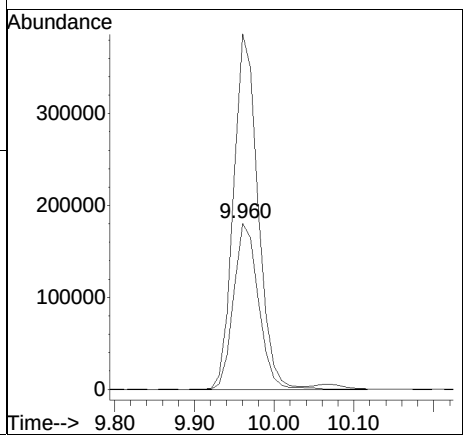


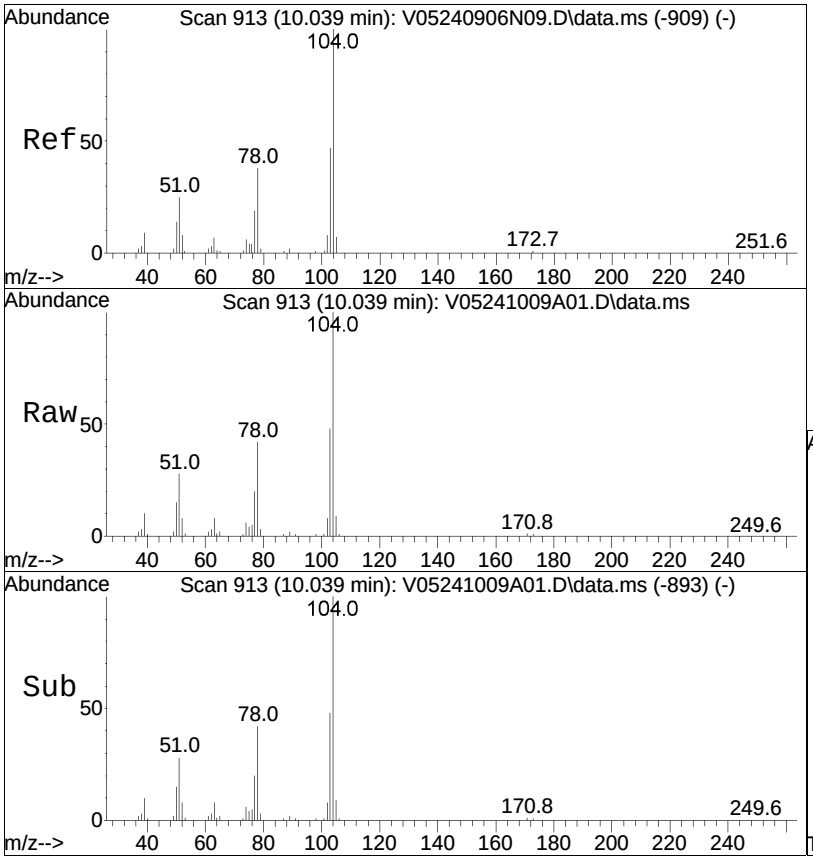


#77
o Xylene
Concen: 21.75 ug/L
RT: 9.960 min Scan# 905
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:106 Resp: 392602

Ion	Ratio	Lower	Upper
106	100		
91	209.6	187.0	280.6

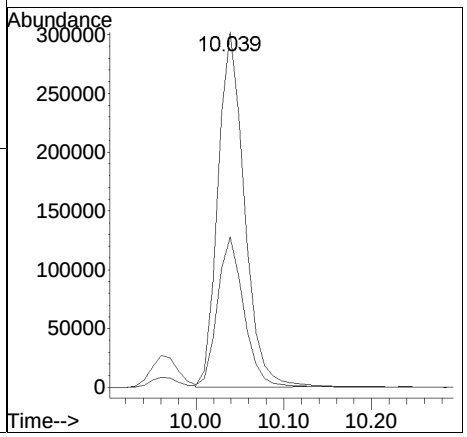


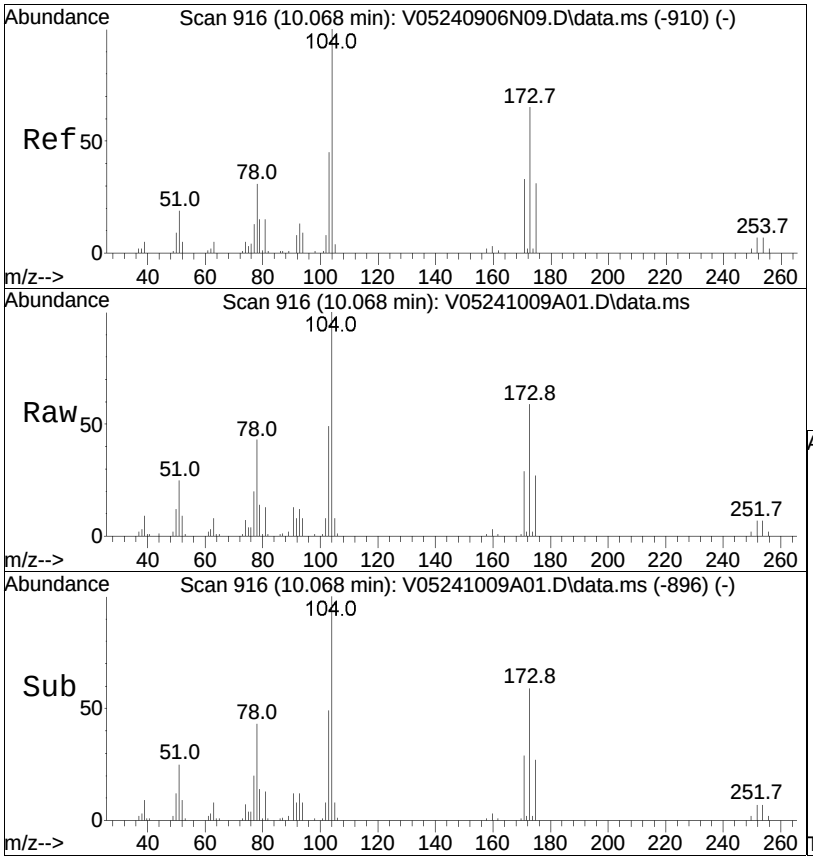


#78
Styrene
Concen: 21.18 ug/L
RT: 10.039 min Scan# 913
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:104 Resp: 632611

Ion	Ratio	Lower	Upper
104	100		
78	42.4	39.6	59.4

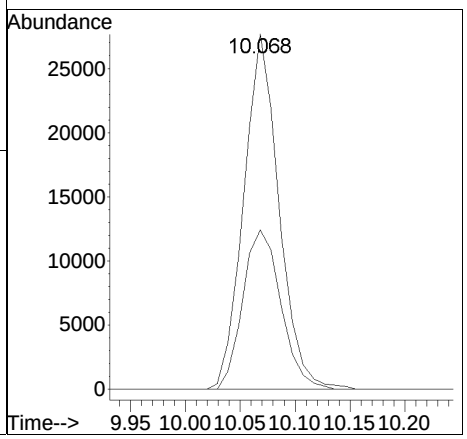


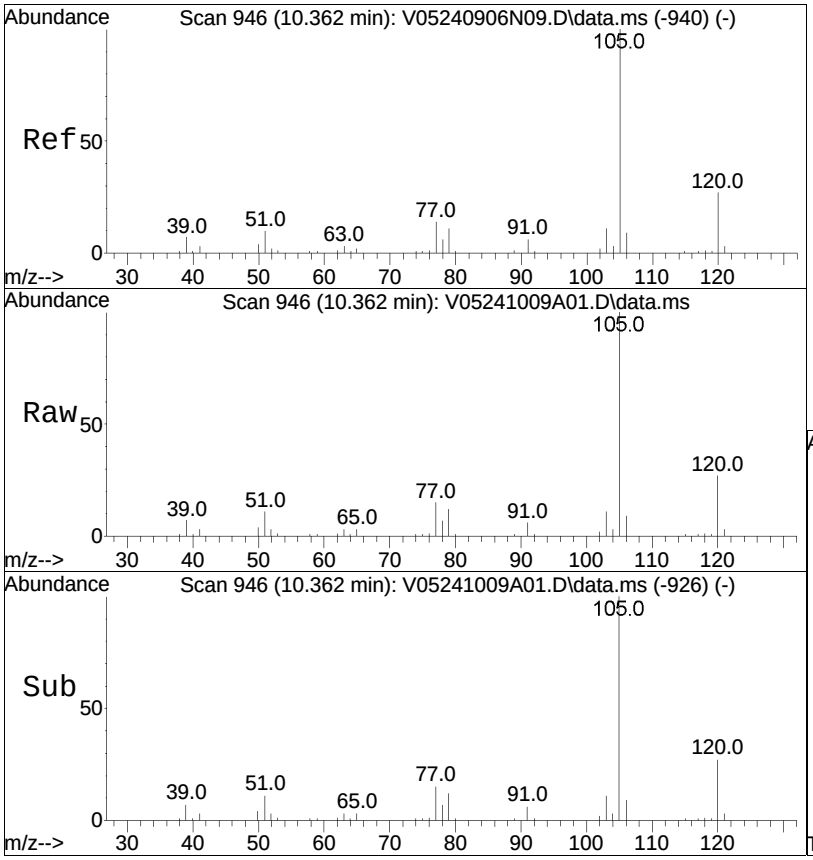


#80
Bromoform
Concen: 9.22 ug/L
RT: 10.068 min Scan# 916
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:173 Resp: 61895

Ion	Ratio	Lower	Upper
173	100		
175	48.6	26.6	66.6

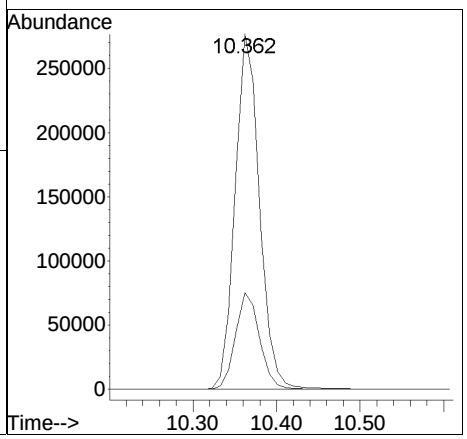


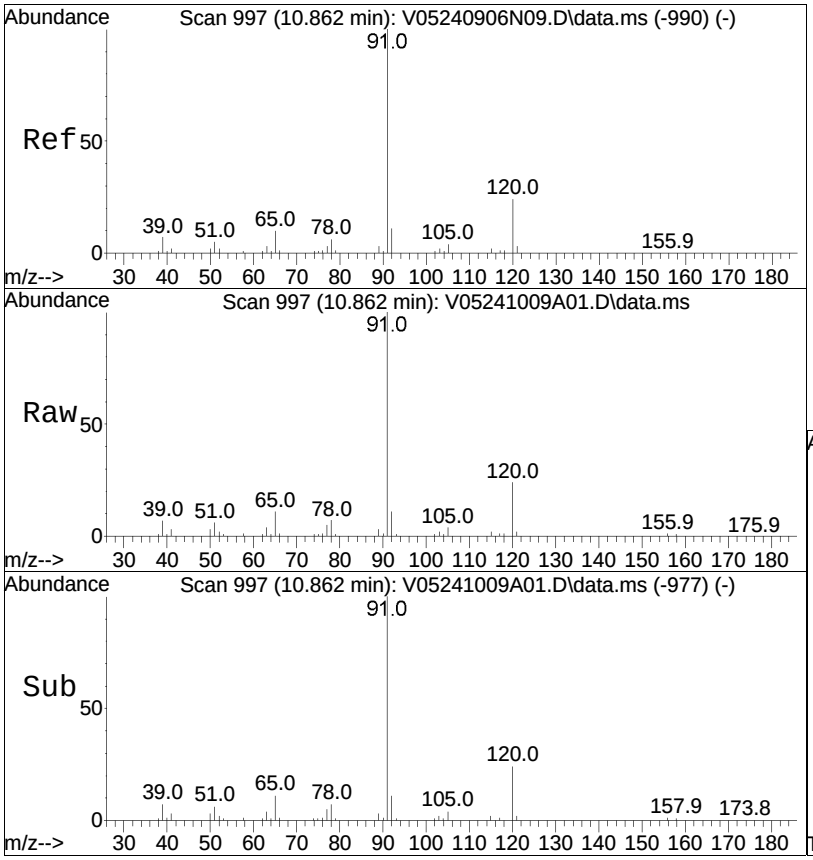


#82
Isopropylbenzene
Concen: 10.73 ug/L
RT: 10.362 min Scan# 946
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:105 Resp: 562622

Ion	Ratio	Lower	Upper
105	100		
120	27.0	4.8	44.8

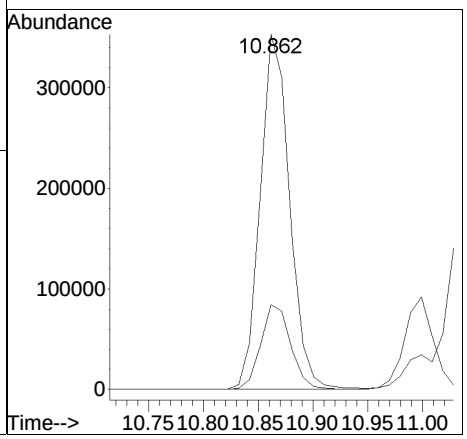


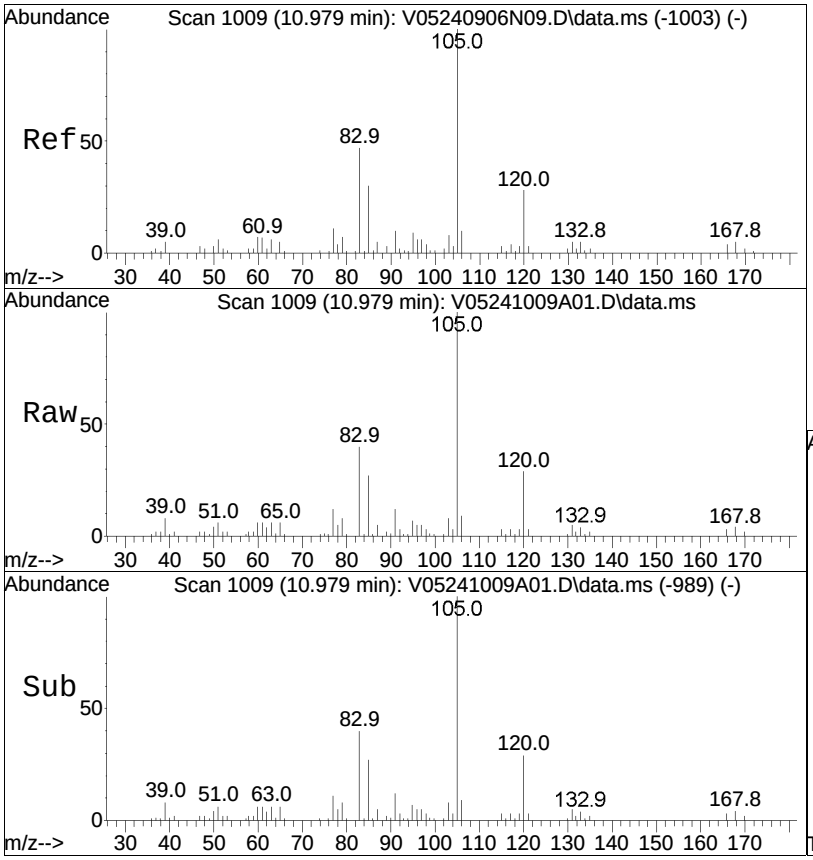


#85
n-Propylbenzene
Concen: 10.74 ug/L
RT: 10.862 min Scan# 997
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 91 Resp: 657632

Ion	Ratio	Lower	Upper
91	100		
120	24.3	17.3	25.9

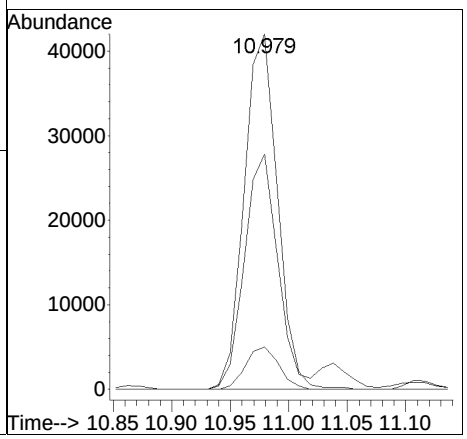


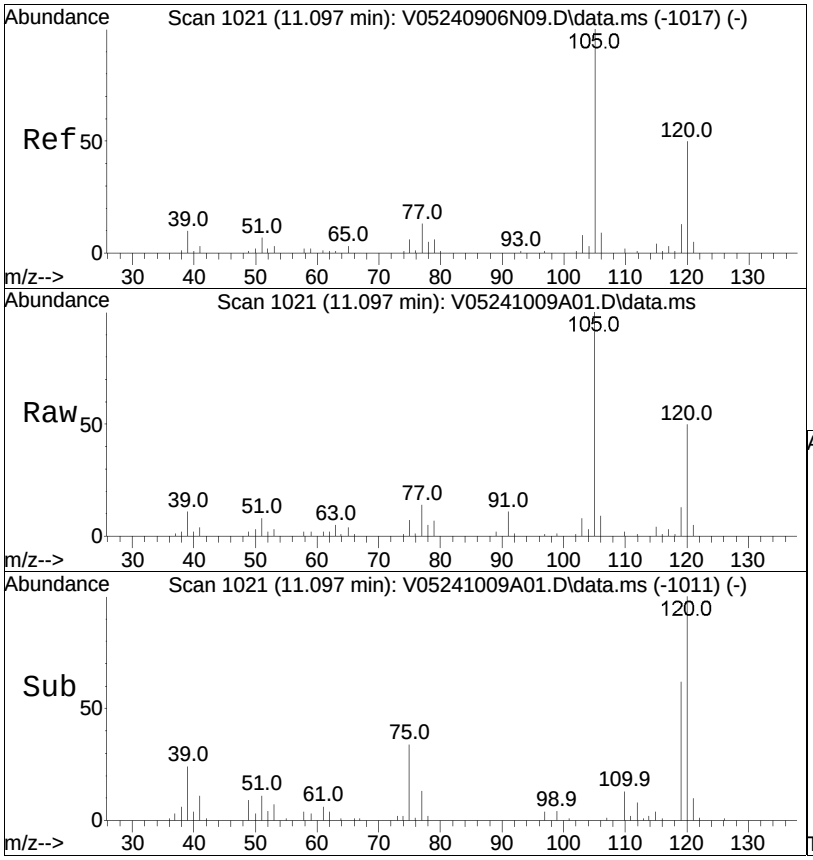


#87
1,1,2,2-Tetrachloroethane
Concen: 9.16 ug/L
RT: 10.979 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 83408

Ion	Ratio	Lower	Upper
83	100		
131	12.0	0.0	30.4
85	66.8	46.4	86.4

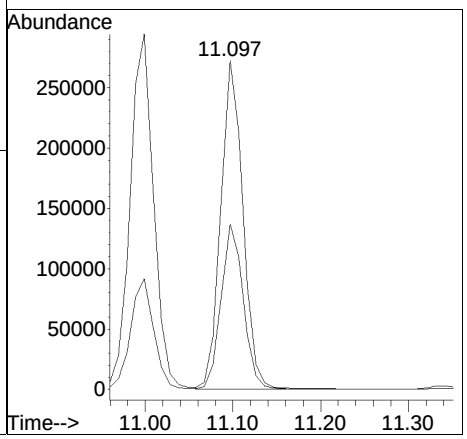


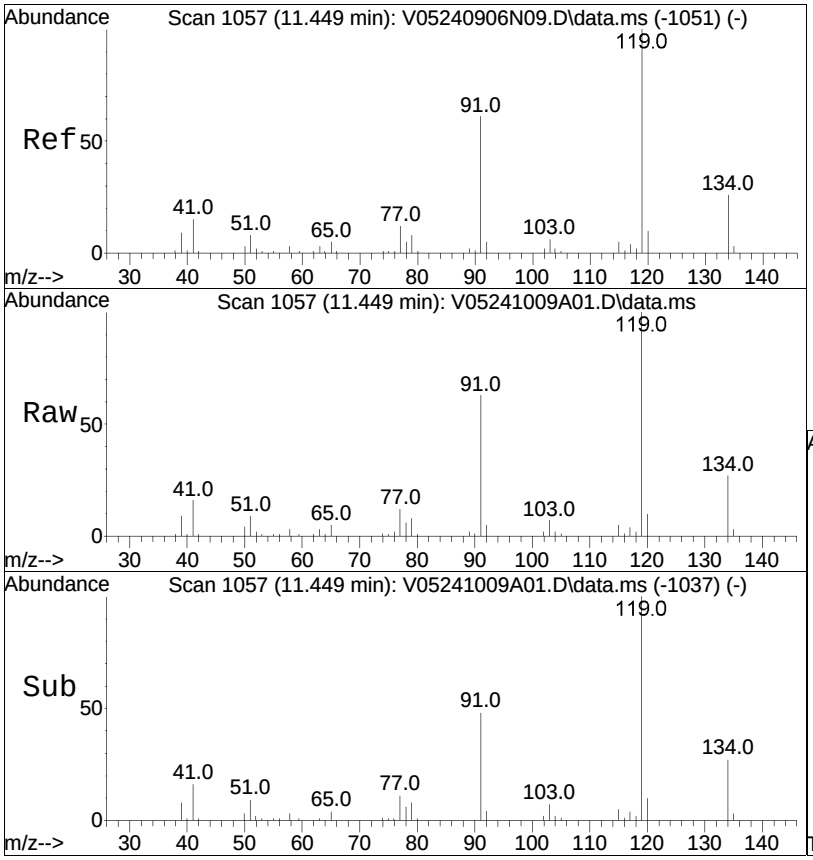


#90
1,3,5-Trimethylbenzene
Concen: 10.59 ug/L
RT: 11.097 min Scan# 1021
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:105 Resp: 476672

Ion	Ratio	Lower	Upper
105	100		
120	50.8	37.0	55.6

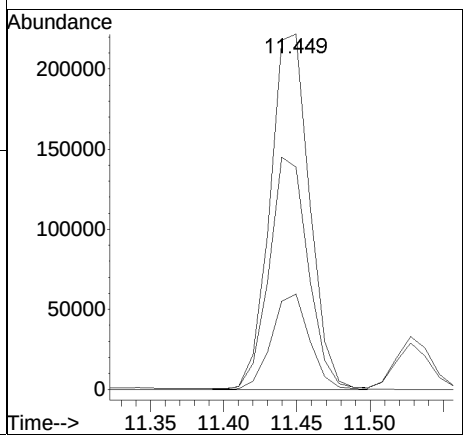


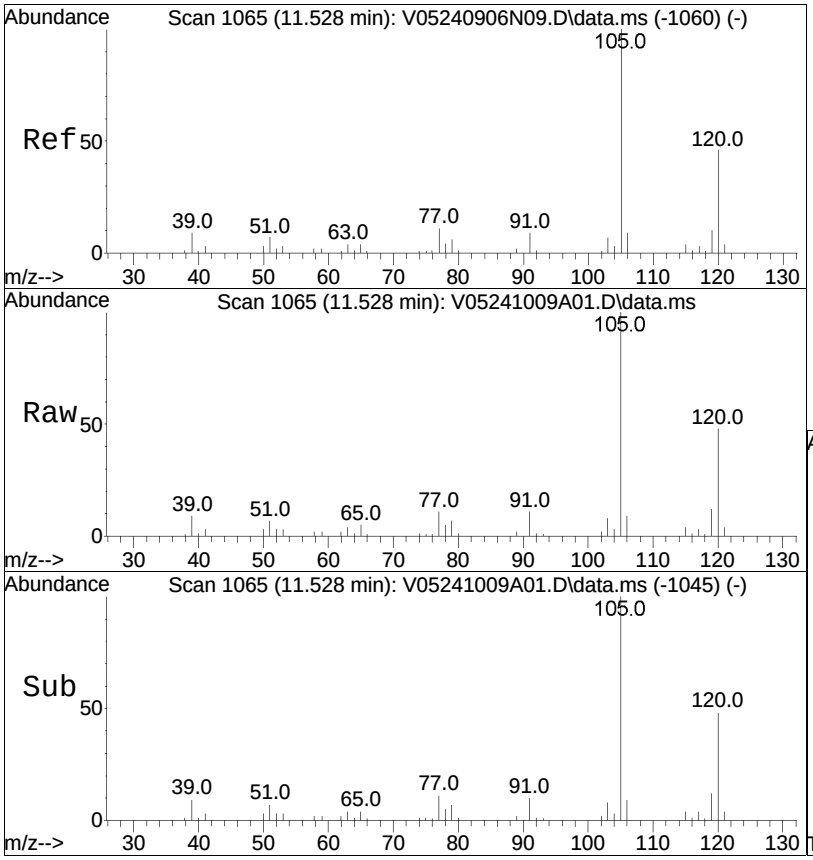


#94
tert-Butylbenzene
Concen: 10.59 ug/L
RT: 11.449 min Scan# 1057
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:119 Resp: 417635

Ion	Ratio	Lower	Upper
119	100		
91	64.0	49.2	73.8
134	25.8	18.3	27.5

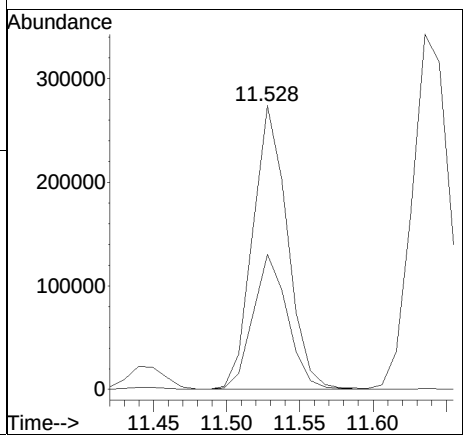


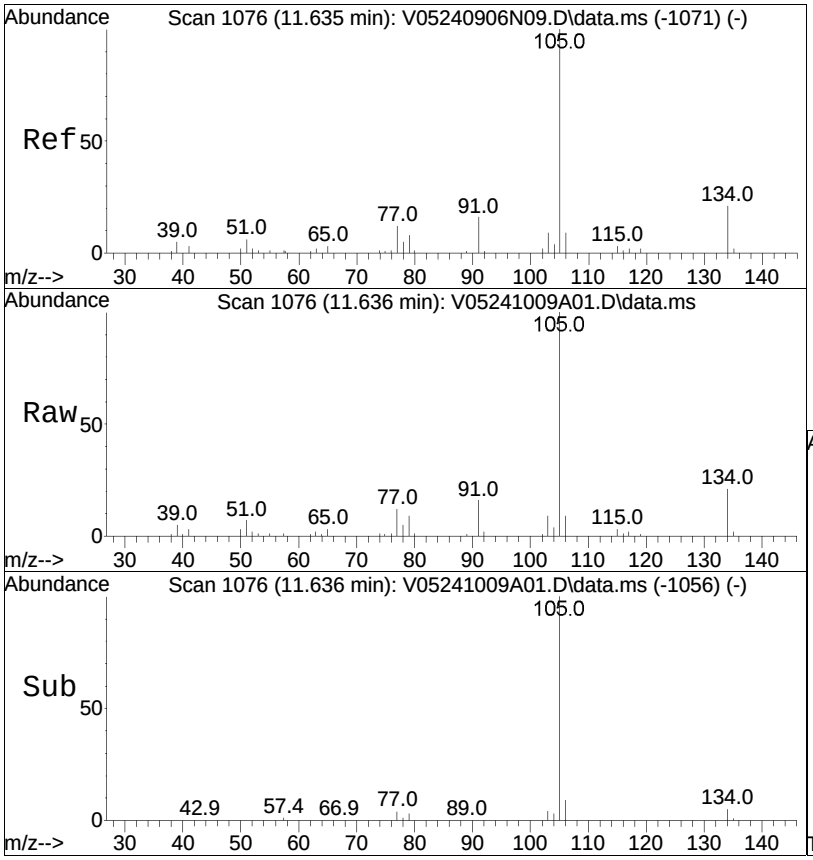


#97
1,2,4-Trimethylbenzene
Concen: 10.48 ug/L
RT: 11.528 min Scan# 1065
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:105 Resp: 452207

Ion	Ratio	Lower	Upper
105	100		
120	47.4	34.4	51.6

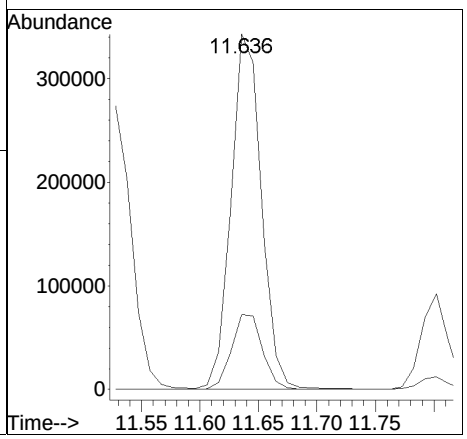


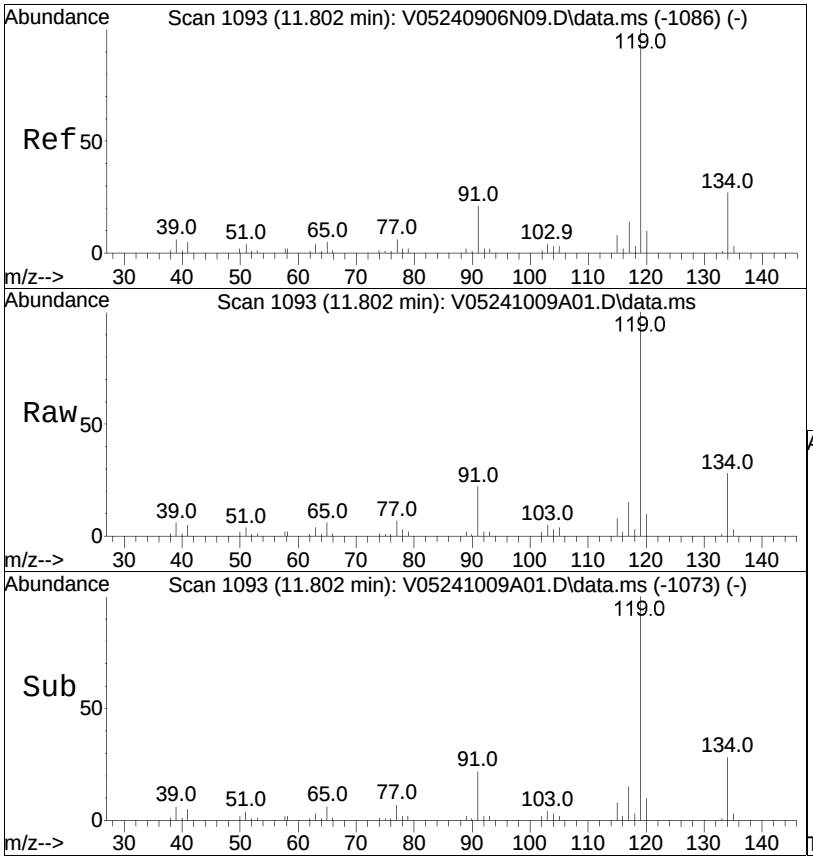


#98
sec-Butylbenzene
Concen: 10.68 ug/L
RT: 11.636 min Scan# 1076
Delta R.T. 0.001 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:105 Resp: 616159

Ion	Ratio	Lower	Upper
105	100		
134	21.7	12.9	26.9

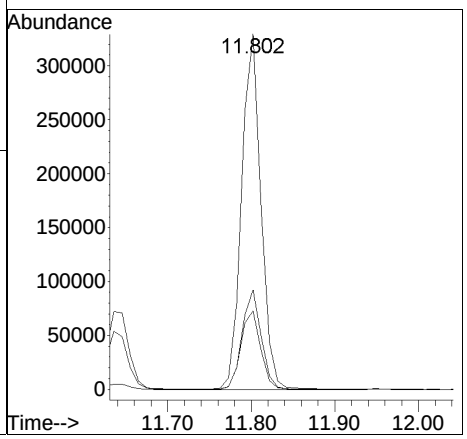


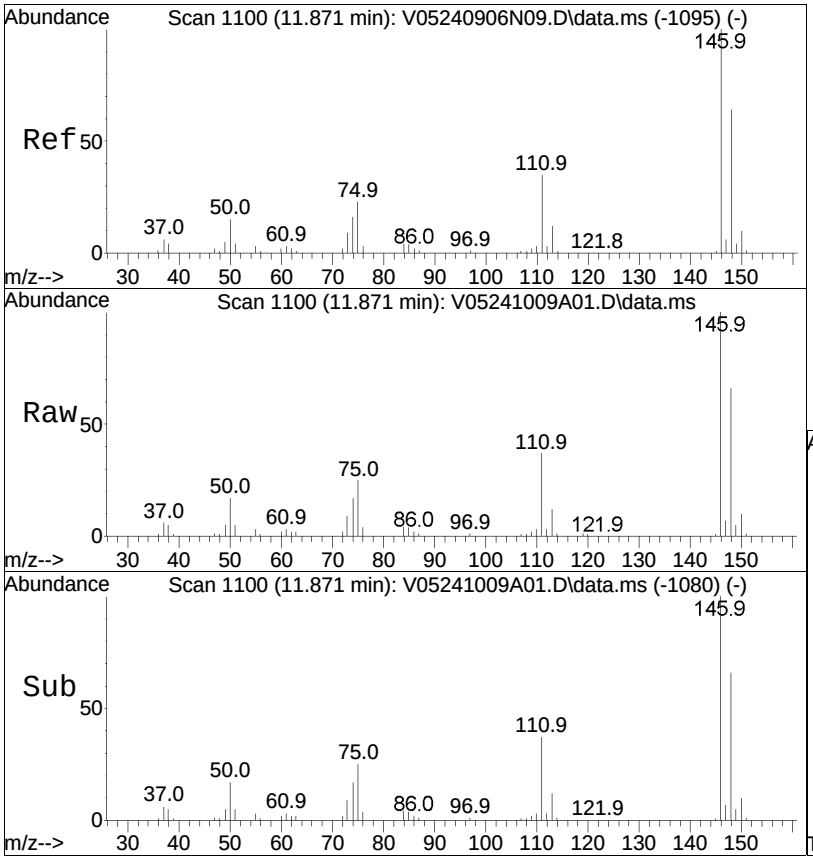


#99
p-Isopropyltoluene
Concen: 10.69 ug/L
RT: 11.802 min Scan# 1093
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:119 Resp: 532008

Ion	Ratio	Lower	Upper
119	100		
134	27.5	16.0	33.2
91	22.4	16.8	35.0

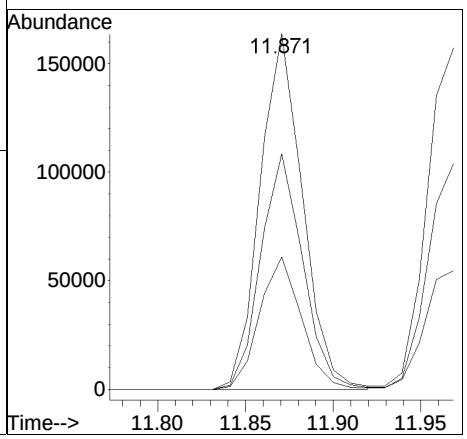


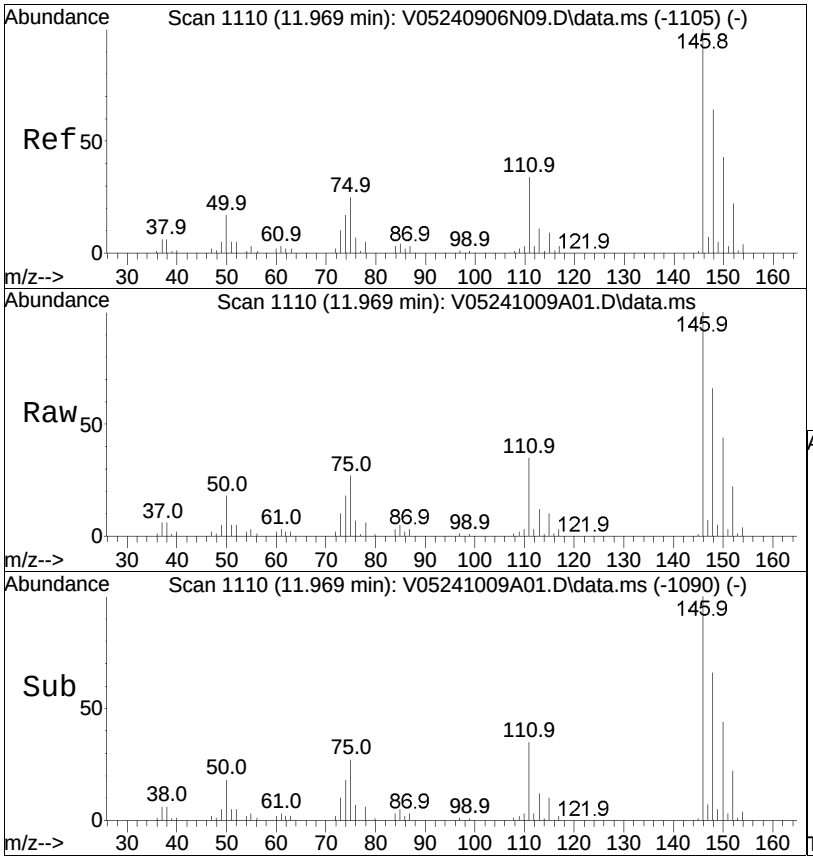


#100
1,3-Dichlorobenzene
Concen: 10.14 ug/L
RT: 11.871 min Scan# 1100
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:146 Resp: 276066

Ion	Ratio	Lower	Upper
146	100		
111	36.9	28.0	58.1
148	65.8	41.6	86.4

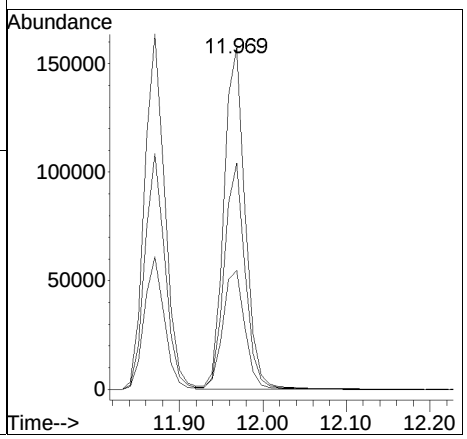


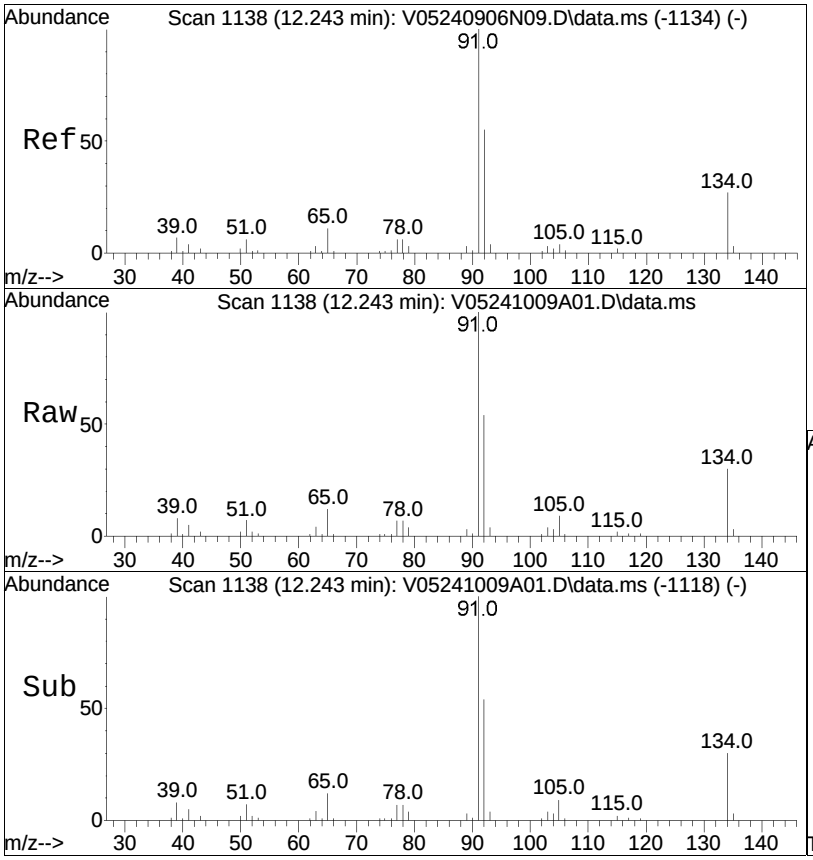


#101
1,4-Dichlorobenzene
Concen: 9.94 ug/L
RT: 11.969 min Scan# 1110
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:146 Resp: 278028

Ion	Ratio	Lower	Upper
146	100		
111	36.8	33.8	50.6
148	65.6	51.0	76.6

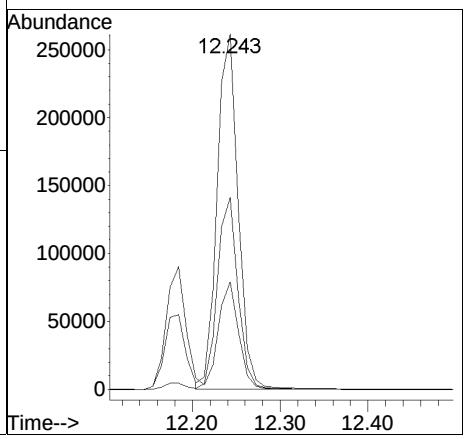


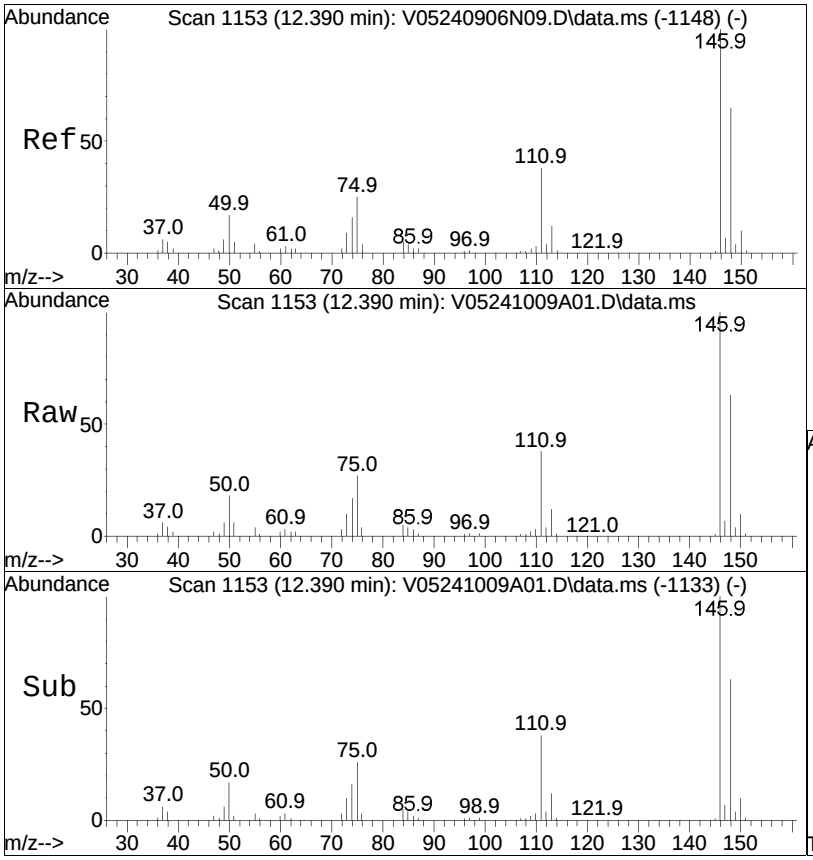


#103
n-Butylbenzene
Concen: 10.64 ug/L
RT: 12.243 min Scan# 1138
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 91 Resp: 435255

Ion	Ratio	Lower	Upper
91	100		
92	53.1	44.2	66.2
134	28.6	20.2	30.2

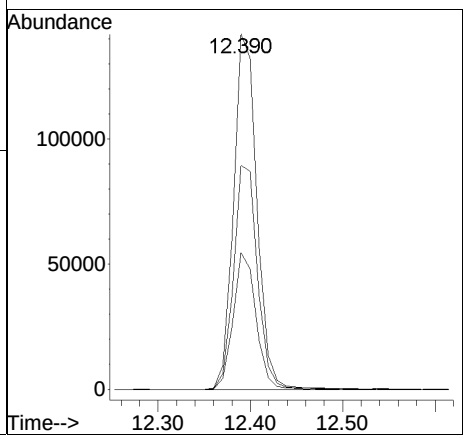


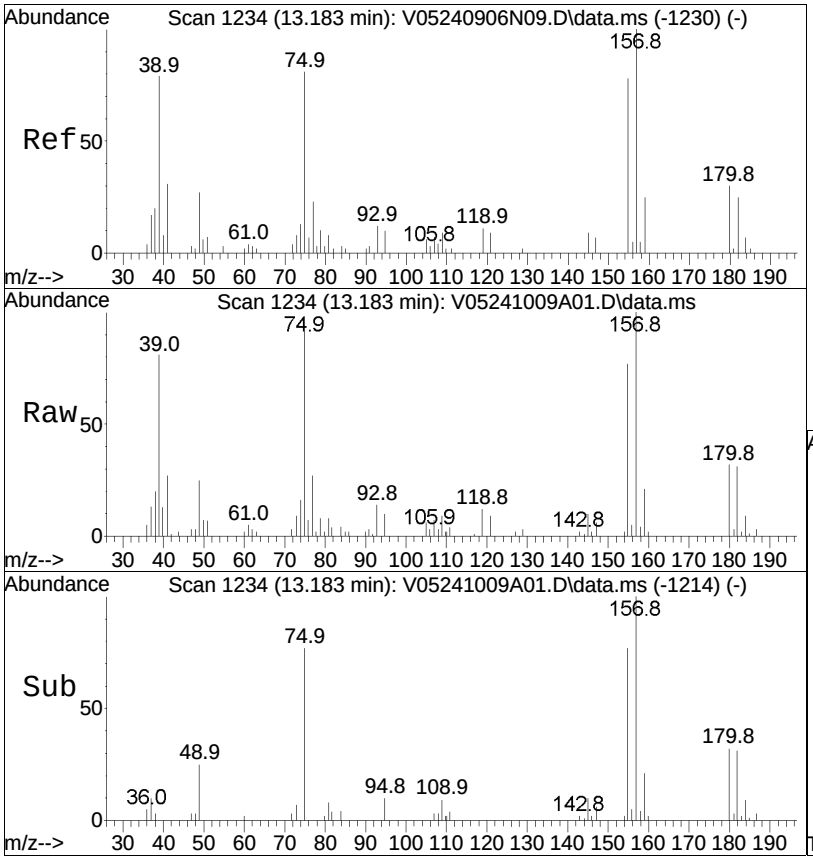


#104
1,2-Dichlorobenzene
Concen: 10.14 ug/L
RT: 12.390 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:146 Resp: 249391

Ion	Ratio	Lower	Upper
146	100		
111	37.7	29.1	60.5
148	64.6	41.7	86.7

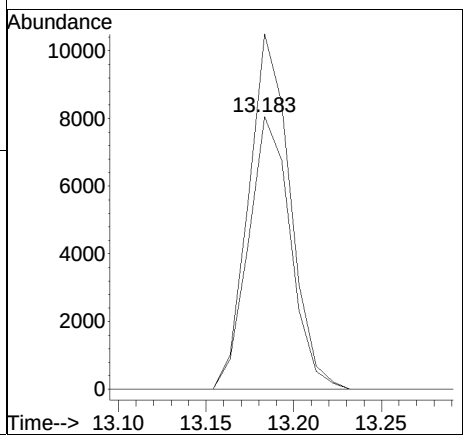


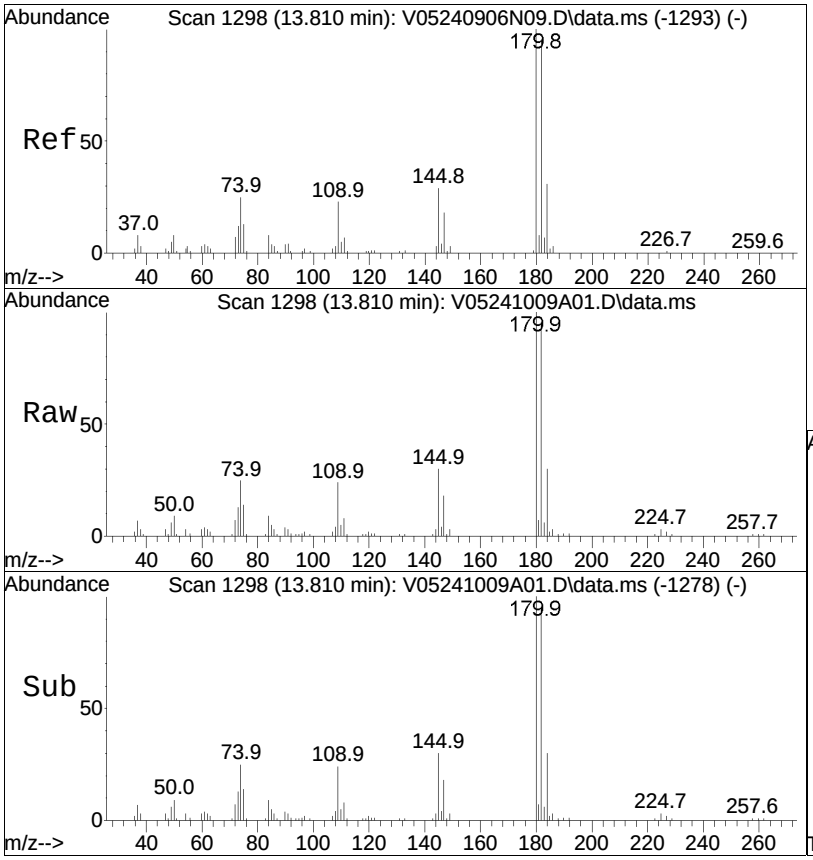


#106
1,2-Dibromo-3-chloropropane
Concen: 8.54 ug/L
RT: 13.183 min Scan# 1234
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:155 Resp: 13462

Ion	Ratio	Lower	Upper
155	100		
157	128.0	105.0	157.6

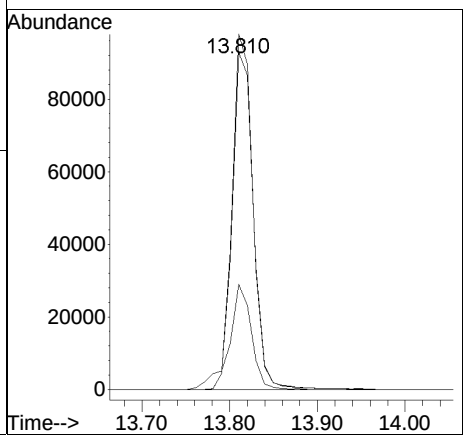


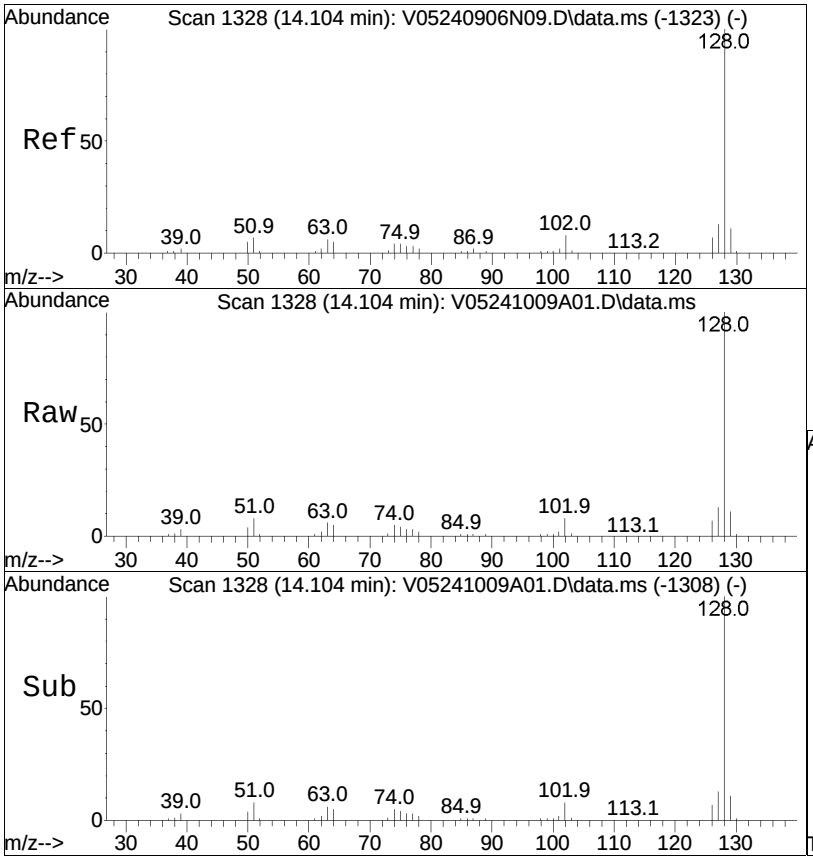


#109
1,2,4-Trichlorobenzene
Concen: 9.85 ug/L
RT: 13.810 min Scan# 1298
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:180 Resp: 161705

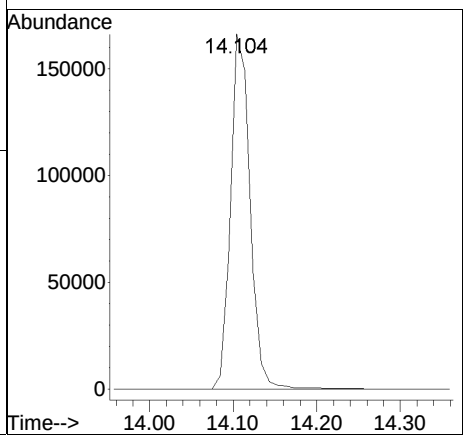
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.2	112.8
145	31.7	27.4	41.2





#110
Naphthalene
Concen: 8.30 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:128 Resp: 271902



Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A02.D
Acq On : 8 Oct 2024 7:06 am
Operator : VOA105:PID
Sample : WG1981780-4,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 07:29:03 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	578909	10.000	ug/L	0.00
Standard Area 1 = 594385			Recovery = 97.40%			
59) Chlorobenzene-d5	9.177	117	445073	10.000	ug/L	0.00
Standard Area 1 = 454960			Recovery = 97.83%			
79) 1,4-Dichlorobenzene-d4	11.949	152	265878	10.000	ug/L	0.00
Standard Area 1 = 272073			Recovery = 97.72%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	155689	9.623	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.23%			
43) 1,2-Dichloroethane-d4	5.410	65	177326	10.602	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.02%			
60) Toluene-d8	7.347	98	559775	10.414	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.14%			
83) 4-Bromofluorobenzene	10.715	95	209460	11.354	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.508	85	182996	10.799	ug/L	98
3) Chloromethane	1.674	50	137011	8.376	ug/L	97
4) Vinyl chloride	1.743	62	152781	10.734	ug/L	96
5) Bromomethane	2.026	94	25170	3.633	ug/L	96
6) Chloroethane	2.124	64	77529	7.760	ug/L	95
7) Trichlorofluoromethane	2.251	101	212230	9.908	ug/L	98
10) 1,1-Dichloroethene	2.721	96	103961	9.754	ug/L	90
11) Carbon disulfide	2.740	76	342971	10.454	ug/L	100
12) Freon-113	2.750	101	116045	9.902	ug/L #	74
15) Methylene chloride	3.259	84	135246	10.689	ug/L #	73
17) Acetone	3.317	43	24047	8.788	ug/L	97
18) trans-1,2-Dichloroethene	3.395	96	140183	11.127	ug/L	98
19) Methyl acetate	3.415	43	57447	9.572	ug/L #	80
20) Methyl tert-butyl ether	3.493	73	272750	9.832	ug/L #	86
23) 1,1-Dichloroethane	3.963	63	258424	11.262	ug/L	98
28) cis-1,2-Dichloroethene	4.471	96	152073	10.657	ug/L	99
31) Cyclohexane	4.638	56	271888	12.282	ug/L	77
32) Chloroform	4.726	83	243790	10.162	ug/L	96
34) Carbon tetrachloride	4.843	117	221675	10.763	ug/L	97
37) 1,1,1-Trichloroethane	4.912	97	235308	10.522	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A02.D
Acq On : 8 Oct 2024 7:06 am
Operator : VOA105:PID
Sample : WG1981780-4,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 07:29:03 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	2-Butanone	5.029	43	38213	9.187	ug/L	#	65
41)	Benzene	5.273	78	541349	11.100	ug/L		95
44)	1,2-Dichloroethane	5.479	62	170095	10.563	ug/L		99
47)	Methyl cyclohexane	5.831	83	242580	10.846	ug/L	#	80
48)	Trichloroethene	5.860	95	145715	10.038	ug/L		90
51)	1,2-Dichloropropane	6.398	63	136313	11.192	ug/L	#	89
54)	Bromodichloromethane	6.476	83	179134	10.043	ug/L		98
58)	cis-1,3-Dichloropropene	7.151	75	201637	10.746	ug/L	#	86
61)	Toluene	7.406	92	335061	10.724	ug/L		97
62)	4-Methyl-2-pentanone	7.856	58	27984	10.820	ug/L	#	72
63)	Tetrachloroethene	7.846	166	177924	10.792	ug/L		90
65)	trans-1,3-Dichloropropene	7.904	75	171270	11.267	ug/L		82
68)	1,1,2-Trichloroethane	8.081	83	80531	10.417	ug/L		98
69)	Chlorodibromomethane	8.286	129	132193	10.029	ug/L		98
71)	1,2-Dibromoethane	8.560	107	108327	10.408	ug/L		98
72)	2-Hexanone	8.853	43	52049	10.093	ug/L	#	86
73)	Chlorobenzene	9.196	112	381243	10.322	ug/L		89
74)	Ethylbenzene	9.235	91	667184	10.693	ug/L		94
76)	p/m Xylene	9.422	106	525039	21.791	ug/L		86
77)	o Xylene	9.960	106	499159	21.868	ug/L		86
78)	Styrene	10.039	104	797584	21.117	ug/L		89
80)	Bromoform	10.068	173	76424	9.702	ug/L		97
82)	Isopropylbenzene	10.362	105	707619	11.507	ug/L		95
85)	n-Propylbenzene	10.862	91	813133	11.317	ug/L		94
87)	1,1,2,2-Tetrachloroethane	10.979	83	108491	10.159	ug/L		99
90)	1,3,5-Trimethylbenzene	11.097	105	586649	11.104	ug/L		93
94)	tert-Butylbenzene	11.449	119	519620	11.231	ug/L		97
97)	1,2,4-Trimethylbenzene	11.528	105	566506	11.195	ug/L		94
98)	sec-Butylbenzene	11.635	105	751484	11.101	ug/L		97
99)	p-Isopropyltoluene	11.802	119	656774	11.254	ug/L		94
100)	1,3-Dichlorobenzene	11.871	146	336231	10.527	ug/L		96
101)	1,4-Dichlorobenzene	11.969	146	336385	10.246	ug/L		96
103)	n-Butylbenzene	12.243	91	533558	11.120	ug/L		97
104)	1,2-Dichlorobenzene	12.390	146	302455	10.483	ug/L		96
106)	1,2-Dibromo-3-chloropr...	13.183	155	17130	9.232	ug/L		98
109)	1,2,4-Trichlorobenzene	13.810	180	200857	10.433	ug/L		98
110)	Naphthalene	14.104	128	372175	9.613	ug/L		100

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

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A02.D
Acq On : 8 Oct 2024 7:06 am
Operator : VOA105:PID
Sample : WG1981780-4,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 07:29:03 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241008A\V05241008A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

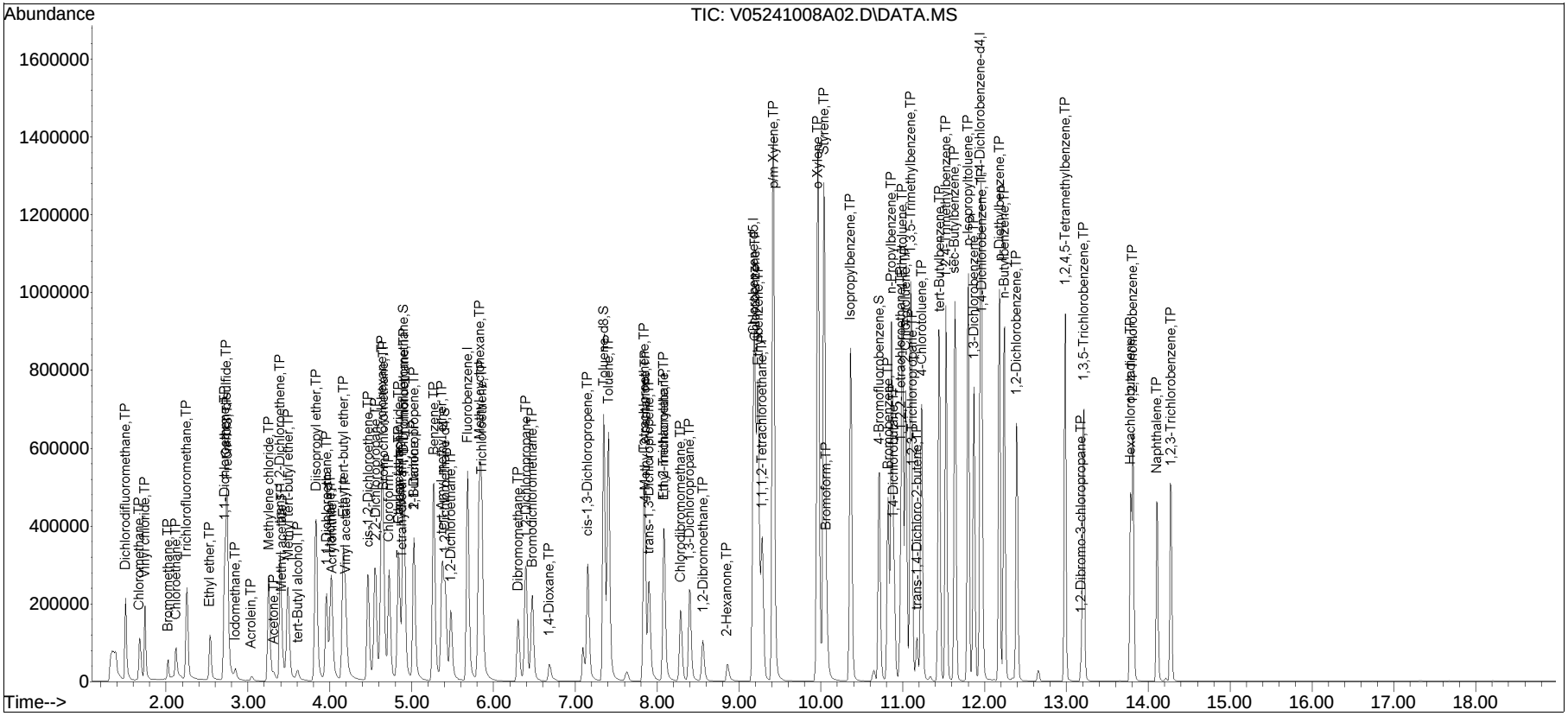
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

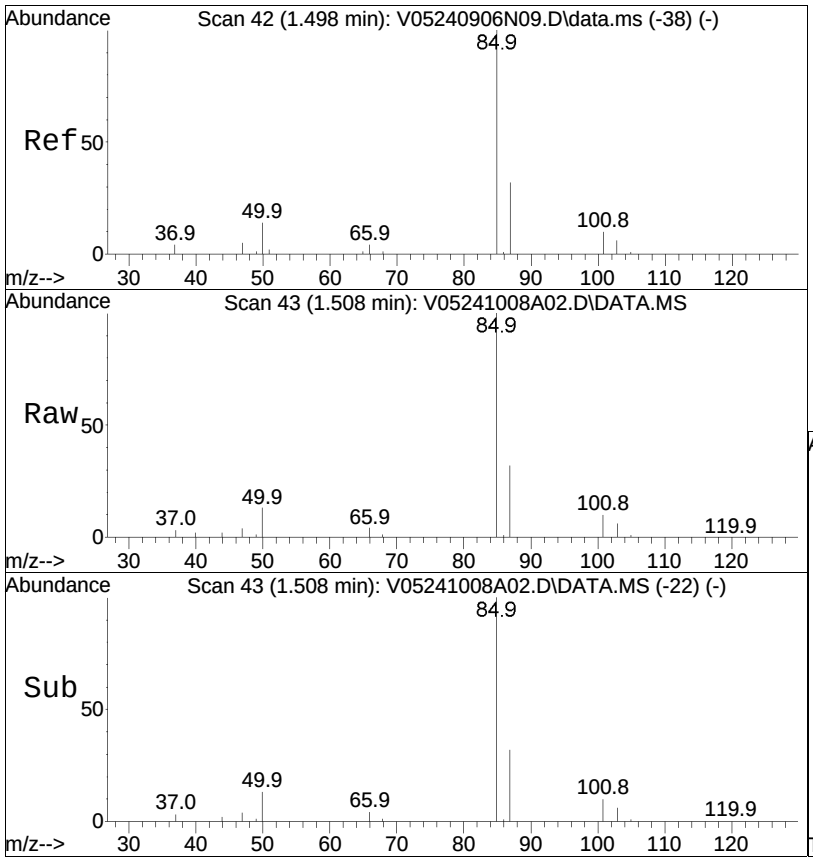
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241008A\
Data File : V05241008A02.D
Acq On : 8 Oct 2024 7:06 am
Operator : VOA105:PID
Sample : WG1981780-4,31,10,10
Misc : WG1981780,ICAL21466
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 07:29:03 2024
Quant Method : K:\VOA105\2024\241008A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE01.D•

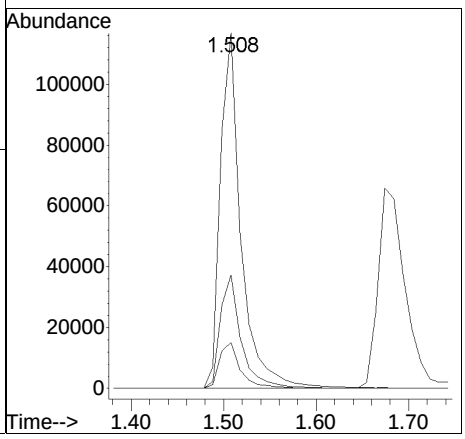


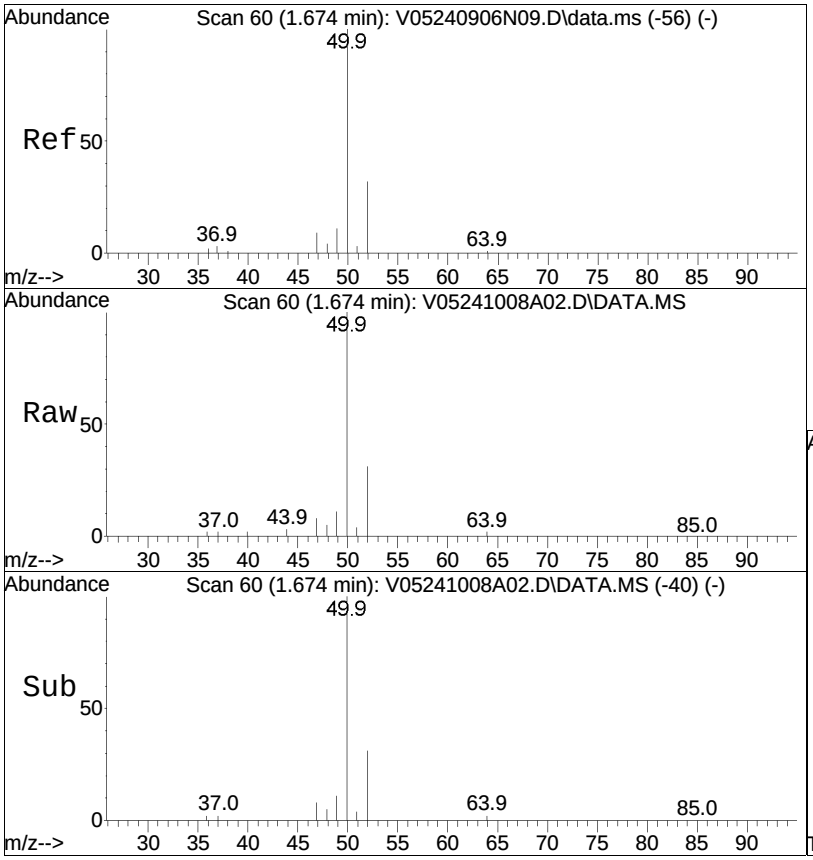


#2
Dichlorodifluoromethane
Concen: 10.80 ug/L
RT: 1.508 min Scan# 43
Delta R.T. 0.010 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 85 Resp: 182996

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.9	43.5
50	13.1	6.8	14.0

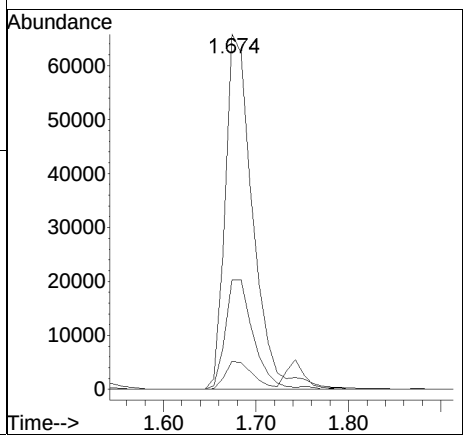


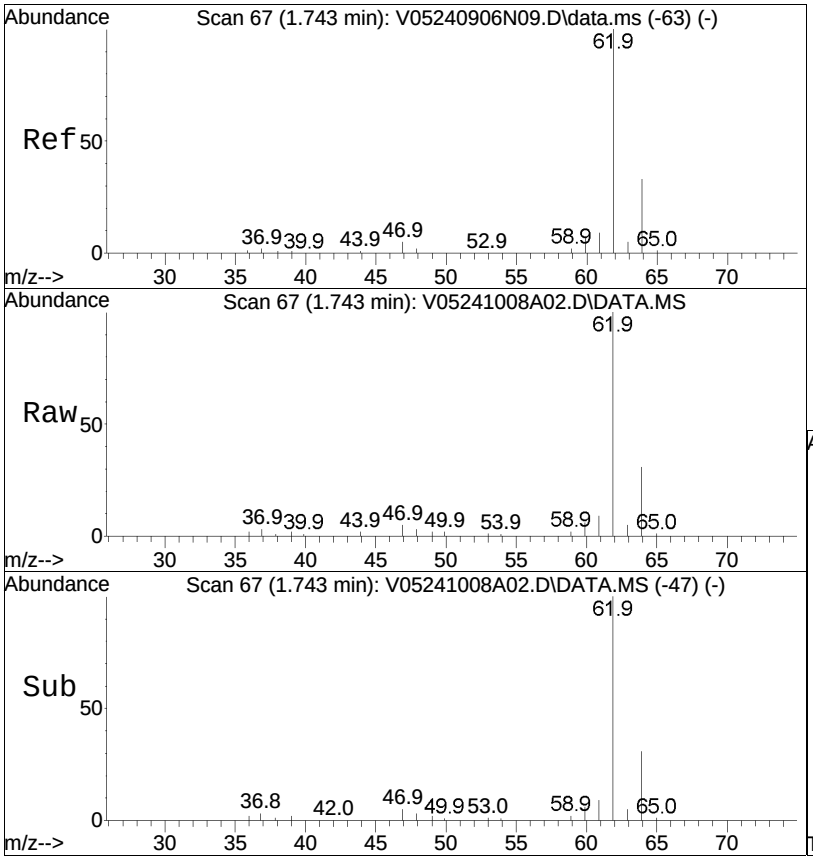


#3
Chloromethane
Concen: 8.38 ug/L
RT: 1.674 min Scan# 60
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 50 Resp: 137011

Ion	Ratio	Lower	Upper
50	100		
52	31.5	12.6	52.6
47	8.0	0.0	30.1

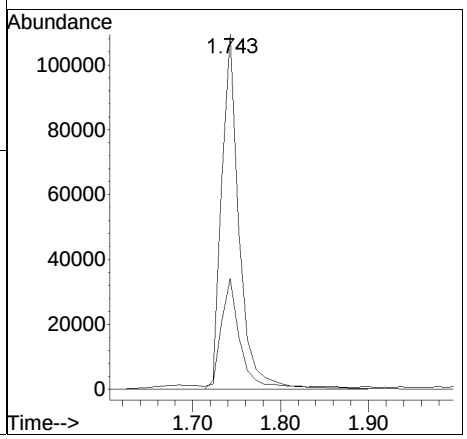


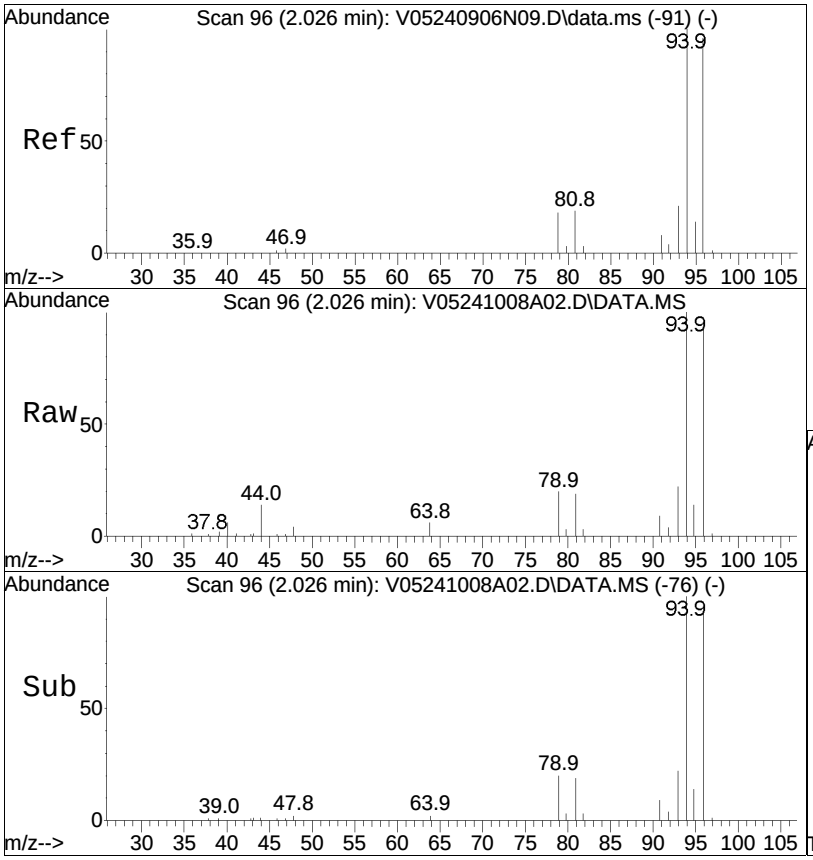


#4
Vinyl chloride
Concen: 10.73 ug/L
RT: 1.743 min Scan# 67
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 62 Resp: 152781

Ion	Ratio	Lower	Upper
62	100		
64	31.5	13.5	53.5

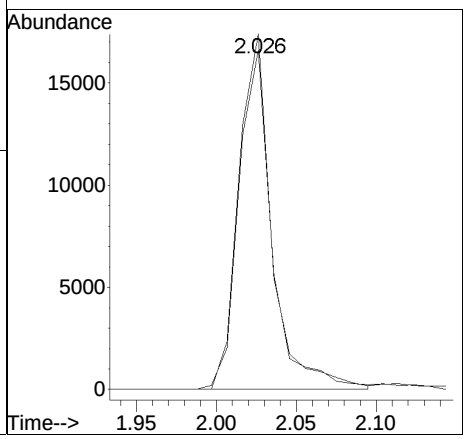


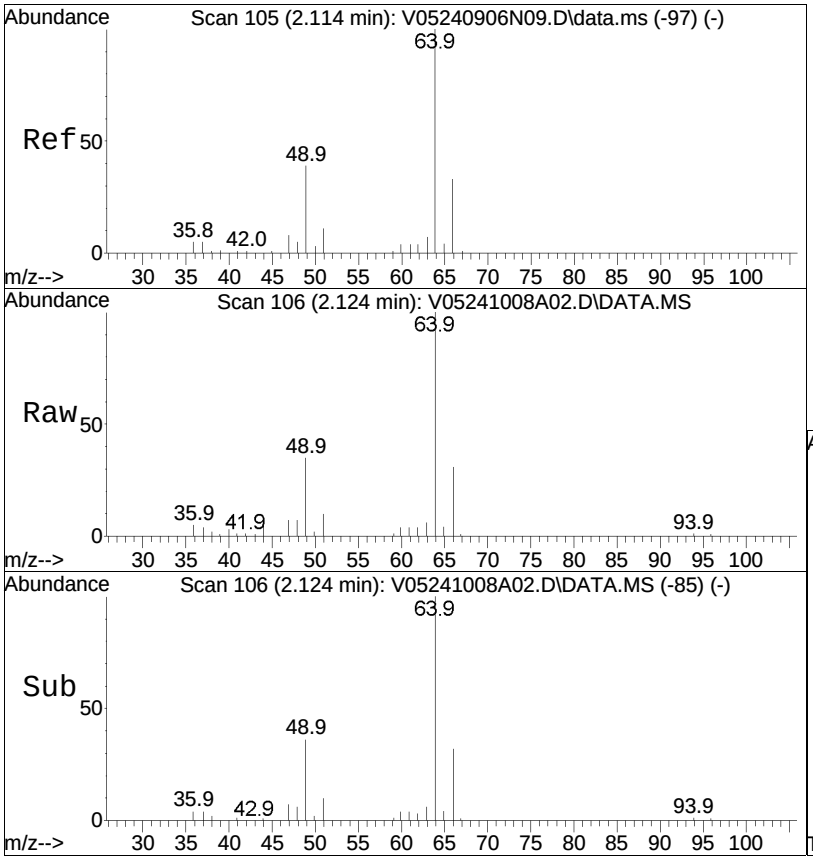


#5
Bromomethane
Concen: 3.63 ug/L
RT: 2.026 min Scan# 96
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 94 Resp: 25170

Ion	Ratio	Lower	Upper
94	100		
96	98.8	75.4	115.4

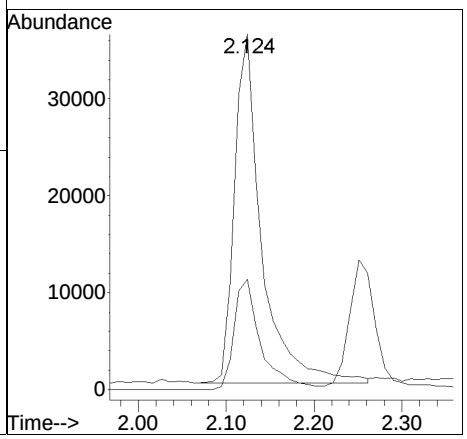


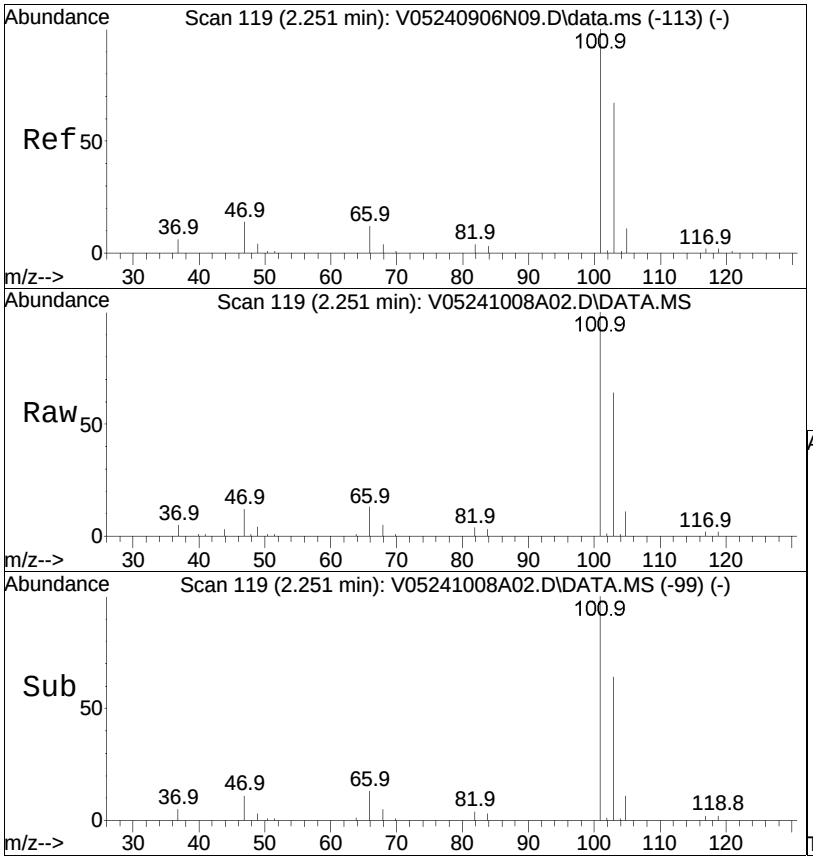


#6
Chloroethane
Concen: 7.76 ug/L
RT: 2.124 min Scan# 106
Delta R.T. 0.010 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 64 Resp: 77529

Ion	Ratio	Lower	Upper
64	100		
66	31.0	13.8	53.8

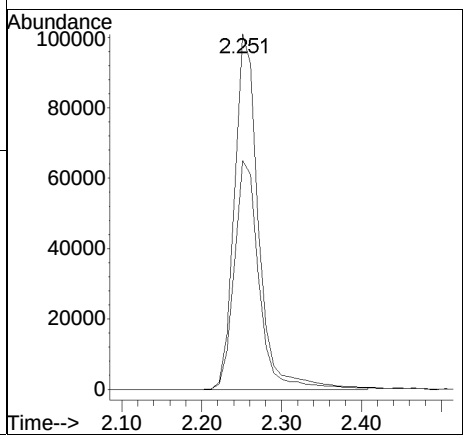


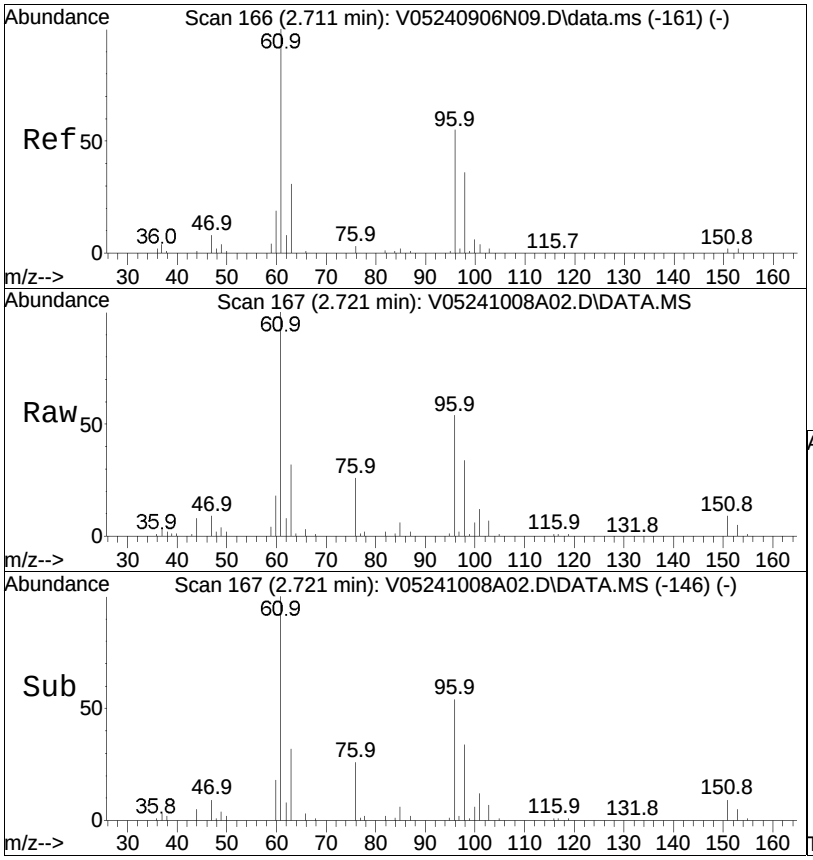


#7
Trichlorofluoromethane
Concen: 9.91 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:101 Resp: 212230

Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6

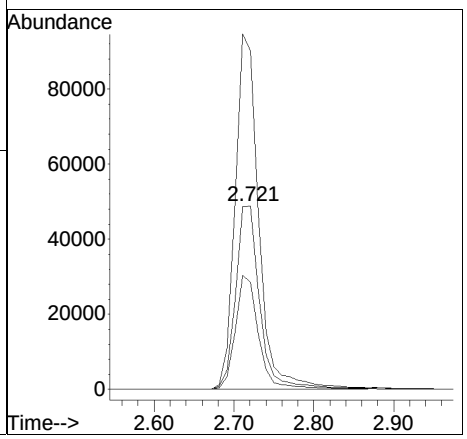


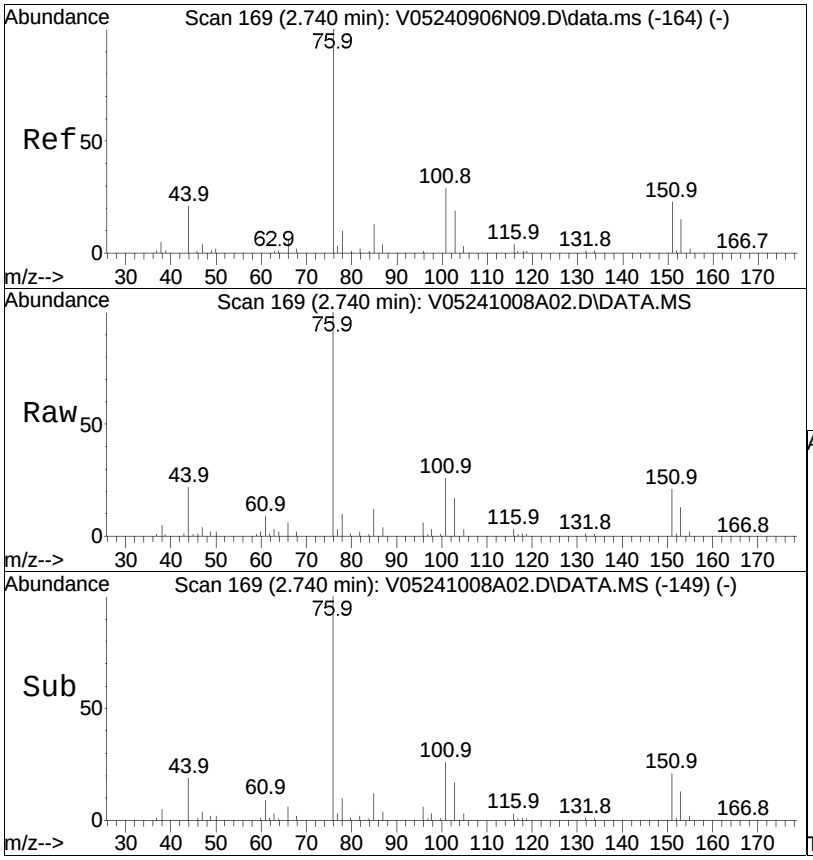


#10
1,1-Dichloroethene
Concen: 9.75 ug/L
RT: 2.721 min Scan# 167
Delta R.T. 0.010 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 96 Resp: 103961

Ion	Ratio	Lower	Upper
96	100		
61	187.8	136.7	205.1
63	59.5	45.0	67.6

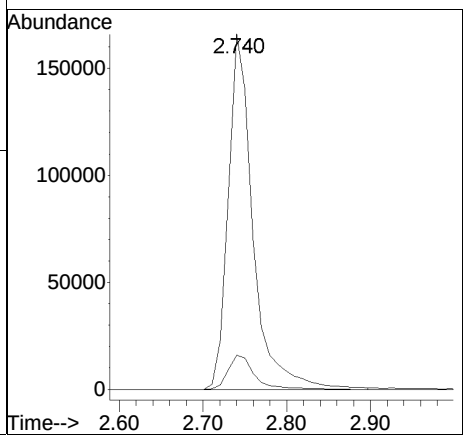


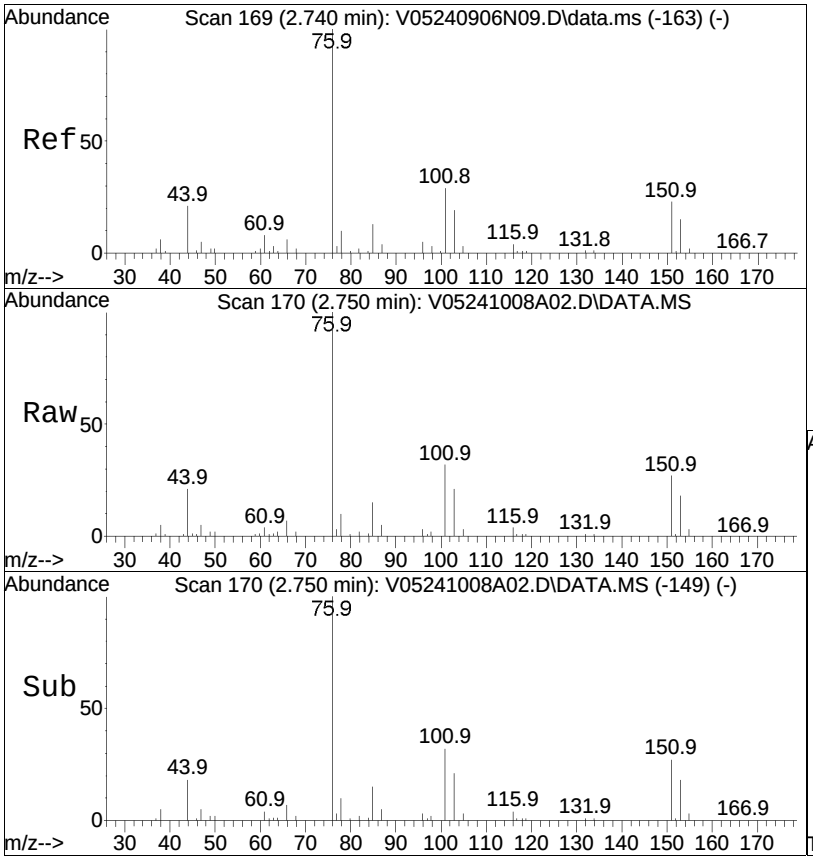


#11
Carbon disulfide
Concen: 10.45 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 76 Resp: 342971

Ion	Ratio	Lower	Upper
76	100		
78	10.3	6.7	13.9

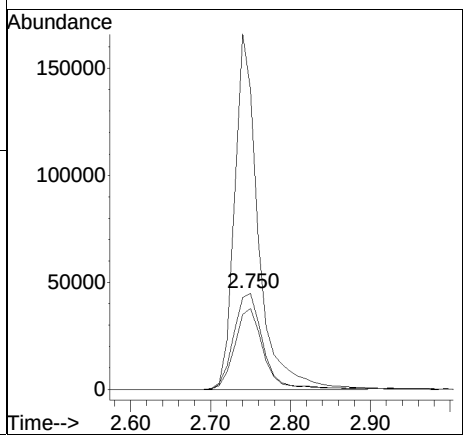


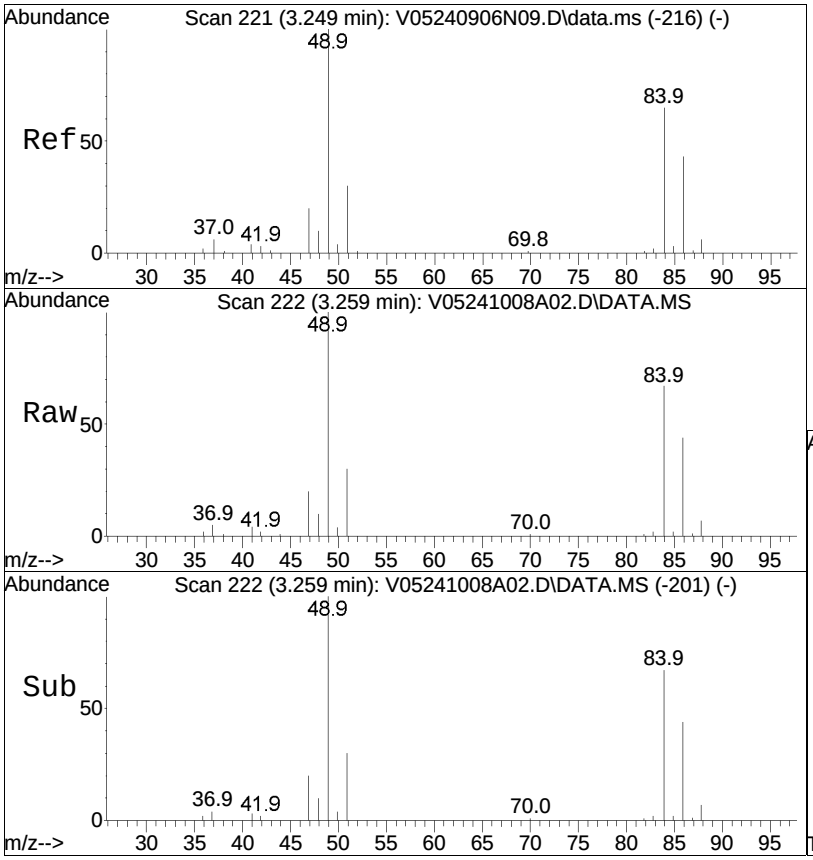


#12
Freon-113
Concen: 9.90 ug/L
RT: 2.750 min Scan# 170
Delta R.T. 0.010 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:101 Resp: 116045

Ion	Ratio	Lower	Upper
101	100		
151	82.1	65.0	97.6
76	295.6	190.0	285.0#

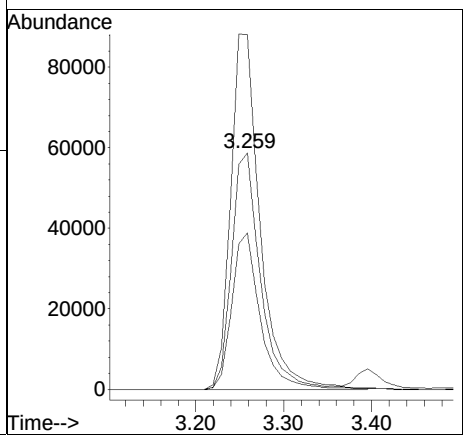


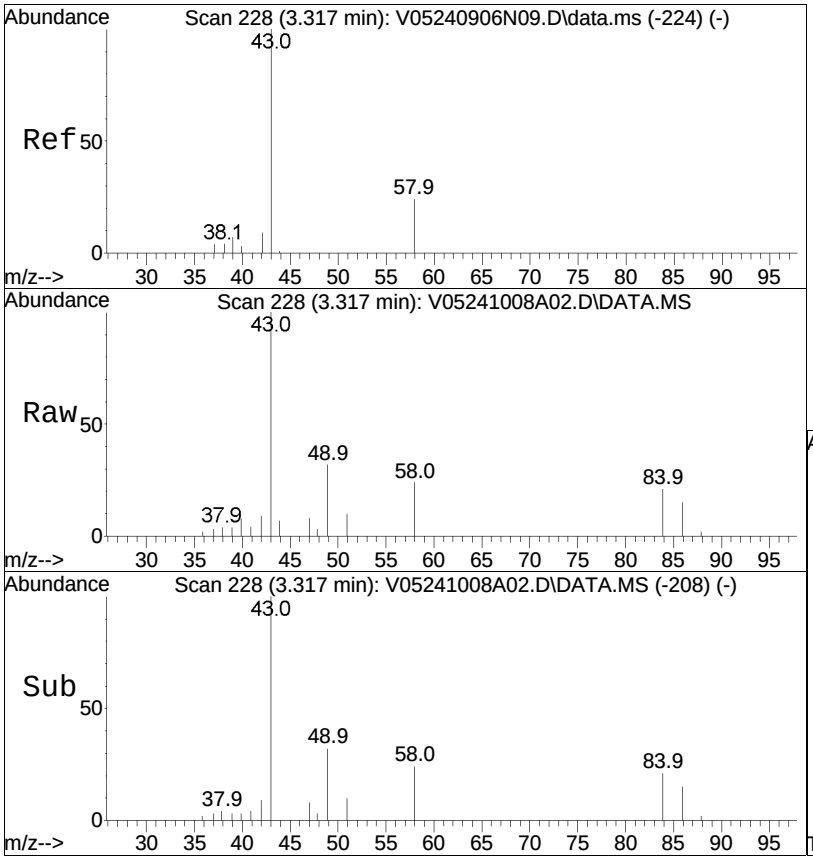


#15
Methylene chloride
Concen: 10.69 ug/L
RT: 3.259 min Scan# 222
Delta R.T. 0.010 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 84 Resp: 135246

Ion	Ratio	Lower	Upper
84	100		
86	64.9	42.1	87.5
49	151.7	69.3	143.9#

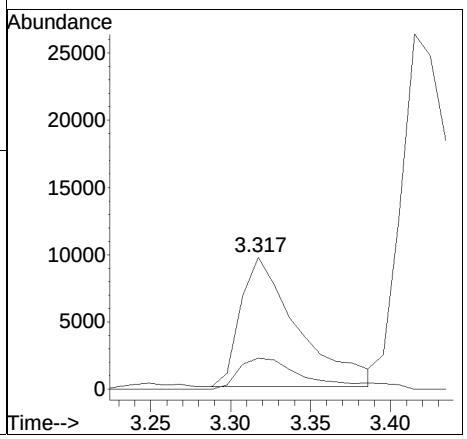


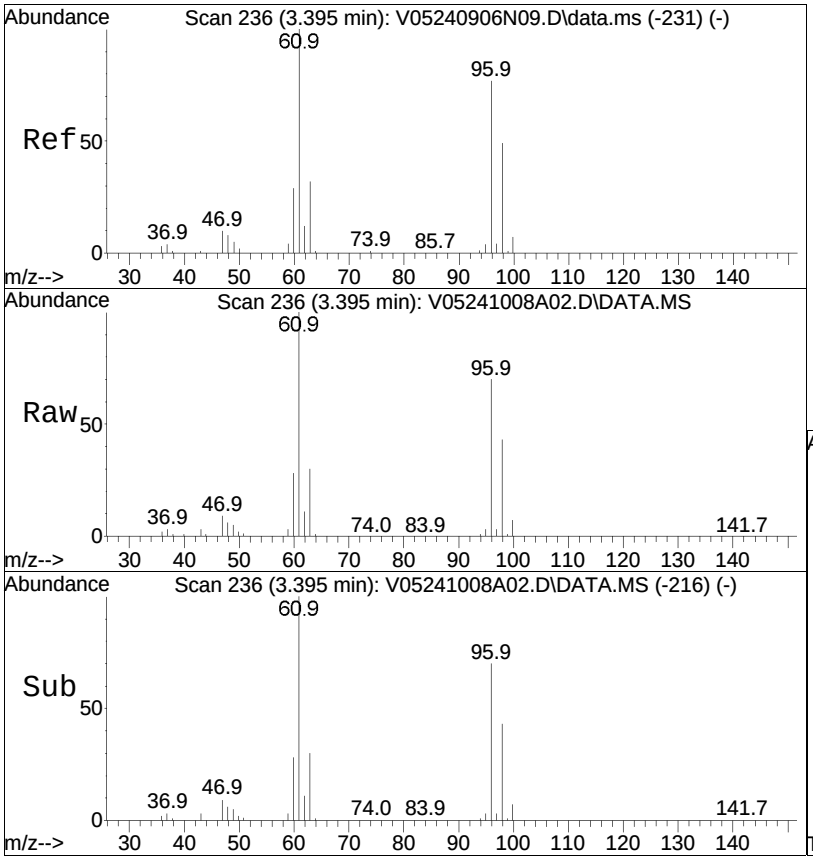


#17
Acetone
Concen: 8.79 ug/L
RT: 3.317 min Scan# 228
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 43 Resp: 24047

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.0	33.0

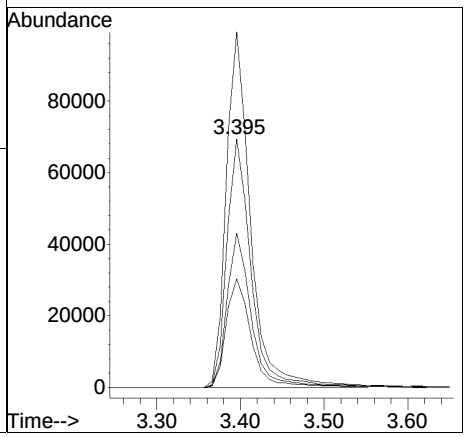


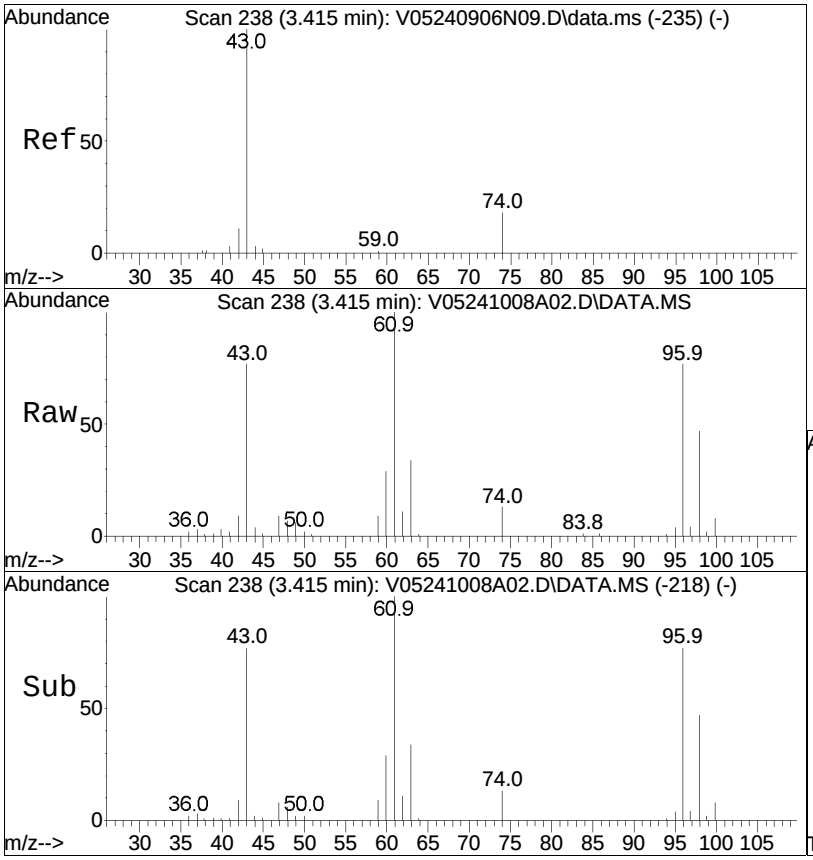


#18
trans-1,2-Dichloroethene
Concen: 11.13 ug/L
RT: 3.395 min Scan# 236
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 96 Resp: 140183

Ion	Ratio	Lower	Upper
96	100		
61	143.8	91.7	190.5
98	62.2	41.1	85.5
63	45.4	29.4	61.0

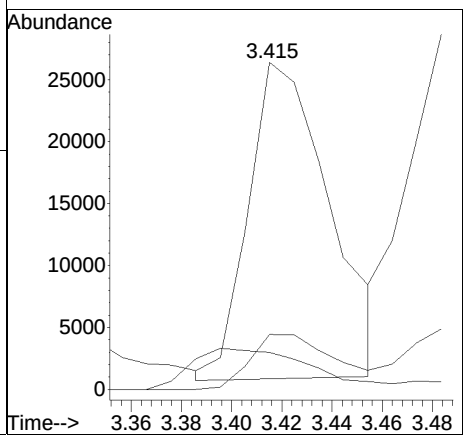


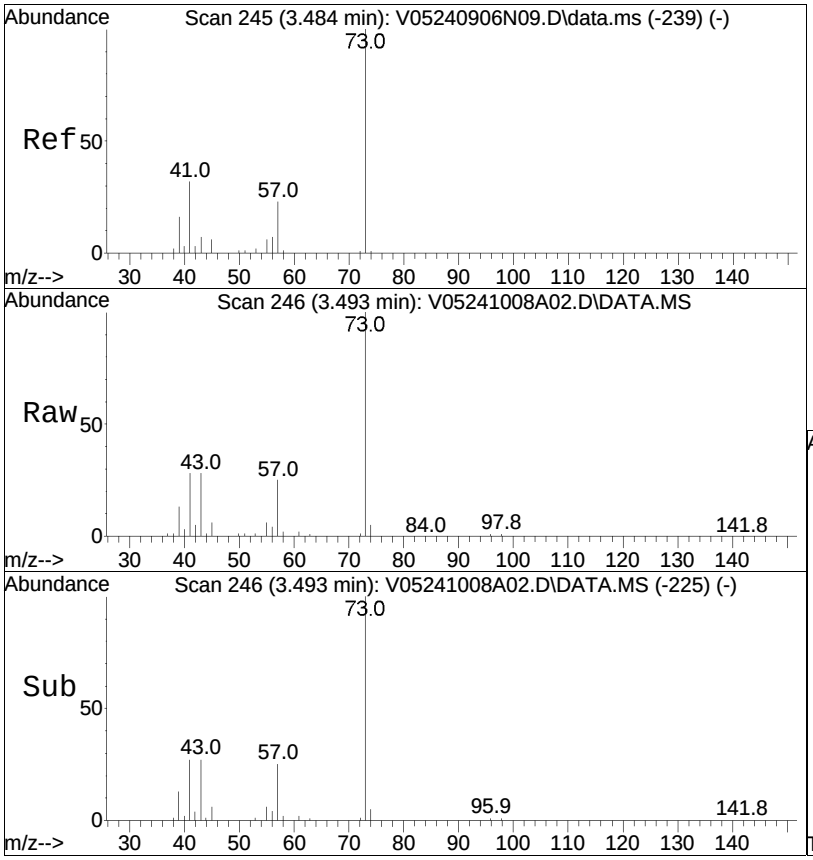


#19
Methyl acetate
Concen: 9.57 ug/L
RT: 3.415 min Scan# 238
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 43 Resp: 57447

Ion	Ratio	Lower	Upper
43	100		
74	18.2	23.1	34.7#
59	19.0	23.9	35.9#

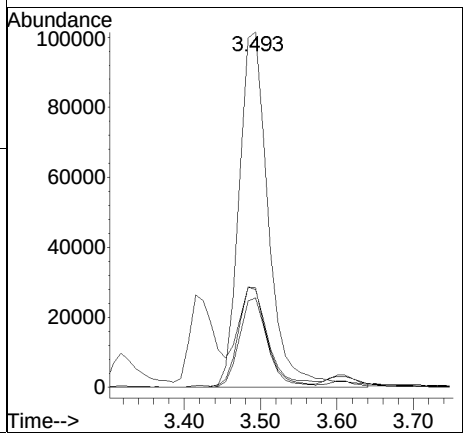


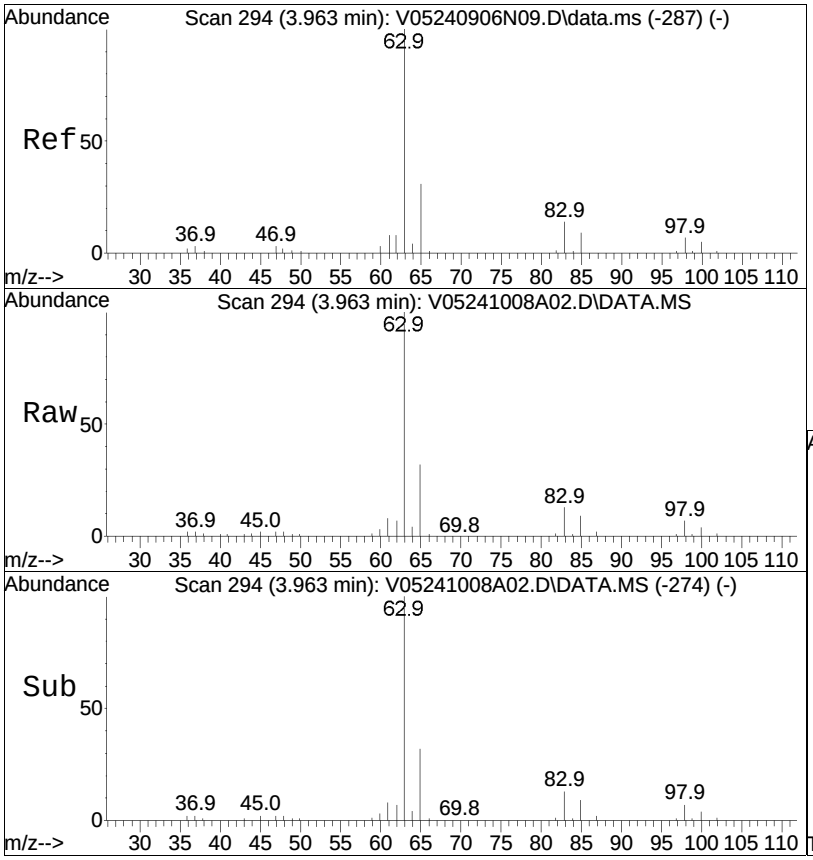


#20
Methyl tert-butyl ether
Concen: 9.83 ug/L
RT: 3.493 min Scan# 246
Delta R.T. 0.009 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 73 Resp: 272750

Ion	Ratio	Lower	Upper
73	100		
57	24.2	11.8	24.6
43	26.3	13.5	27.9
41	28.2	13.3	27.5#

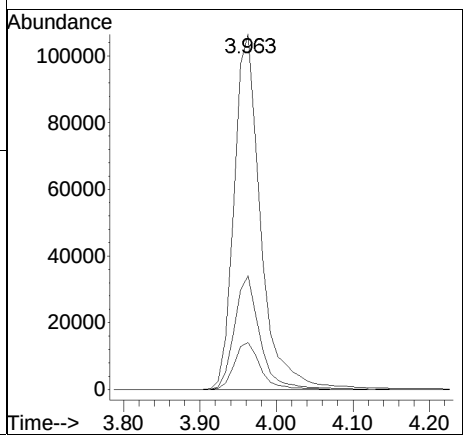


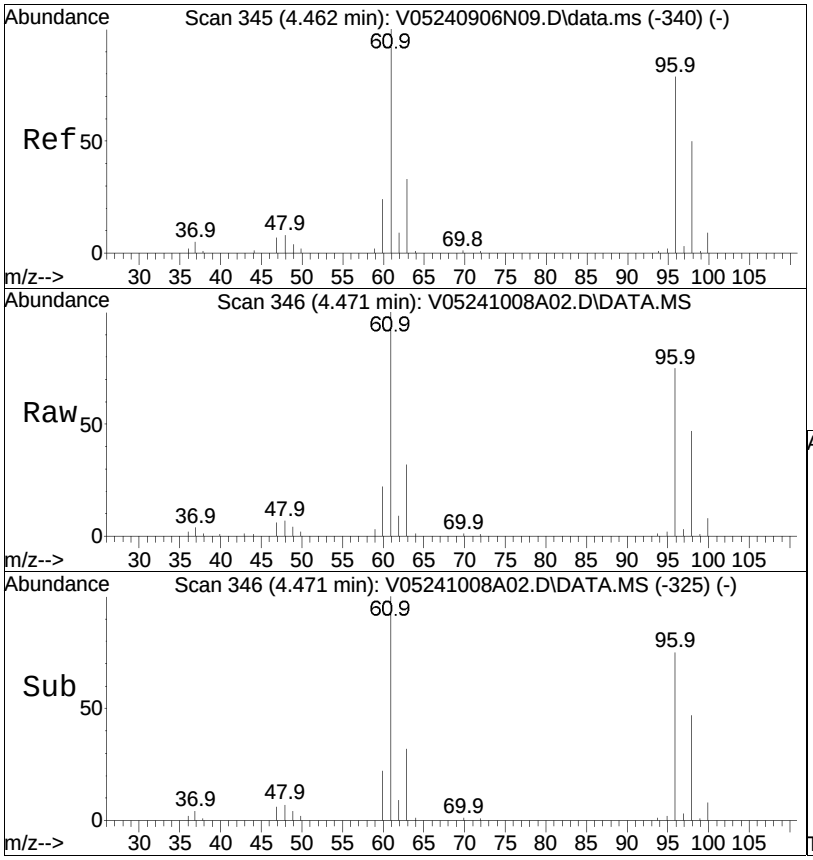


#23
1,1-Dichloroethane
Concen: 11.26 ug/L
RT: 3.963 min Scan# 294
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 63 Resp: 258424

Ion	Ratio	Lower	Upper
63	100		
65	30.8	11.9	51.9
83	12.9	0.0	34.2

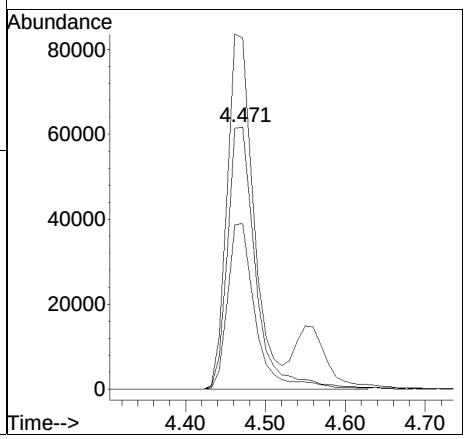


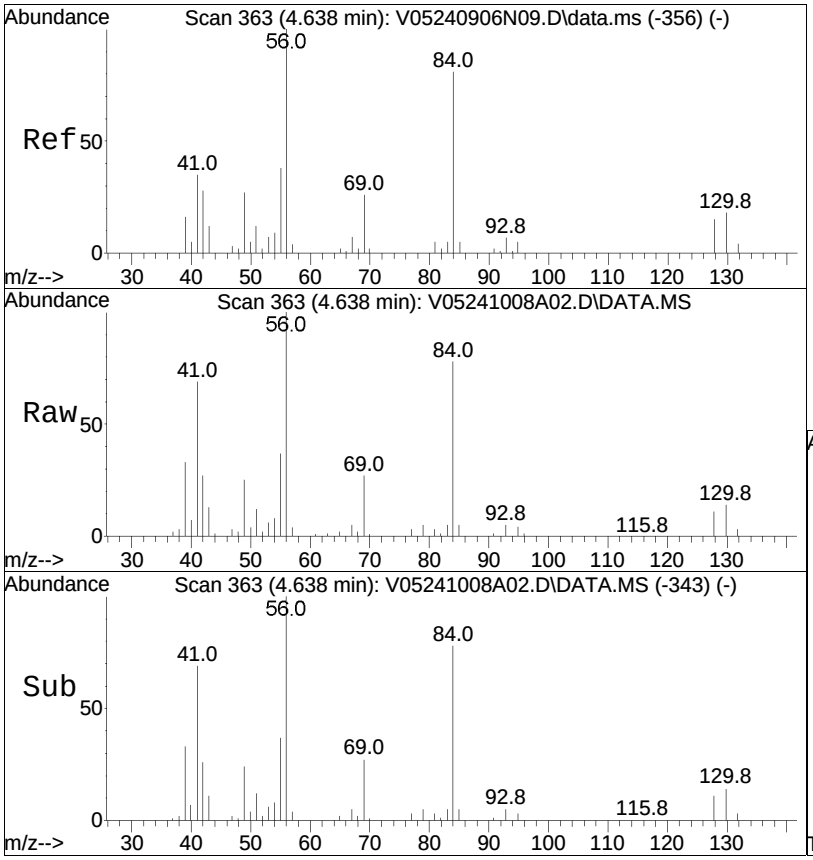


#28
cis-1,2-Dichloroethene
Concen: 10.66 ug/L
RT: 4.471 min Scan# 346
Delta R.T. 0.009 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 96 Resp: 152073

Ion	Ratio	Lower	Upper
96	100		
61	127.1	100.5	150.7
98	62.8	49.8	74.8

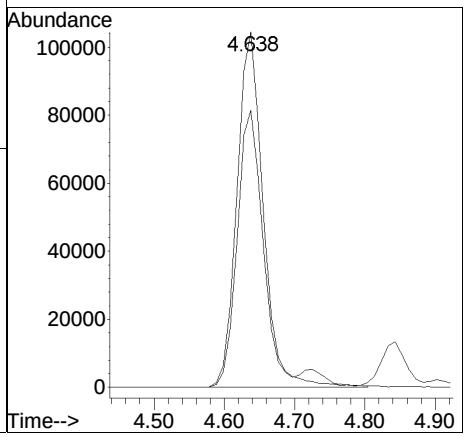


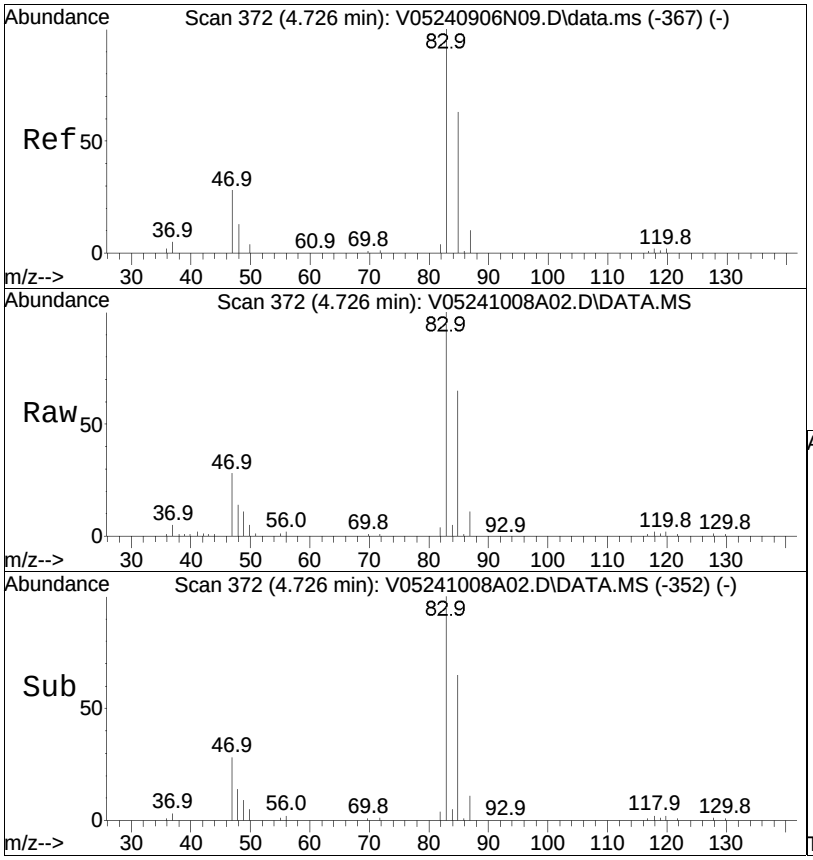


#31
Cyclohexane
Concen: 12.28 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 56 Resp: 271888

Ion	Ratio	Lower	Upper
56	100		
84	76.5	64.4	133.8

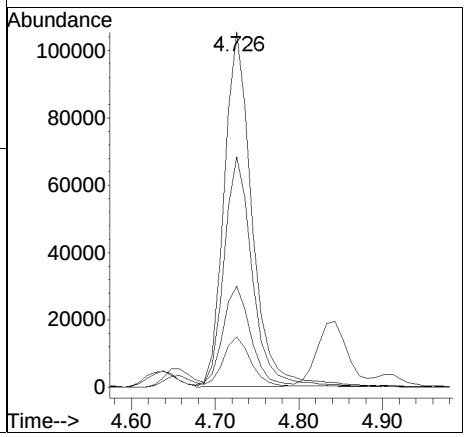


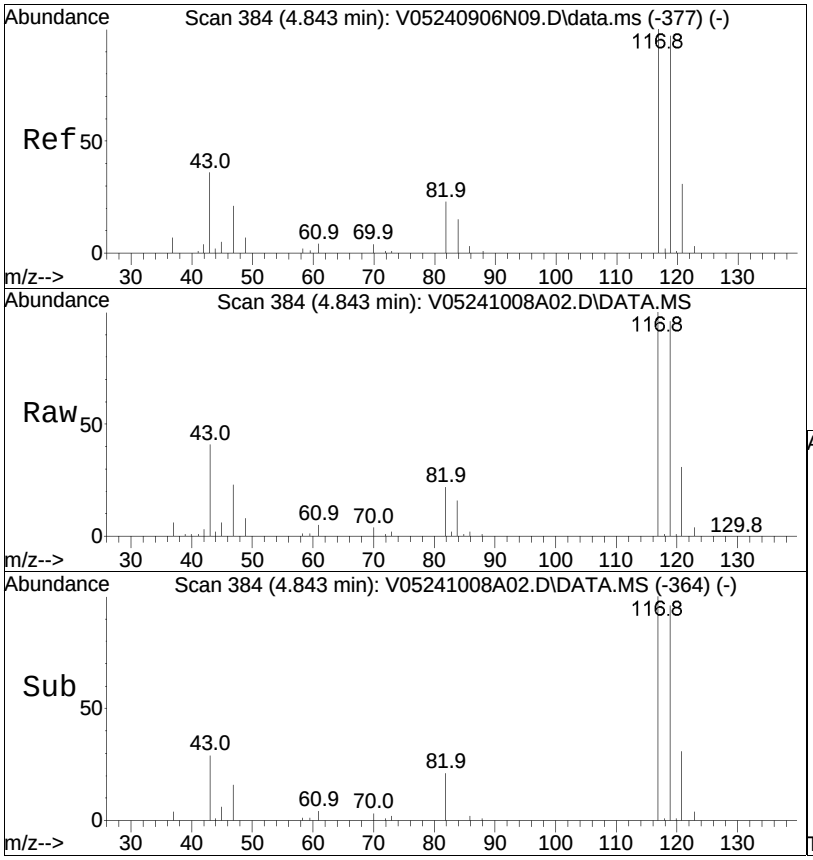


#32
Chloroform
Concen: 10.16 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 83 Resp: 243790

Ion	Ratio	Lower	Upper
83	100		
85	66.0	42.8	89.0
47	26.6	13.7	28.4
48	13.6	6.9	14.3

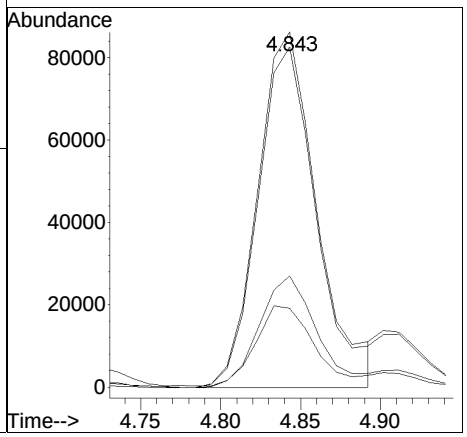


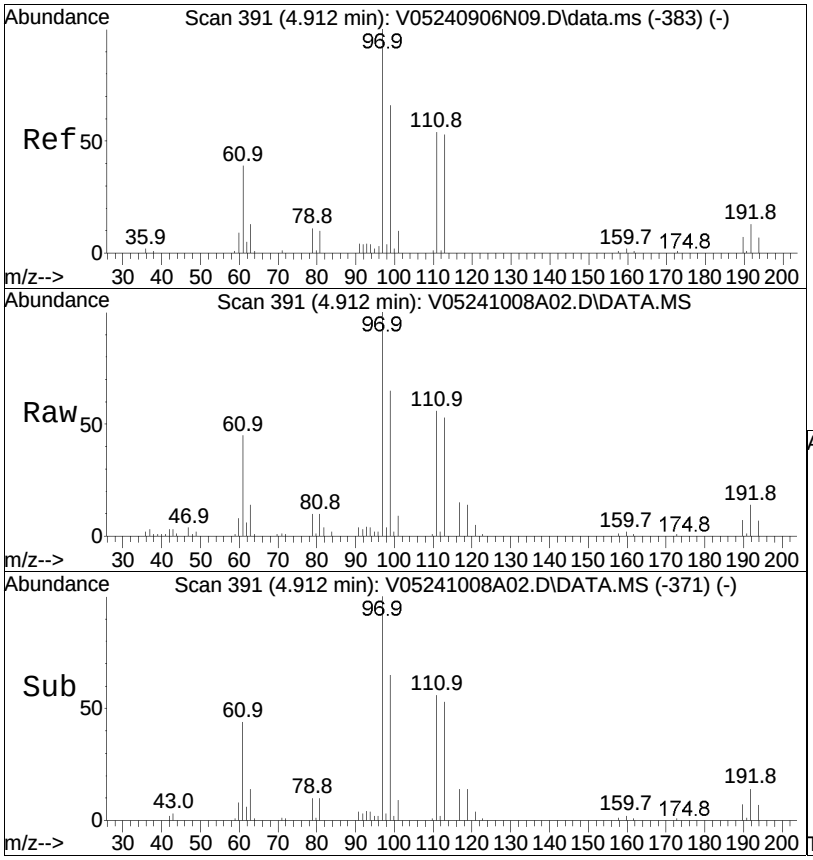


#34
Carbon tetrachloride
Concen: 10.76 ug/L
RT: 4.843 min Scan# 384
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:117 Resp: 221675

Ion	Ratio	Lower	Upper
117	100		
119	94.9	63.6	132.2
121	30.8	19.8	41.0
82	21.9	15.9	32.9

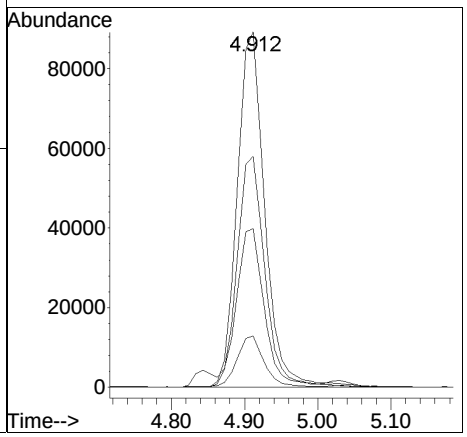


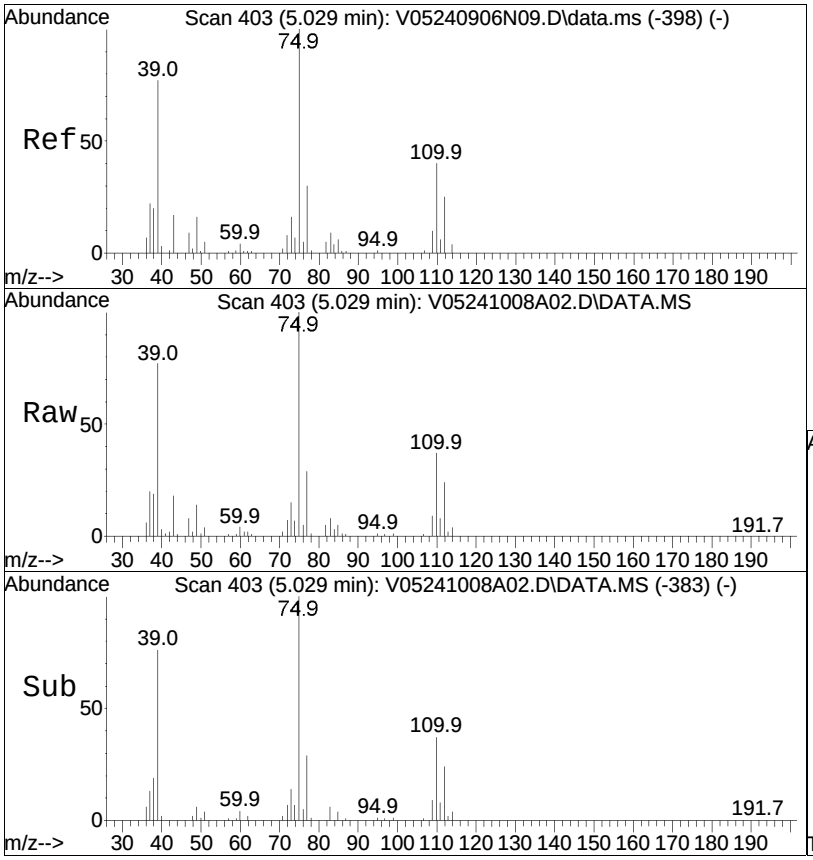


#37
1,1,1-Trichloroethane
Concen: 10.52 ug/L
RT: 4.912 min Scan# 391
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 97 Resp: 235308

Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.7	86.5
61	44.6	26.1	54.3
63	14.5	8.5	17.6

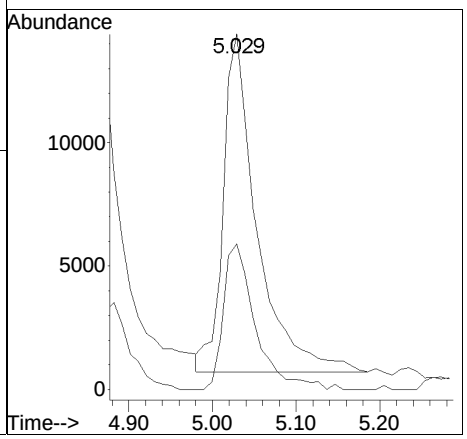


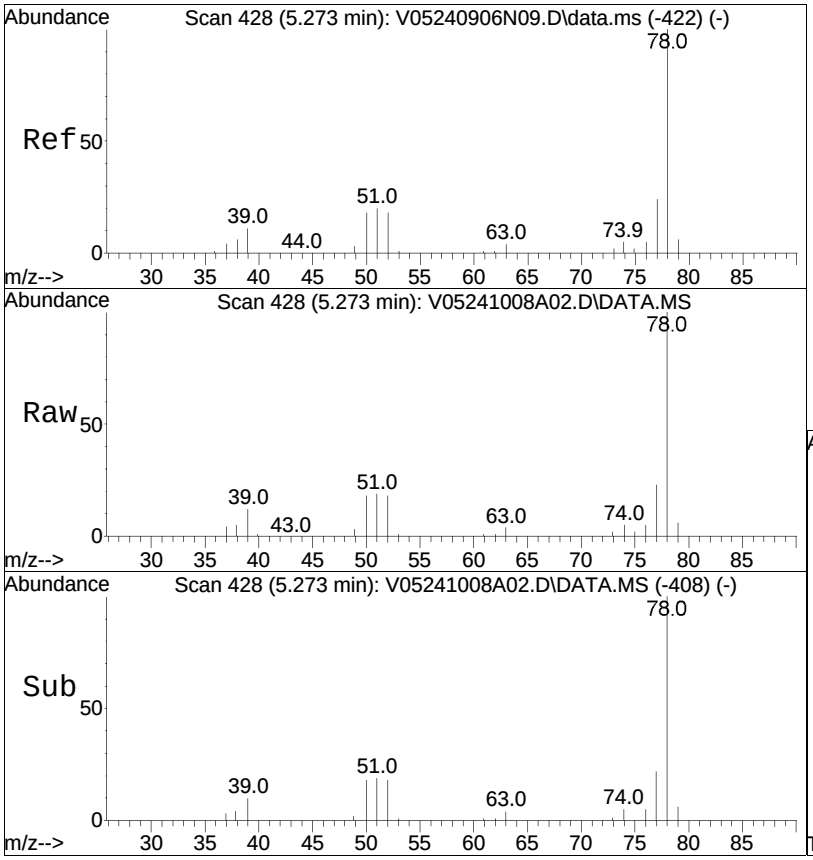


#39
2-Butanone
Concen: 9.19 ug/L
RT: 5.029 min Scan# 403
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 43 Resp: 38213

Ion	Ratio	Lower	Upper
43	100		
72	41.1	55.6	83.4#

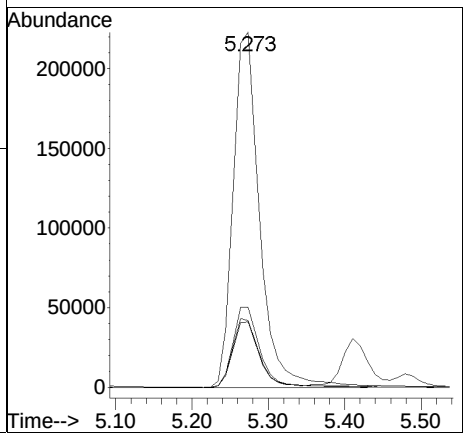


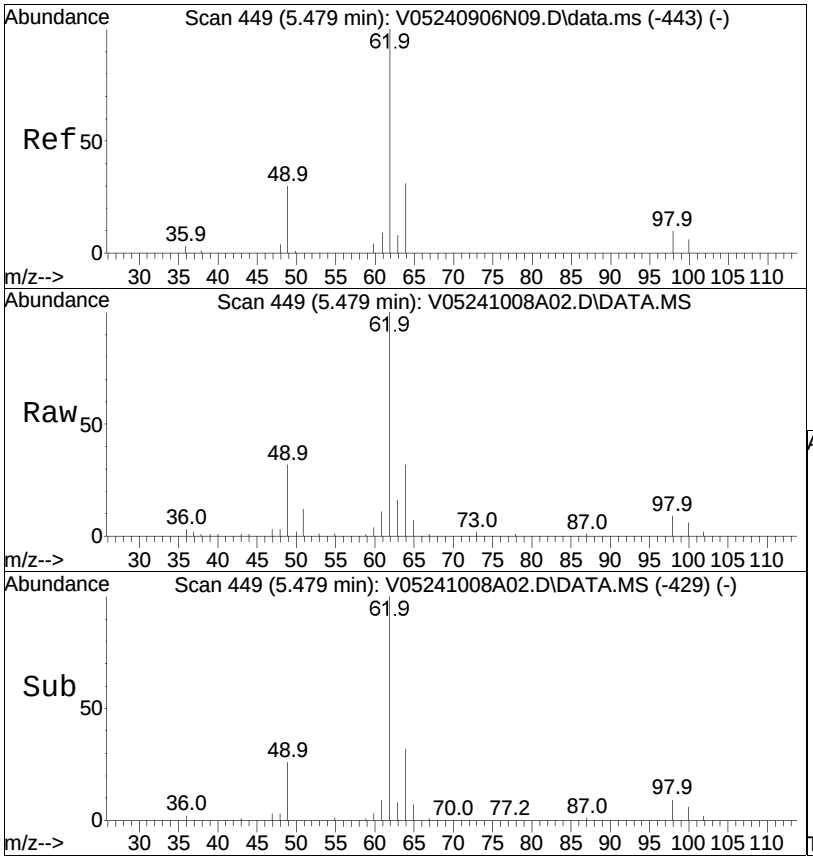


#41
Benzene
Concen: 11.10 ug/L
RT: 5.273 min Scan# 428
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 78 Resp: 541349

Ion	Ratio	Lower	Upper
78	100		
77	23.1	15.2	31.6
51	19.2	10.5	21.7
52	19.2	9.5	19.7

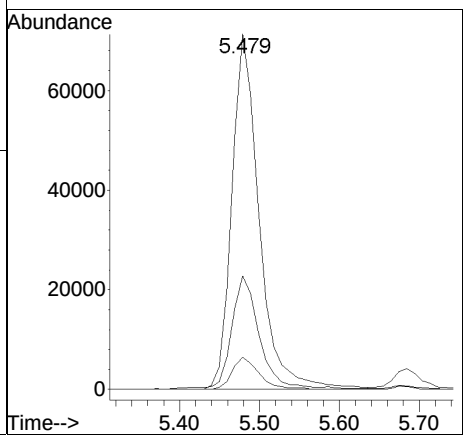


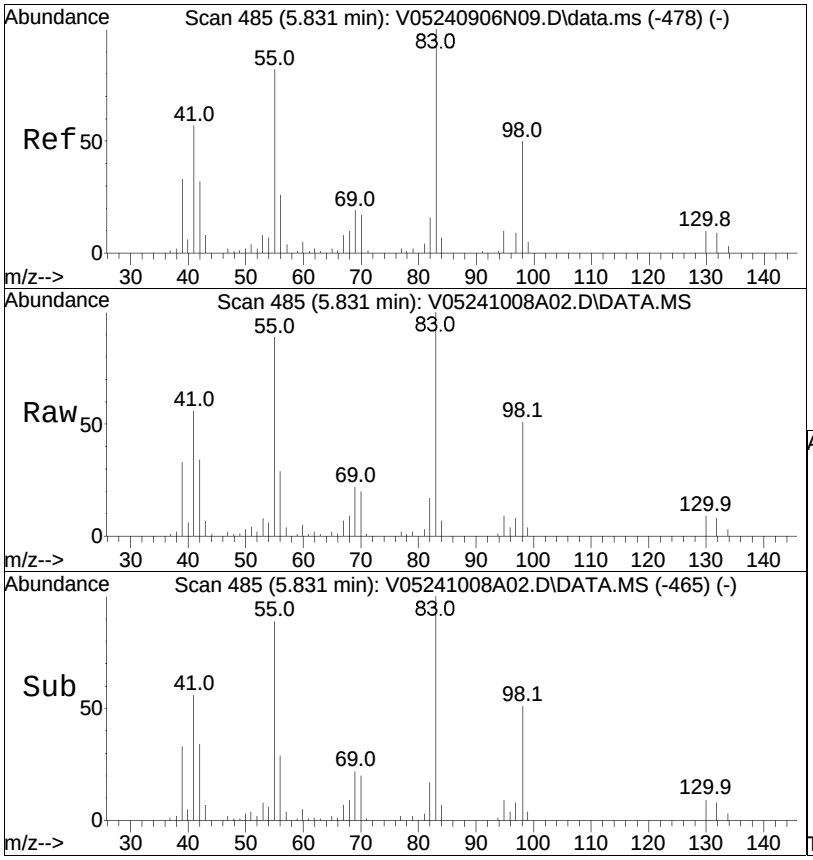


#44
1,2-Dichloroethane
Concen: 10.56 ug/L
RT: 5.479 min Scan# 449
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 62 Resp: 170095

Ion	Ratio	Lower	Upper
62	100		
64	33.0	13.2	53.2
98	8.9	0.0	27.8

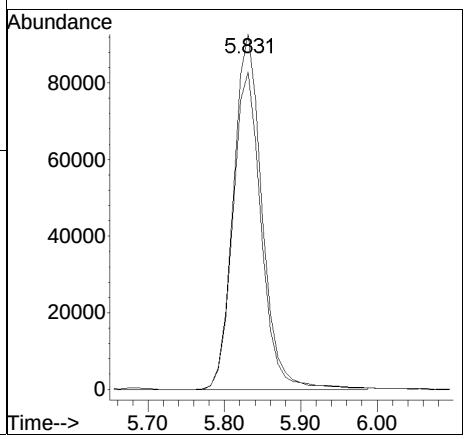


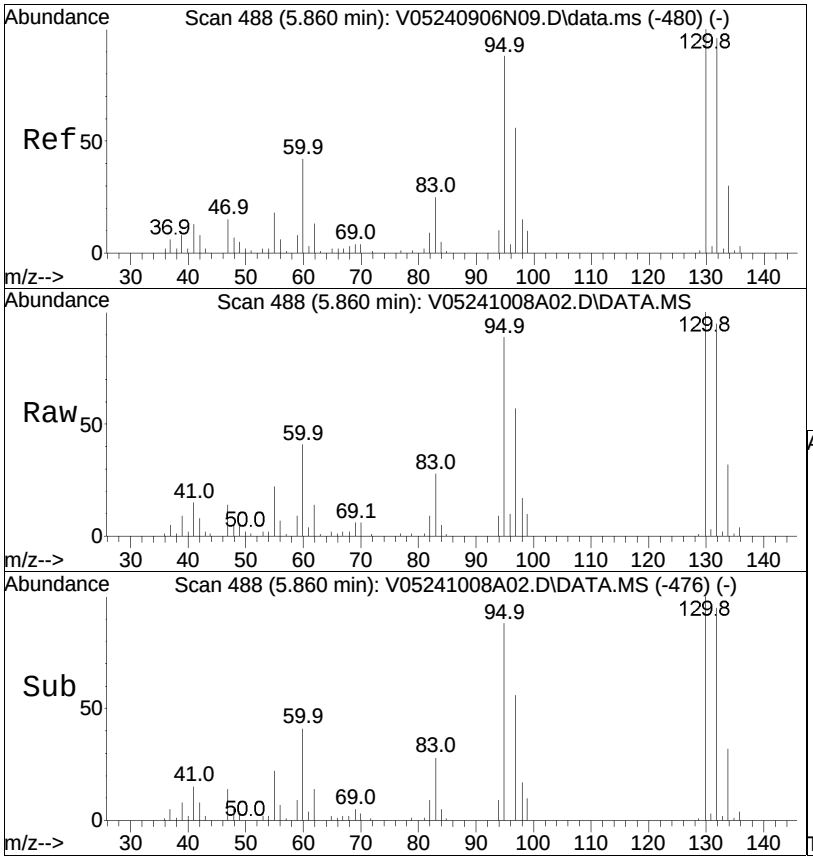


#47
Methyl cyclohexane
Concen: 10.85 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 83 Resp: 242580

Ion	Ratio	Lower	Upper
83	100		
55	88.3	57.3	85.9#

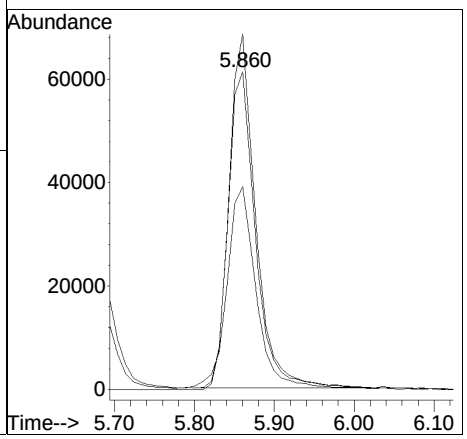


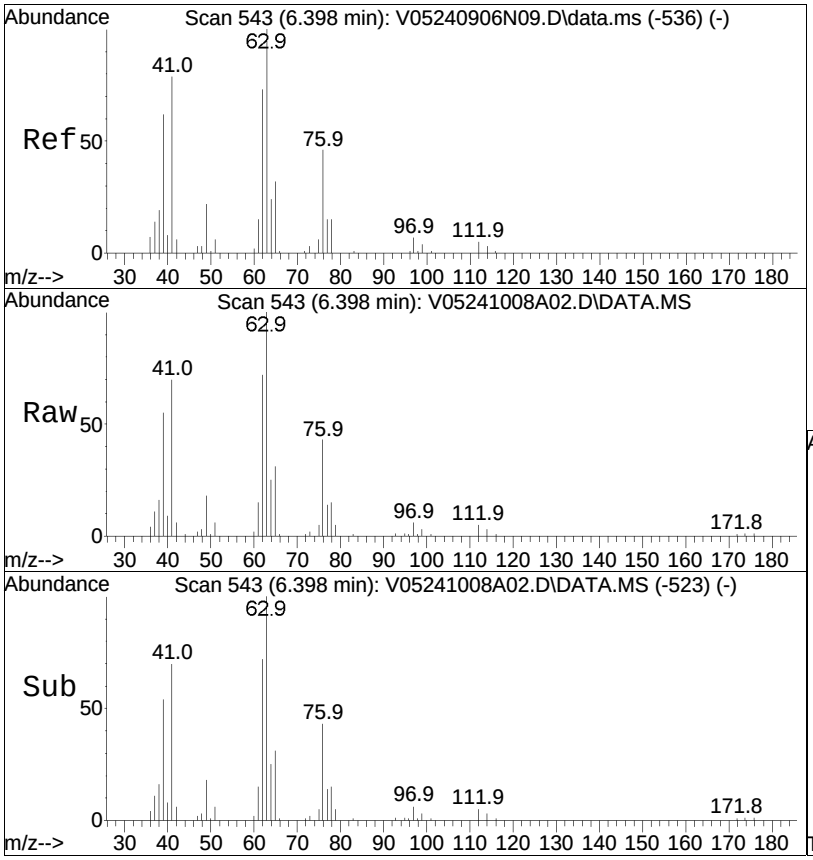


#48
Trichloroethene
Concen: 10.04 ug/L
RT: 5.860 min Scan# 488
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 95 Resp: 145715

Ion	Ratio	Lower	Upper
95	100		
97	67.7	56.1	84.1
130	111.4	77.7	116.5

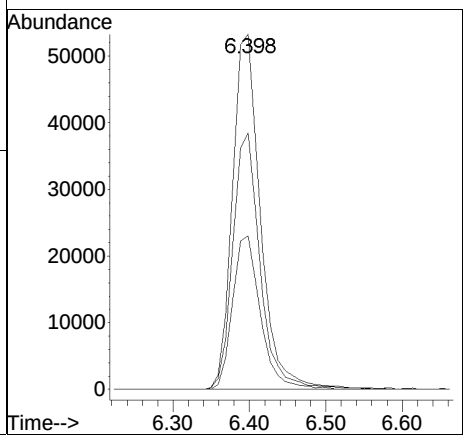


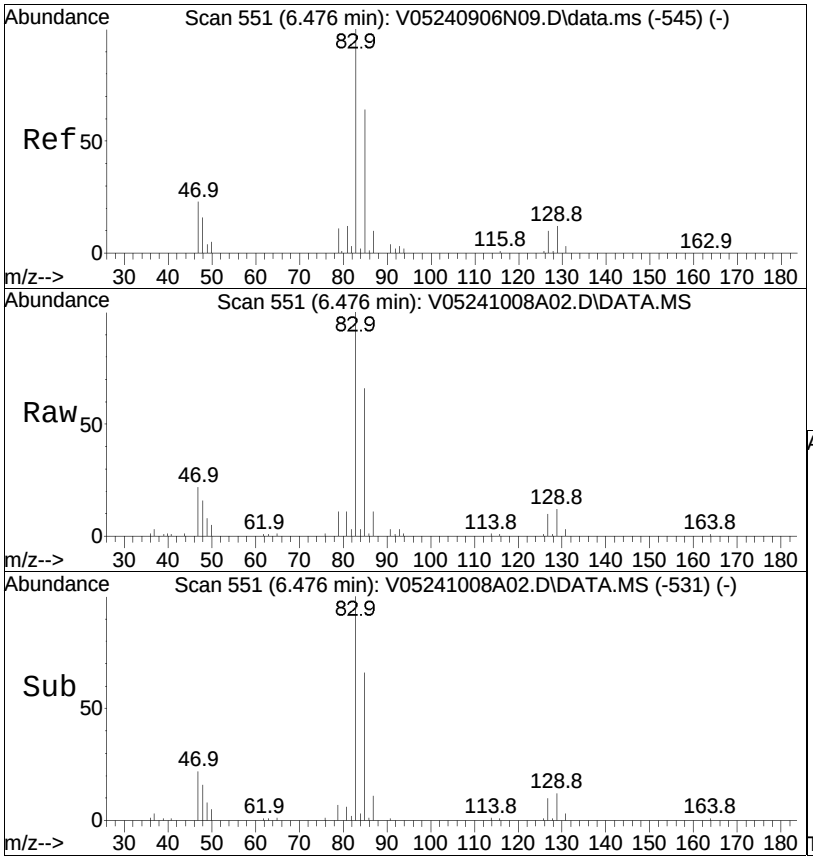


#51
1,2-Dichloropropane
Concen: 11.19 ug/L
RT: 6.398 min Scan# 543
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 63 Resp: 136313

Ion	Ratio	Lower	Upper
63	100		
62	70.6	57.0	85.4
76	43.1	48.4	72.6#

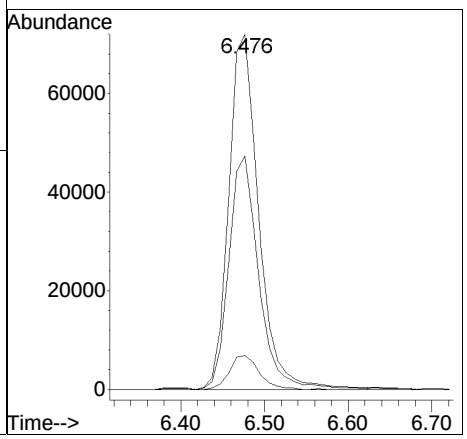


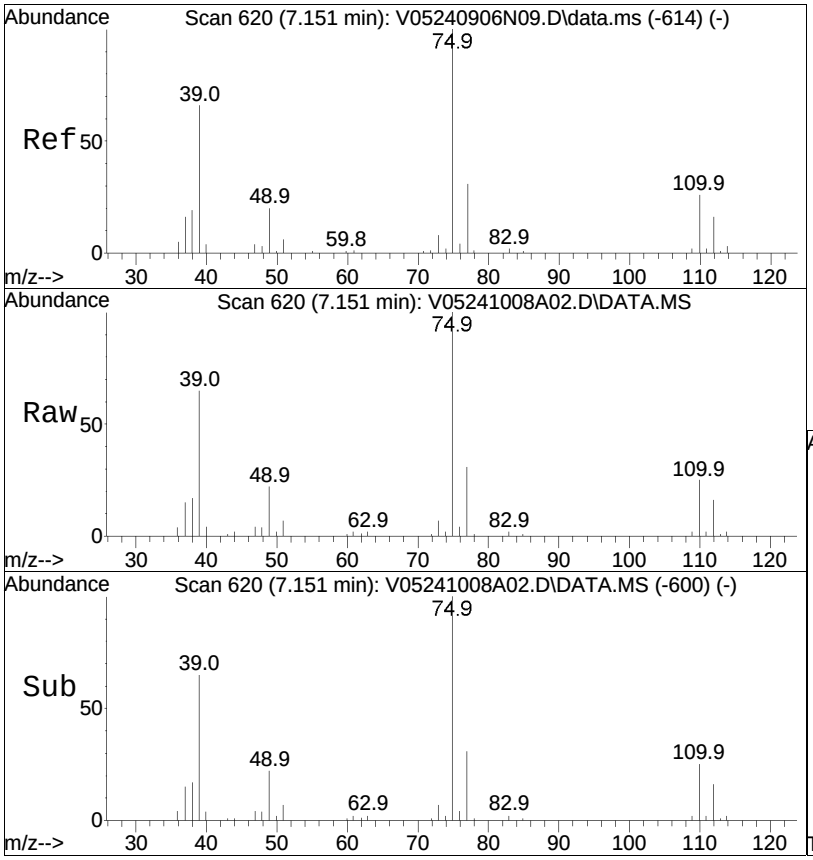


#54
Bromodichloromethane
Concen: 10.04 ug/L
RT: 6.476 min Scan# 551
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 83 Resp: 179134

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.6
127	9.5	6.7	10.1

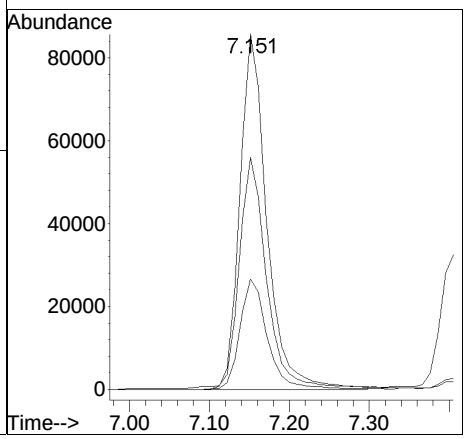


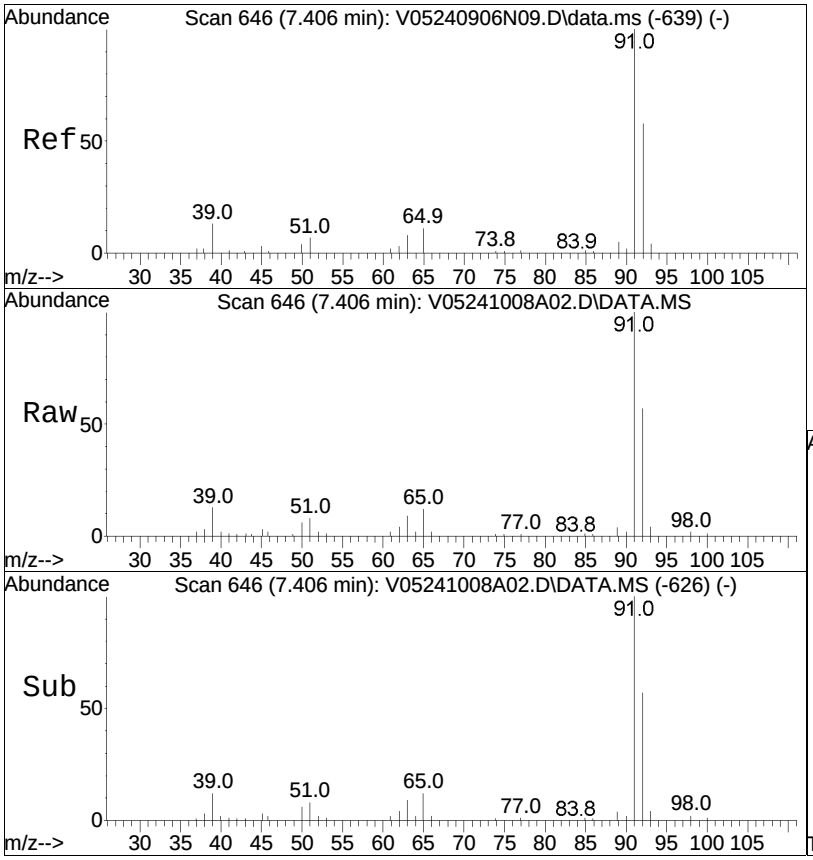


#58
cis-1,3-Dichloropropene
Concen: 10.75 ug/L
RT: 7.151 min Scan# 620
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 75 Resp: 201637

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	66.1	40.4	60.6#

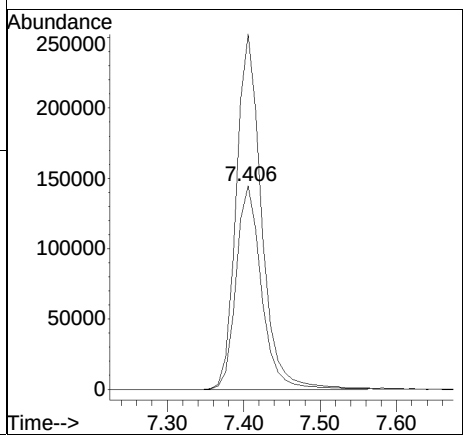


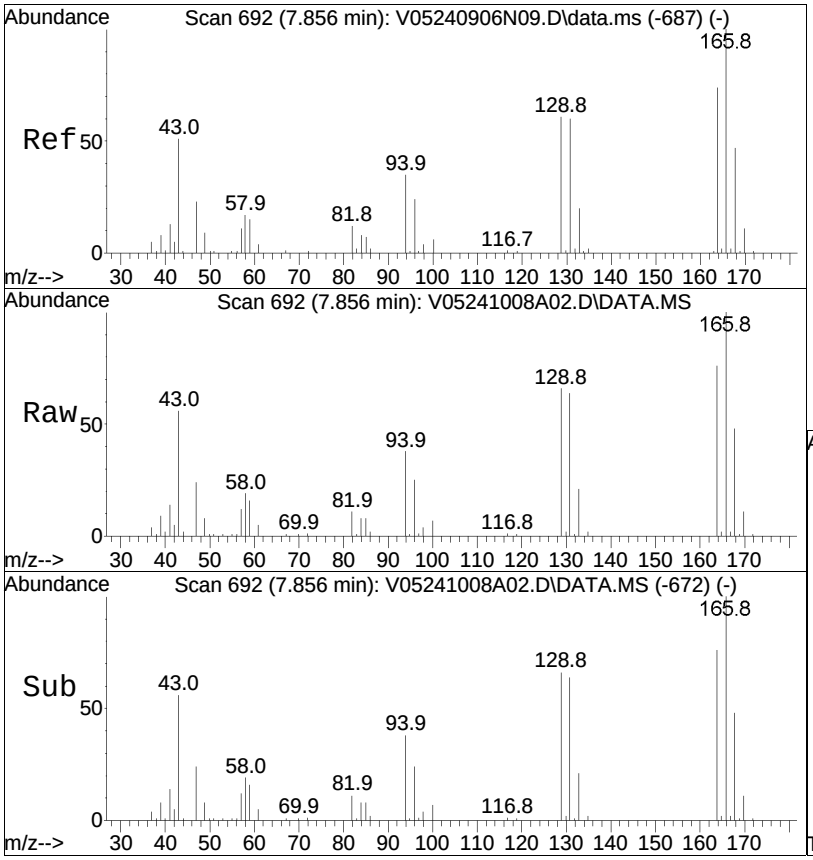


#61
Toluene
Concen: 10.72 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 92 Resp: 335061

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.2	202.8

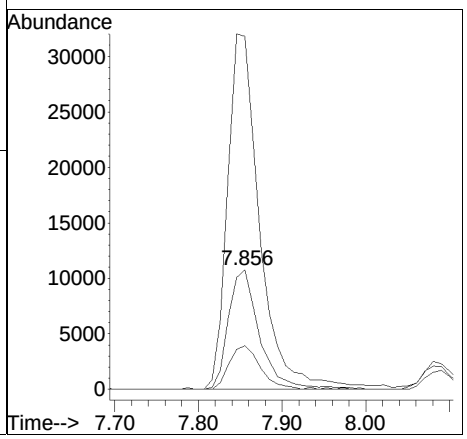


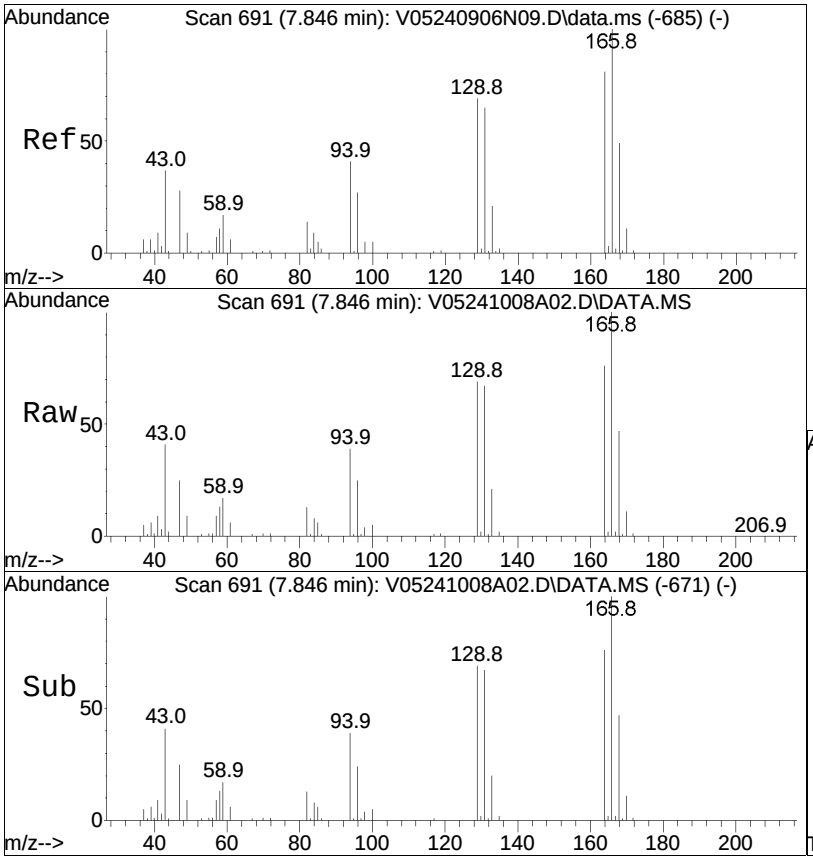


#62
4-Methyl-2-pentanone
Concen: 10.82 ug/L
RT: 7.856 min Scan# 692
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 58 Resp: 27984

Ion	Ratio	Lower	Upper
58	100		
100	36.4	38.9	58.3#
43	308.0	204.2	306.2#

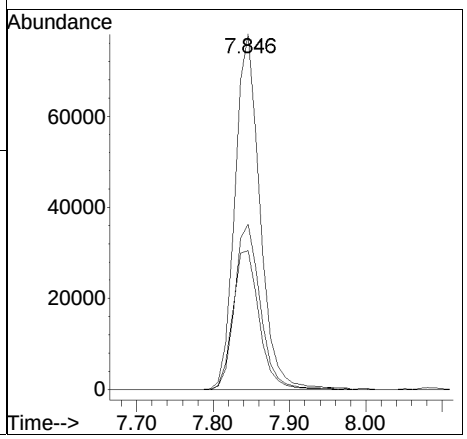


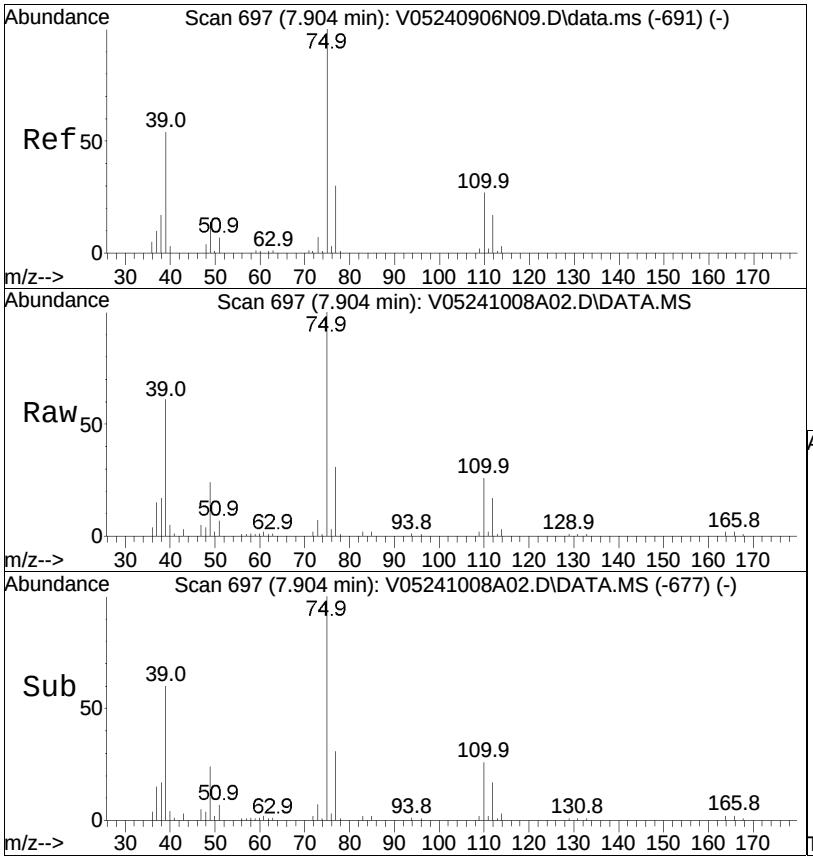


#63
Tetrachloroethene
Concen: 10.79 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:166 Resp: 177924

Ion	Ratio	Lower	Upper
166	100		
168	47.7	30.2	70.2
94	41.1	32.5	72.5

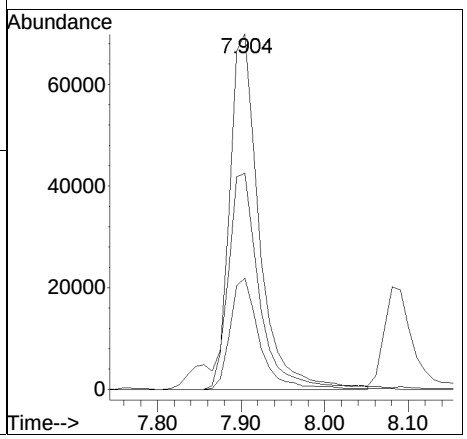


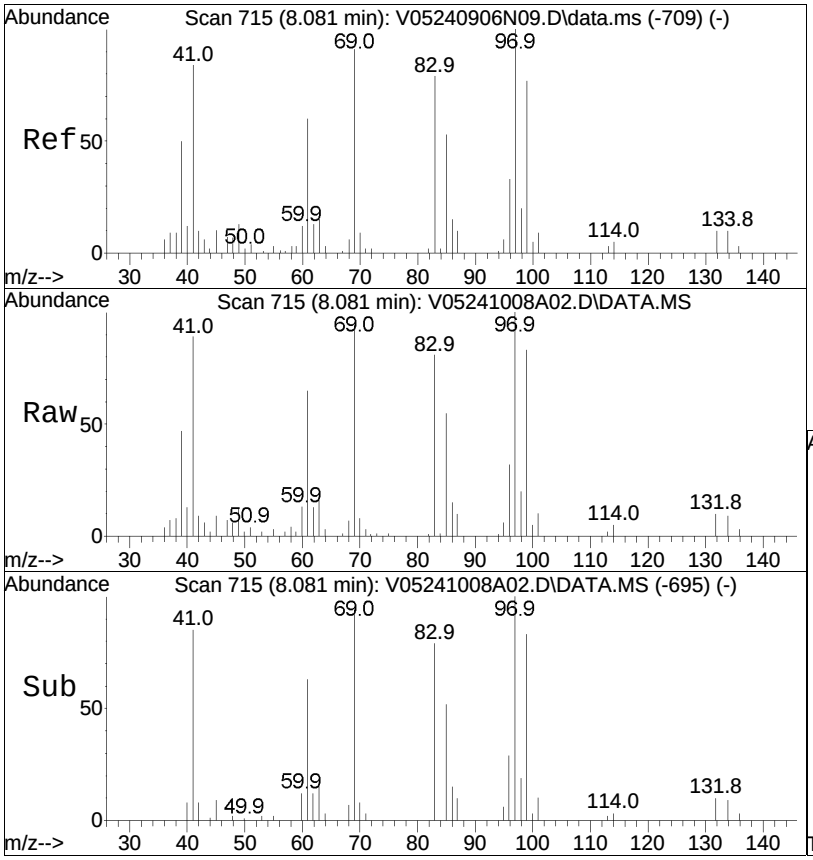


#65
trans-1,3-Dichloropropene
Concen: 11.27 ug/L
RT: 7.904 min Scan# 697
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 75 Resp: 171270

Ion	Ratio	Lower	Upper
75	100		
77	31.4	11.5	51.5
39	69.1	29.3	69.3

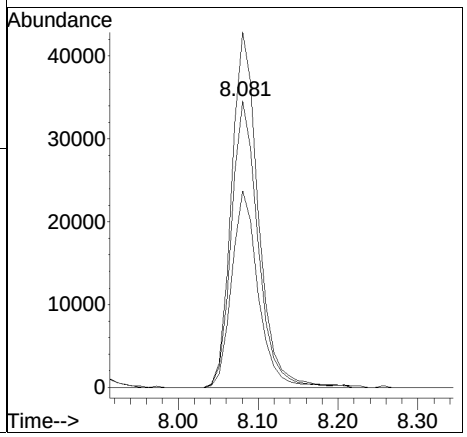


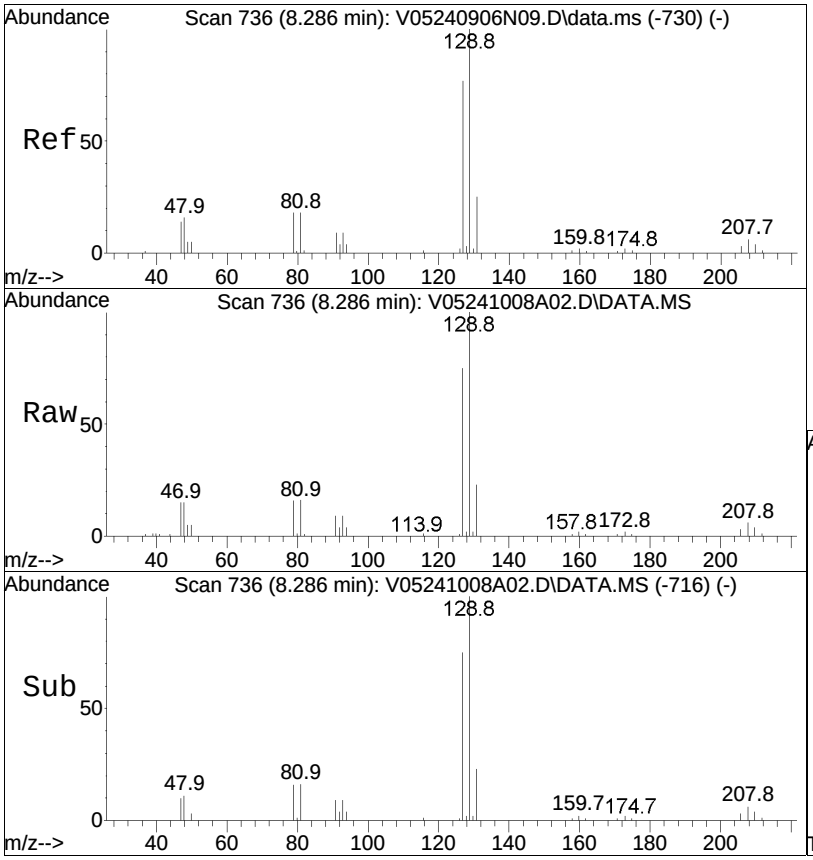


#68
1,1,2-Trichloroethane
Concen: 10.42 ug/L
RT: 8.081 min Scan# 715
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 83 Resp: 80531

Ion	Ratio	Lower	Upper
83	100		
97	124.3	102.2	142.2
85	68.2	47.5	87.5

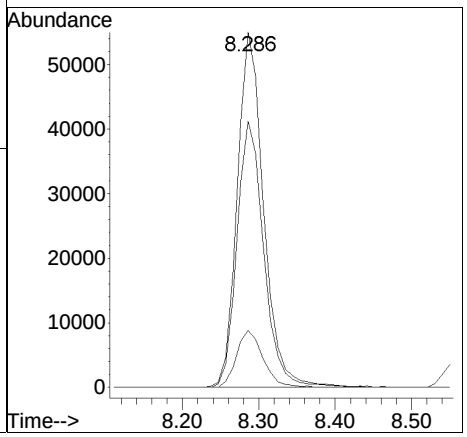


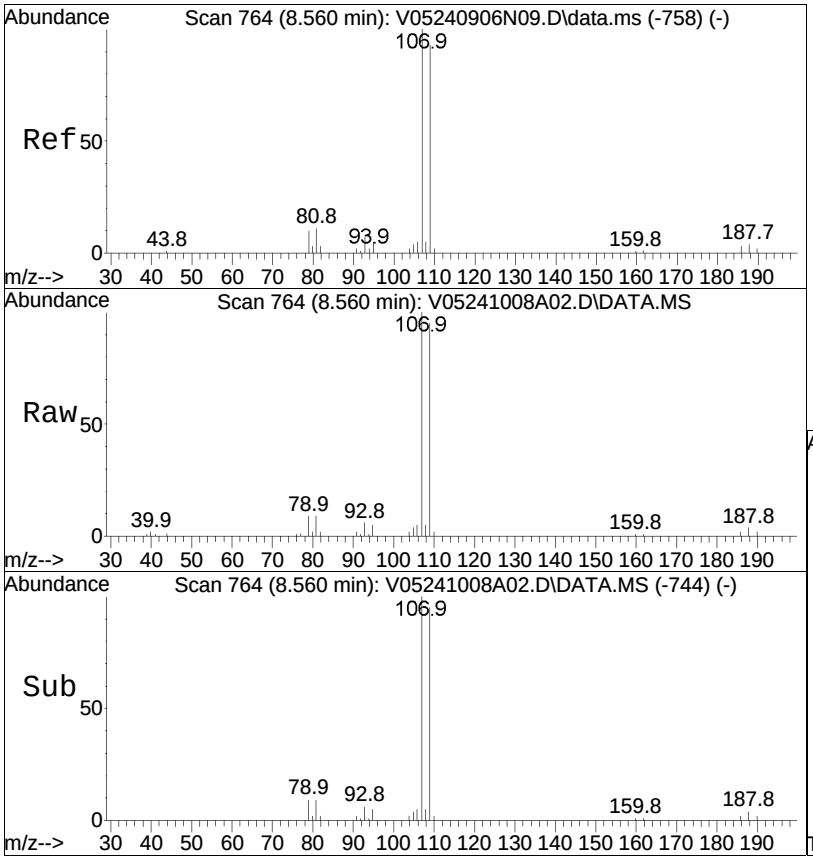


#69
Chlorodibromomethane
Concen: 10.03 ug/L
RT: 8.286 min Scan# 736
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:129 Resp: 132193

Ion	Ratio	Lower	Upper
129	100		
81	16.1	0.0	37.0
127	76.1	58.3	98.3

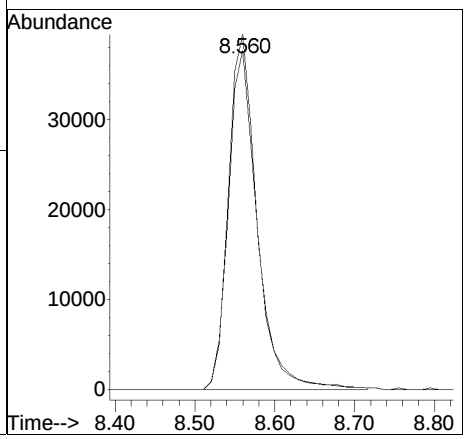


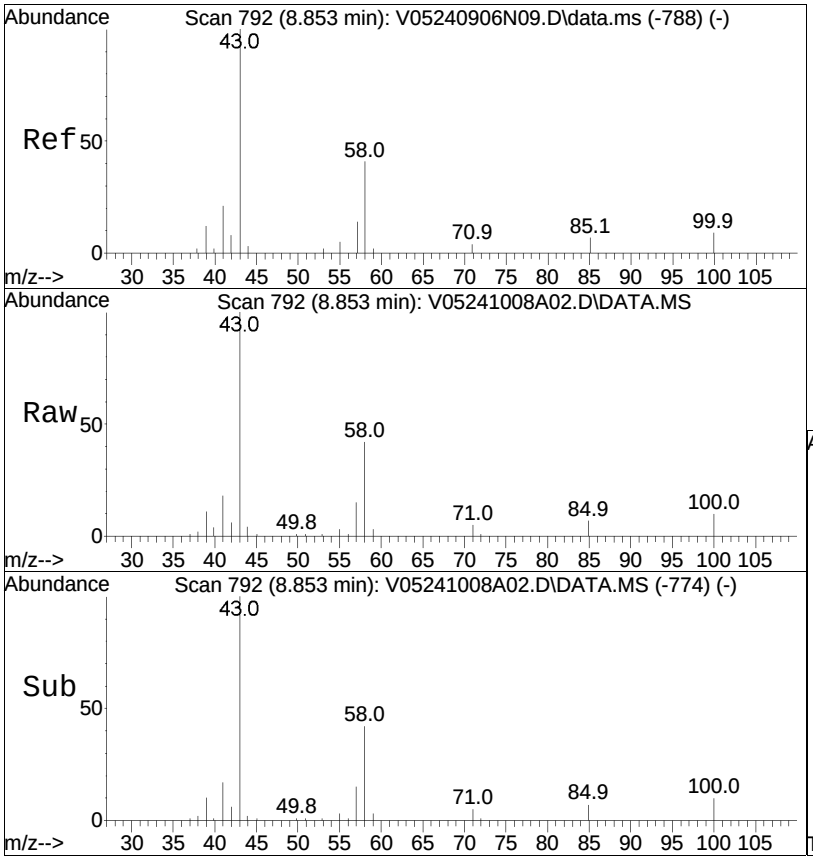


#71
1,2-Dibromoethane
Concen: 10.41 ug/L
RT: 8.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:107 Resp: 108327

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.0	112.6

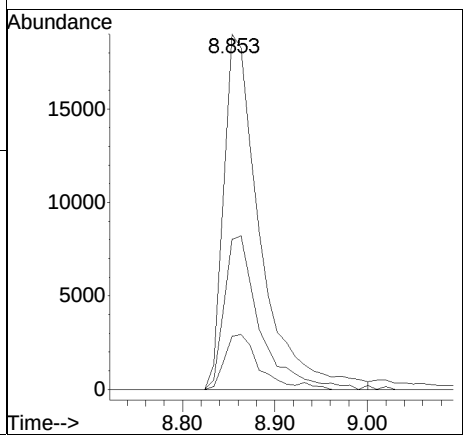


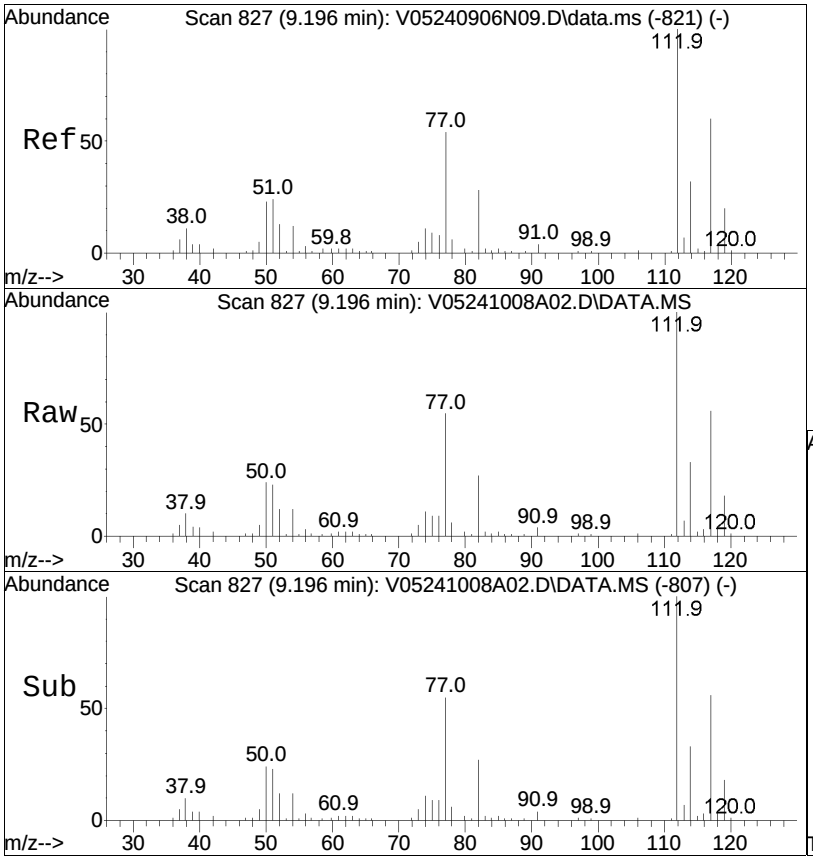


#72
2-Hexanone
Concen: 10.09 ug/L
RT: 8.853 min Scan# 792
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 43 Resp: 52049

Ion	Ratio	Lower	Upper
43	100		
58	42.1	42.3	63.5#
57	15.0	15.6	23.4#

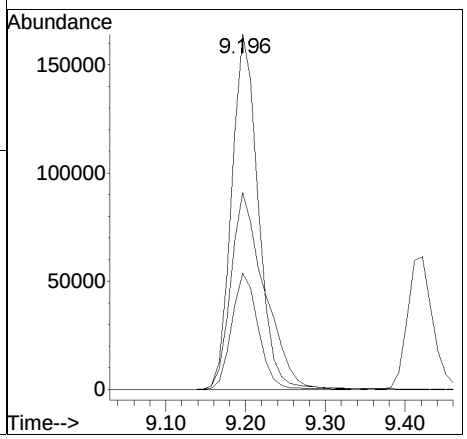


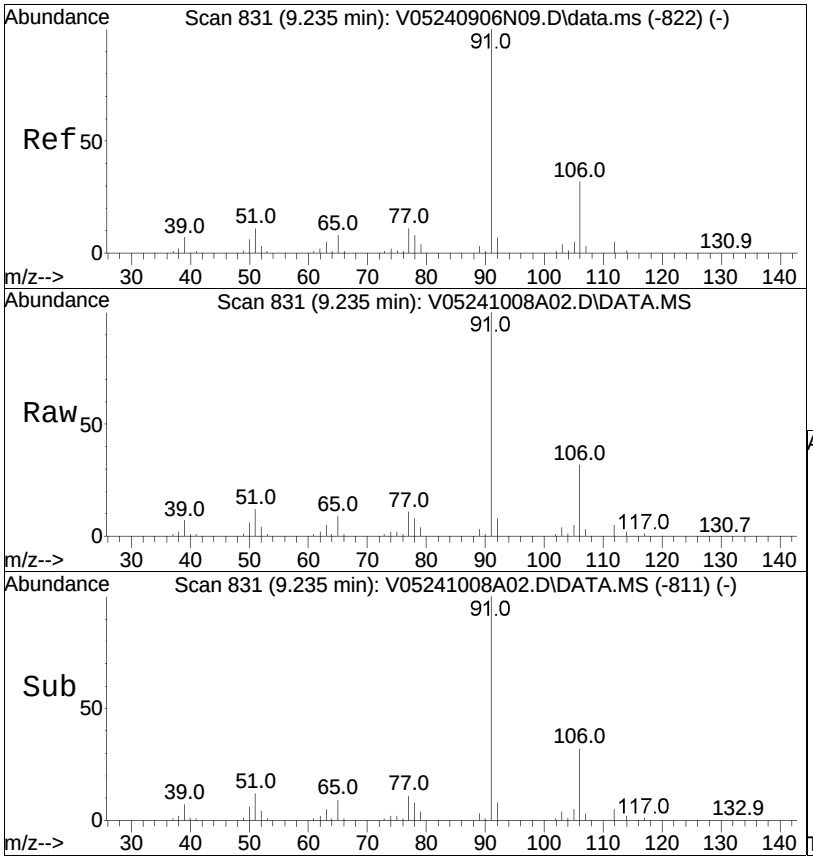


#73
Chlorobenzene
Concen: 10.32 ug/L
RT: 9.196 min Scan# 827
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:112 Resp: 381243

Ion	Ratio	Lower	Upper
112	100		
77	70.1	66.1	99.1
114	32.8	25.4	38.0

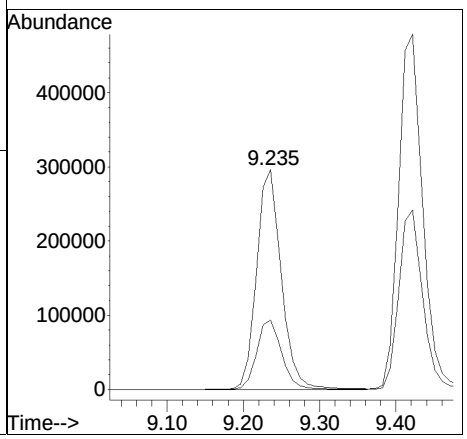


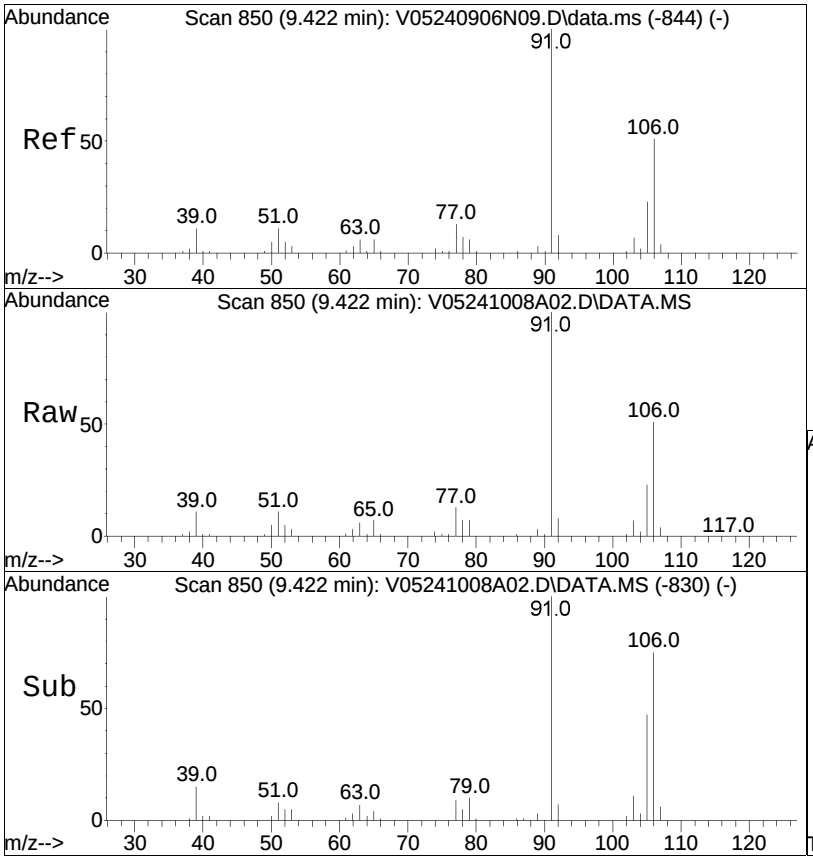


#74
Ethylbenzene
Concen: 10.69 ug/L
RT: 9.235 min Scan# 831
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 91 Resp: 667184

Ion	Ratio	Lower	Upper
91	100		
106	31.9	22.9	34.3

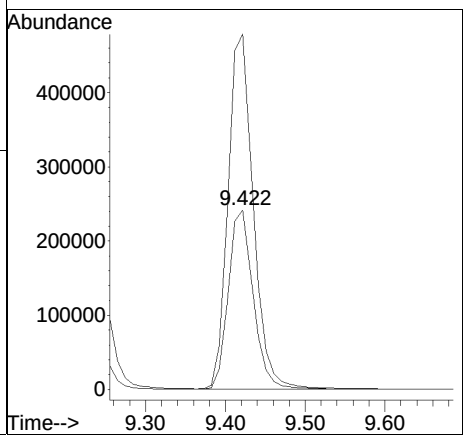


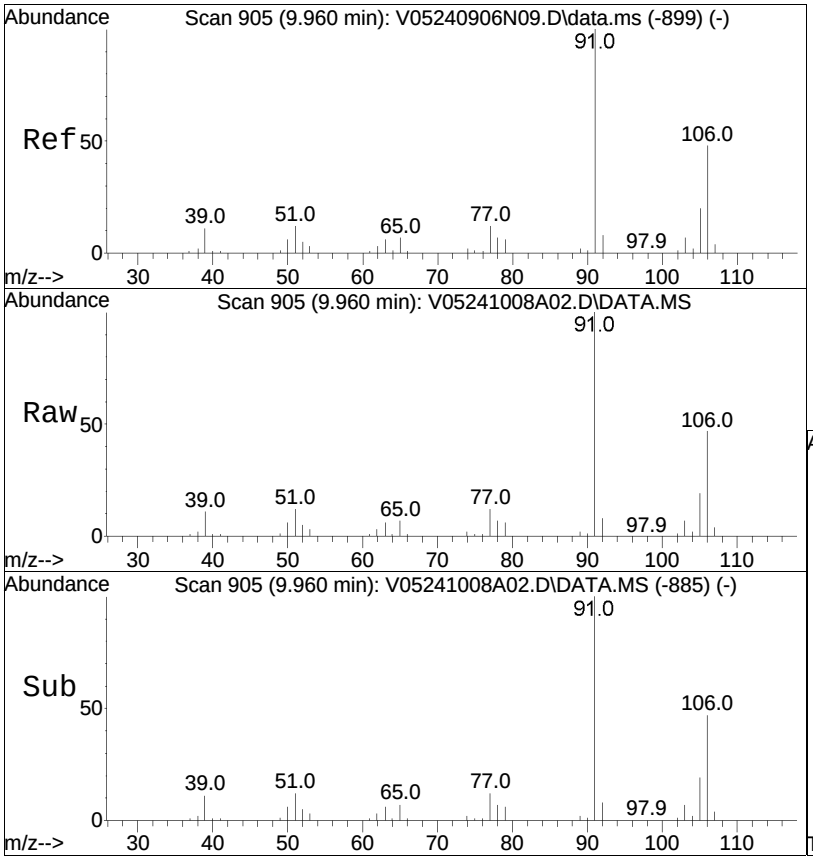


#76
p/m Xylene
Concen: 21.79 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:106 Resp: 525039

Ion	Ratio	Lower	Upper
106	100		
91	199.5	177.2	265.8

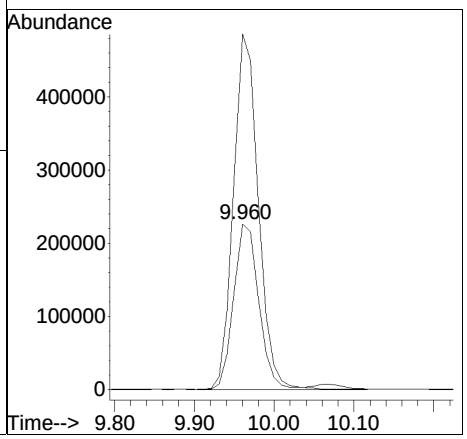


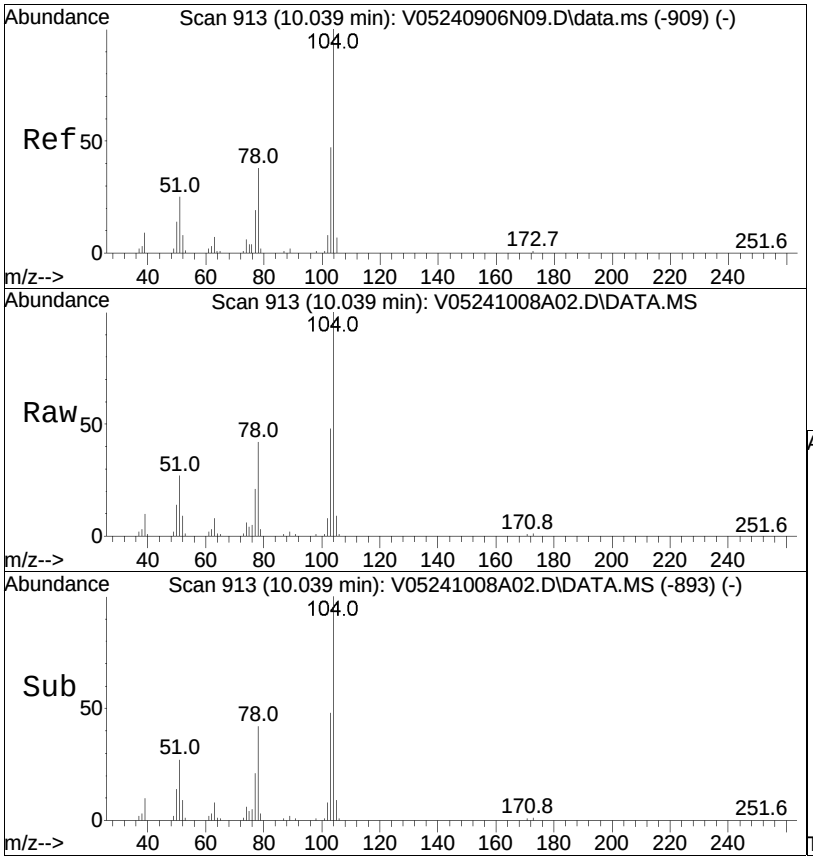


#77
o Xylene
Concen: 21.87 ug/L
RT: 9.960 min Scan# 905
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:106 Resp: 499159

Ion	Ratio	Lower	Upper
106	100		
91	210.0	187.0	280.6

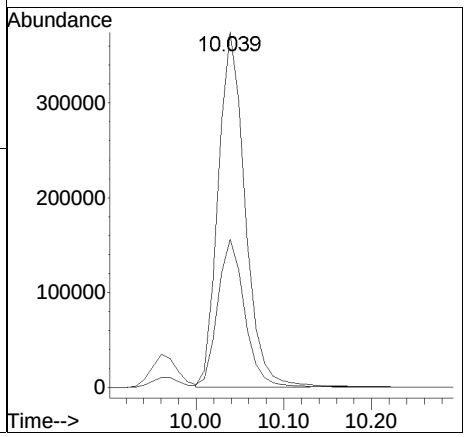


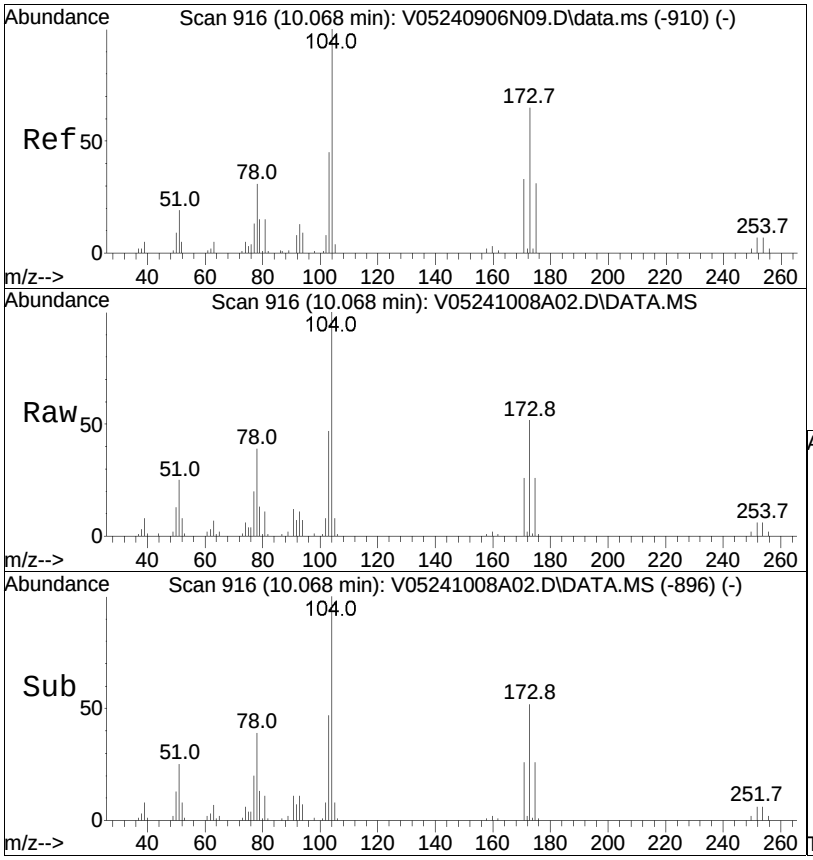


#78
Styrene
Concen: 21.12 ug/L
RT: 10.039 min Scan# 913
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:104 Resp: 797584

Ion	Ratio	Lower	Upper
104	100		
78	41.9	39.6	59.4

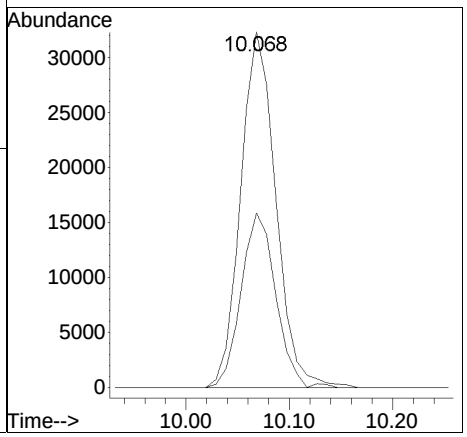


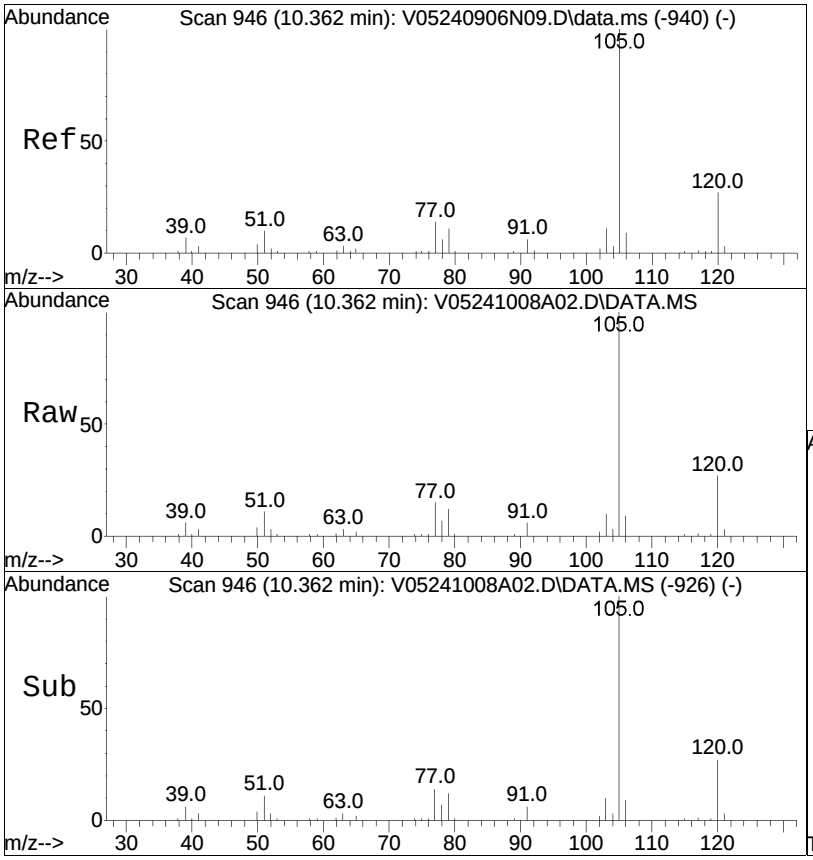


#80
Bromoform
Concen: 9.70 ug/L
RT: 10.068 min Scan# 916
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:173 Resp: 76424

Ion	Ratio	Lower	Upper
173	100		
175	48.3	26.6	66.6

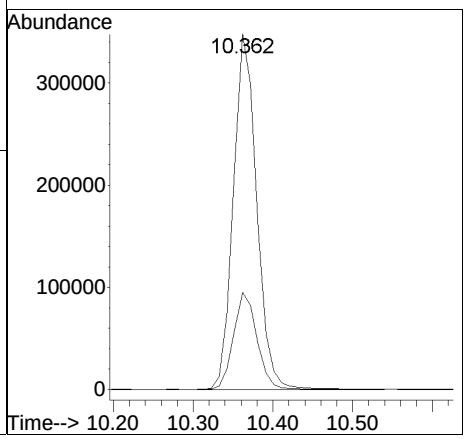


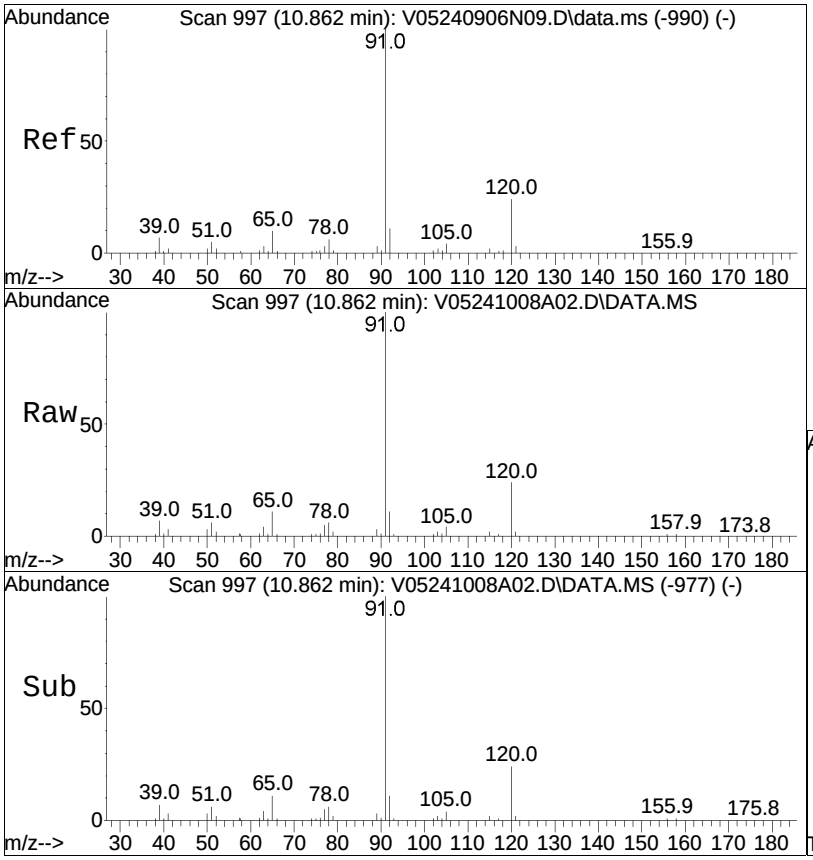


#82
Isopropylbenzene
Concen: 11.51 ug/L
RT: 10.362 min Scan# 946
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:105 Resp: 707619

Ion	Ratio	Lower	Upper
105	100		
120	27.4	4.8	44.8

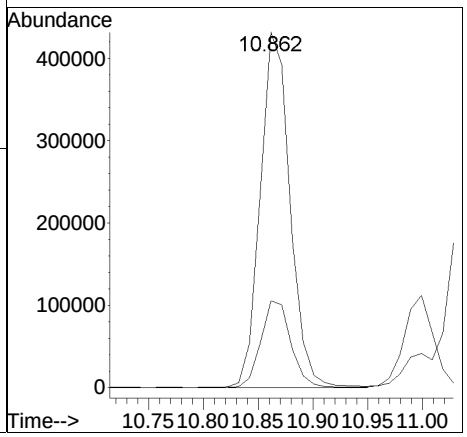


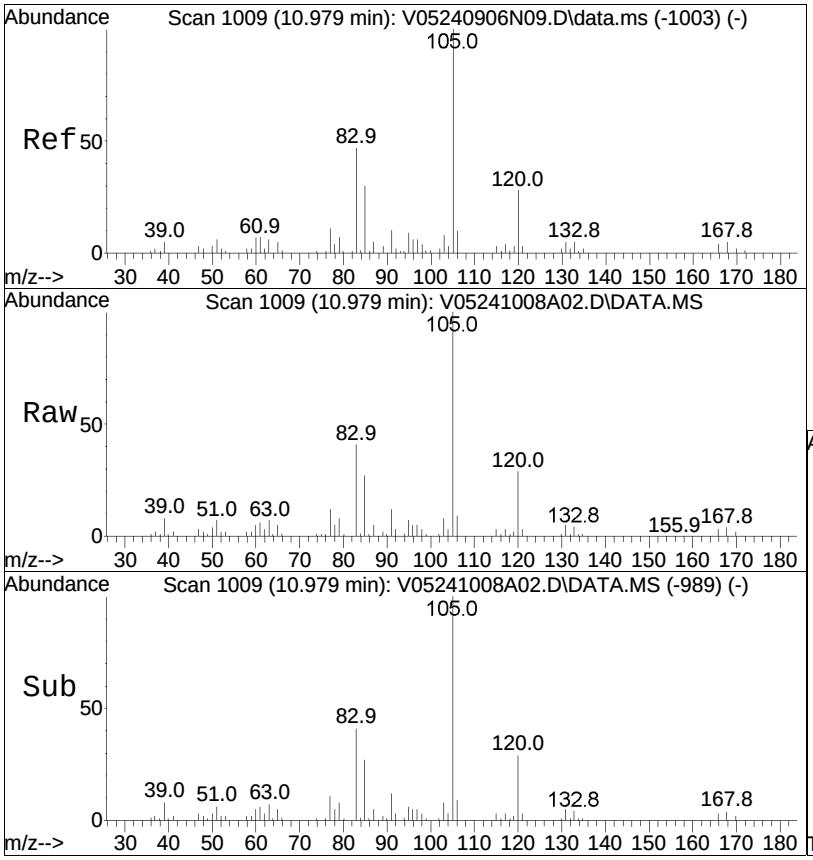


#85
n-Propylbenzene
Concen: 11.32 ug/L
RT: 10.862 min Scan# 997
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 91 Resp: 813133

Ion	Ratio	Lower	Upper
91	100		
120	24.5	17.3	25.9

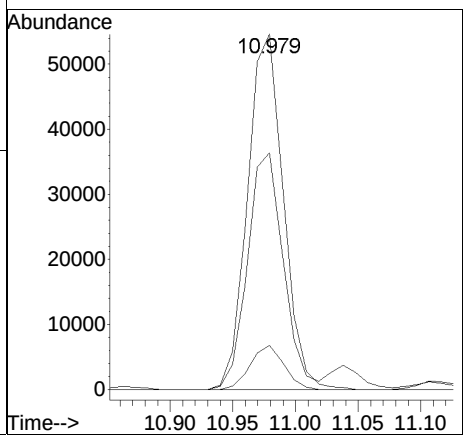


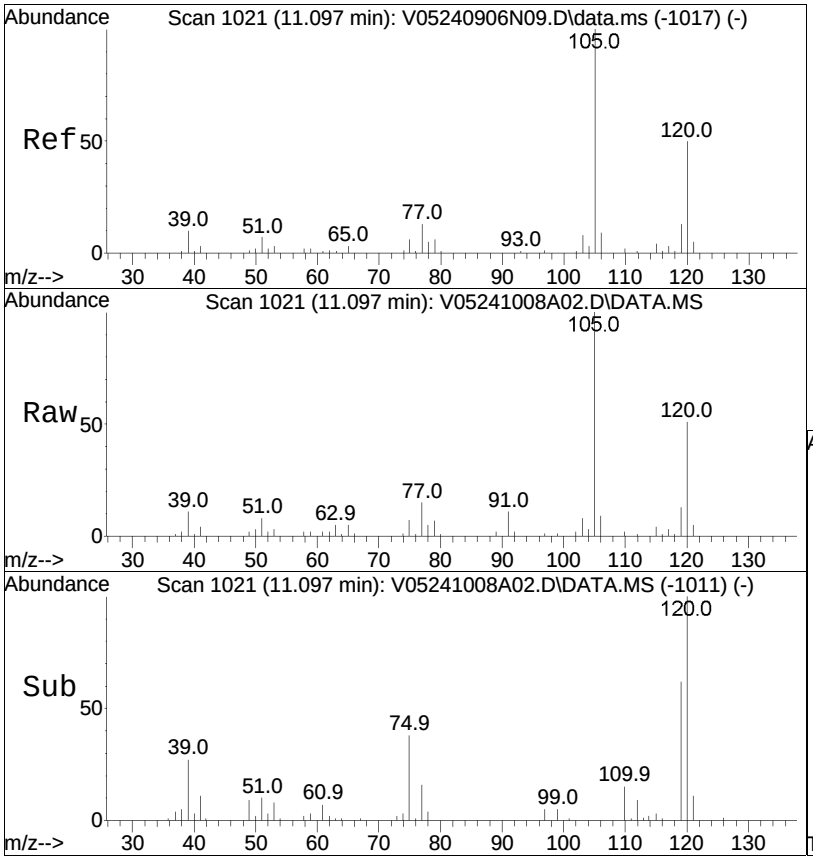


#87
1,1,2,2-Tetrachloroethane
Concen: 10.16 ug/L
RT: 10.979 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 83 Resp: 108491

Ion	Ratio	Lower	Upper
83	100		
131	11.6	0.0	30.4
85	66.8	46.4	86.4

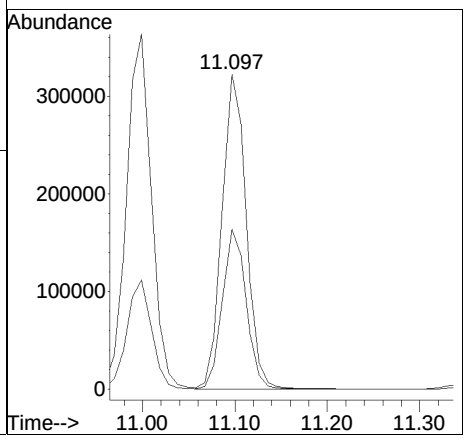


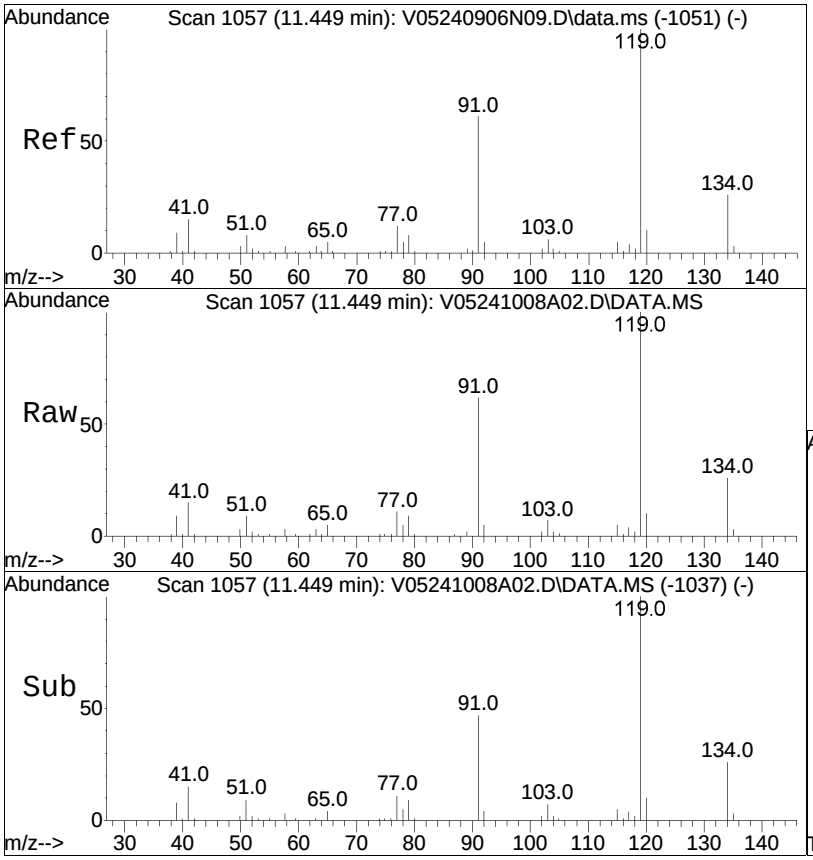


#90
1,3,5-Trimethylbenzene
Concen: 11.10 ug/L
RT: 11.097 min Scan# 1021
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:105 Resp: 586649

Ion	Ratio	Lower	Upper
105	100		
120	50.6	37.0	55.6

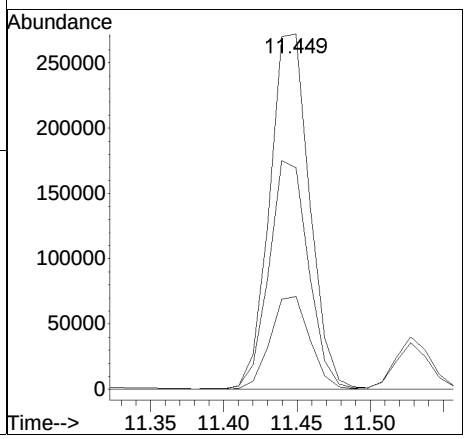


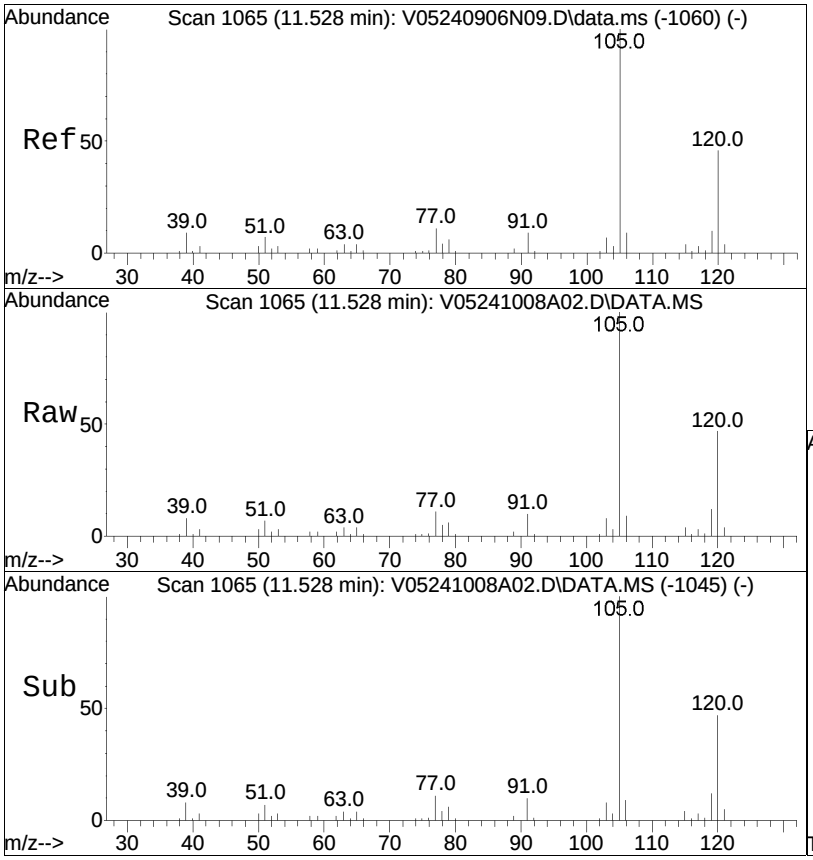


#94
tert-Butylbenzene
Concen: 11.23 ug/L
RT: 11.449 min Scan# 1057
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:119 Resp: 519620

Ion	Ratio	Lower	Upper
119	100		
91	63.3	49.2	73.8
134	26.0	18.3	27.5

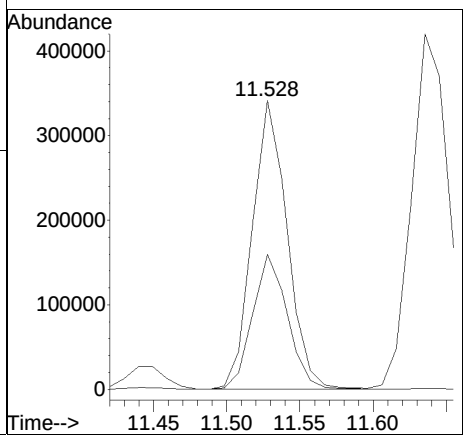


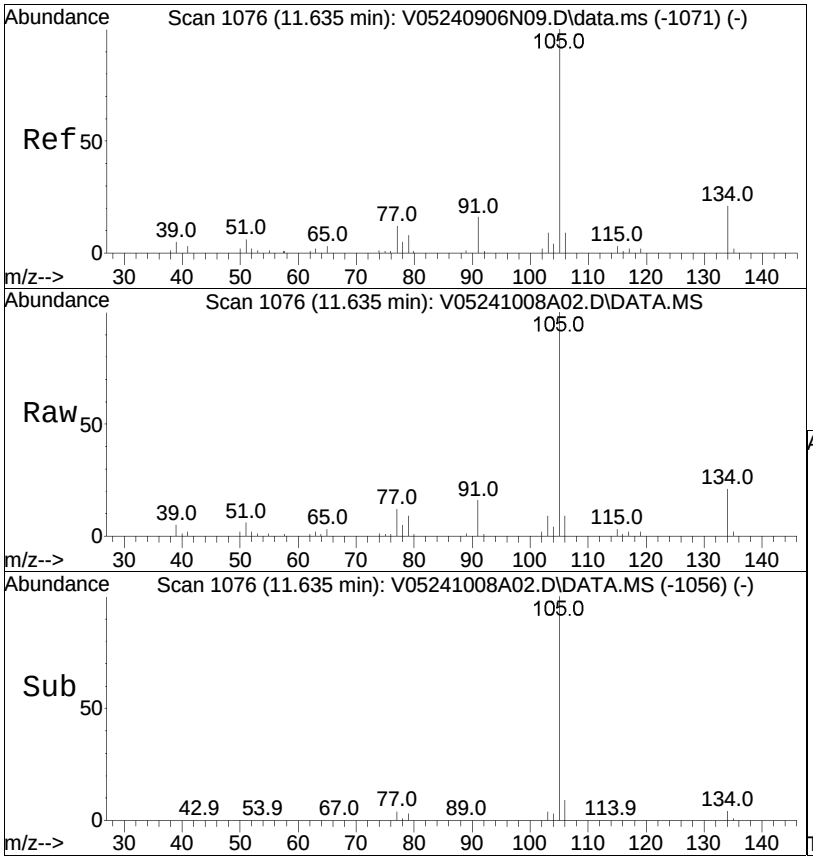


#97
1,2,4-Trimethylbenzene
Concen: 11.20 ug/L
RT: 11.528 min Scan# 1065
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:105 Resp: 566506

Ion	Ratio	Lower	Upper
105	100		
120	46.6	34.4	51.6

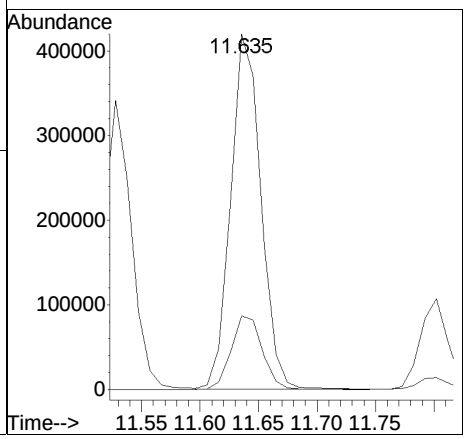


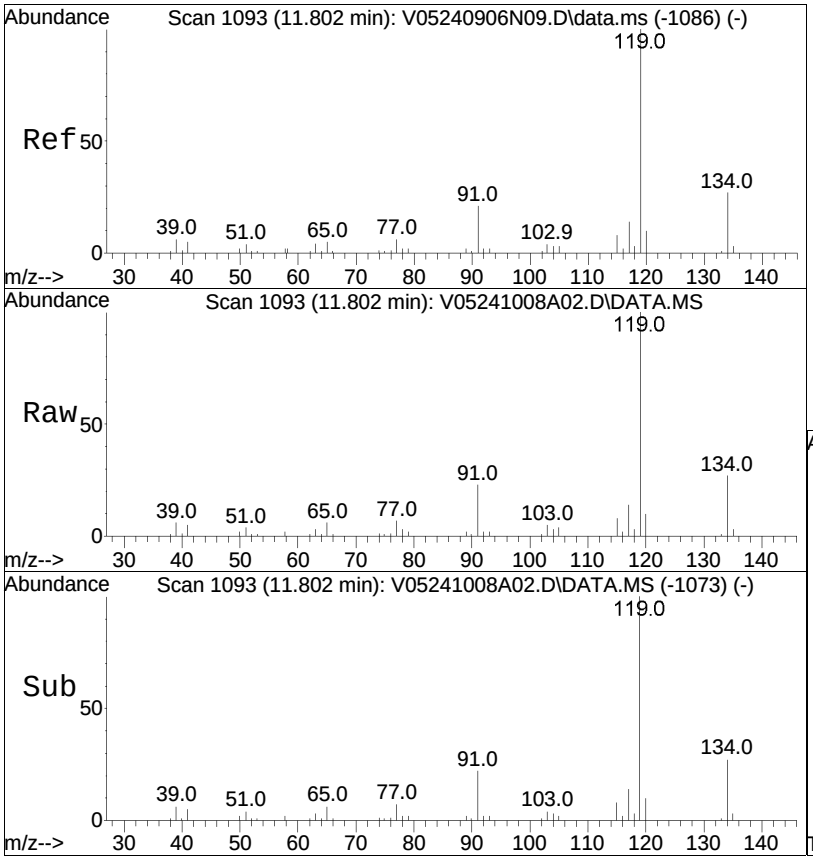


#98
sec-Butylbenzene
Concen: 11.10 ug/L
RT: 11.635 min Scan# 1076
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:105 Resp: 751484

Ion	Ratio	Lower	Upper
105	100		
134	21.3	12.9	26.9

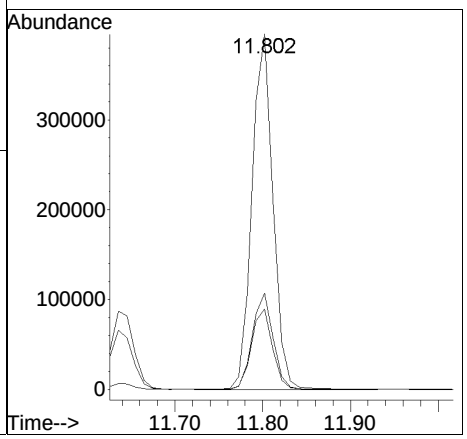


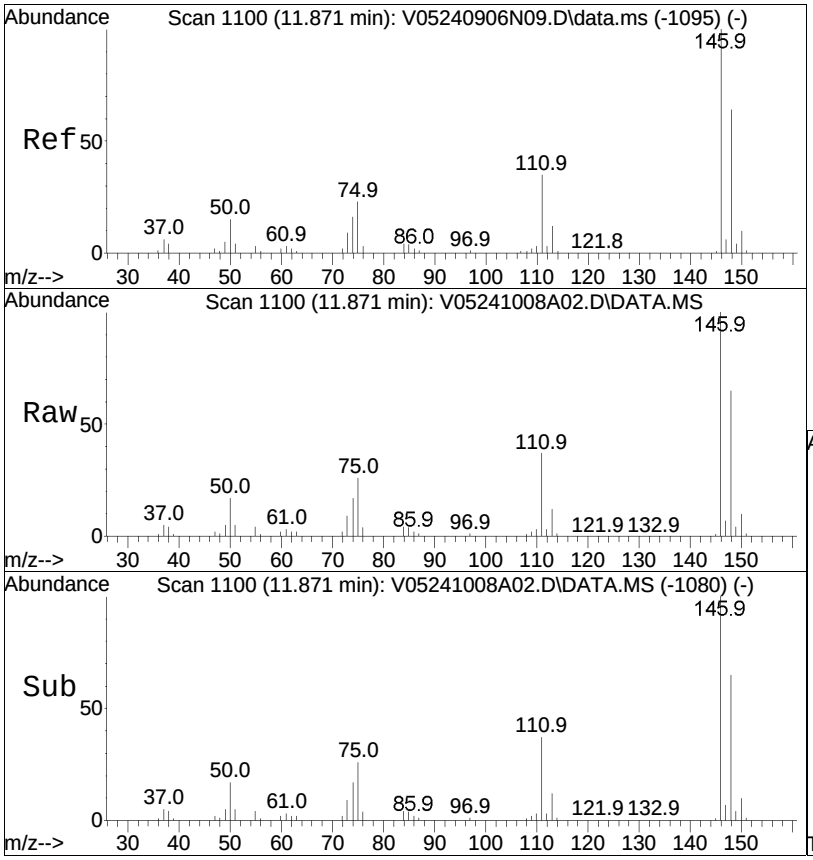


#99
p-Isopropyltoluene
Concen: 11.25 ug/L
RT: 11.802 min Scan# 1093
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:119 Resp: 656774

Ion	Ratio	Lower	Upper
119	100		
134	26.8	16.0	33.2
91	22.5	16.8	35.0

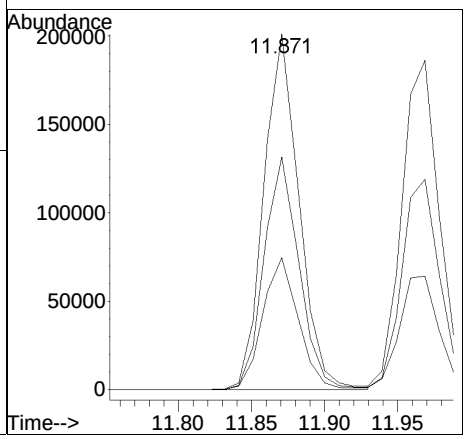


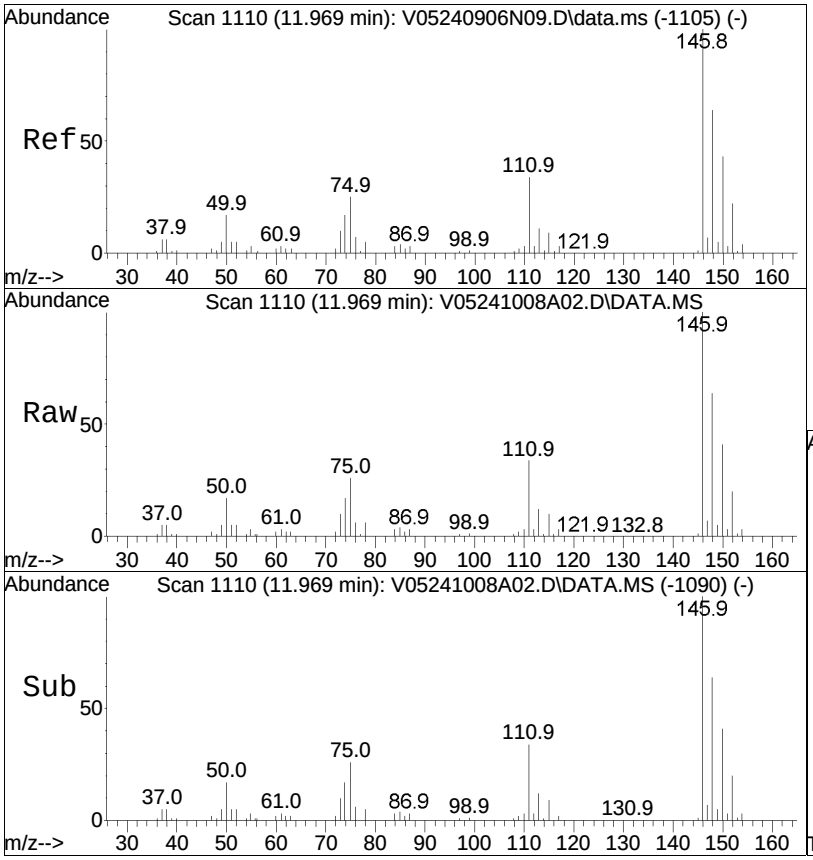


#100
1,3-Dichlorobenzene
Concen: 10.53 ug/L
RT: 11.871 min Scan# 1100
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:146 Resp: 336231

Ion	Ratio	Lower	Upper
146	100		
111	37.5	28.0	58.1
148	65.1	41.6	86.4

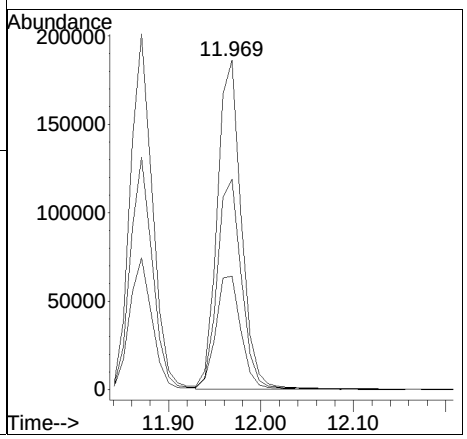


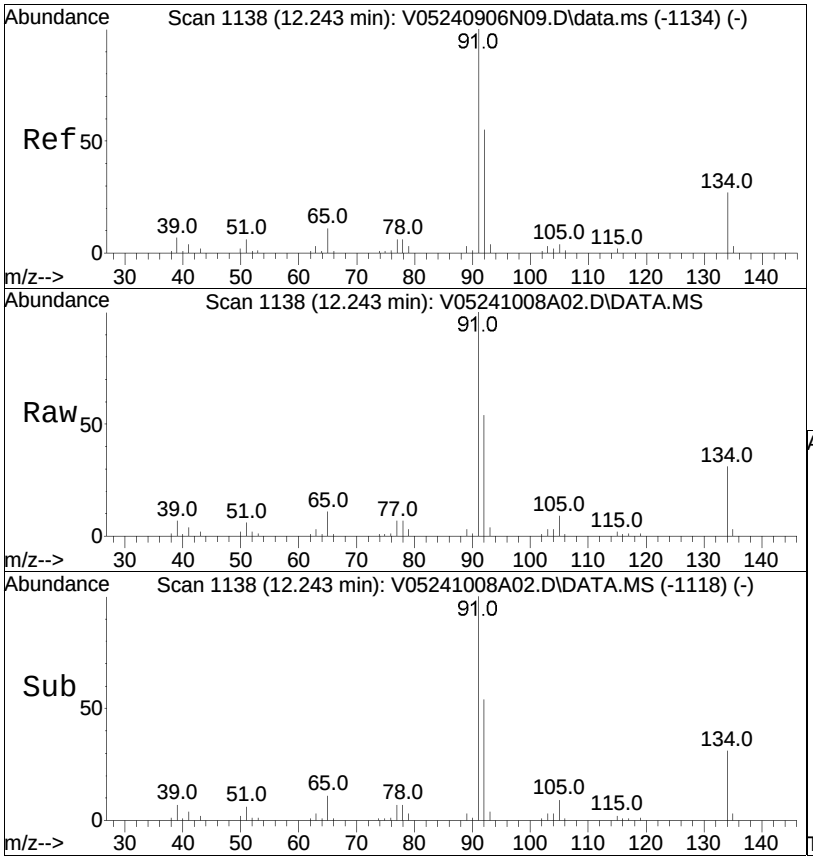


#101
1,4-Dichlorobenzene
Concen: 10.25 ug/L
RT: 11.969 min Scan# 1110
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:146 Resp: 336385

Ion	Ratio	Lower	Upper
146	100		
111	36.7	33.8	50.6
148	64.7	51.0	76.6

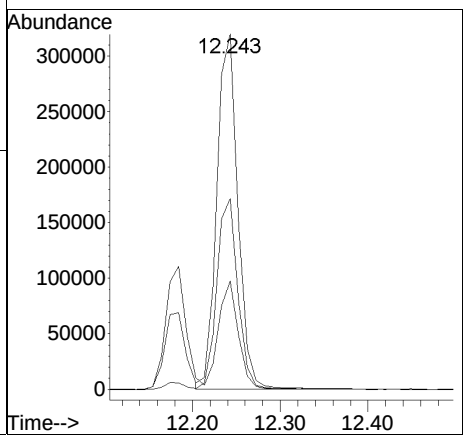


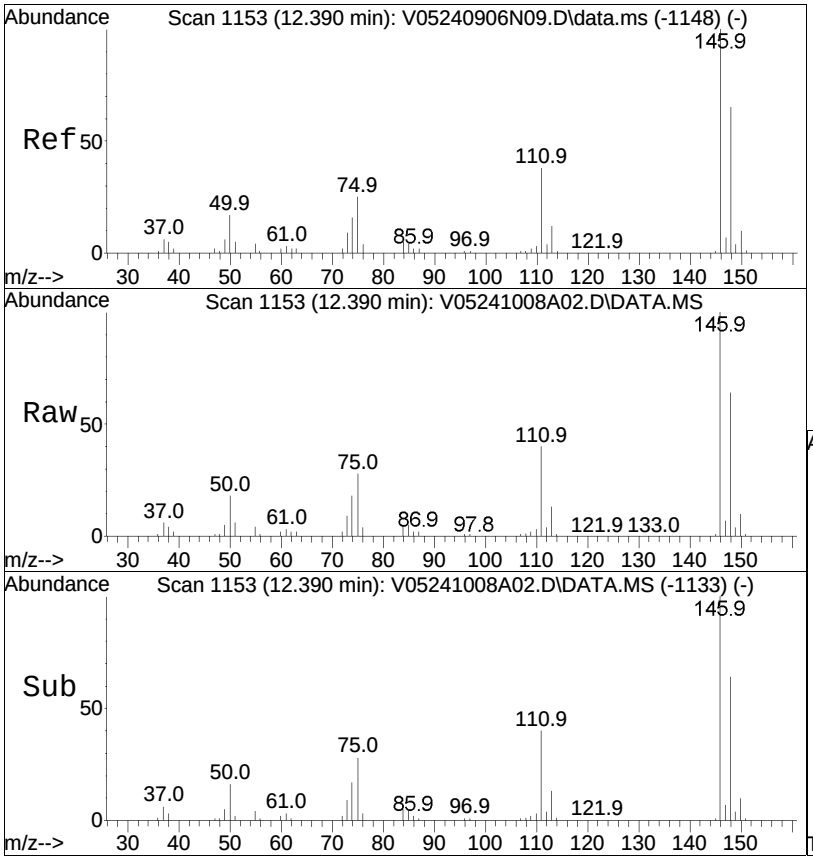


#103
n-Butylbenzene
Concen: 11.12 ug/L
RT: 12.243 min Scan# 1138
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion: 91 Resp: 533558

Ion	Ratio	Lower	Upper
91	100		
92	53.8	44.2	66.2
134	28.4	20.2	30.2

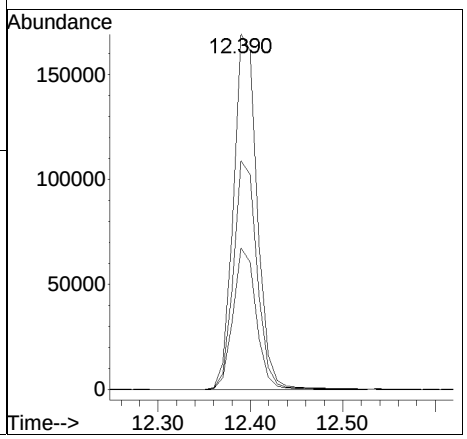


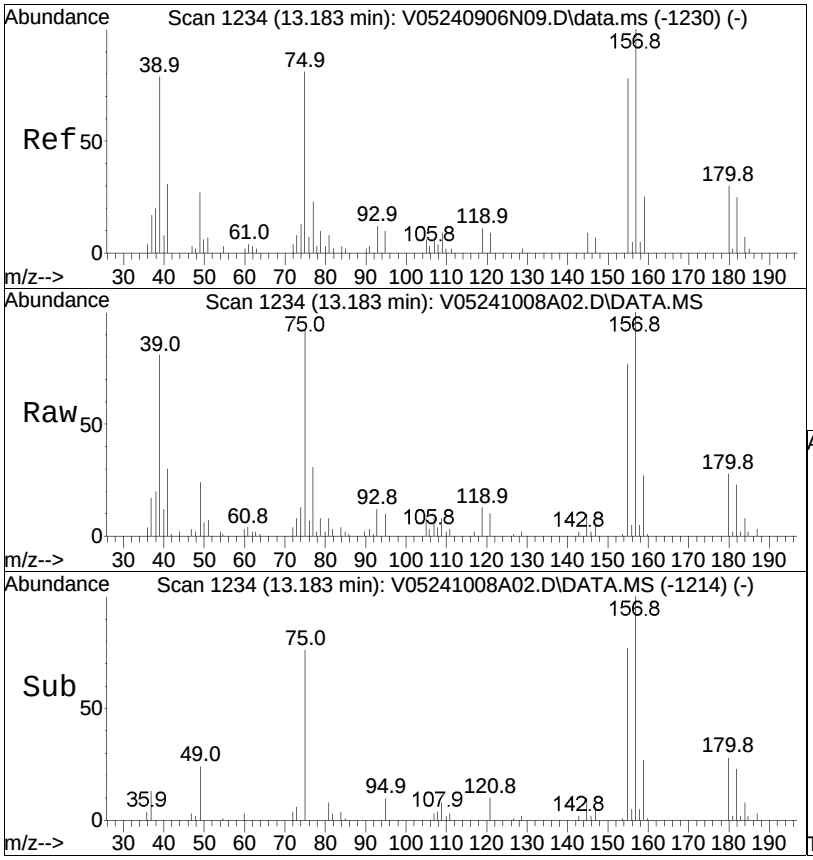


#104
1,2-Dichlorobenzene
Concen: 10.48 ug/L
RT: 12.390 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:146 Resp: 302455

Ion	Ratio	Lower	Upper
146	100		
111	39.0	29.1	60.5
148	64.0	41.7	86.7

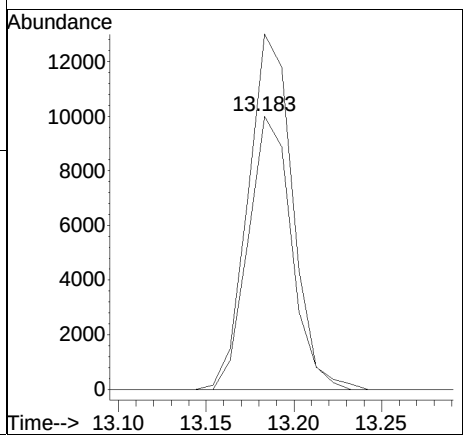


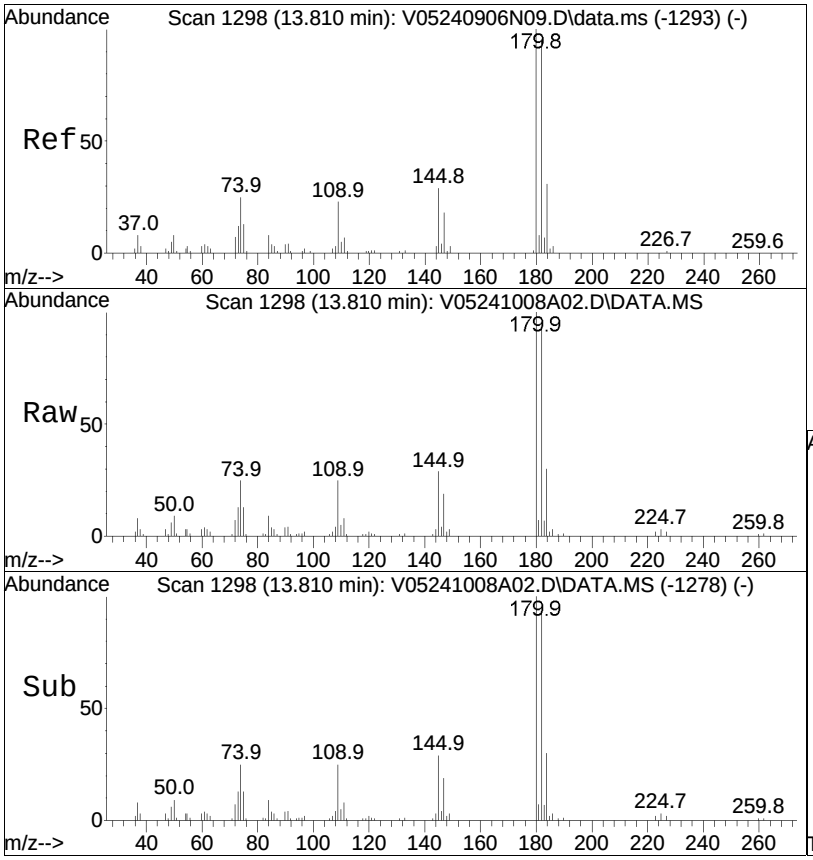


#106
1,2-Dibromo-3-chloropropane
Concen: 9.23 ug/L
RT: 13.183 min Scan# 1234
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:155 Resp: 17130

Ion	Ratio	Lower	Upper
155	100		
157	134.0	105.0	157.6

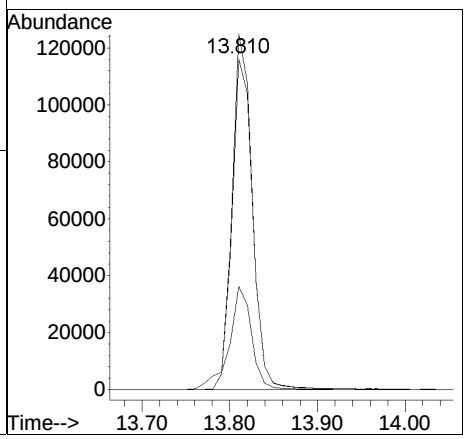


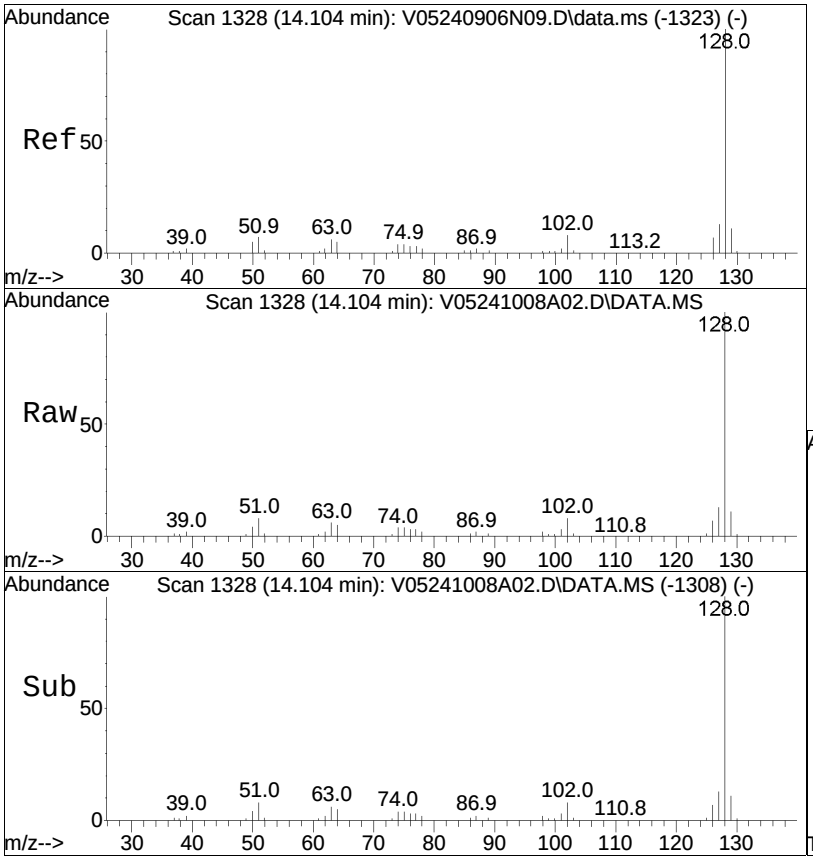


#109
1,2,4-Trichlorobenzene
Concen: 10.43 ug/L
RT: 13.810 min Scan# 1298
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:180 Resp: 200857

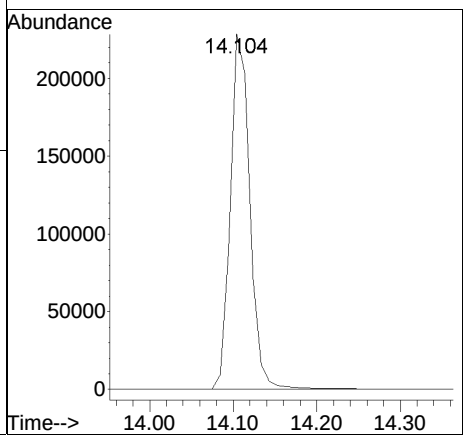
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.2	112.8
145	31.9	27.4	41.2





#110
Naphthalene
Concen: 9.61 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05241008A02.D
Acq: 8 Oct 2024 7:06 am

Tgt Ion:128 Resp: 372175



Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A02.D
Acq On : 9 Oct 2024 7:04 am
Operator : VOA105:PID
Sample : WG1982134-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:36:57 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	450561	10.000 ug/L	0.00
Standard Area 1 = 452753			Recovery = 99.52%		
59) Chlorobenzene-d5	9.177	117	353180	10.000 ug/L	0.00
Standard Area 1 = 351916			Recovery = 100.36%		
79) 1,4-Dichlorobenzene-d4	11.949	152	226106	10.000 ug/L	0.00
Standard Area 1 = 226621			Recovery = 99.77%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	126277	10.029 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%		
43) 1,2-Dichloroethane-d4	5.410	65	144804	11.123 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.23%		
60) Toluene-d8	7.347	98	440544	10.328 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.28%		
83) 4-Bromofluorobenzene	10.705	95	164004	10.454 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.54%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.508	85	145997	11.070 ug/L	97
3) Chloromethane	1.674	50	106624	8.375 ug/L	97
4) Vinyl chloride	1.743	62	118053	10.657 ug/L	92
5) Bromomethane	2.026	94	20752	3.848 ug/L	99
6) Chloroethane	2.124	64	65228	8.432 ug/L	93
7) Trichlorofluoromethane	2.251	101	178843	10.728 ug/L	99
10) 1,1-Dichloroethene	2.711	96	82668	9.966 ug/L	88
11) Carbon disulfide	2.740	76	274772	10.761 ug/L	99
12) Freon-113	2.740	101	94787	10.392 ug/L #	76
15) Methylene chloride	3.249	84	107080	10.874 ug/L #	71
17) Acetone	3.317	43	17979	8.442 ug/L	96
18) trans-1,2-Dichloroethene	3.395	96	109837	11.202 ug/L	99
19) Methyl acetate	3.415	43	45508	9.743 ug/L #	78
20) Methyl tert-butyl ether	3.483	73	199809	9.255 ug/L #	83
23) 1,1-Dichloroethane	3.963	63	203528	11.396 ug/L	98
28) cis-1,2-Dichloroethene	4.462	96	121309	10.922 ug/L	98
31) Cyclohexane	4.638	56	210892	12.240 ug/L	76
32) Chloroform	4.726	83	195875	10.491 ug/L #	96
34) Carbon tetrachloride	4.843	117	179620	11.206 ug/L	98
37) 1,1,1-Trichloroethane	4.902	97	193885	11.139 ug/L	97

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A02.D
Acq On : 9 Oct 2024 7:04 am
Operator : VOA105:PID
Sample : WG1982134-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:36:57 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2-Butanone	5.029	43	30918	9.550	ug/L	#	63
41) Benzene	5.264	78	422391	11.128	ug/L		94
44) 1,2-Dichloroethane	5.479	62	138072	11.017	ug/L		98
47) Methyl cyclohexane	5.831	83	188062	10.803	ug/L	#	77
48) Trichloroethene	5.850	95	114039	10.094	ug/L		90
51) 1,2-Dichloropropane	6.388	63	106034	11.186	ug/L	#	90
54) Bromodichloromethane	6.476	83	144548	10.412	ug/L		98
58) cis-1,3-Dichloropropene	7.151	75	157108	10.758	ug/L	#	83
61) Toluene	7.406	92	262840	10.601	ug/L		97
62) 4-Methyl-2-pentanone	7.846	58	19347	9.427	ug/L	#	65
63) Tetrachloroethene	7.846	166	146169	11.172	ug/L		90
65) trans-1,3-Dichloropropene	7.904	75	134205	11.126	ug/L	#	81
68) 1,1,2-Trichloroethane	8.080	83	63805	10.401	ug/L		98
69) Chlorodibromomethane	8.286	129	107478	10.275	ug/L		98
71) 1,2-Dibromoethane	8.560	107	84223	10.198	ug/L		98
72) 2-Hexanone	8.863	43	36703	8.969	ug/L	#	86
73) Chlorobenzene	9.196	112	301219	10.277	ug/L		90
74) Ethylbenzene	9.235	91	526456	10.633	ug/L		94
76) p/m Xylene	9.422	106	420690	22.003	ug/L		85
77) o Xylene	9.960	106	393856	21.744	ug/L		85
78) Styrene	10.039	104	632304	21.097	ug/L		89
80) Bromoform	10.068	173	63463	9.474	ug/L		97
82) Isopropylbenzene	10.362	105	560278	10.714	ug/L		95
85) n-Propylbenzene	10.862	91	656085	10.738	ug/L		94
87) 1,1,2,2-Tetrachloroethane	10.979	83	85475	9.412	ug/L		99
90) 1,3,5-Trimethylbenzene	11.097	105	471686	10.498	ug/L		93
94) tert-Butylbenzene	11.449	119	418482	10.636	ug/L		97
97) 1,2,4-Trimethylbenzene	11.528	105	451421	10.490	ug/L		93
98) sec-Butylbenzene	11.635	105	614322	10.671	ug/L		95
99) p-Isopropyltoluene	11.802	119	526809	10.615	ug/L		94
100) 1,3-Dichlorobenzene	11.871	146	282259	10.391	ug/L		95
101) 1,4-Dichlorobenzene	11.969	146	281699	10.090	ug/L		96
103) n-Butylbenzene	12.243	91	430587	10.552	ug/L		96
104) 1,2-Dichlorobenzene	12.390	146	249965	10.188	ug/L		95
106) 1,2-Dibromo-3-chloropr...	13.183	155	14154	8.980	ug/L		100
109) 1,2,4-Trichlorobenzene	13.810	180	165258	10.093	ug/L		97
110) Naphthalene	14.104	128	287450	8.767	ug/L		100

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

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A02.D
Acq On : 9 Oct 2024 7:04 am
Operator : VOA105:PID
Sample : WG1982134-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:36:57 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

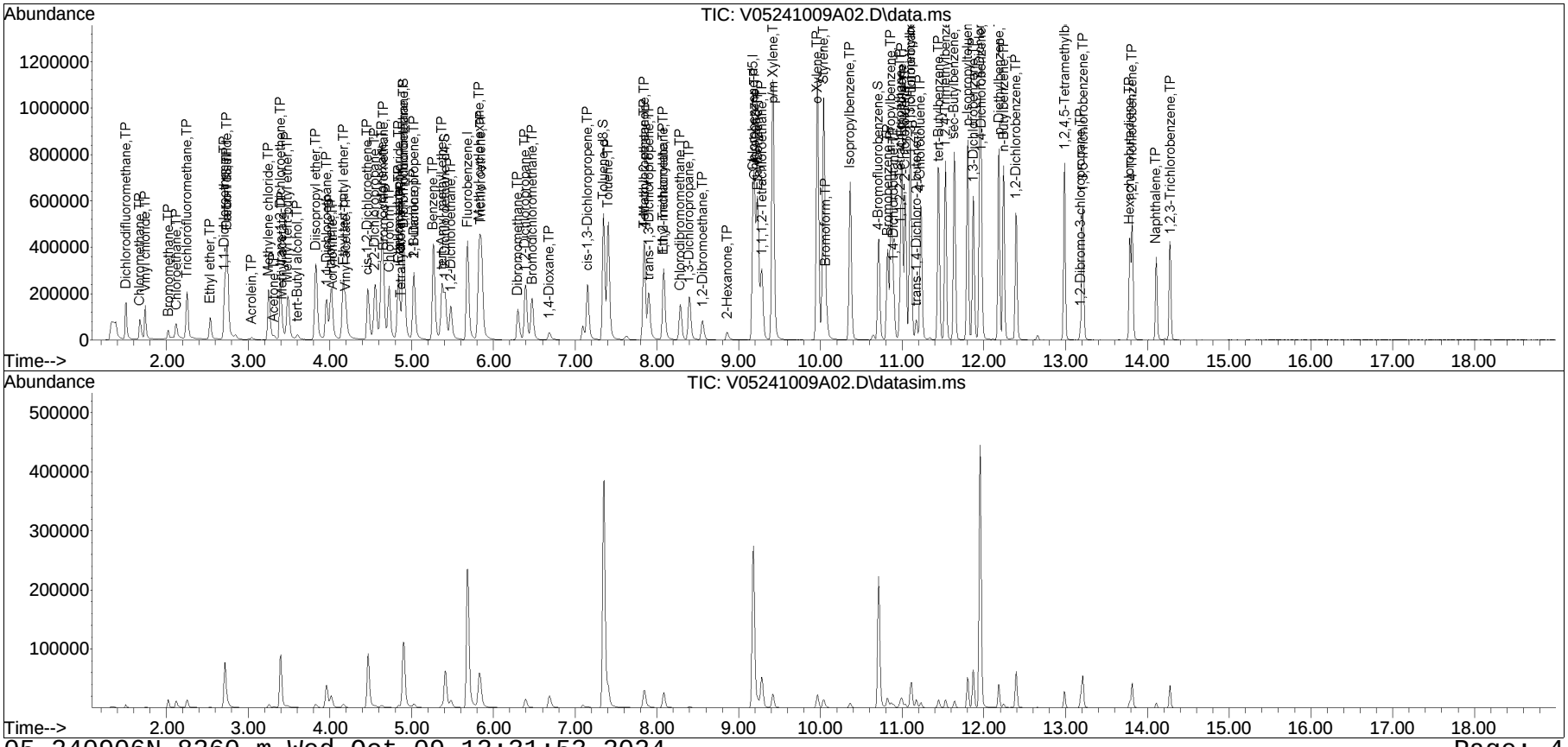
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

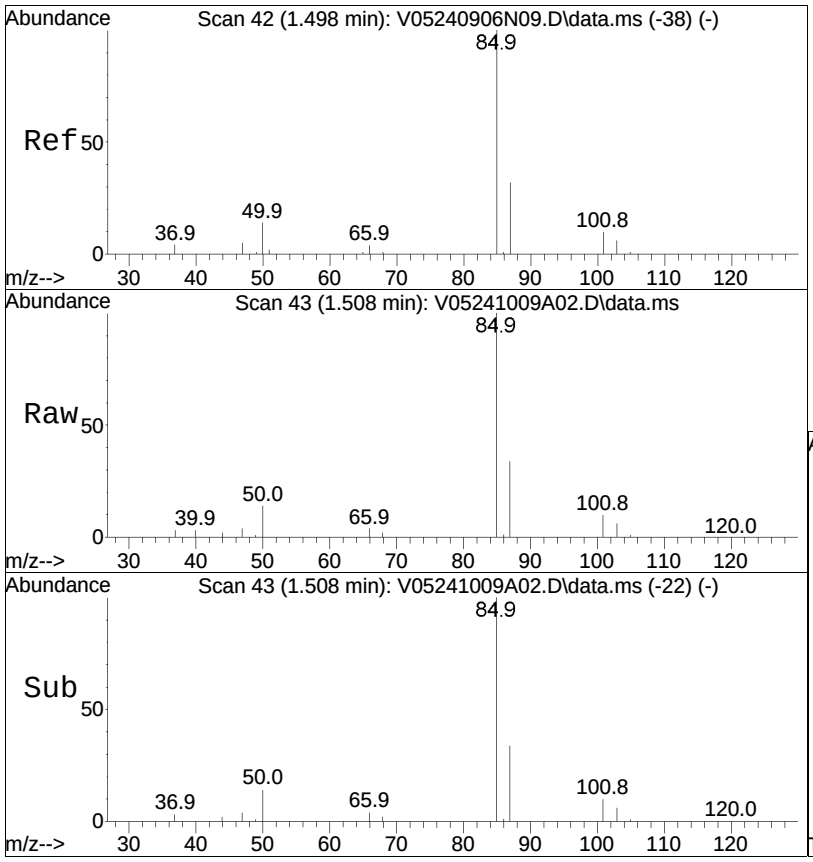
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A02.D
Acq On : 9 Oct 2024 7:04 am
Operator : VOA105:PID
Sample : WG1982134-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:36:57 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

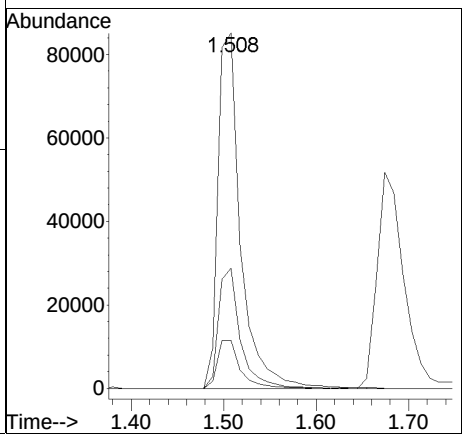


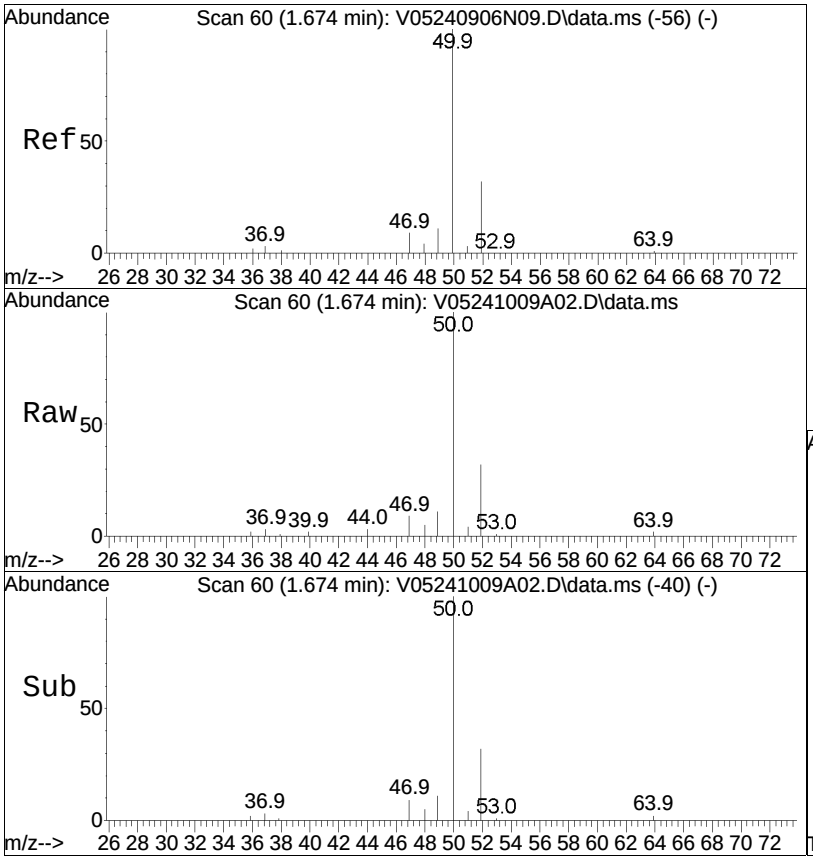


#2
Dichlorodifluoromethane
Concen: 11.07 ug/L
RT: 1.508 min Scan# 43
Delta R.T. 0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 85 Resp: 145997

Ion	Ratio	Lower	Upper
85	100		
87	32.6	20.9	43.5
50	13.7	6.8	14.0

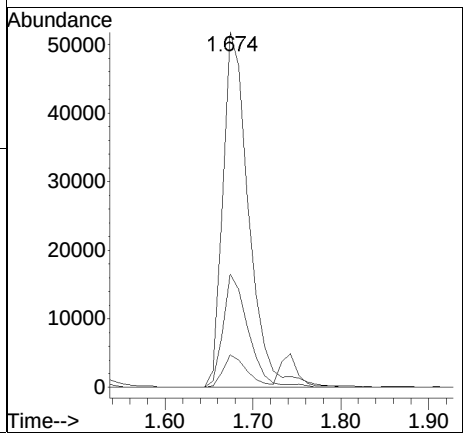


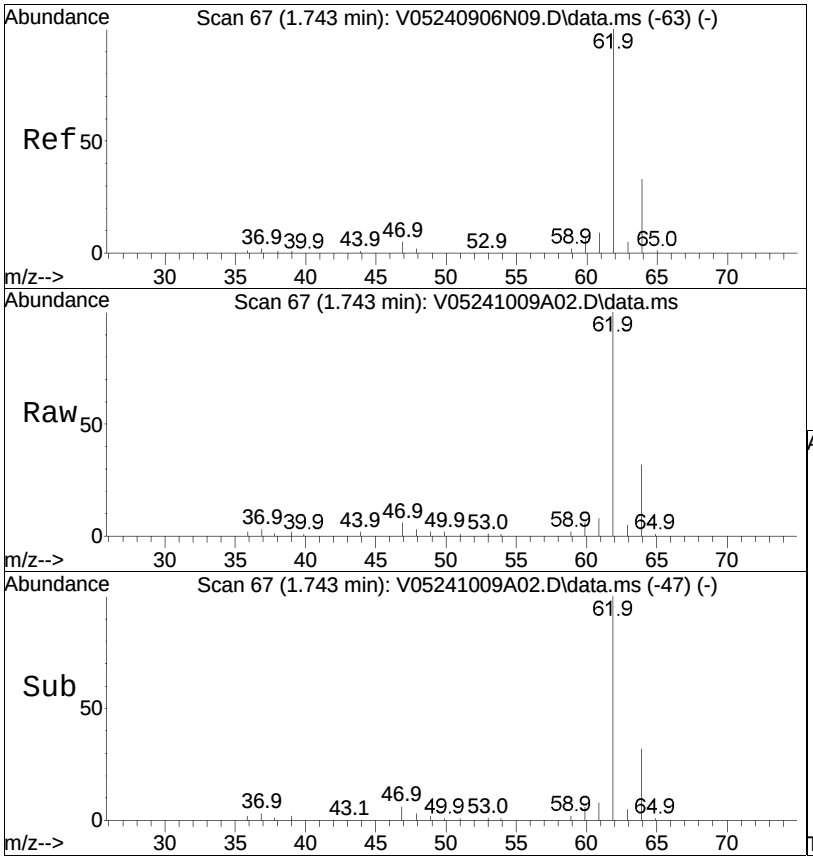


#3
Chloromethane
Concen: 8.37 ug/L
RT: 1.674 min Scan# 60
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 50 Resp: 106624

Ion	Ratio	Lower	Upper
50	100		
52	30.9	12.6	52.6
47	8.6	0.0	30.1

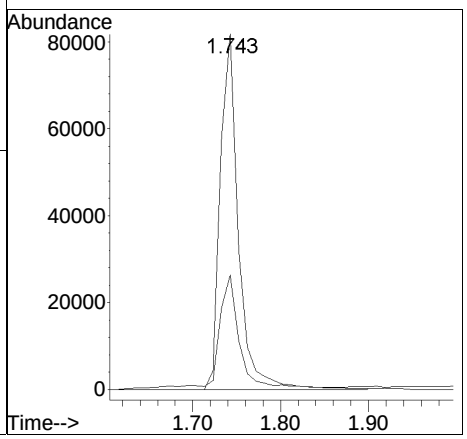


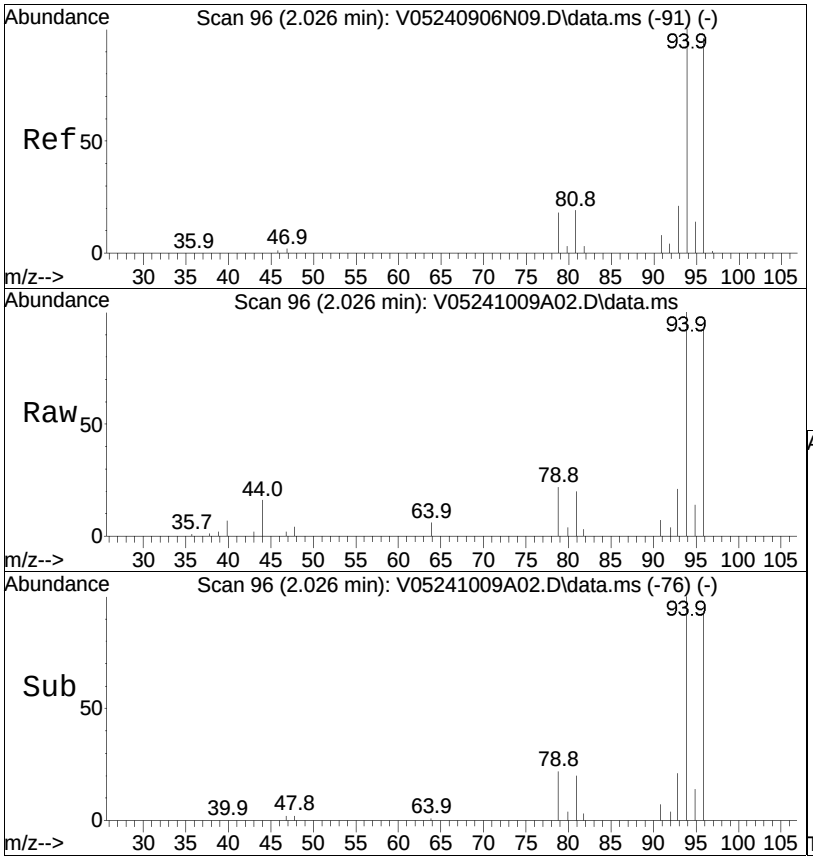


#4
Vinyl chloride
Concen: 10.66 ug/L
RT: 1.743 min Scan# 67
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 62 Resp: 118053

Ion	Ratio	Lower	Upper
62	100		
64	37.9	13.5	53.5

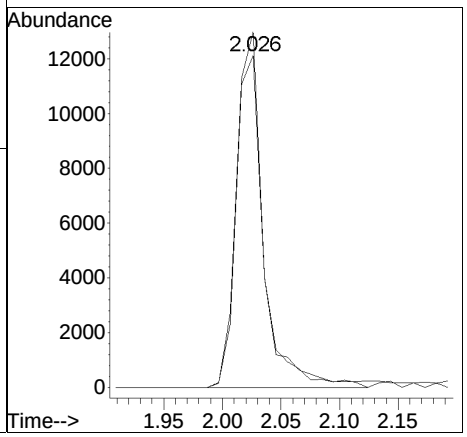


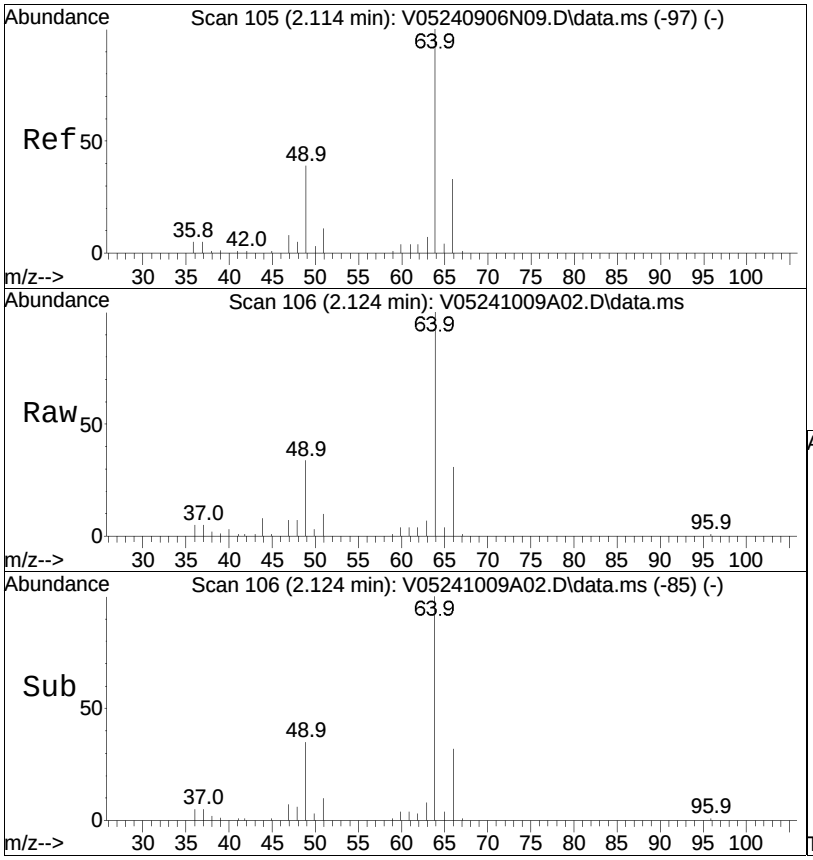


#5
Bromomethane
Concen: 3.85 ug/L
RT: 2.026 min Scan# 96
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 94 Resp: 20752

Ion	Ratio	Lower	Upper
94	100		
96	96.3	75.4	115.4

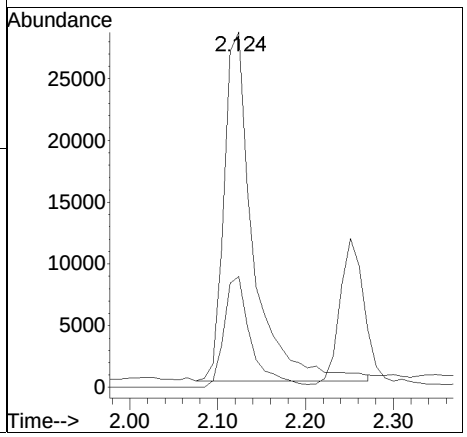


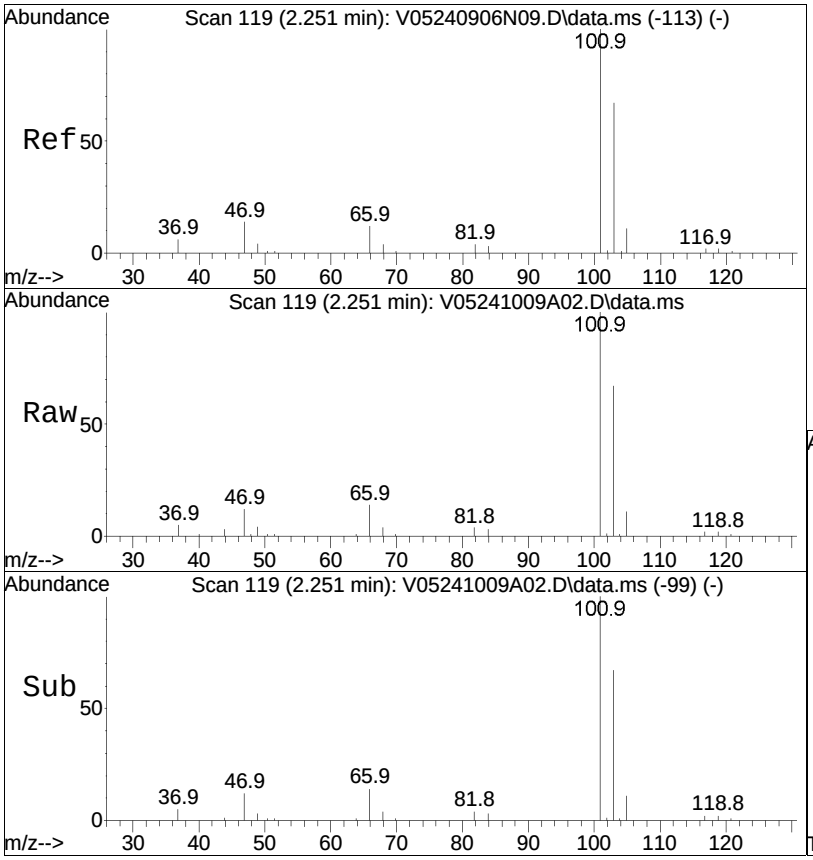


#6
Chloroethane
Concen: 8.43 ug/L
RT: 2.124 min Scan# 106
Delta R.T. 0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 64 Resp: 65228

Ion	Ratio	Lower	Upper
64	100		
66	29.6	13.8	53.8

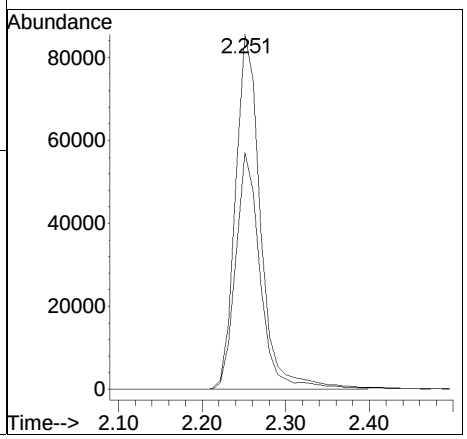


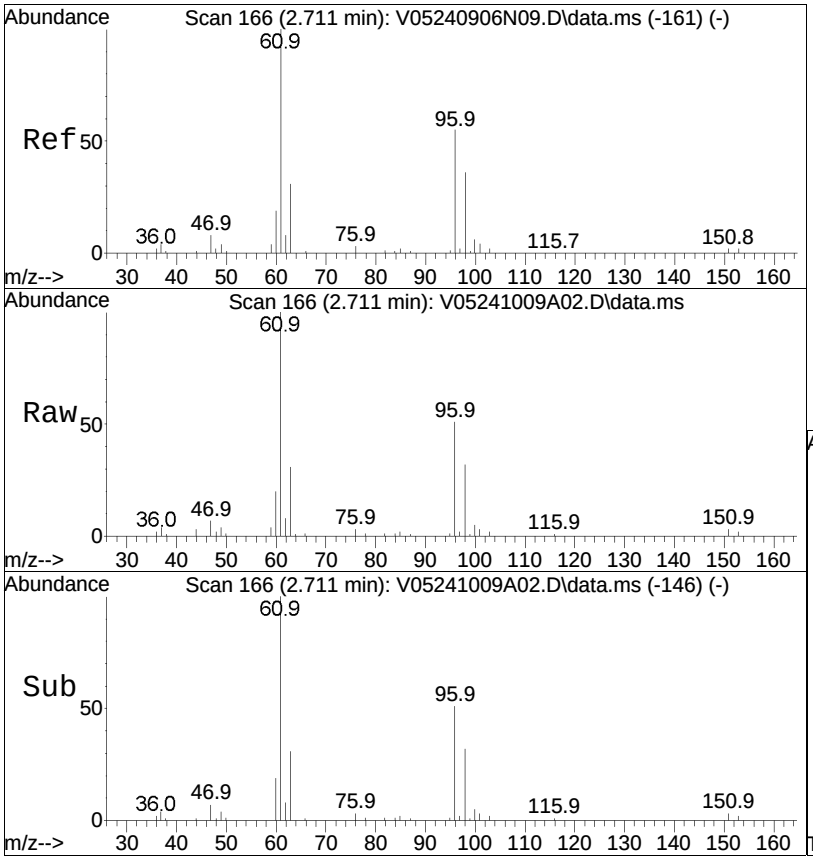


#7
Trichlorofluoromethane
Concen: 10.73 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:101 Resp: 178843

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.8	77.6

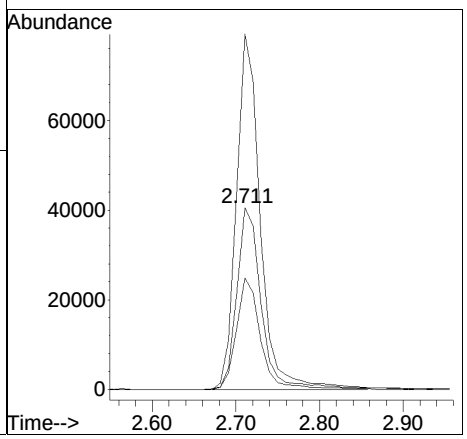


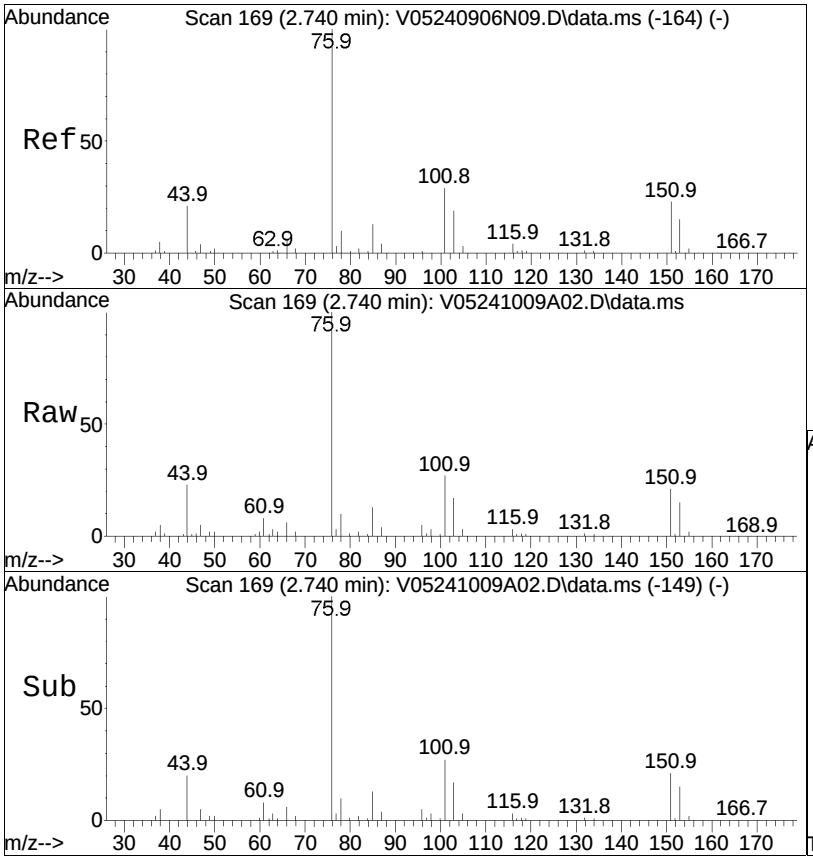


#10
1,1-Dichloroethene
Concen: 9.97 ug/L
RT: 2.711 min Scan# 166
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 96 Resp: 82668

Ion	Ratio	Lower	Upper
96	100		
61	190.7	136.7	205.1
63	60.6	45.0	67.6

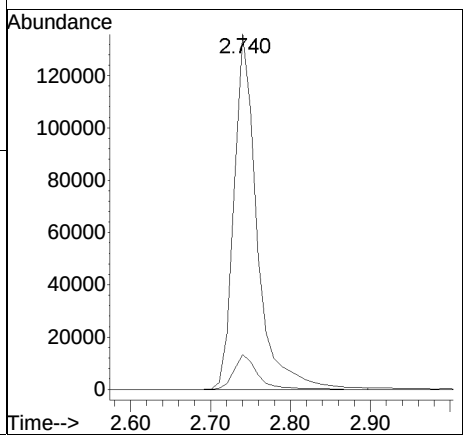


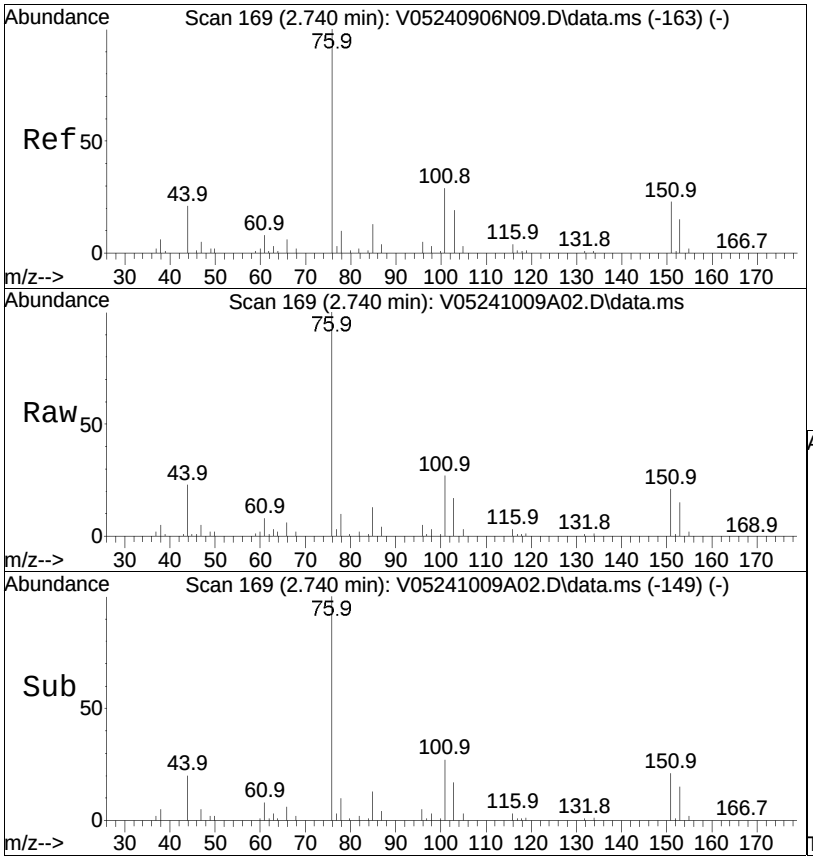


#11
Carbon disulfide
Concen: 10.76 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 76 Resp: 274772

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.7	13.9

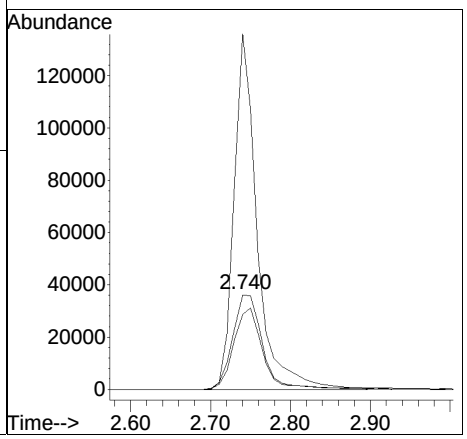


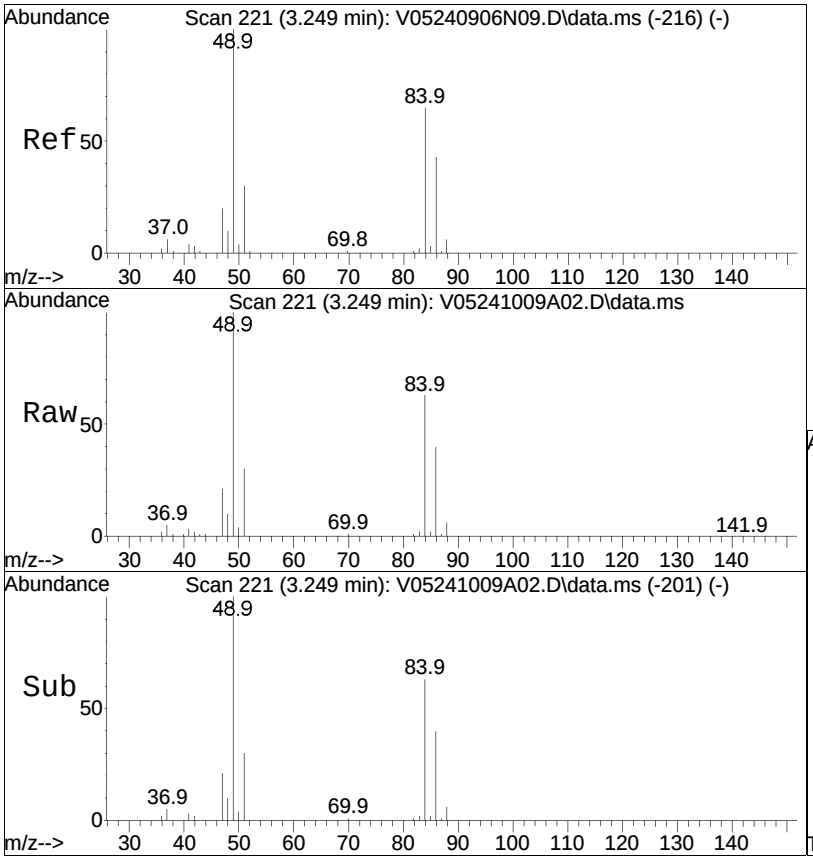


#12
Freon-113
Concen: 10.39 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:101 Resp: 94787

Ion	Ratio	Lower	Upper
101	100		
151	82.9	65.0	97.6
76	289.9	190.0	285.0#

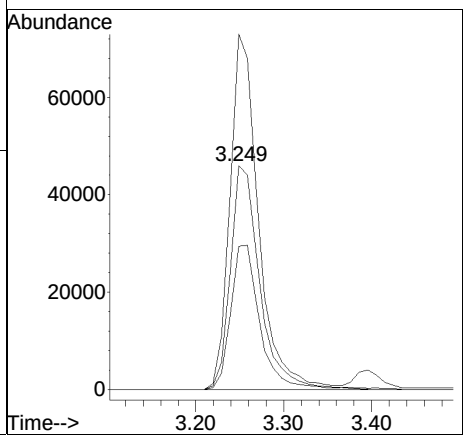


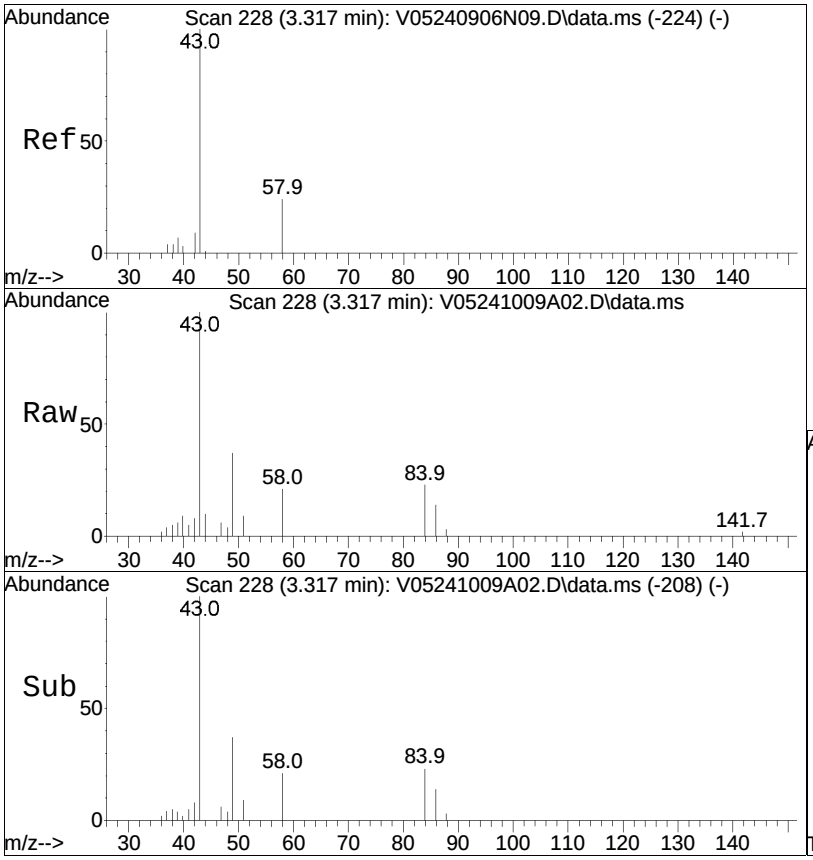


#15
Methylene chloride
Concen: 10.87 ug/L
RT: 3.249 min Scan# 221
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 84 Resp: 107080

Ion	Ratio	Lower	Upper
84	100		
86	63.7	42.1	87.5
49	153.7	69.3	143.9#

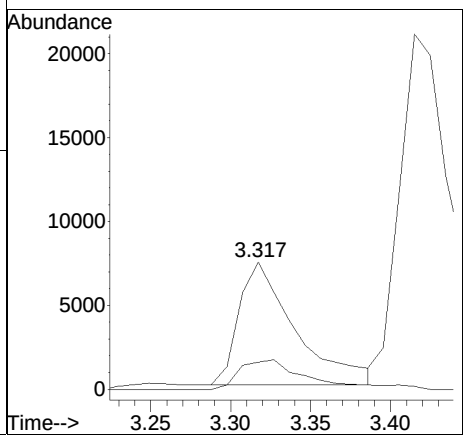


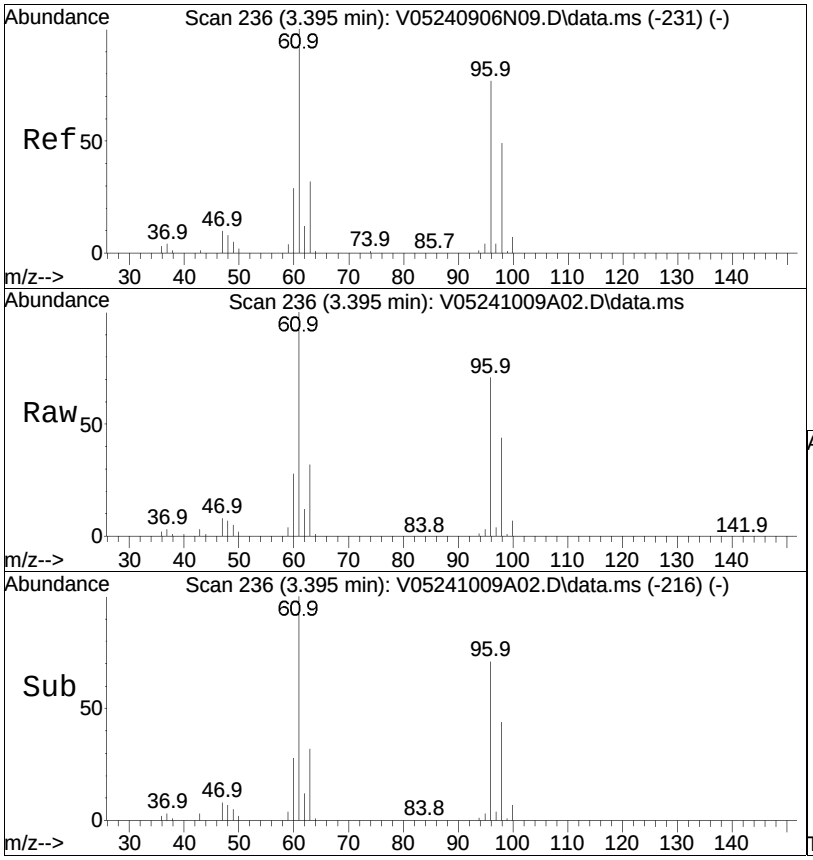


#17
Acetone
Concen: 8.44 ug/L
RT: 3.317 min Scan# 228
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 43 Resp: 17979

Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.0	33.0

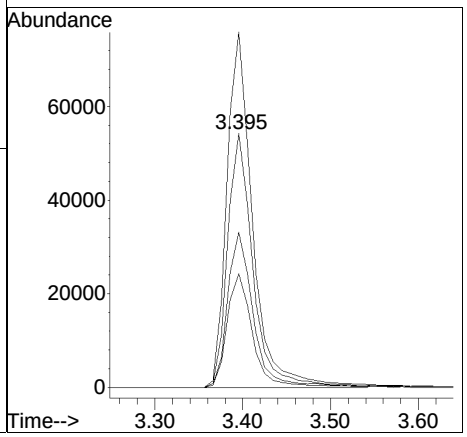


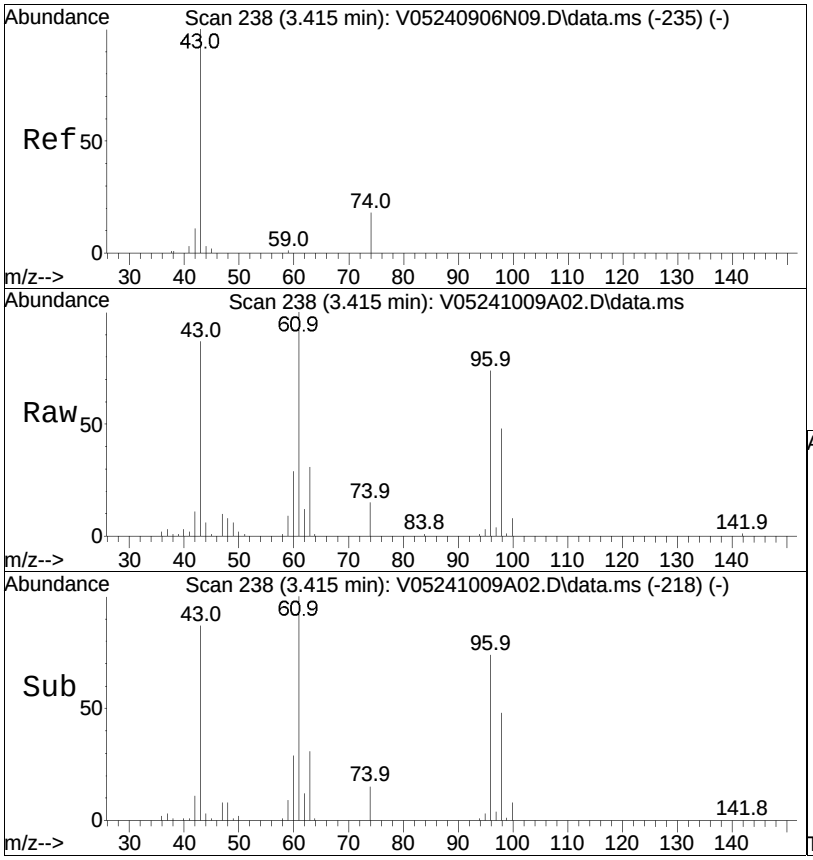


#18
trans-1,2-Dichloroethene
Concen: 11.20 ug/L
RT: 3.395 min Scan# 236
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 96 Resp: 109837

Ion	Ratio	Lower	Upper
96	100		
61	141.7	91.7	190.5
98	61.7	41.1	85.5
63	44.9	29.4	61.0

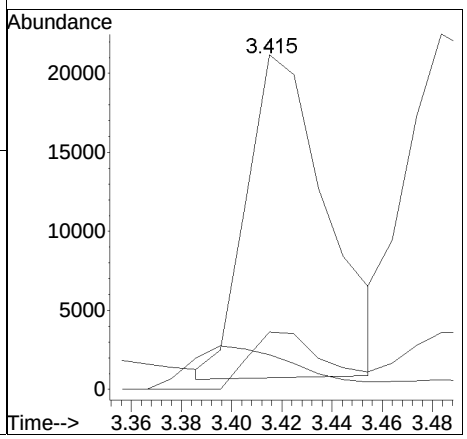


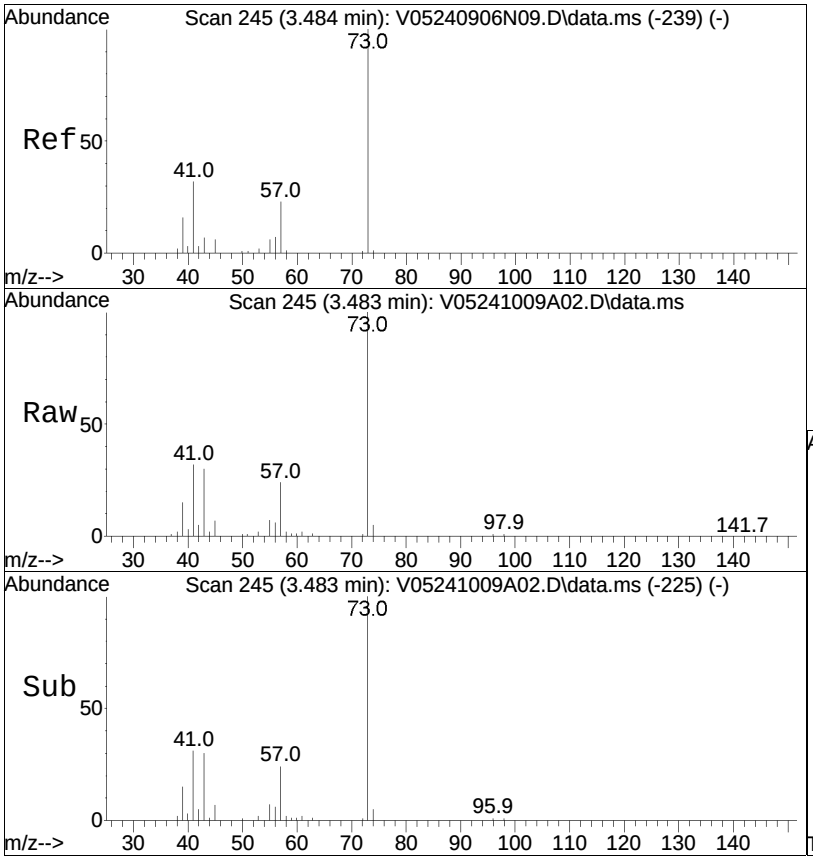


#19
Methyl acetate
Concen: 9.74 ug/L
RT: 3.415 min Scan# 238
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 43 Resp: 45508

Ion	Ratio	Lower	Upper
43	100		
74	17.4	23.1	34.7#
59	17.9	23.9	35.9#

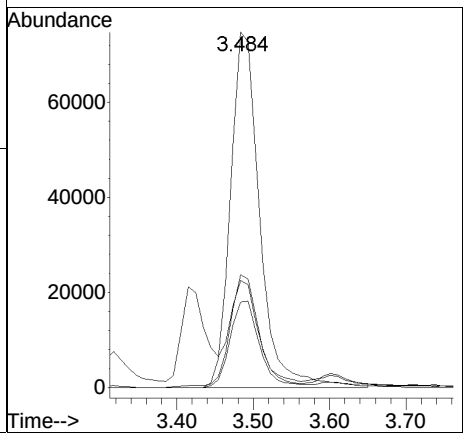


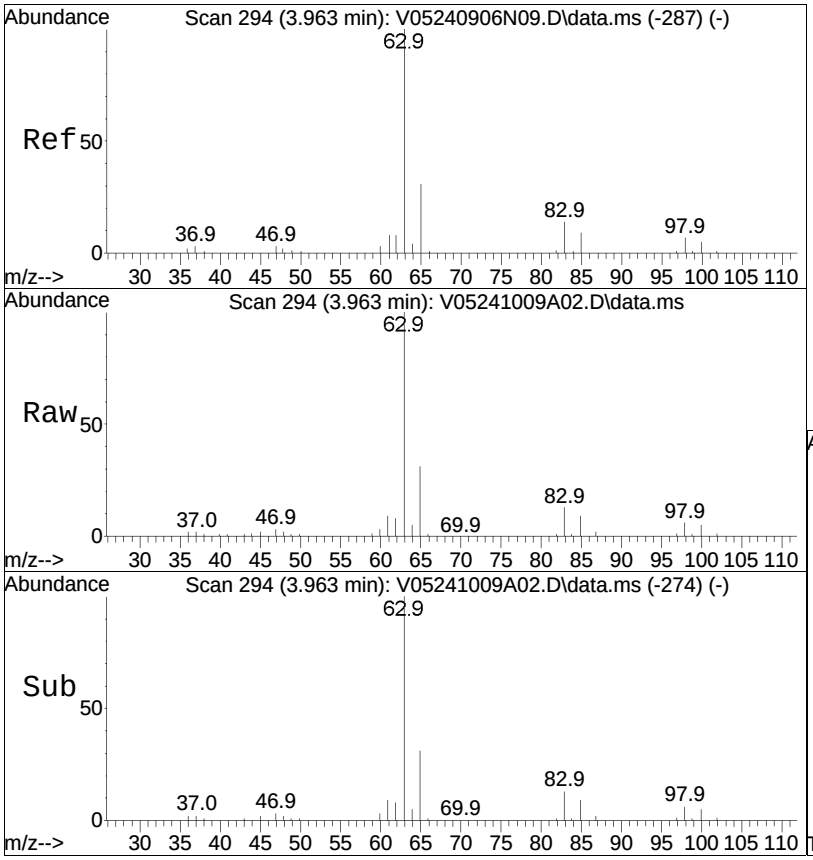


#20
Methyl tert-butyl ether
Concen: 9.25 ug/L
RT: 3.483 min Scan# 245
Delta R.T. -0.001 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 73 Resp: 199809

Ion	Ratio	Lower	Upper
73	100		
57	24.2	11.8	24.6
43	27.4	13.5	27.9
41	31.5	13.3	27.5#

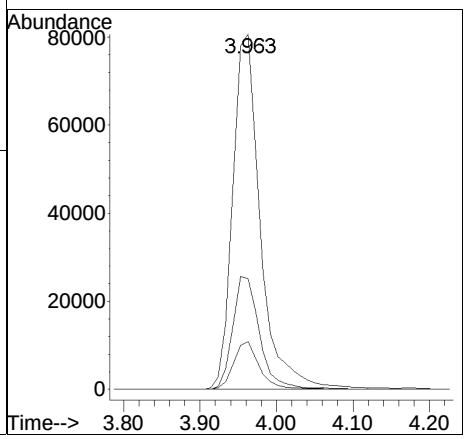


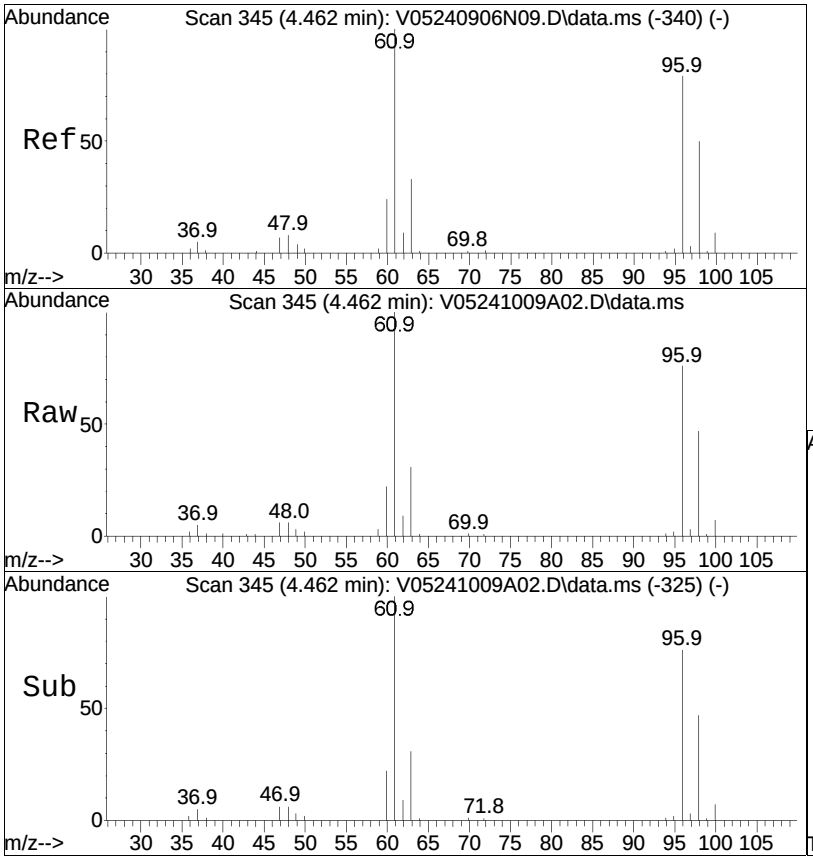


#23
1,1-Dichloroethane
Concen: 11.40 ug/L
RT: 3.963 min Scan# 294
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 63 Resp: 203528

Ion	Ratio	Lower	Upper
63	100		
65	31.0	11.9	51.9
83	12.6	0.0	34.2

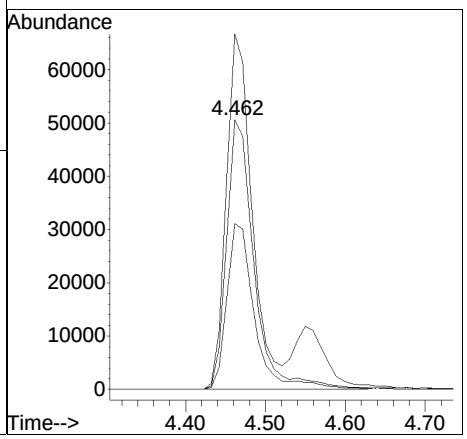


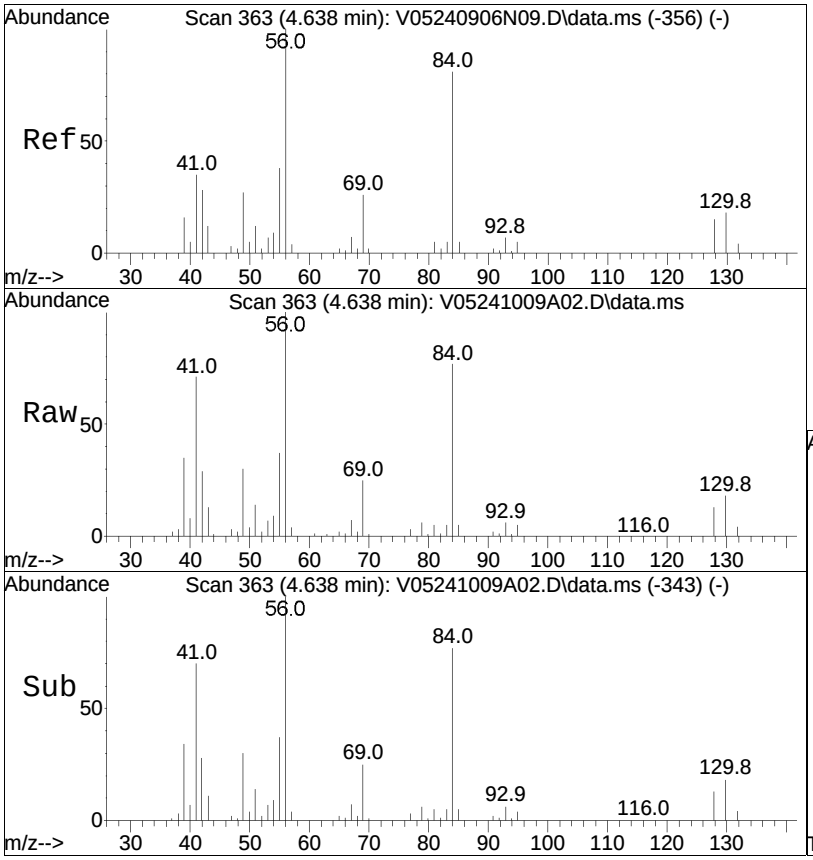


#28
cis-1,2-Dichloroethene
Concen: 10.92 ug/L
RT: 4.462 min Scan# 345
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 96 Resp: 121309

Ion	Ratio	Lower	Upper
96	100		
61	123.1	100.5	150.7
98	62.2	49.8	74.8

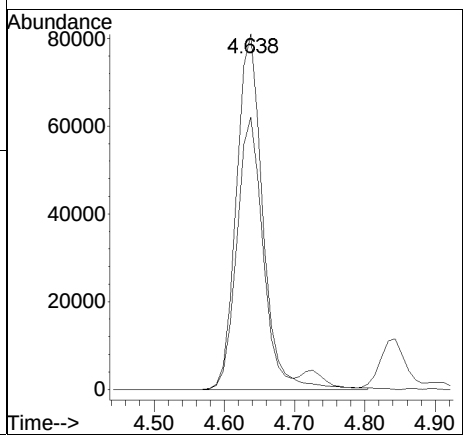


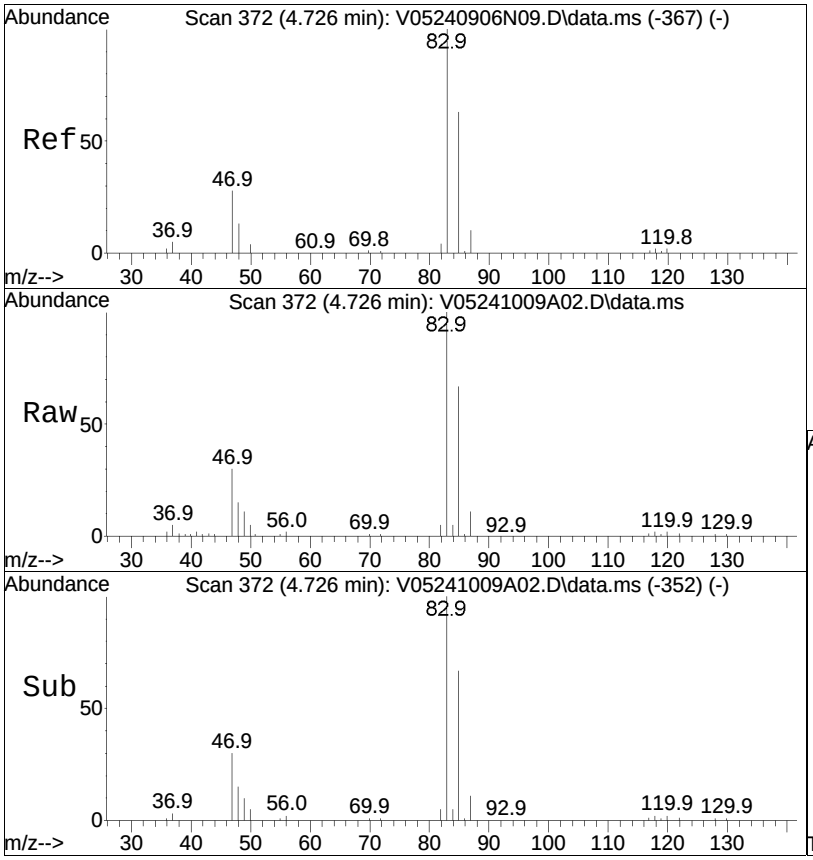


#31
Cyclohexane
Concen: 12.24 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 56 Resp: 210892

Ion	Ratio	Lower	Upper
56	100		
84	75.3	64.4	133.8

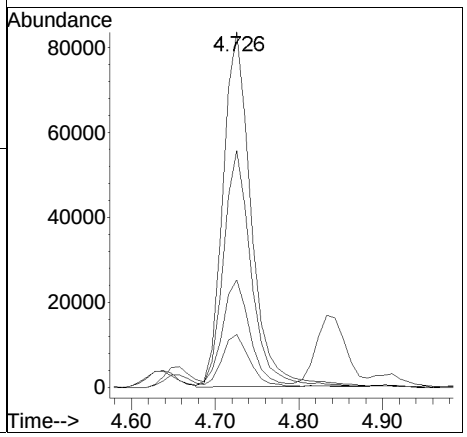


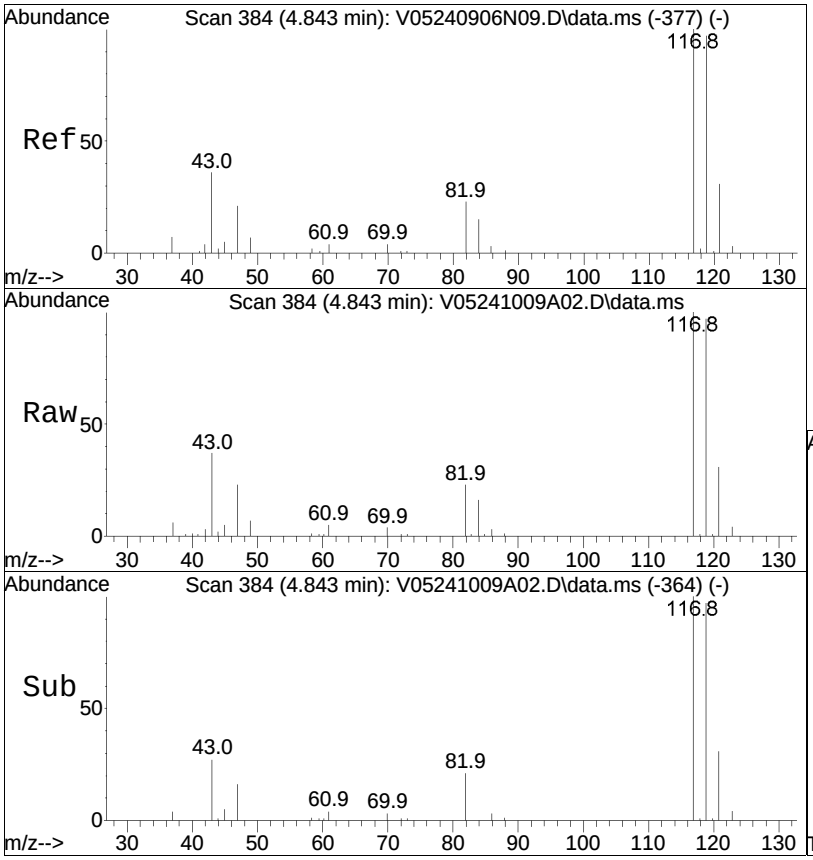


#32
Chloroform
Concen: 10.49 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 195875

Ion	Ratio	Lower	Upper
83	100		
85	65.6	42.8	89.0
47	27.4	13.7	28.4
48	14.6	6.9	14.3#

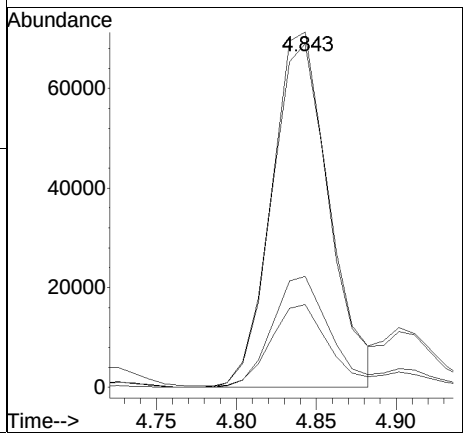


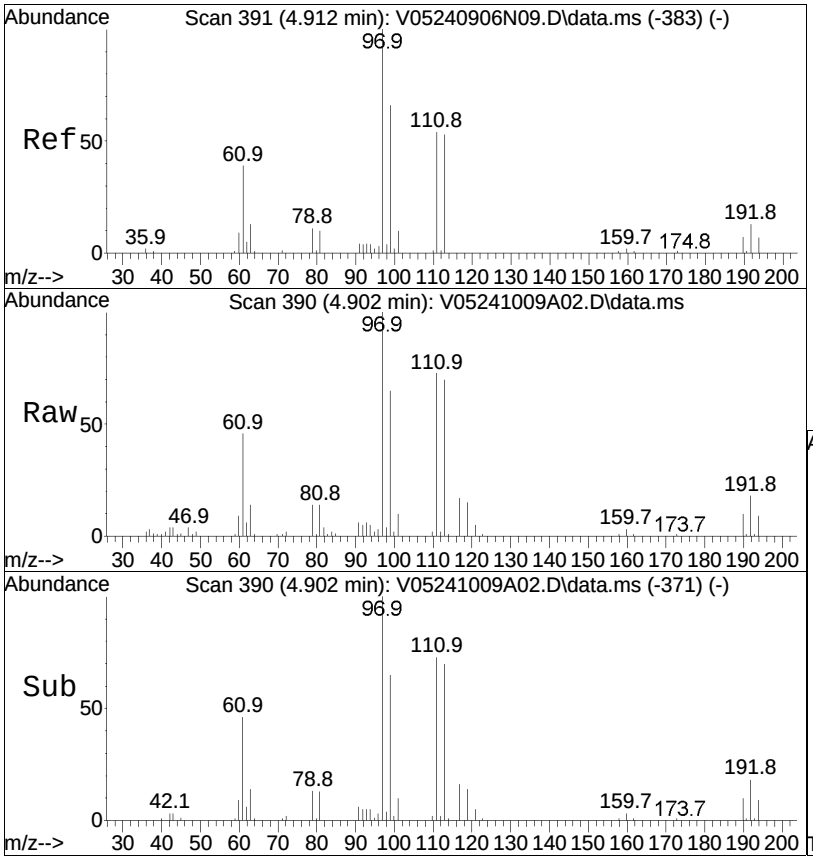


#34
Carbon tetrachloride
Concen: 11.21 ug/L
RT: 4.843 min Scan# 384
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:117 Resp: 179620

Ion	Ratio	Lower	Upper
117	100		
119	96.3	63.6	132.2
121	31.0	19.8	41.0
82	22.7	15.9	32.9

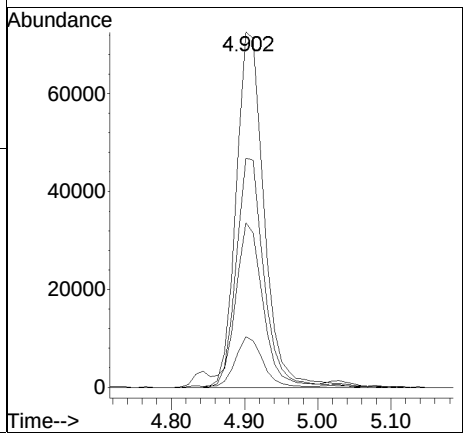


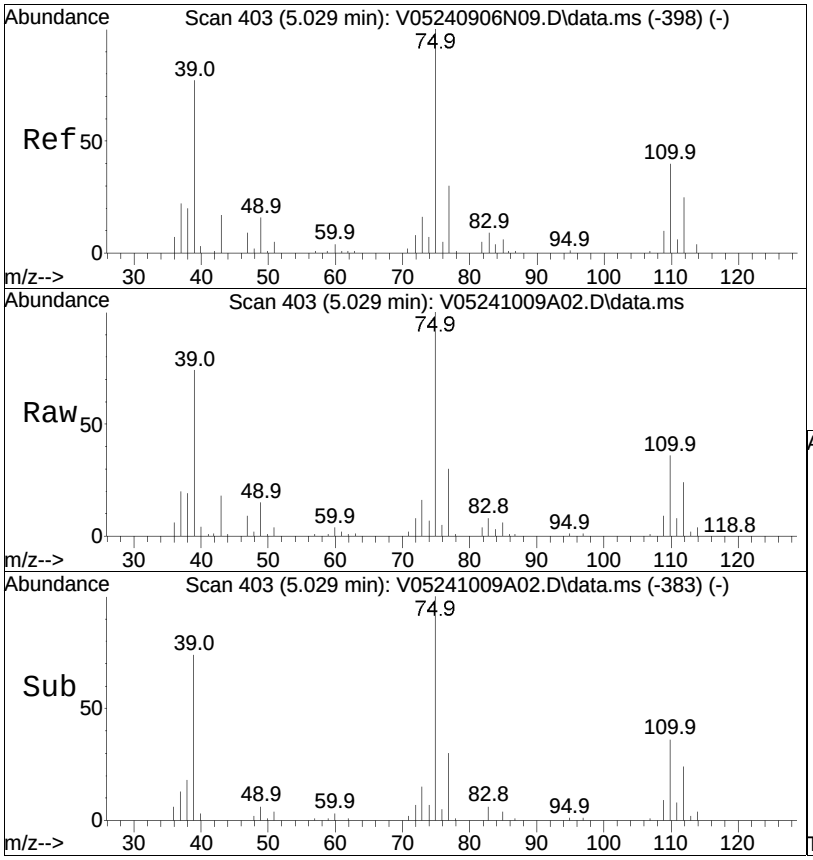


#37
1,1,1-Trichloroethane
Concen: 11.14 ug/L
RT: 4.902 min Scan# 390
Delta R.T. -0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 97 Resp: 193885

Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.7	86.5
61	45.2	26.1	54.3
63	14.3	8.5	17.6

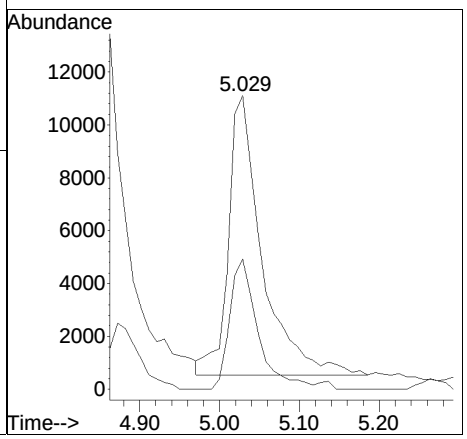


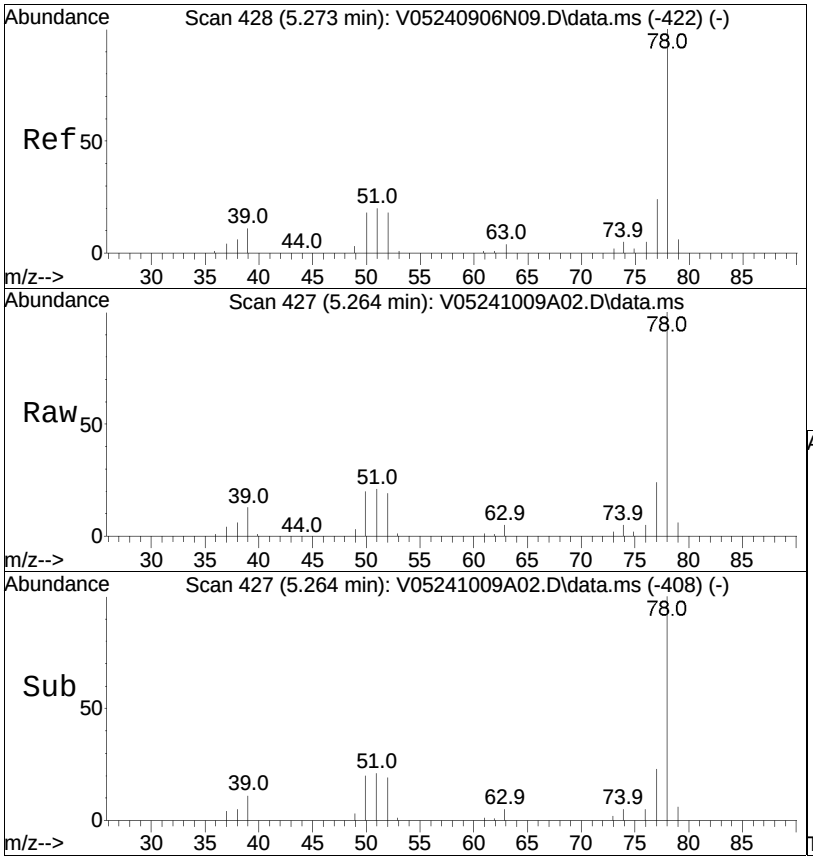


#39
2-Butanone
Concen: 9.55 ug/L
RT: 5.029 min Scan# 403
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 43 Resp: 30918

Ion	Ratio	Lower	Upper
43	100		
72	39.2	55.6	83.4#

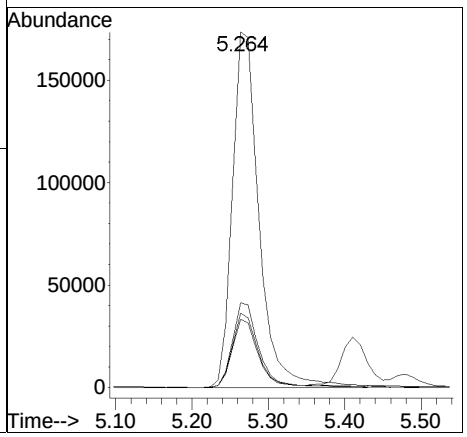


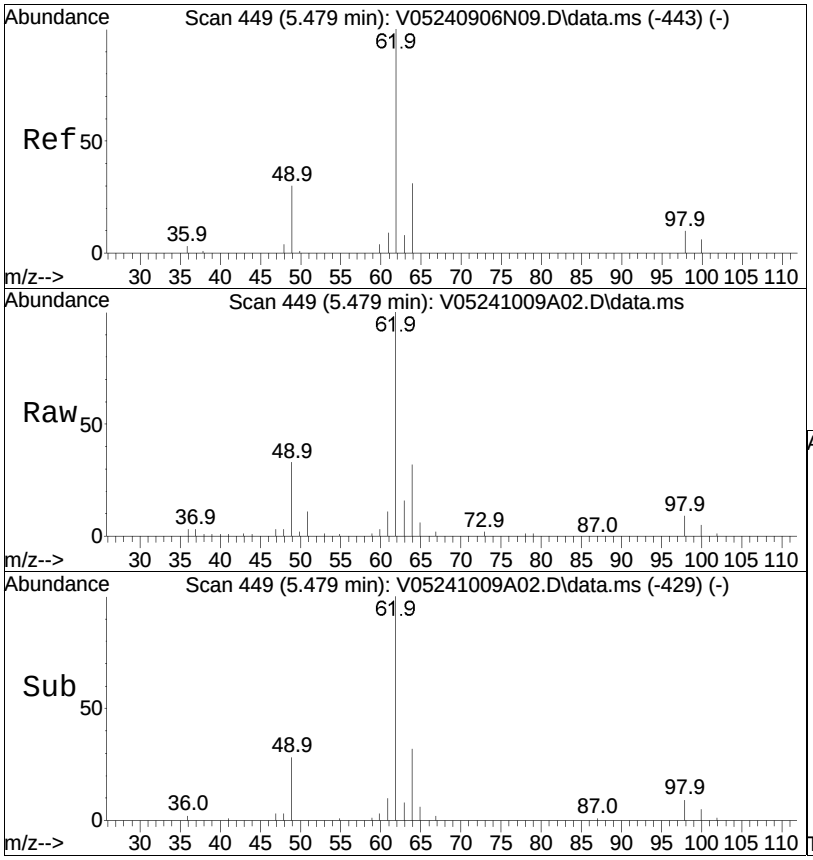


#41
Benzene
Concen: 11.13 ug/L
RT: 5.264 min Scan# 427
Delta R.T. -0.009 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 78 Resp: 422391

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.2	31.6
51	20.0	10.5	21.7
52	19.4	9.5	19.7

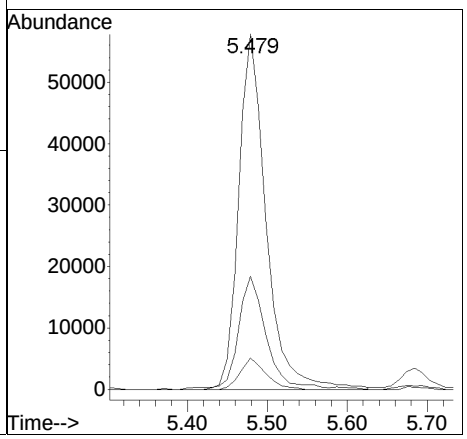


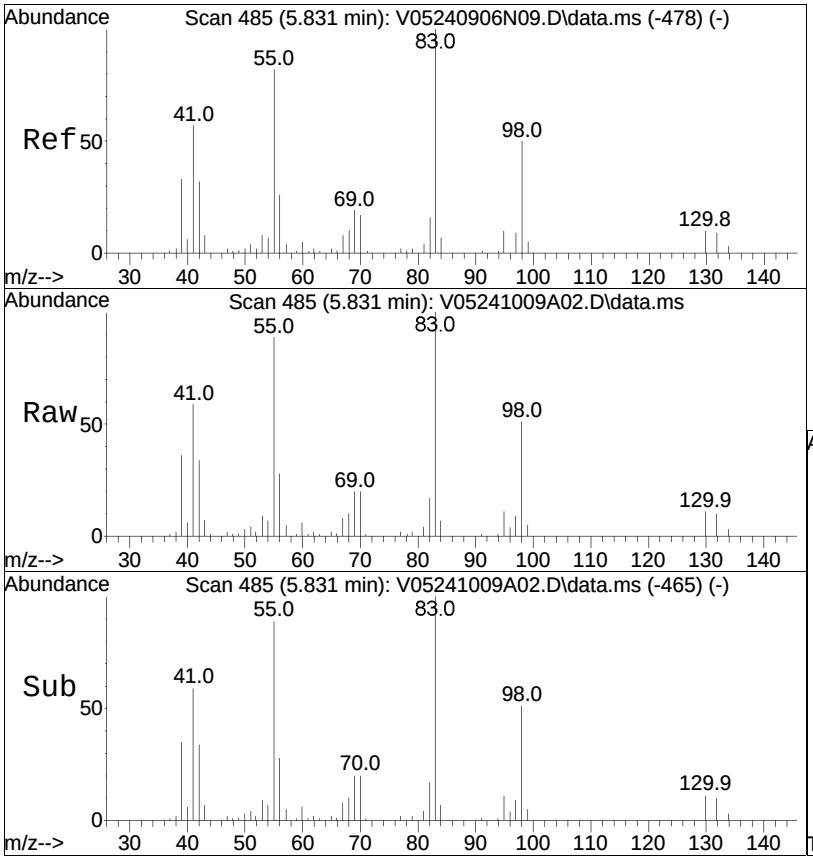


#44
1,2-Dichloroethane
Concen: 11.02 ug/L
RT: 5.479 min Scan# 449
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 62 Resp: 138072

Ion	Ratio	Lower	Upper
62	100		
64	32.3	13.2	53.2
98	8.3	0.0	27.8

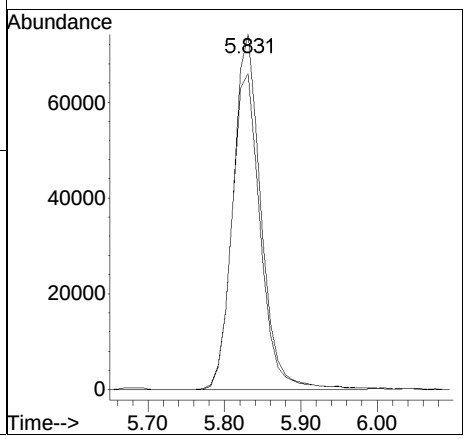


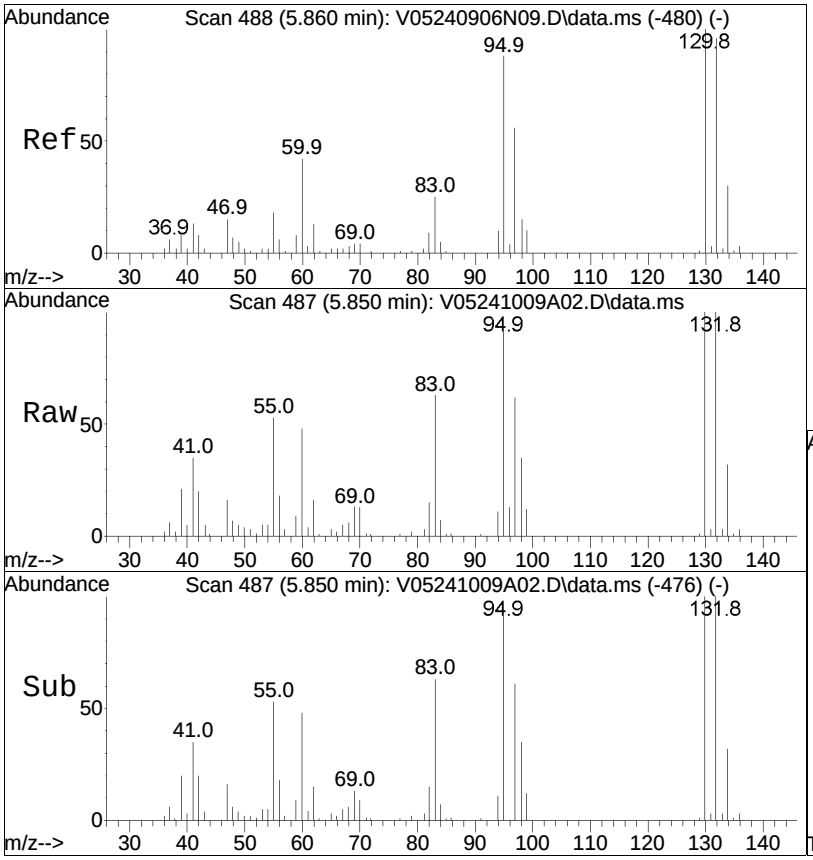


#47
Methyl cyclohexane
Concen: 10.80 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 188062

Ion	Ratio	Lower	Upper
83	100		
55	90.8	57.3	85.9#

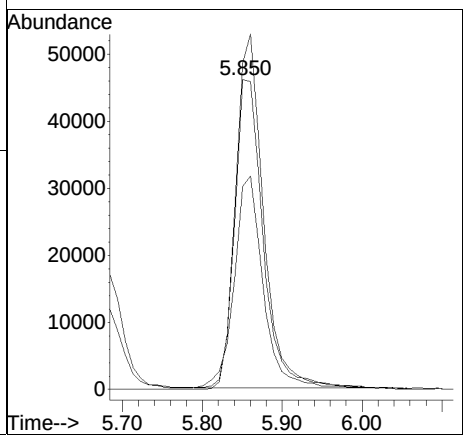


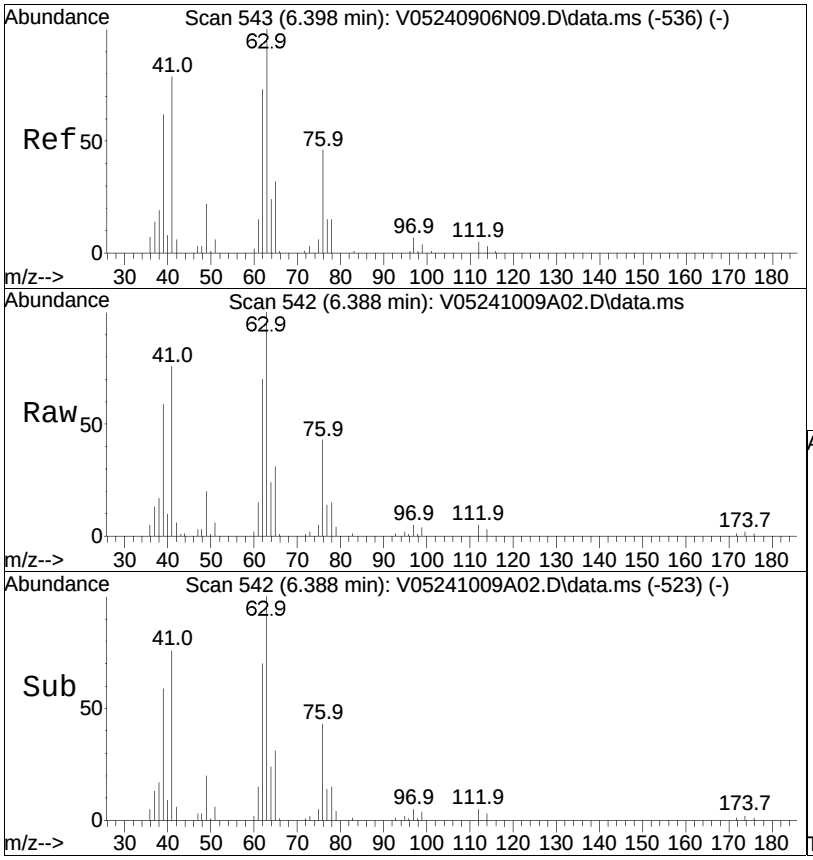


#48
Trichloroethene
Concen: 10.09 ug/L
RT: 5.850 min Scan# 487
Delta R.T. -0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 95 Resp: 114039

Ion	Ratio	Lower	Upper
95	100		
97	70.2	56.1	84.1
130	114.3	77.7	116.5

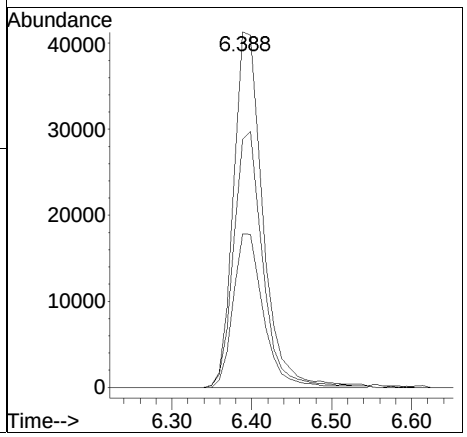


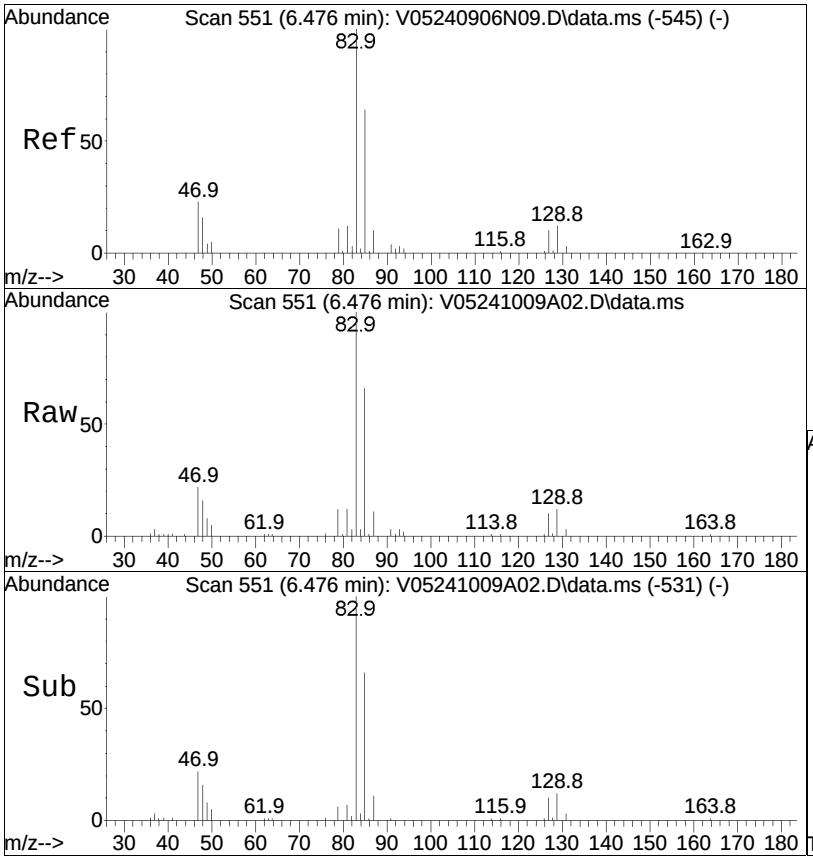


#51
1,2-Dichloropropane
Concen: 11.19 ug/L
RT: 6.388 min Scan# 542
Delta R.T. -0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 63 Resp: 106034

Ion	Ratio	Lower	Upper
63	100		
62	71.1	57.0	85.4
76	44.1	48.4	72.6#

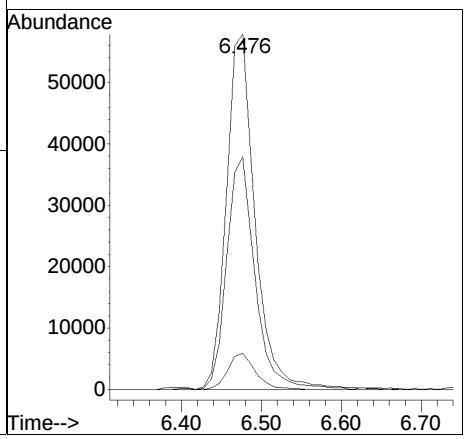


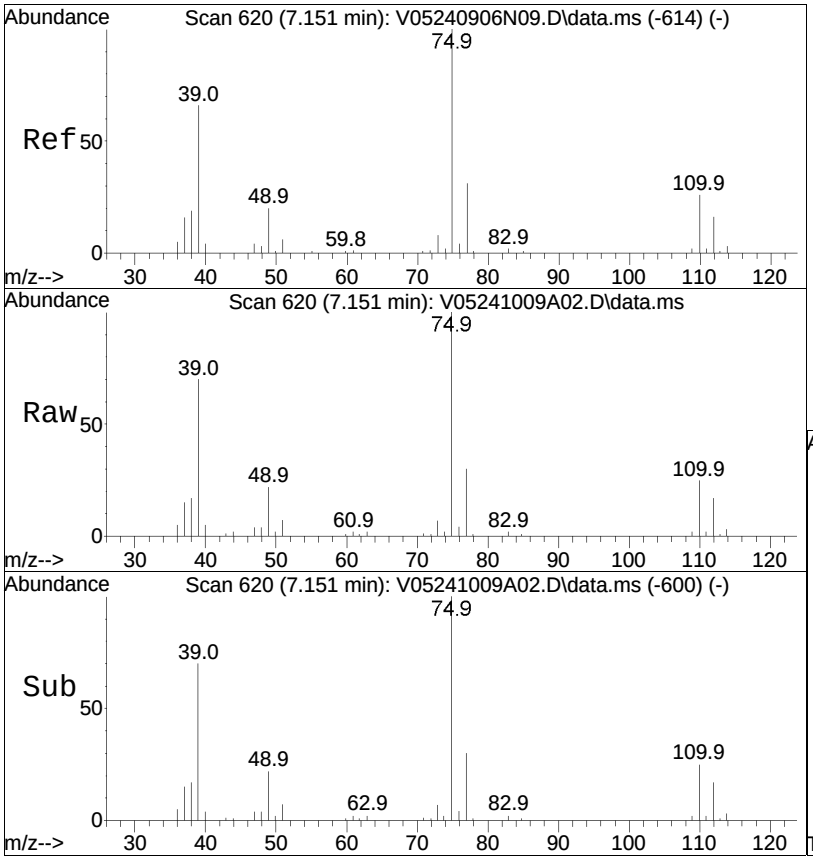


#54
Bromodichloromethane
Concen: 10.41 ug/L
RT: 6.476 min Scan# 551
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 144548

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.6
127	9.7	6.7	10.1

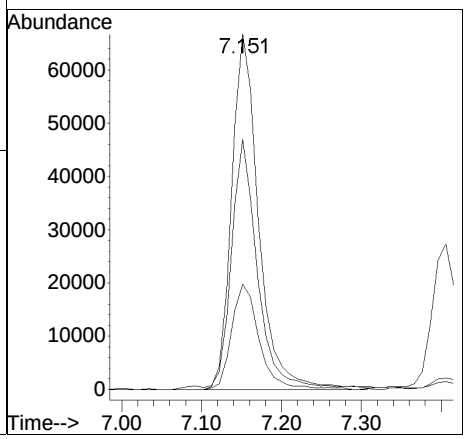


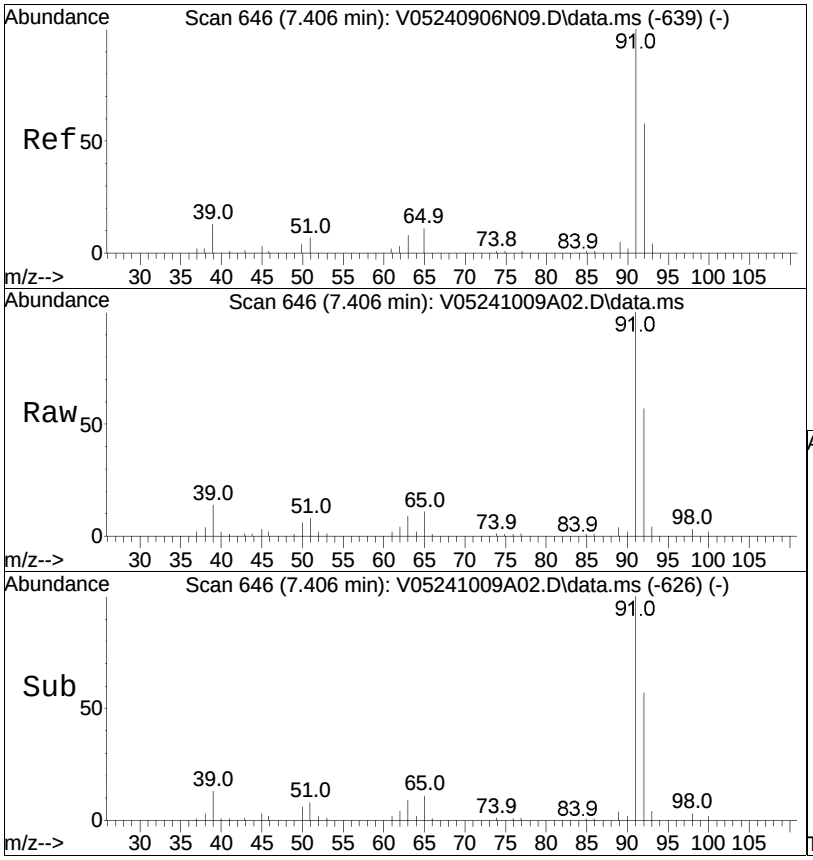


#58
cis-1,3-Dichloropropene
Concen: 10.76 ug/L
RT: 7.151 min Scan# 620
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 75 Resp: 157108

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.5	38.3
39	68.4	40.4	60.6#

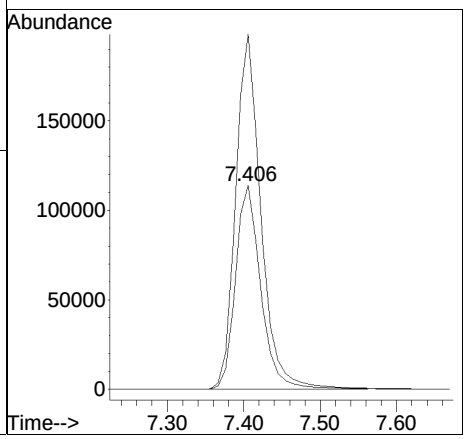


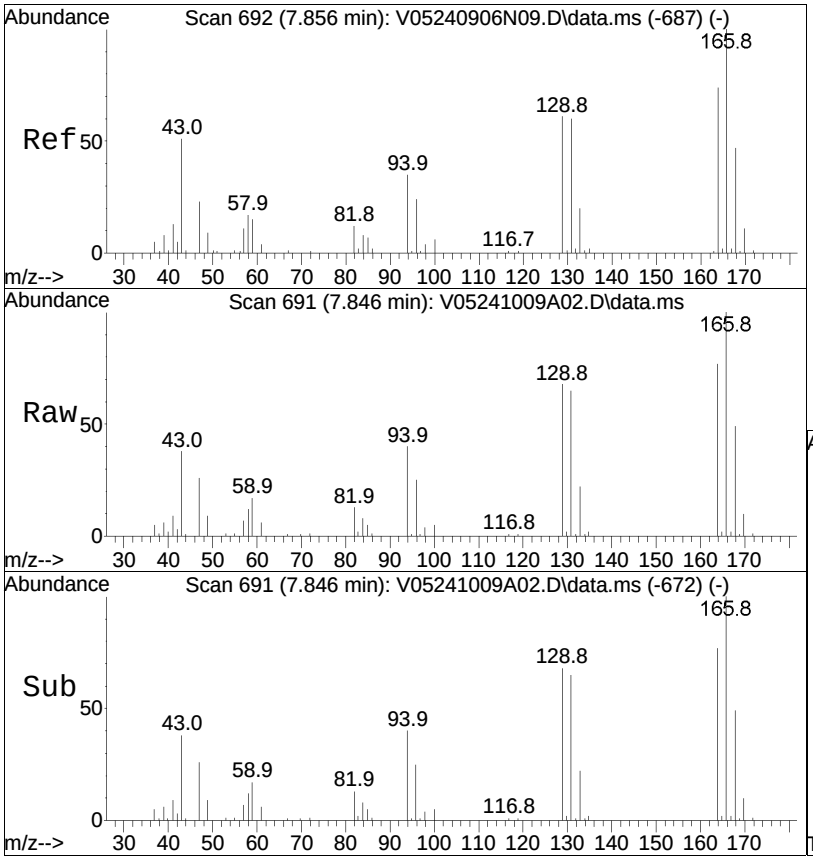


#61
Toluene
Concen: 10.60 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 92 Resp: 262840

Ion	Ratio	Lower	Upper
92	100		
91	173.6	135.2	202.8

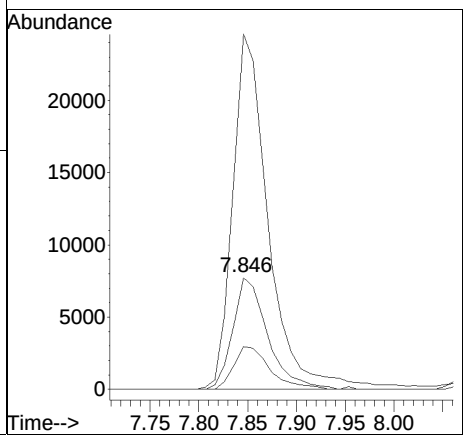


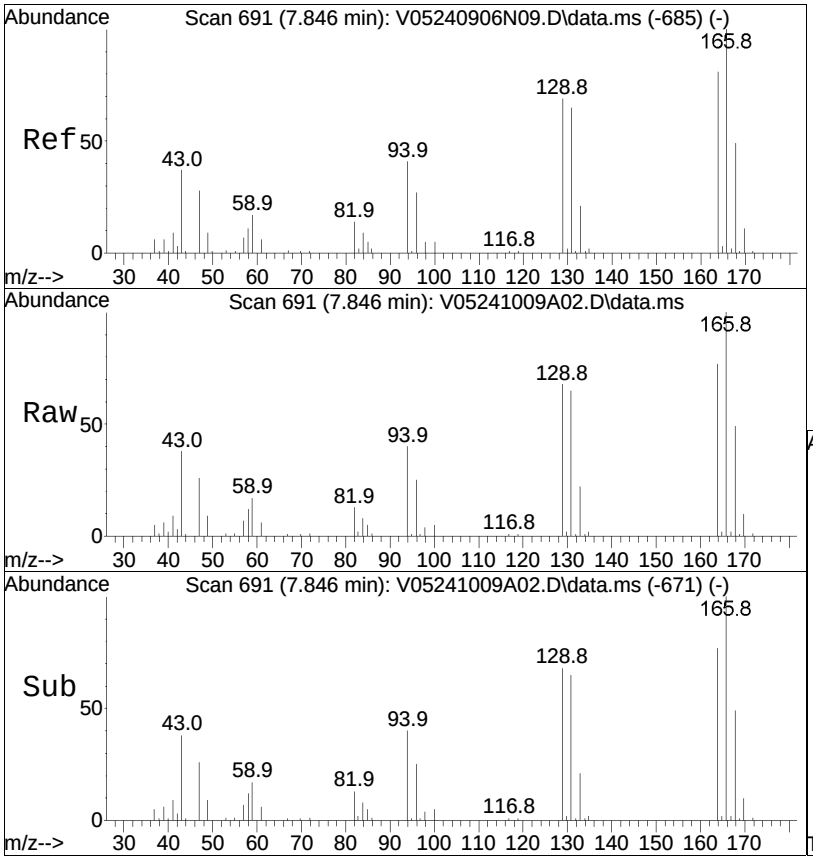


#62
4-Methyl-2-pentanone
Concen: 9.43 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 58 Resp: 19347

Ion	Ratio	Lower	Upper
58	100		
100	39.9	38.9	58.3
43	324.7	204.2	306.2#

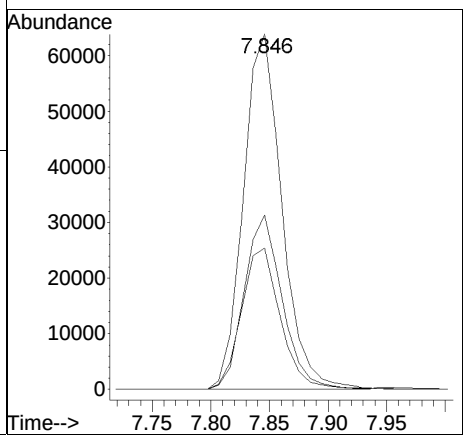


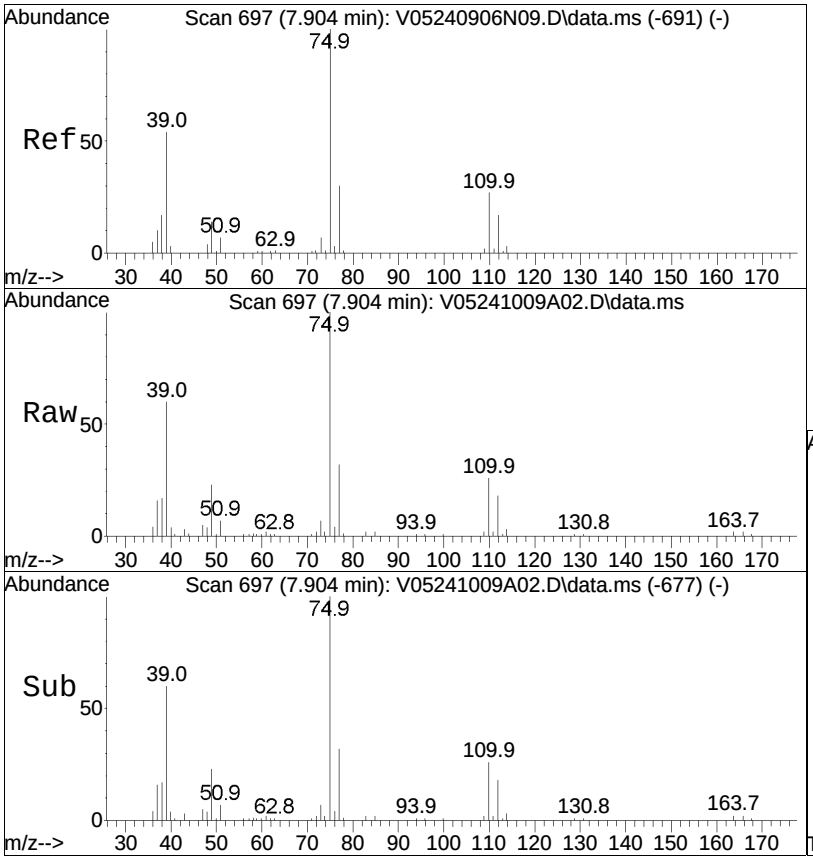


#63
Tetrachloroethene
Concen: 11.17 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:166 Resp: 146169

Ion	Ratio	Lower	Upper
166	100		
168	48.7	30.2	70.2
94	40.3	32.5	72.5

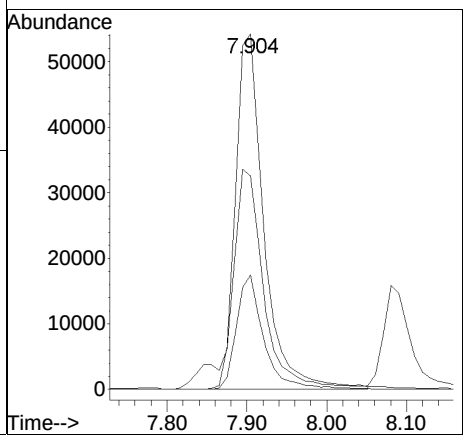


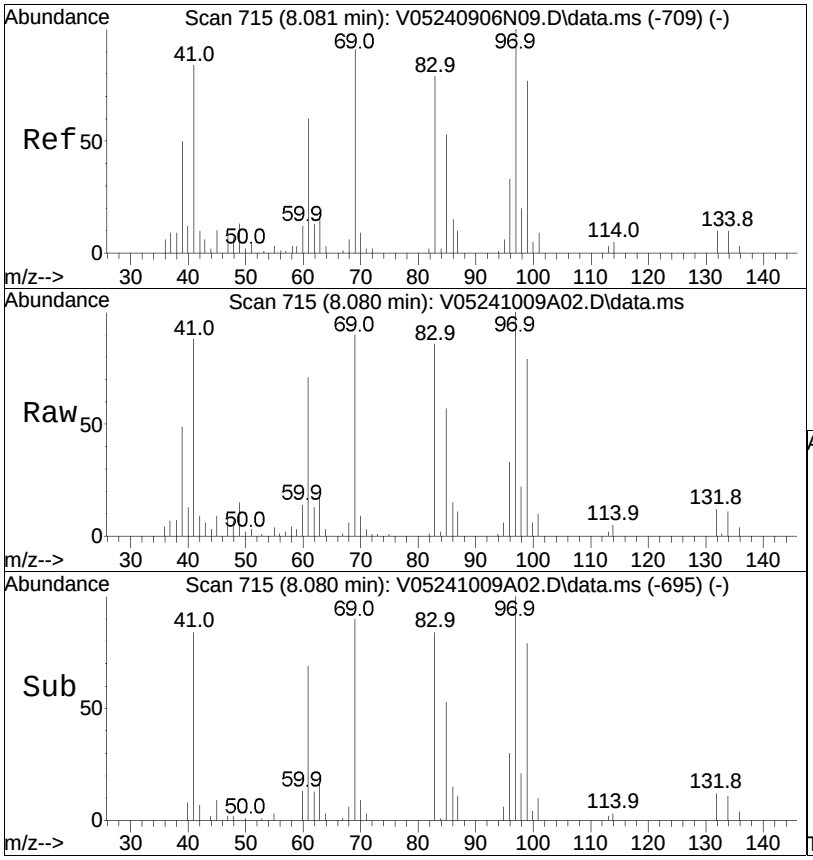


#65
trans-1,3-Dichloropropene
Concen: 11.13 ug/L
RT: 7.904 min Scan# 697
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 75 Resp: 134205

Ion	Ratio	Lower	Upper
75	100		
77	31.0	11.5	51.5
39	70.4	29.3	69.3#

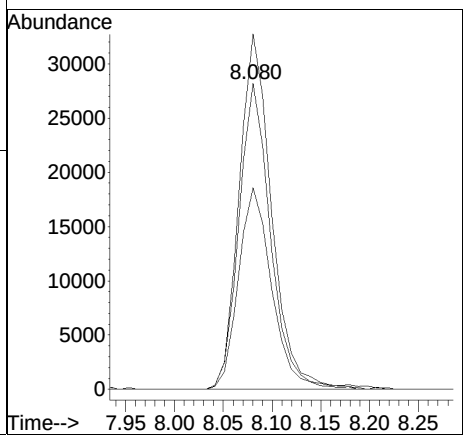


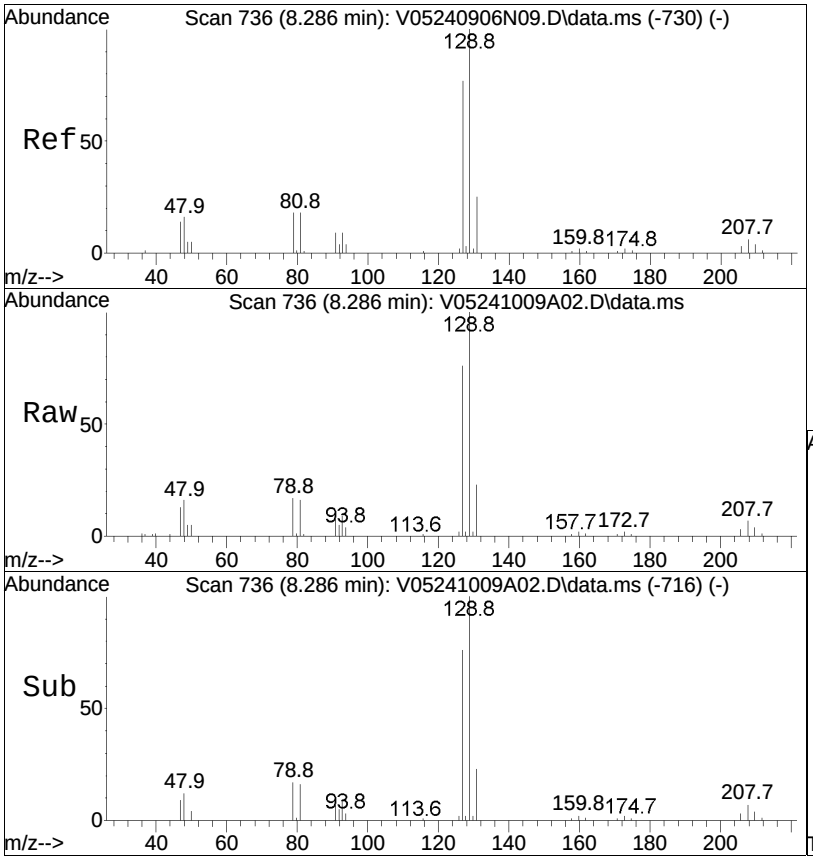


#68
1,1,2-Trichloroethane
Concen: 10.40 ug/L
RT: 8.080 min Scan# 715
Delta R.T. -0.001 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 63805

Ion	Ratio	Lower	Upper
83	100		
97	119.8	102.2	142.2
85	69.2	47.5	87.5

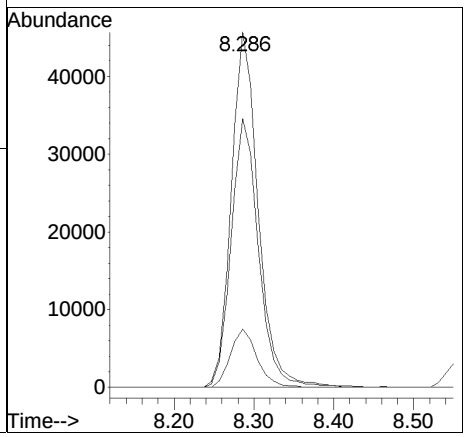


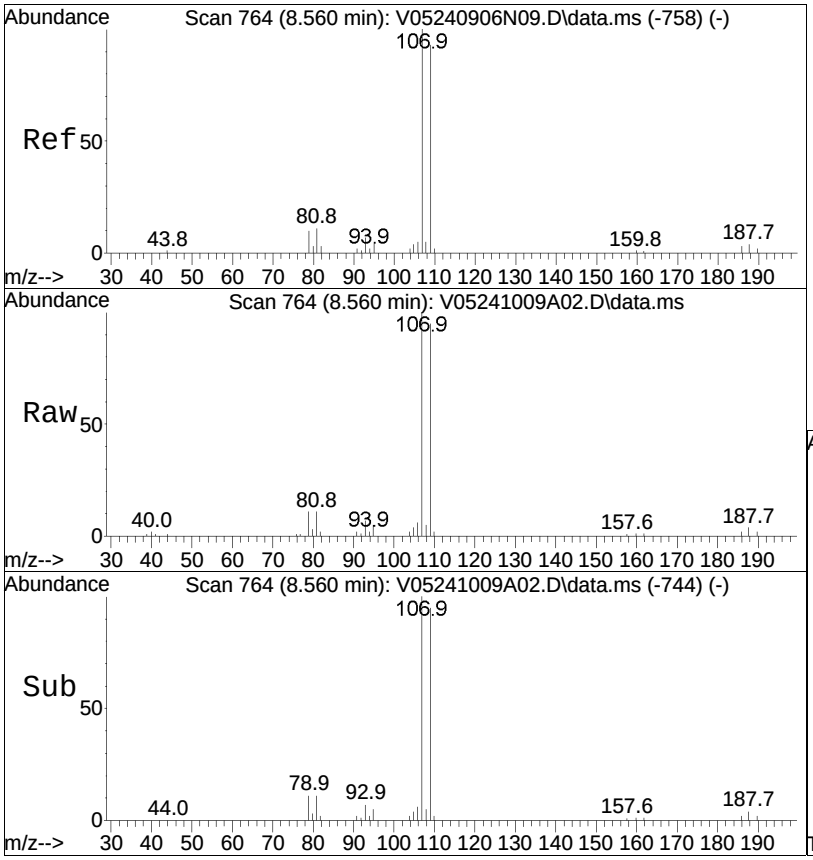


#69
Chlorodibromomethane
Concen: 10.28 ug/L
RT: 8.286 min Scan# 736
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:129 Resp: 107478

Ion	Ratio	Lower	Upper
129	100		
81	16.3	0.0	37.0
127	76.8	58.3	98.3

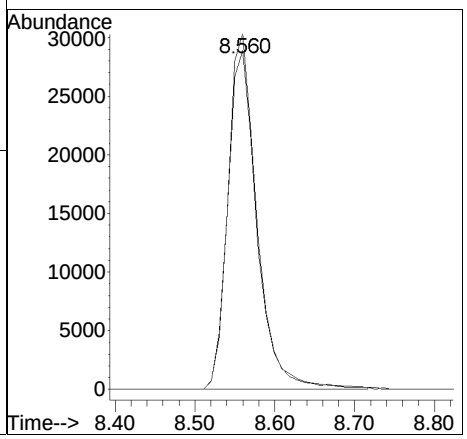


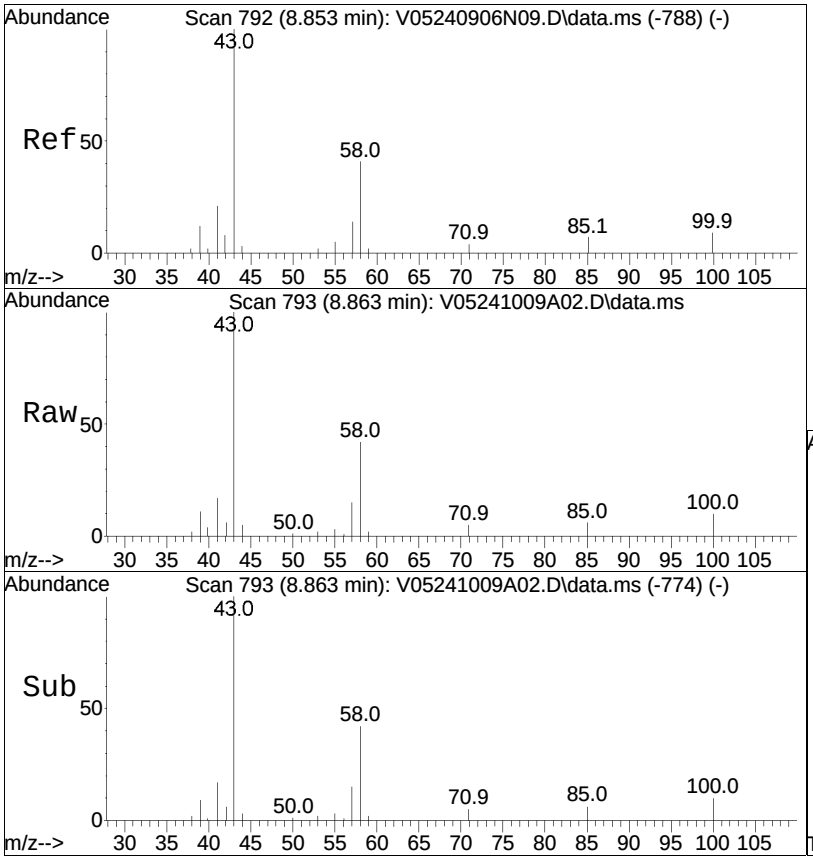


#71
1,2-Dibromoethane
Concen: 10.20 ug/L
RT: 8.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:107 Resp: 84223

Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

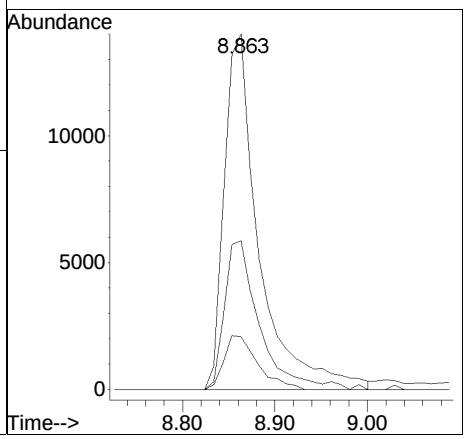


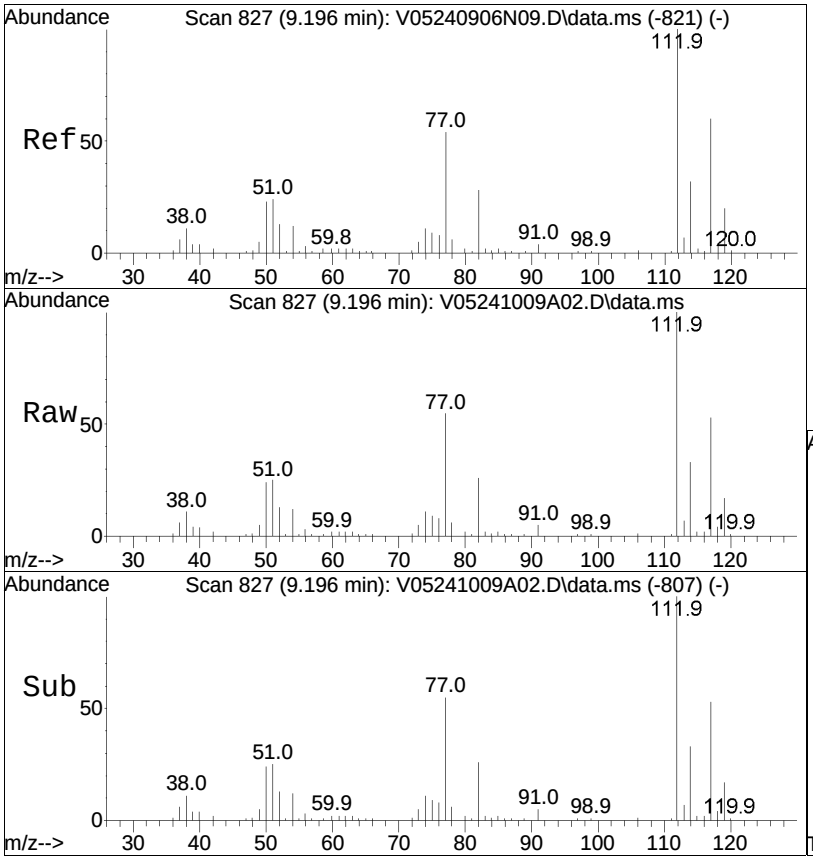


#72
2-Hexanone
Concen: 8.97 ug/L
RT: 8.863 min Scan# 793
Delta R.T. 0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 43 Resp: 36703

Ion	Ratio	Lower	Upper
43	100		
58	42.0	42.3	63.5#
57	14.7	15.6	23.4#

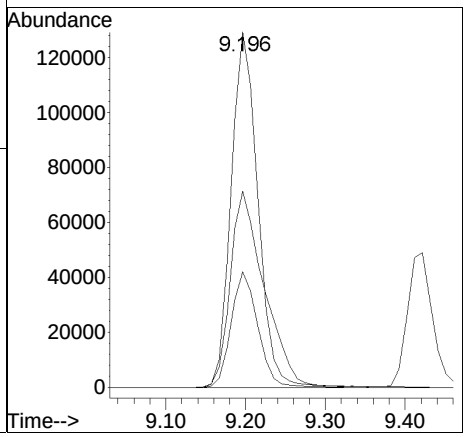


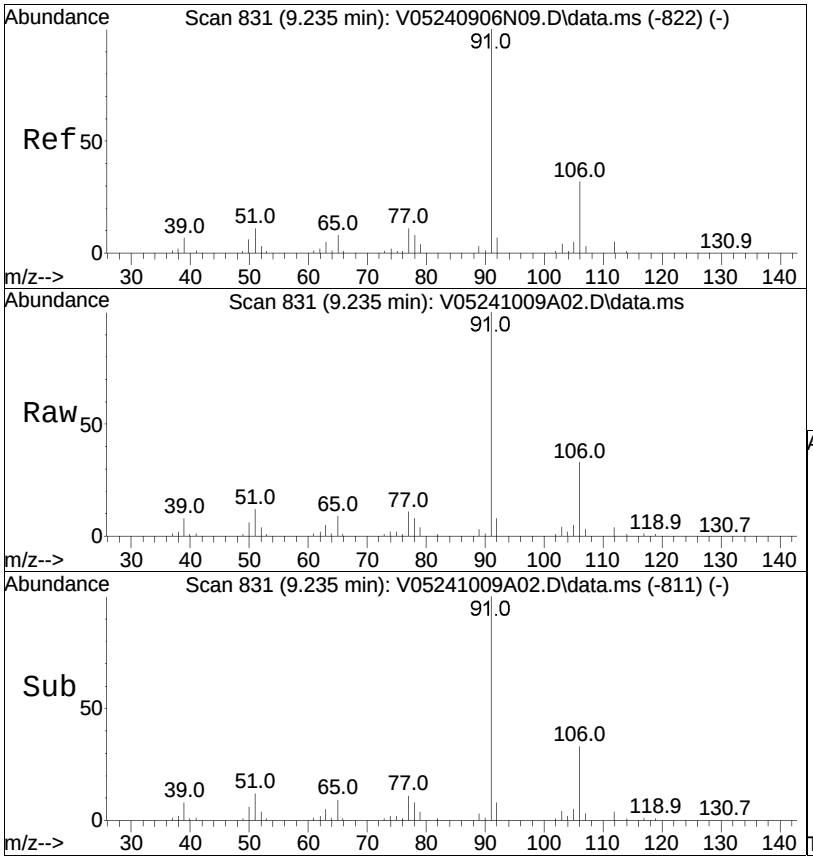


#73
Chlorobenzene
Concen: 10.28 ug/L
RT: 9.196 min Scan# 827
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:112 Resp: 301219

Ion	Ratio	Lower	Upper
112	100		
77	70.3	66.1	99.1
114	32.4	25.4	38.0

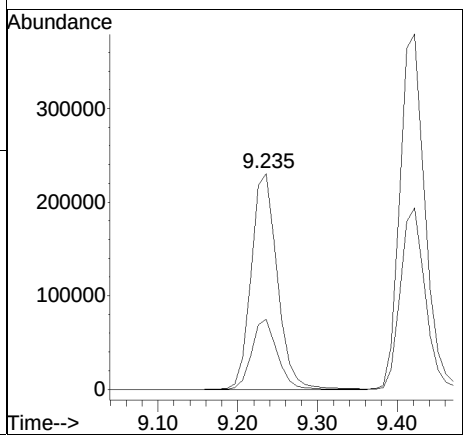


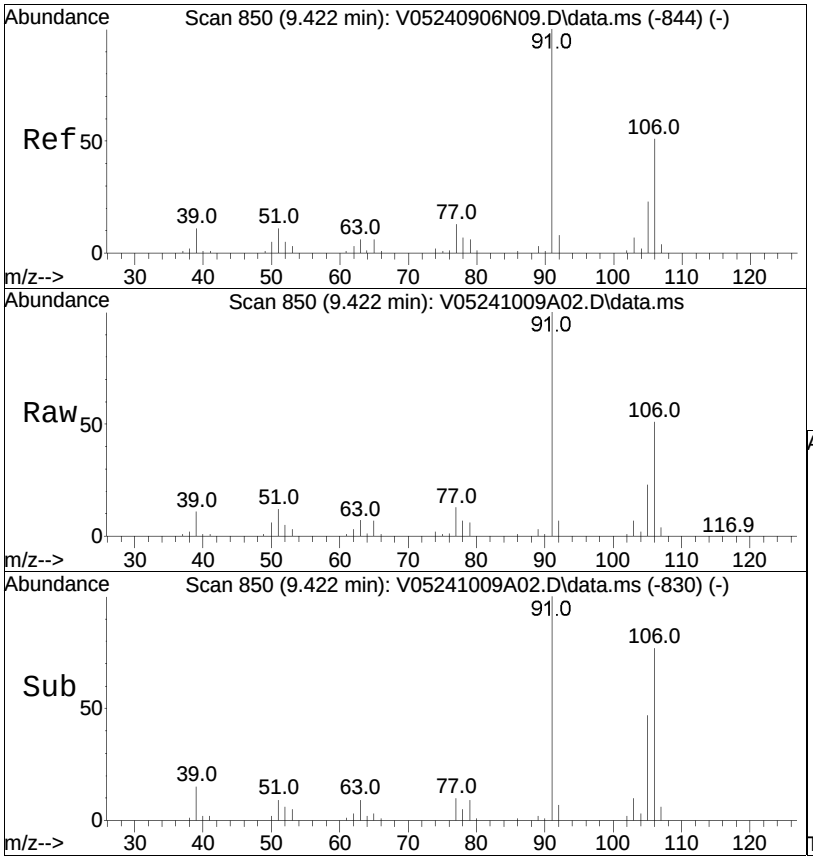


#74
Ethylbenzene
Concen: 10.63 ug/L
RT: 9.235 min Scan# 831
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 91 Resp: 526456

Ion	Ratio	Lower	Upper
91	100		
106	31.7	22.9	34.3

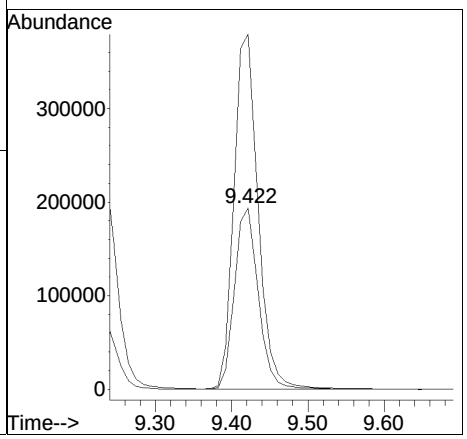


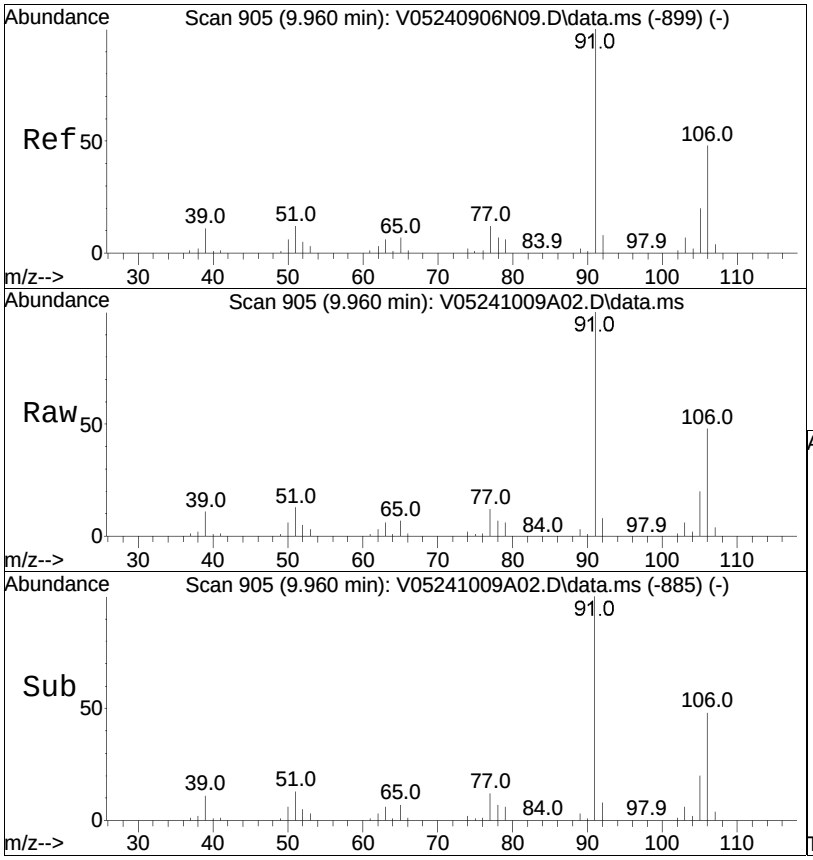


#76
p/m Xylene
Concen: 22.00 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:106 Resp: 420690

Ion	Ratio	Lower	Upper
106	100		
91	197.0	177.2	265.8

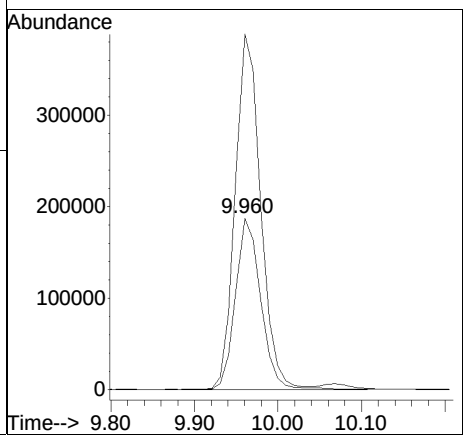


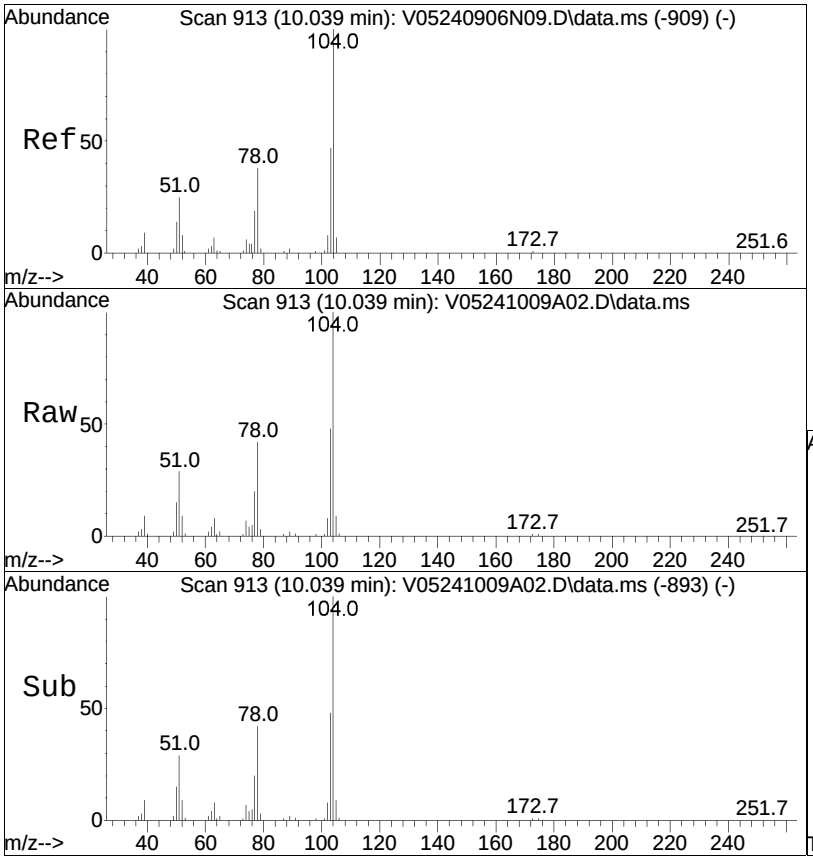


#77
o Xylene
Concen: 21.74 ug/L
RT: 9.960 min Scan# 905
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:106 Resp: 393856

Ion	Ratio	Lower	Upper
106	100		
91	208.7	187.0	280.6

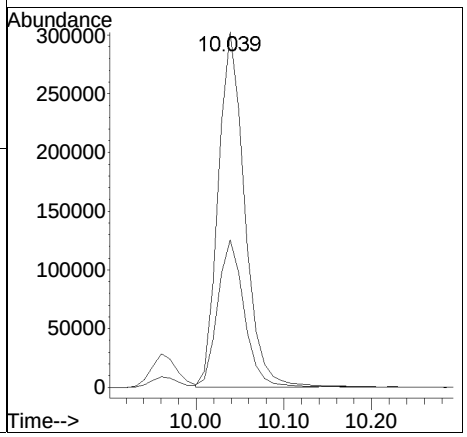


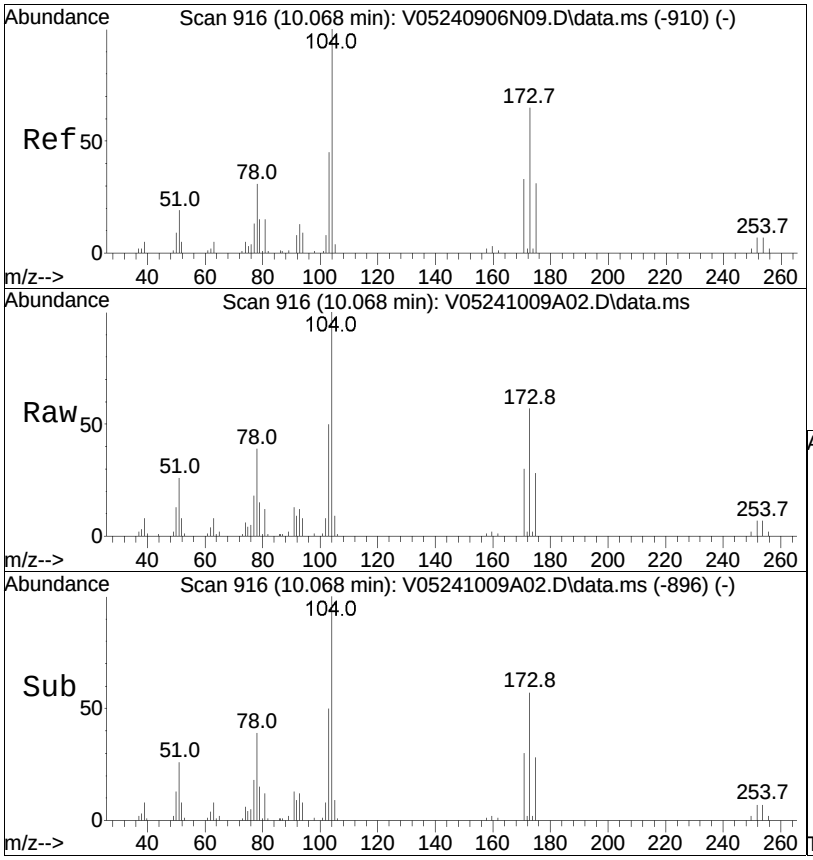


#78
Styrene
Concen: 21.10 ug/L
RT: 10.039 min Scan# 913
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:104 Resp: 632304

Ion	Ratio	Lower	Upper
104	100		
78	41.9	39.6	59.4

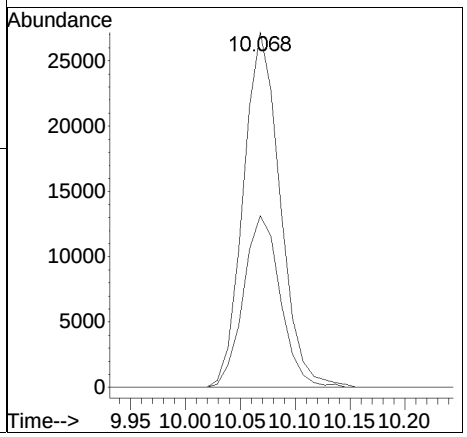


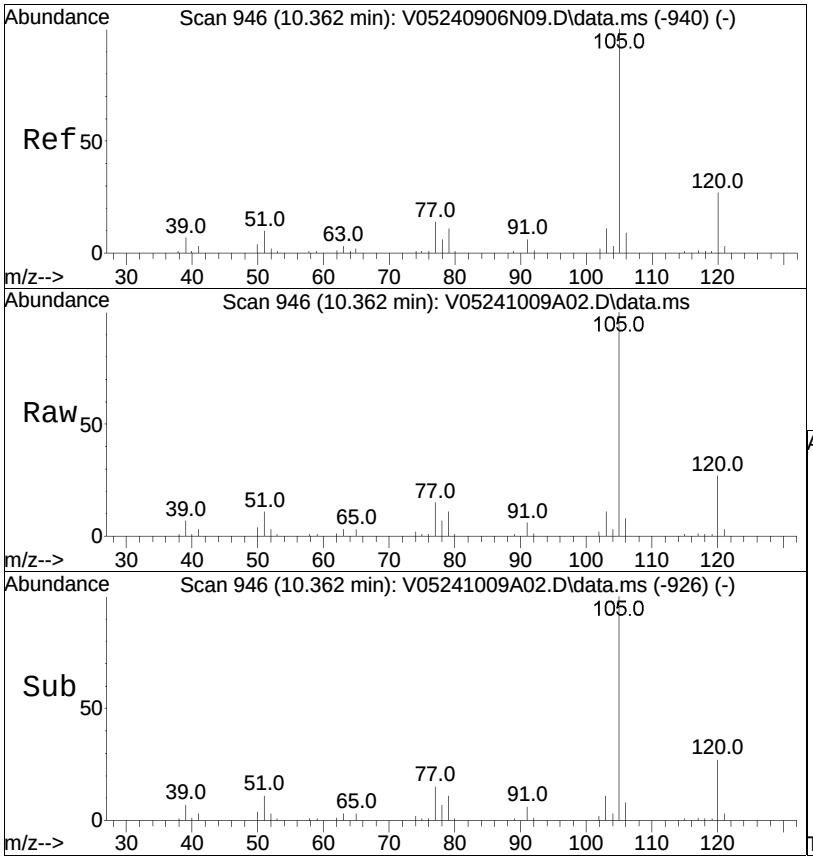


#80
Bromoform
Concen: 9.47 ug/L
RT: 10.068 min Scan# 916
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:173 Resp: 63463

Ion	Ratio	Lower	Upper
173	100		
175	48.7	26.6	66.6

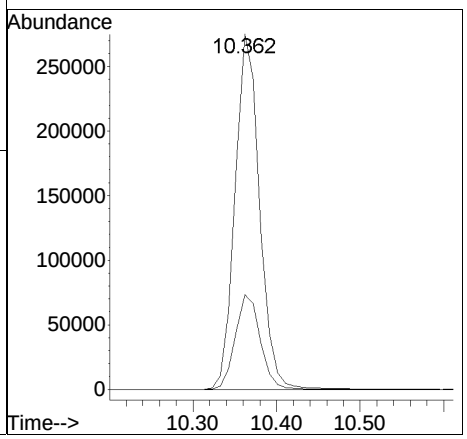


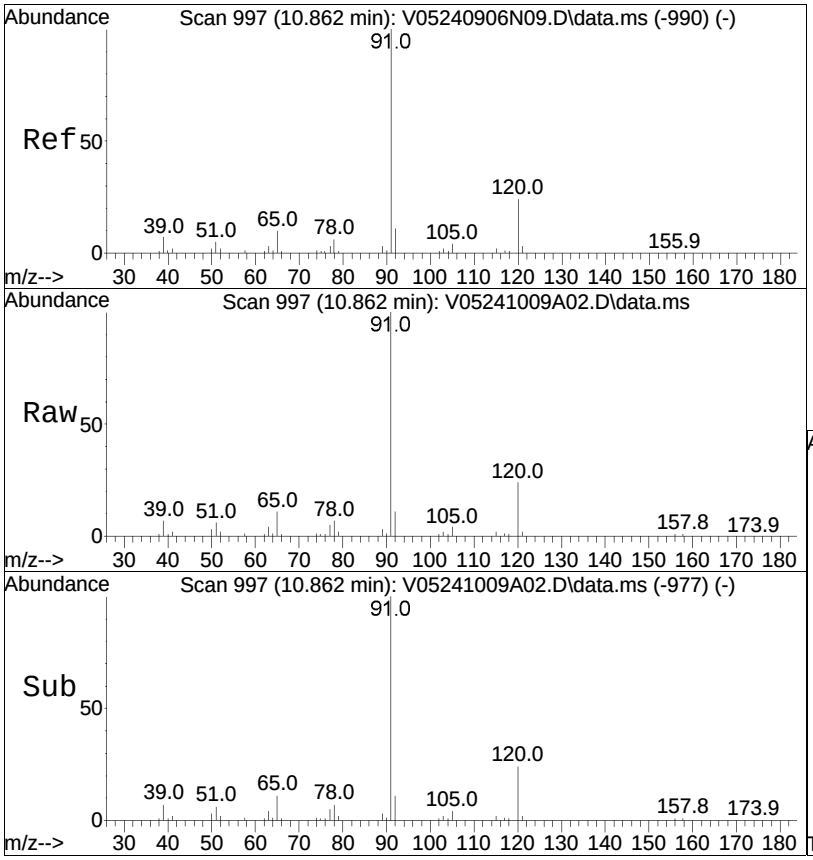


#82
Isopropylbenzene
Concen: 10.71 ug/L
RT: 10.362 min Scan# 946
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:105 Resp: 560278

Ion	Ratio	Lower	Upper
105	100		
120	27.3	4.8	44.8

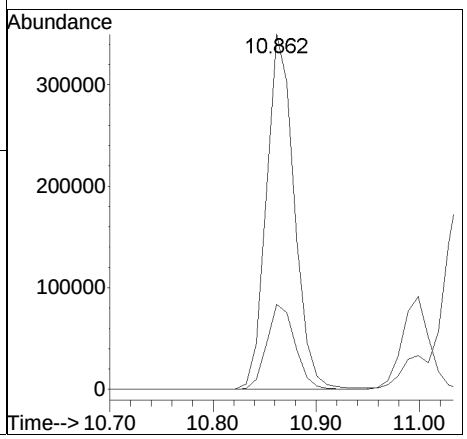


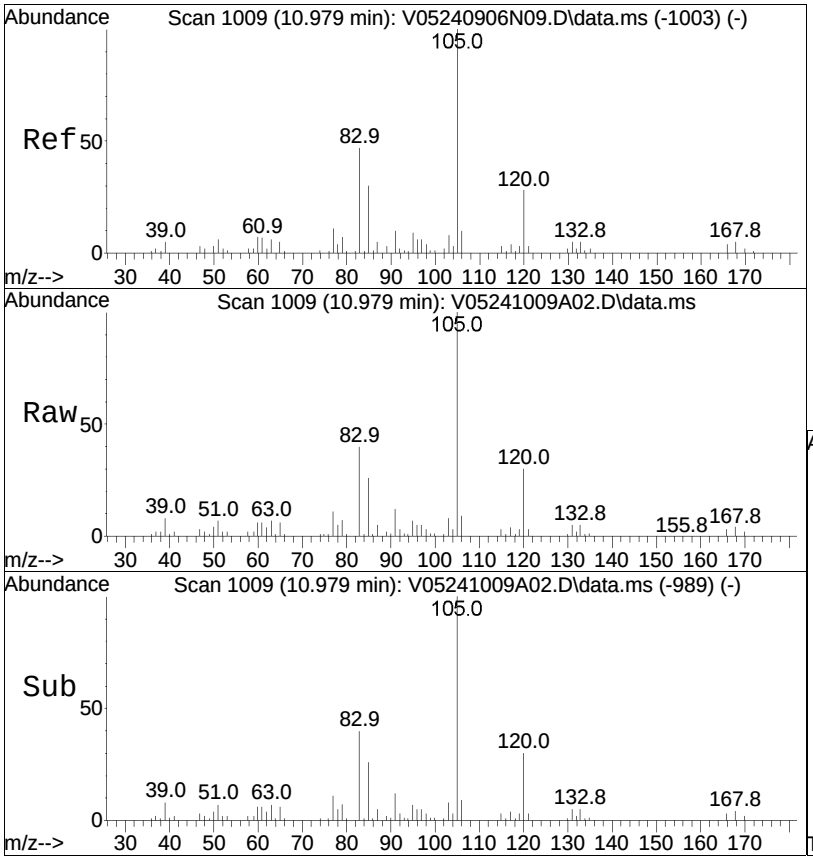


#85
n-Propylbenzene
Concen: 10.74 ug/L
RT: 10.862 min Scan# 997
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 91 Resp: 656085

Ion	Ratio	Lower	Upper
91	100		
120	24.3	17.3	25.9

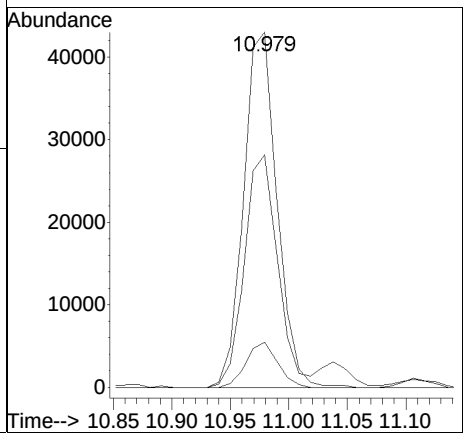


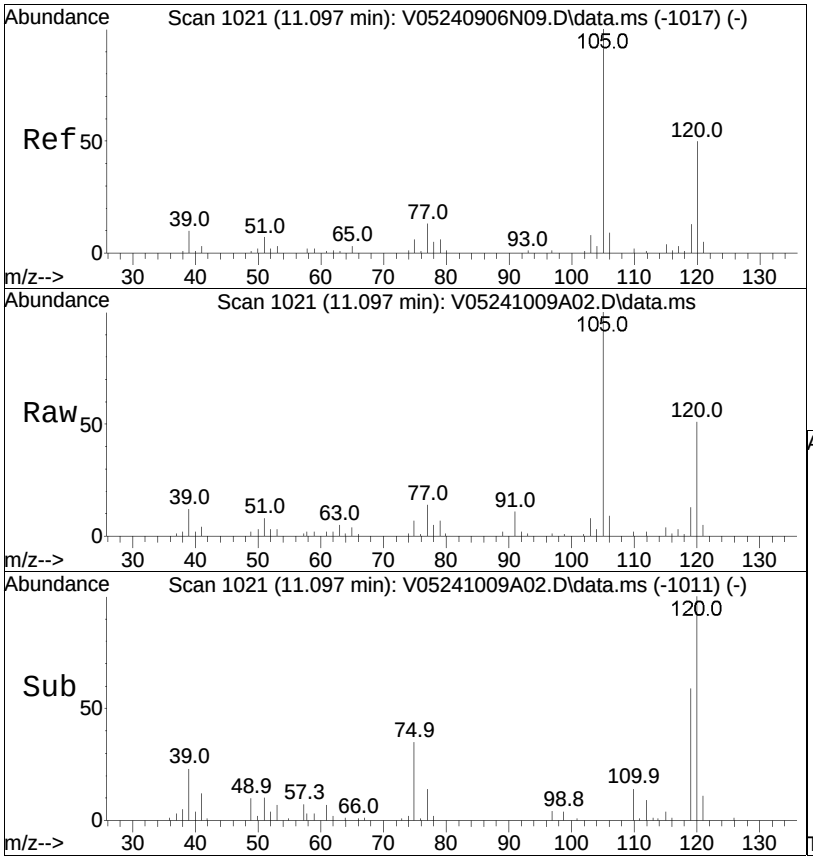


#87
1,1,2,2-Tetrachloroethane
Concen: 9.41 ug/L
RT: 10.979 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 85475

Ion	Ratio	Lower	Upper
83	100		
131	12.1	0.0	30.4
85	65.6	46.4	86.4

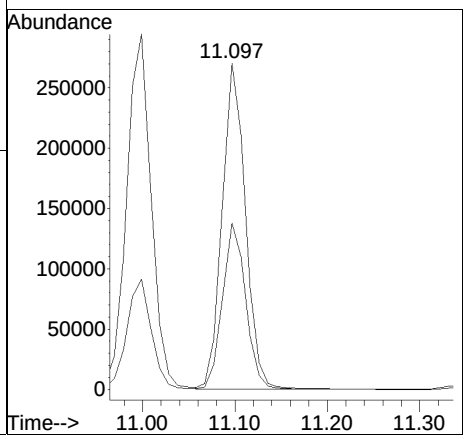


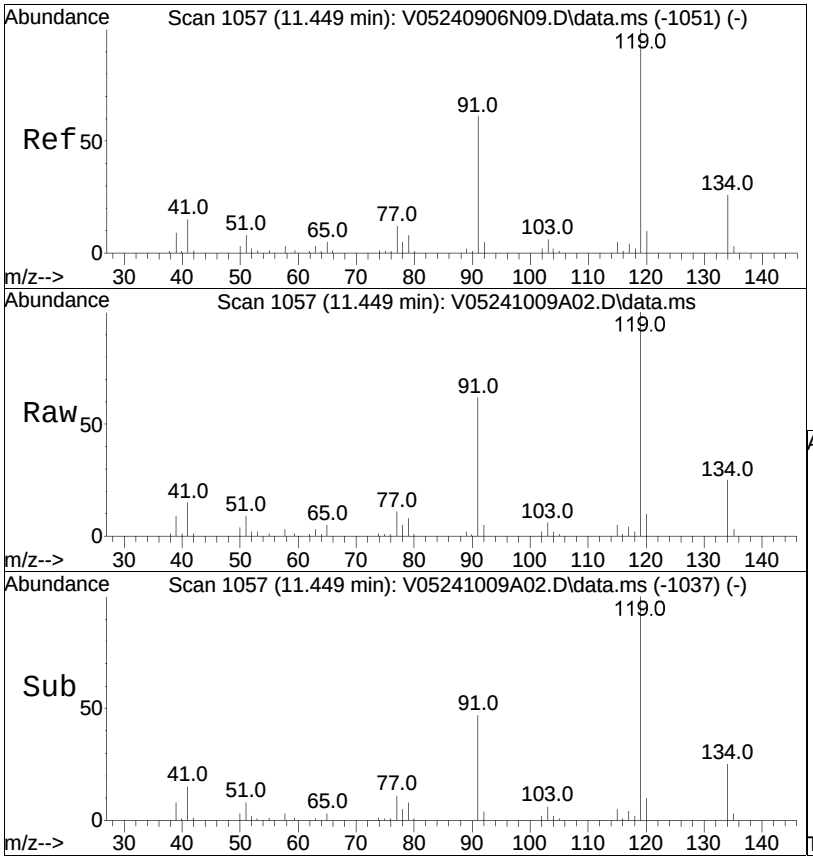


#90
1,3,5-Trimethylbenzene
Concen: 10.50 ug/L
RT: 11.097 min Scan# 1021
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:105 Resp: 471686

Ion	Ratio	Lower	Upper
105	100		
120	50.9	37.0	55.6

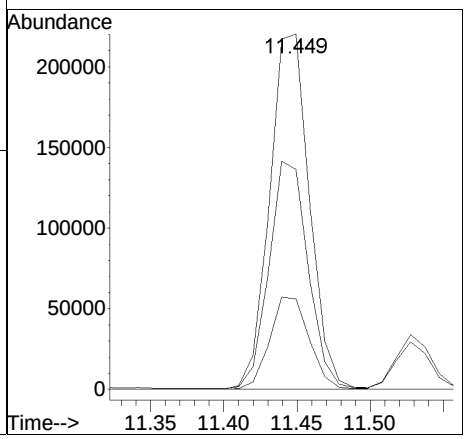


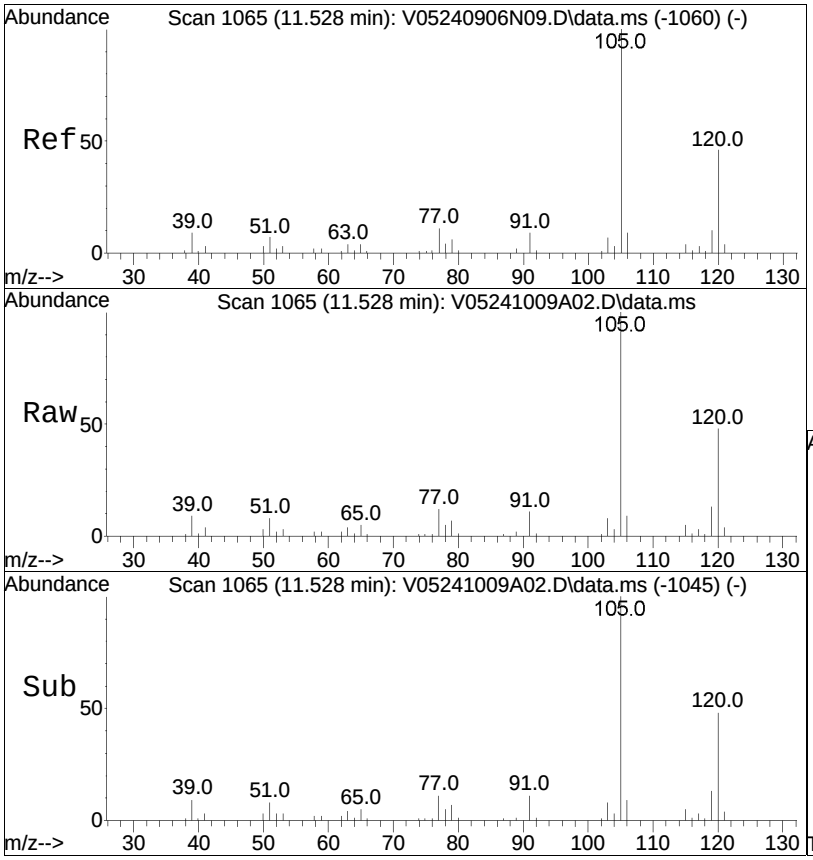


#94
tert-Butylbenzene
Concen: 10.64 ug/L
RT: 11.449 min Scan# 1057
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:119 Resp: 418482

Ion	Ratio	Lower	Upper
119	100		
91	62.7	49.2	73.8
134	25.8	18.3	27.5

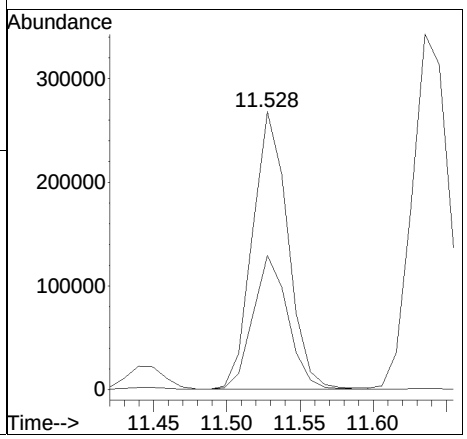


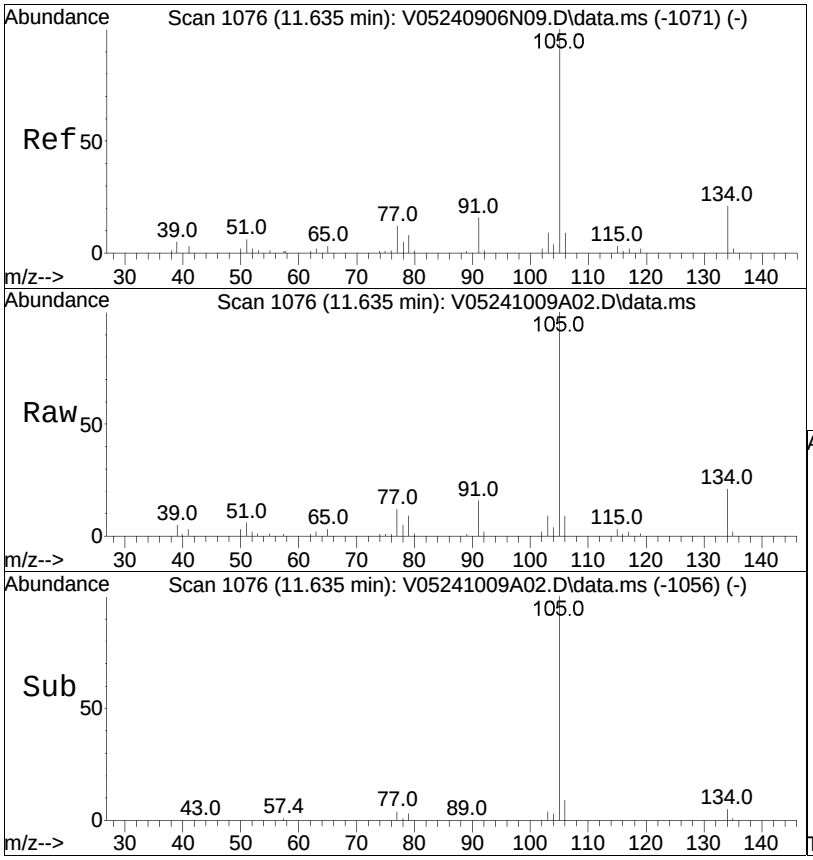


#97
1,2,4-Trimethylbenzene
Concen: 10.49 ug/L
RT: 11.528 min Scan# 1065
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:105 Resp: 451421

Ion	Ratio	Lower	Upper
105	100		
120	47.4	34.4	51.6

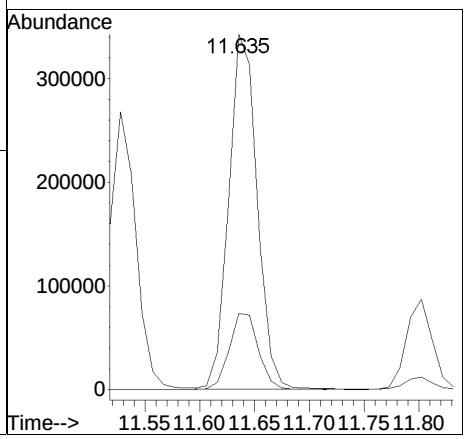


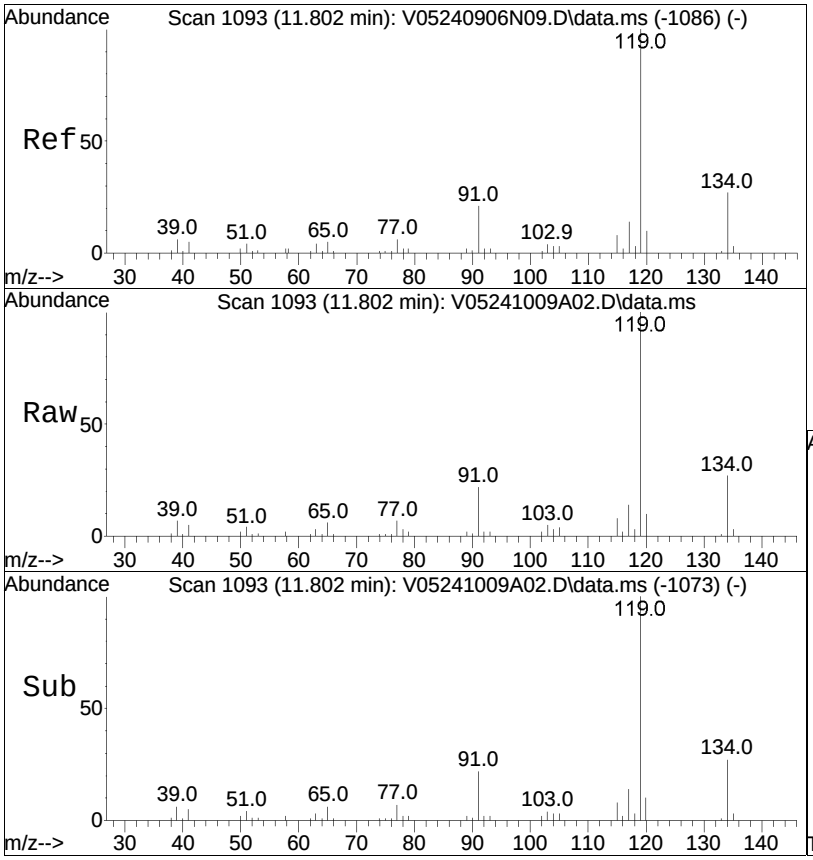


#98
sec-Butylbenzene
Concen: 10.67 ug/L
RT: 11.635 min Scan# 1076
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:105 Resp: 614322

Ion	Ratio	Lower	Upper
105	100		
134	22.0	12.9	26.9

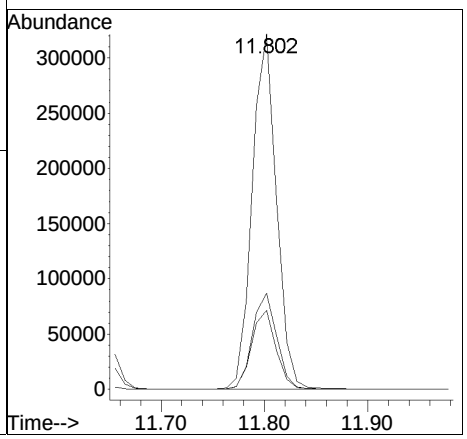


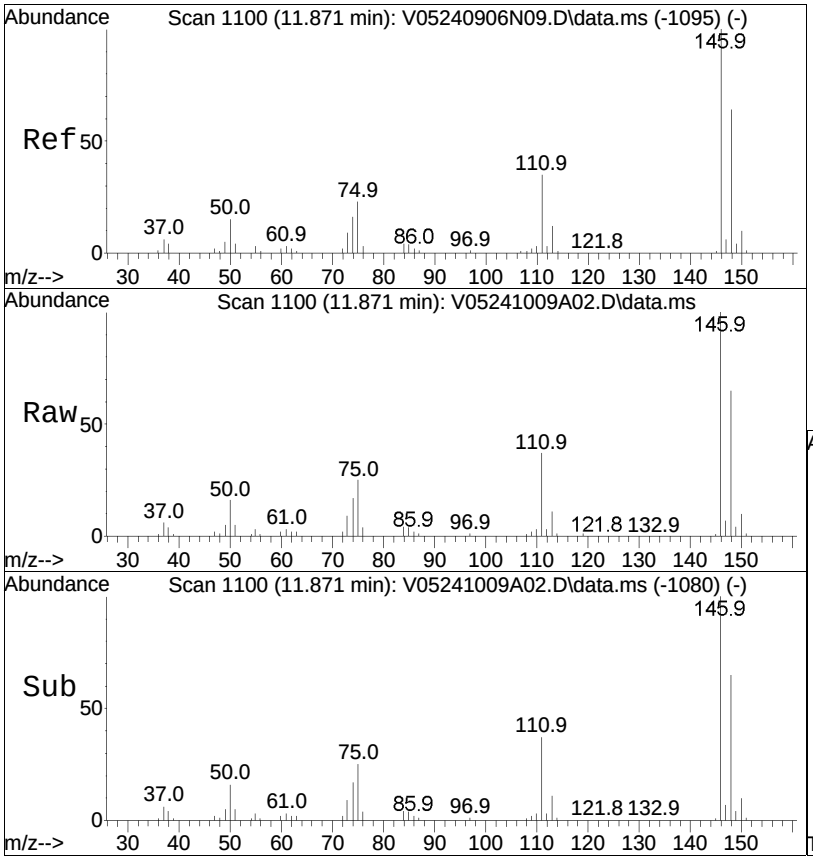


#99
p-Isopropyltoluene
Concen: 10.61 ug/L
RT: 11.802 min Scan# 1093
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:119 Resp: 526809

Ion	Ratio	Lower	Upper
119	100		
134	27.3	16.0	33.2
91	22.4	16.8	35.0

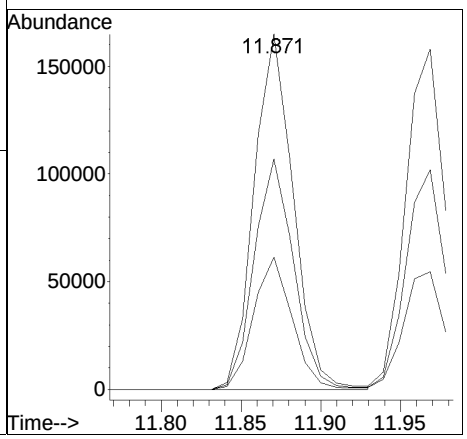


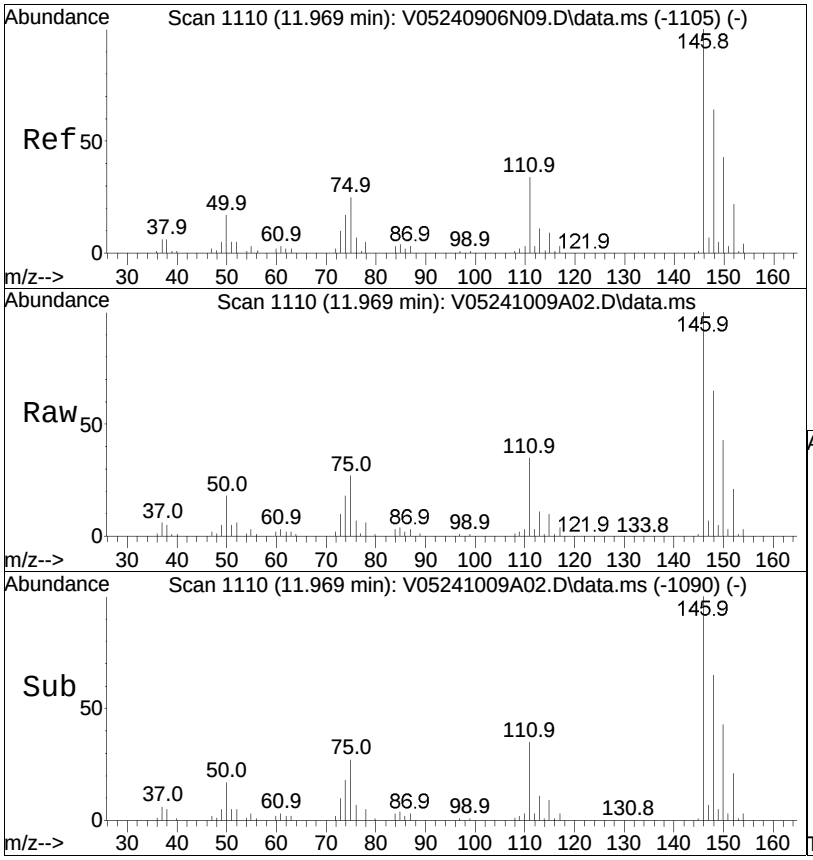


#100
1,3-Dichlorobenzene
Concen: 10.39 ug/L
RT: 11.871 min Scan# 1100
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:146 Resp: 282259

Ion	Ratio	Lower	Upper
146	100		
111	36.6	28.0	58.1
148	64.8	41.6	86.4

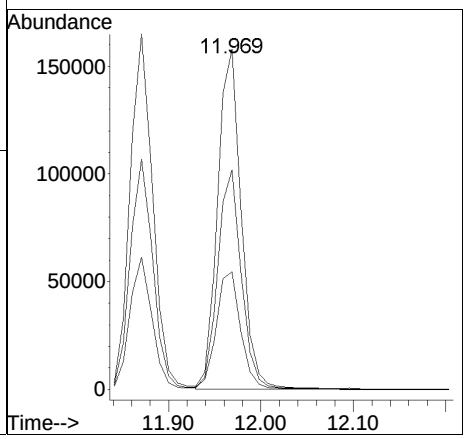


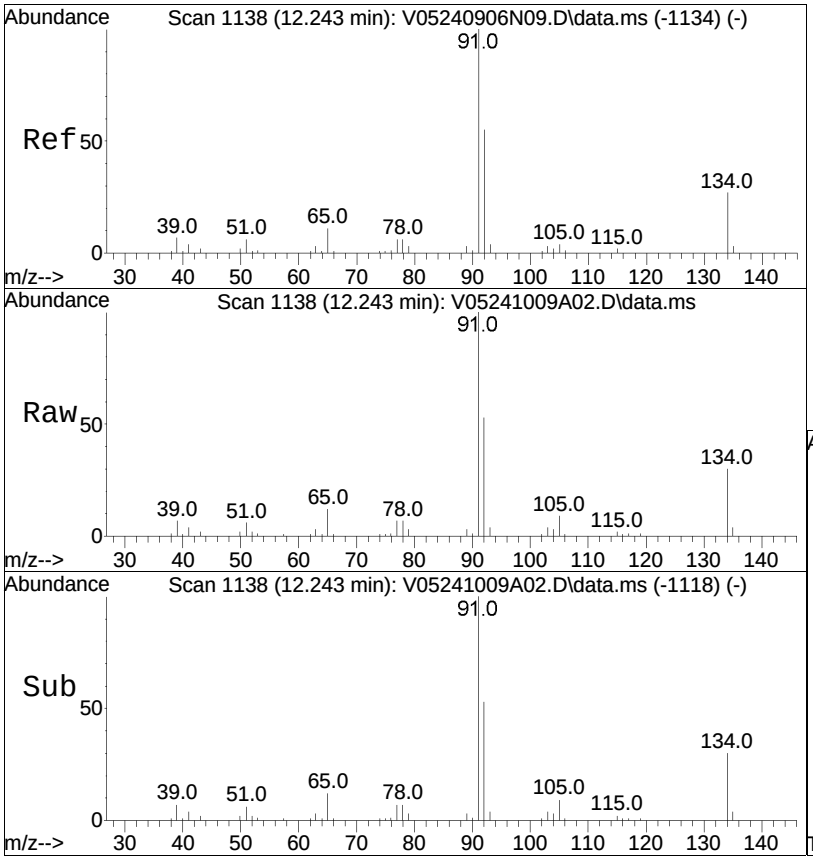


#101
1,4-Dichlorobenzene
Concen: 10.09 ug/L
RT: 11.969 min Scan# 1110
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:146 Resp: 281699

Ion	Ratio	Lower	Upper
146	100		
111	36.2	33.8	50.6
148	64.7	51.0	76.6

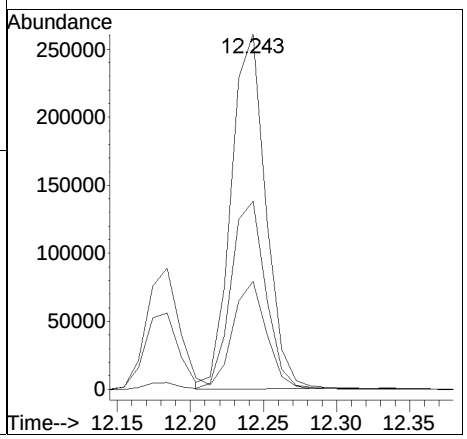


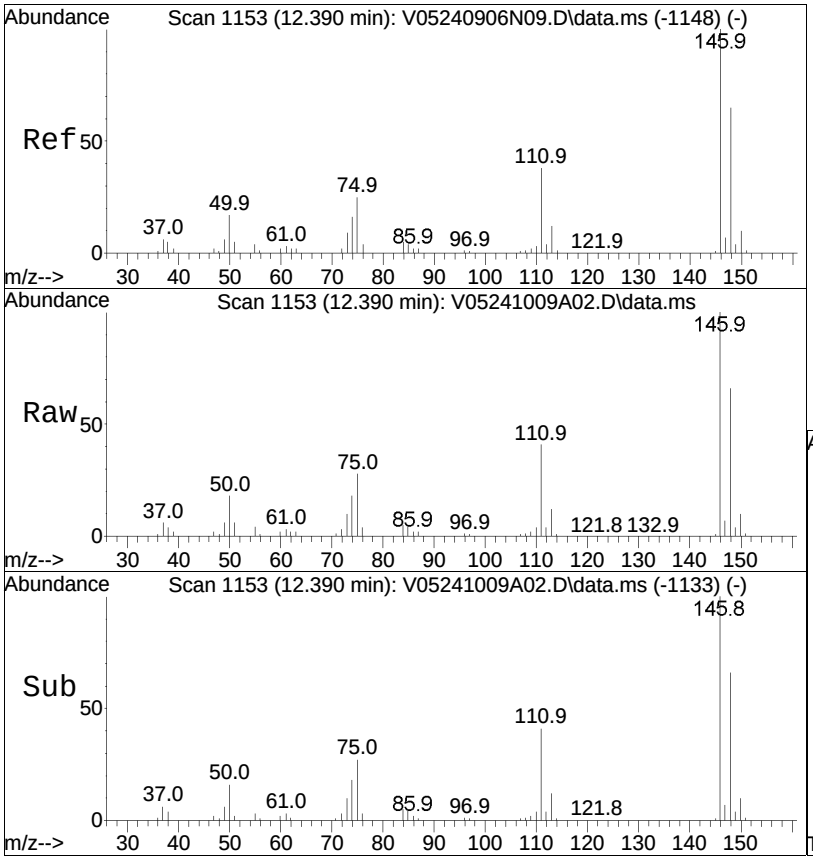


#103
n-Butylbenzene
Concen: 10.55 ug/L
RT: 12.243 min Scan# 1138
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 91 Resp: 430587

Ion	Ratio	Lower	Upper
91	100		
92	53.9	44.2	66.2
134	29.3	20.2	30.2

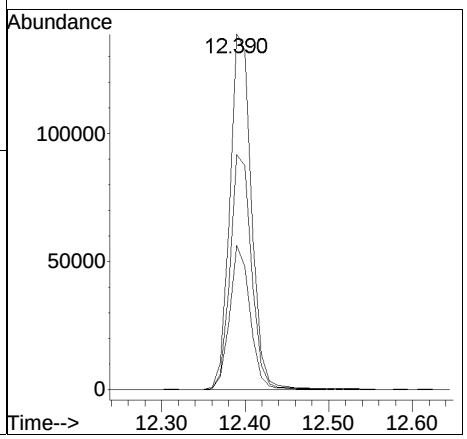


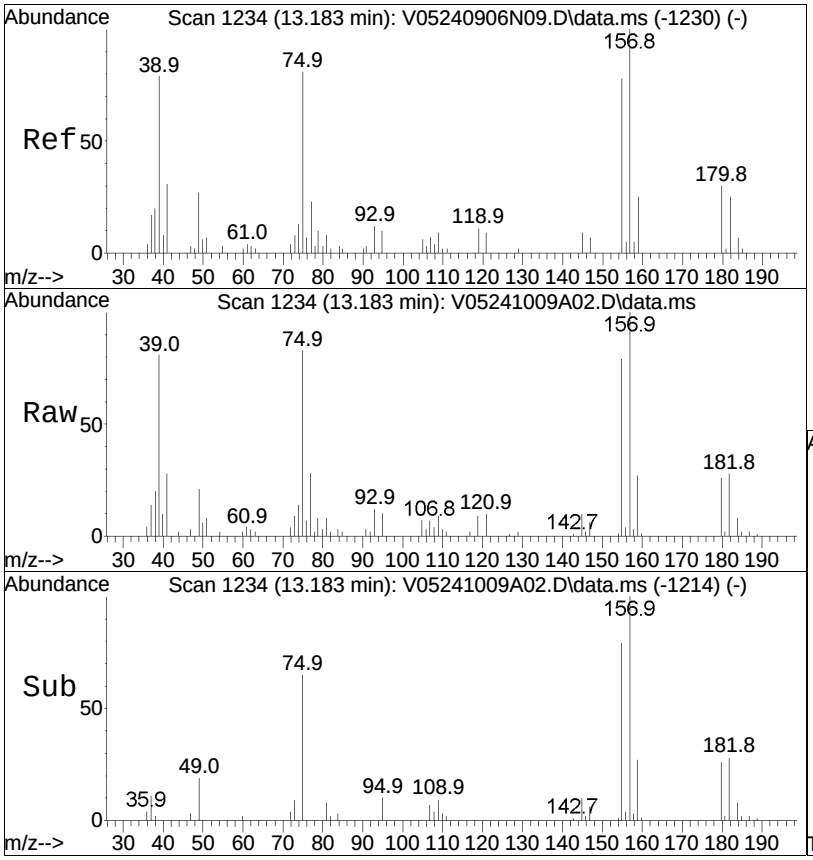


#104
1,2-Dichlorobenzene
Concen: 10.19 ug/L
RT: 12.390 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:146 Resp: 249965

Ion	Ratio	Lower	Upper
146	100		
111	38.3	29.1	60.5
148	65.2	41.7	86.7

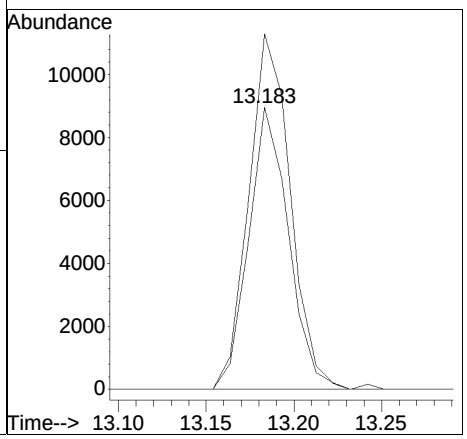


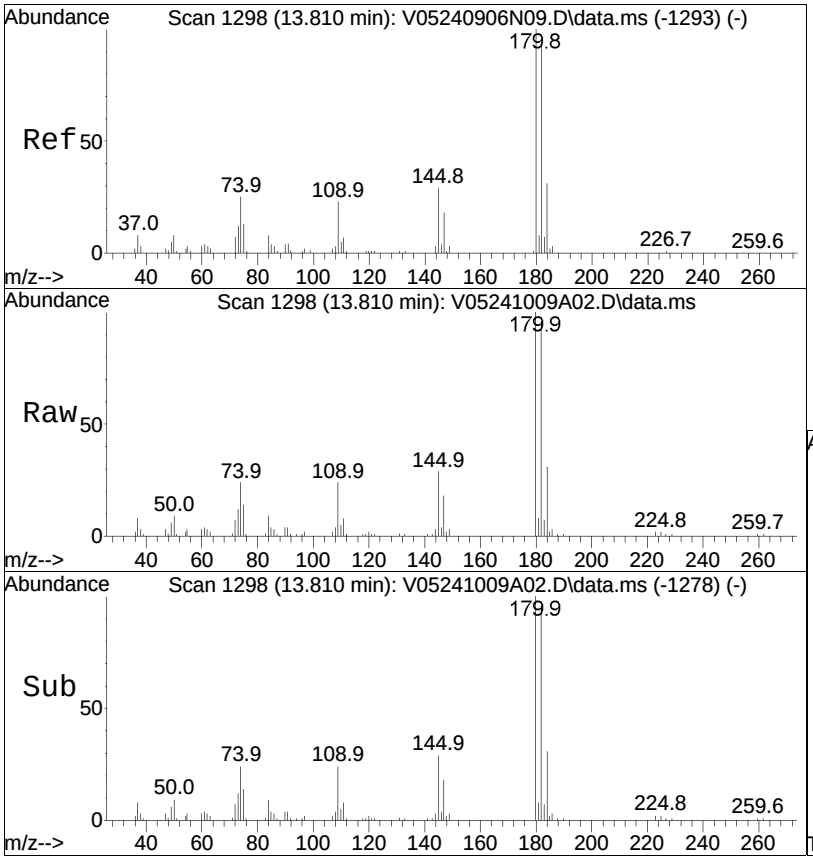


#106
1,2-Dibromo-3-chloropropane
Concen: 8.98 ug/L
RT: 13.183 min Scan# 1234
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:155 Resp: 14154

Ion	Ratio	Lower	Upper
155	100		
157	131.9	105.0	157.6

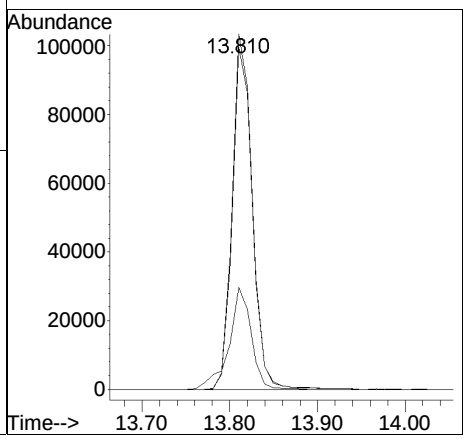


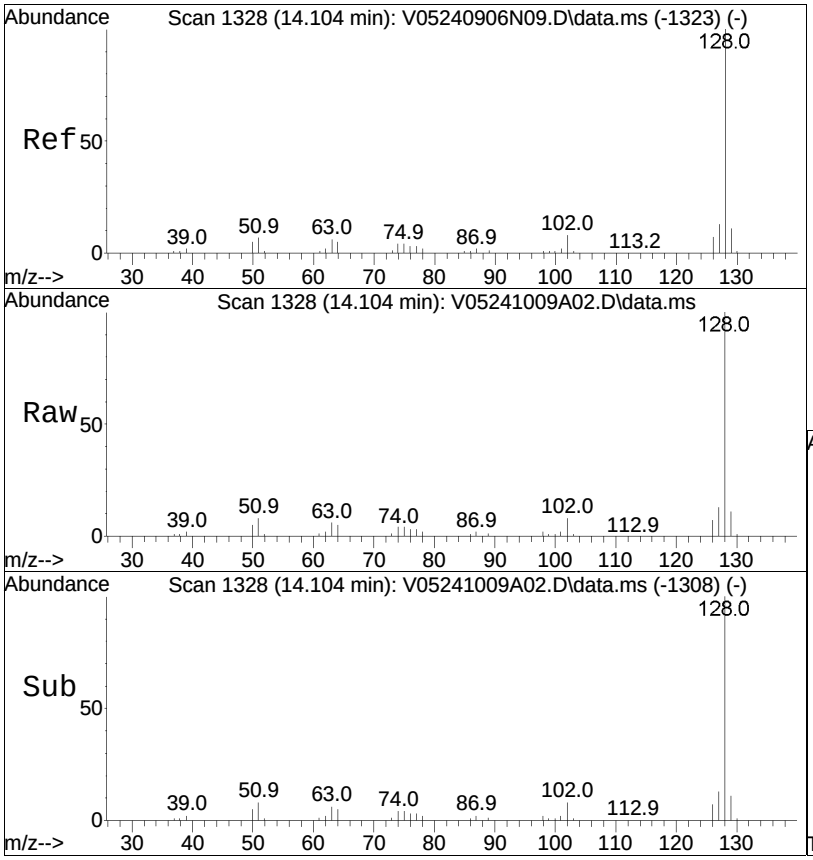


#109
1,2,4-Trichlorobenzene
Concen: 10.09 ug/L
RT: 13.810 min Scan# 1298
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:180 Resp: 165258

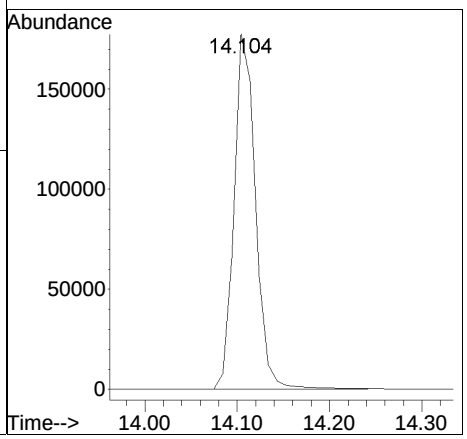
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.2	112.8
145	31.6	27.4	41.2





#110
Naphthalene
Concen: 8.77 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:128 Resp: 287450



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 09 2024, 04:43 pm

Work Group: WG1981780 for Department: 31 GC/MS - Volatiles

Created: 08-OCT-24 Due: Operator: MAG

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2457094-01	TB-43	C	NYTCL-8260	WATER	DONE	U	1016	1009	S0	Vial-B
L2457094-02	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	1016	1009	S0	Vial-B
L2457097-01	MW-1	S	NYTCL-8260-R2	WATER	DONE	U	1016	1009	S0	Vial-B
L2457097-02	MW-7	S	NYTCL-8260-R2	WATER	DONE	U	1016	1009	S0	Vial-B
L2457097-03	MW-4	S	NYTCL-8260-R2	WATER	DONE	U	1016	1009	S0	Vial-B
L2457097-04	MW-3	S	NYTCL-8260-R2	WATER	DONE	U	1016	1009	S0	Vial-B
L2457097-05	MW-6	S	NYTCL-8260-R2	WATER	DONE	U	1016	1009	S0	Vial-B
L2457097-06	MW-5	S	NYTCL-8260-R2	WATER	DONE	U	1016	1009	S0	Vial-B
L2457097-07	TRIP BLANK	S	NYTCL-8260-R2	WATER	DONE	U	1016	1009	S0	Vial-B
WG1981780-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1981780-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1981780-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1981780-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1981780-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1981780-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1981780-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1981780-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1981780-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1981780-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1981780-4 WG1981780-3

Method

Inst: VOA105 BFB: V10618 GC: 8260

Initials: TMS IS/SS: V10637 Autosampler: 8260wate

Date: **09/06/24** ICAL: V10649B,V10651 Concentrator: 8260

Run: **N** ICV: V10652,V10620,V10621,V10638,V10653,V10654 QC:_____ Seq:_____

Vial	Data File	Sample	
1	V05240906NBF1	BFB TUNE	
1	V05240906N01	BLK	
2	V05240906N02	BLK	
3	V05240906N03	I8260STD0.19PPB	
4	V05240906N04	I8260STD0.19PPB	
5	V05240906N05	I8260STD0.5PPB	
6	V05240906N06	I8260STD0.5PPB	
7	V05240906N07	I8260STD2PPB	
8	V05240906N08	I8260STD2PPB	
9	V05240906N09	I8260STD10PPB	
10	V05240906N10	I8260STD30PPB	
11	V05240906N11	I8260STD80PPB	
12	V05240906N12	I8260STD120PPB	
13	V05240906N13	I8260STD200PPB	
14	V05240906N14	BLK	
15	V05240906N15	BLK	
16	V05240906N16	BLK	
17	V05240906N17	BLK	
18	V05240906N18	C8260STD10PPB	
19	V05240906N19	C8260STD10PPB	
20	V05240906N20	BLK	
21	V05240906N21	BLK	
22	V05240906N22	MDL 0.5PPB	
23	V05240906N23	MDL 0.5PPB	
24	V05240906N24	MDL 2PPB	
25	V05240906N25	MDL 2PPB	
26	V05240906N26	BLK	

Method

Inst: VOA105 BFB: V10678 GC: 8260

Initials: PID IS/SS: V10711 Autosampler: 8260wate

Date: **10/08/24** ICAL: V10708A,V10716 Concentrator: 8260

Run: **A** QC:_____ Seq:_____

Vial	Data File	Sample			
1	V05241008ABF1	BFB TUNE 06:28			
1	V05241008A01	8260 CCAL LCS			
2	V05241008A02	8260 CCAL LCSD			
3	V05241008A03	8260 CCAL			
4	V05241008A04	BLK			
5	V05241008A05	METHOD BLK			
6	V05241008A06	I2456748-07d,31,5.0,10,,c1	NJ/15		pH<2
7	V05241008A07	I2456748-14d,31,2.0,10,,c	NJ/15		pH<2
8	V05241008A08	I2456865-01,31,10,10,,c	NJ+TBA+NAPH/NOTICs		pH<2
9	V05241008A09	I2456766-07,31,10,10,,a	NJ/TCE/PCE		pH<2
10	V05241008A10	I2456748-07MS,31,5.0,10,,c2	NJ/15		pH<2
11	V05241008A11	I2456748-07MSD,31,5.0,10,,c2	NJ/15		pH<2
12	V05241008A12	I2457819-10d,31,0.5,10,,c	8260/11DCE		pH<2
13	V05241008A13	I2457097-07,31,10,10,,a	NY/R2	TB	pH<2
14	V05241008A14	I2457097-01,31,10,10,,a	NY/R2		pH<2
15	V05241008A15	I2457097-02,31,10,10,,a	NY/R2		pH<2
16	V05241008A16	I2457097-03d,31,2.5,10,,a	NY/R2		pH<2
17	V05241008A17	I2457097-04d,31,2.5,10,,a	NY/R2		pH<2
18	V05241008A18	I2457097-06d,31,0.5,10,,a	NY/R2		pH<2
19	V05241008A19	I2457097-05,31,10,10,,a	NY/R2		pH<2
20	V05241008A20	I2457094-01,31,10,10,,a	NYCURVE/IM		pH<2
21	V05241008A21	I2457094-02,31,10,10,,a	NYCURVE/IM	TB	pH<2
22	V05241008A22	I2457050-01,31,10,10,,a	NJ/BENZ,MTBE,TBA,NAPH		pH<2
23	V05241008A23	I2457014-01d,31,1.0,10,,a	NJ+3/15		pH<2
24	V05241008A24	I2457014-02,31,10,10,,a	NJ+3/15		pH<2
25	V05241008A25	I2457014-03,31,10,10,,a	NJ+3/15	TB	pH<2
26	V05241008A26	I2457104-01,31,10,10,,a	NJ/15		pH<2
27	V05241008A27	I2457104-02,31,10,10,,a	NJ/15		pH<2
28	V05241008A28	HSTD			
29	V05241008A29	BLK			
30	V05241008A30	BLK			

Inst: VOA105 BFB: V10678 Method GC: 8260
Initials: MJV IS/SS: V10711 Autosampler: 8260wate
Date: **10/09/24** ICAL: V10708A,V10716 Concentrator: 8260
Run: **A** QC:_____ Seq:_____

Vial	Data File	Sample			
1	V05241009ABF1	BFB TUNE 06:24			
1	V05241009A01	8260 CCAL LCS			
2	V05241009A02	8260 CCAL LCSD			
3	V05241009A03	8260 CCAL			
4	V05241009A04	BLK			
5	V05241009A05	METHOD BLK			
6	V05241009A06	I2457110-01,31,10,10,,a	NYTCL		pH<2
7	V05241009A07	I2456931-05d,31,2.0,10,,b	8260 NH	COMP VIAL	pH<2
8	V05241009A08	I2457227-06d,31,2.0,10,,c	NYTCL	FOAM	pH<2
9	V05241009A09	I2457115-06d,31,2.0,10,,c	8260		pH<2
10	V05241009A10	I2457097-06d,31,4.0,10,,c	NY/R2		pH<2
11	V05241009A11	I2457219-01d2,31,1.0,10,,c	8260NH/124TMB		pH<2
12	V05241009A12	I2457219-05d,31,2.5,10,,c	8260NH/124TMB		pH<2
13	V05241009A13	d STD BENZ			
14	V05241009A14	I2457484-01,31,10,10,,a	NY/R2		
15	V05241009A15	I2457484-02,31,10,10,,a	NY/R2		
16	V05241009A16	I2457484-03,31,10,10,,a	NY/R2		
17	V05241009A17	I2457484-04,31,10,10,,a	NY/R2		
18	V05241009A18	I2457484-05,31,10,10,,a	NY/R2	TB	
19	V05241009A19	I2457400-01d,31,0.2,10,,a	NYTCL	FOAM	pH<2
20	V05241009A20	I2457156-01,31,10,10,,a	ME/CCL4		
21	V05241009A21	I2457575-01,31,10,10,,a	8260 NH		
22	V05241009A22	I2457575-02,31,10,10,,a	8260 NH		
23	V05241009A23	I2457575-03,31,10,10,,a	8260 NH		
24	V05241009A24	I2457575-04,31,10,10,,a	8260 NH		
25	V05241009A25	I2457575-05,31,10,10,,a	8260 NH		
26	V05241009A26	I2457584-01d,31,2.5,10,,a	NYTCL/10	SHEEN	pH<2
27	V05241009A27	HSTD			
28	V05241009A28	BLK			
29	V05241009A29	BLK			



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2525831

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Project Name: CONVENTUS PRR
Project Number: U86

Lab Number: L2525831
Report Date: 05/12/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2525831-01	BCP MW-6	WATER	BUFFALO, NY	04/25/25 09:50	04/25/25
L2525831-02	BCP MW-1	WATER	BUFFALO, NY	04/25/25 11:20	04/25/25
L2525831-03	DUP	WATER	BUFFALO, NY	04/25/25 11:20	04/25/25
L2525831-04	BCP MW-7	WATER	BUFFALO, NY	04/25/25 13:00	04/25/25
L2525831-05	BCP MW-5	WATER	BUFFALO, NY	04/25/25 14:05	04/25/25
L2525831-06	BCP MW-3	WATER	BUFFALO, NY	04/25/25 15:10	04/25/25
L2525831-07	BCP MW-4	WATER	BUFFALO, NY	04/25/25 16:00	04/25/25

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Caitlin Wallukeit Report Date: 05/12/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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

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

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

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

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Pace Job Number : L2525831

Account Name : C&S Companies
Project Number : U86
Project Name : CONVENTUS PRR

Received : 25-APR-2025
Reviewer : William McClendon

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.4	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis? Following containers were received with headspace: -05B, -05C	**NO**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

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

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
May 12 2025, 03:17 pm

Login Number: L2525831
Account: C&SCOMP C&S CompaniesProject: U86
Received: 25APR25 Due Date: 06MAY25

Sample #	Client ID	Mat	PR	Collected
L2525831-01	BCP MW-6	1 S0	25APR25	09:50
8260: Report List Built ASP-B Package Due Date: 05/06/25				
ASP-B,NYTCL-8260-R2				
L2525831-02	BCP MW-1	1 S0	25APR25	11:20
8260: Report List Built Package Due Date: 05/06/25				
NYTCL-8260-R2				
L2525831-03	DUP	1 S0	25APR25	11:20
8260: Report List Built Package Due Date: 05/06/25				
NYTCL-8260-R2				
L2525831-04	BCP MW-7	1 S0	25APR25	13:00
8260: Report List Built Package Due Date: 05/06/25				
NYTCL-8260-R2				
L2525831-05	BCP MW-5	1 S0	25APR25	14:05
8260: USE B&C VIALS FOR SCREENING ONLY. 8260: Report List Built Package Due Date: 05/06/25				
NYTCL-8260-R2				
L2525831-06	BCP MW-3	1 S0	25APR25	15:10
8260: Report List Built Package Due Date: 05/06/25				
NYTCL-8260-R2				
L2525831-07	BCP MW-4	1 S0	25APR25	16:00
8260: Report List Built Package Due Date: 05/06/25				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
May 12 2025, 03:17 pm

Login Number: L2525831
Account: C&SCOMP C&S CompaniesProject: U86
Received: 25APR25 Due Date: 06MAY25

Sample #	Client ID	Mat	PR	Collected

NYTCL-8260-R2

Logged By: Candace Fox

NEW YORK CHAIN OF CUSTODY

L2525831
C&SCOMP

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

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

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

Page 1 of 1

Date Rec'd in Lab: 4/26

Client Information

Client: CTS Engineers
Address: 141 Elm St.
Buffalo NY 14203
Phone:
Fax:
Email: Cmartin@ctscos.com

Project Information

Project Name: Conventus PRR
Project Location: Buffalo, NY
Project #: U86
(Use Project name as Project #) ☐
Project Manager: Rich Backert
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOCs 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	Sample Specific Comments	Total Bottle
25831-01	BCP#MW-6	4/25/25	9:50	GW	NFO	X		3
02	BCP MW-1		11:20			X		3
03	DUP		11:20			X		3
04	BCP MW-7		1:00			X		3
05	BCP MW-5		2:05			X		3
06	BCPMW-3		3:10			X		3
07	BCPMW-4		4:00			X		3

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
(CS)	4/25/25 1640		
	4-25-25 16:41		4-25-25 16:41
	4-25-25 16:45		
	2130		04/26/25 01:30

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

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

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: C&S Companies
Project Name: CONVENTUS PRR

Lab Number: L2525831
Project Number: U86
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
BCP MW-6 (L2525831-01)	104	100	95	105	0
BCP MW-1 (L2525831-02)	97	93	82	121	0
DUP (L2525831-03)	99	93	84	125	0
BCP MW-7 (L2525831-04)	101	93	83	124	0
BCP MW-5 (L2525831-05D)	98	93	82	120	0
BCP MW-3 (L2525831-06D)	95	92	85	114	0
BCP MW-4 (L2525831-07D)	92	94	87	114	0
WG2064186-3LCS	100	98	97	102	0
WG2064186-4LCSD	101	99	95	104	0
WG2064186-5BLANK	101	100	99	102	0
WG2065078-3LCS	96	92	84	116	0
WG2065078-4LCSD	96	92	85	118	0
WG2065078-5BLANK	100	93	84	120	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2064186-3	**Analysis Date** : 05/08/25 07:46	**File ID** : V01250508A01
LCSD Sample ID	: WG2064186-4	**Analysis Date** : 05/08/25 08:12	**File ID** : V01250508A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.5	95	10	9.4	94	1	70-130	20
1,1-Dichloroethane	10	9.5	95	10	9.0	90	5	70-130	20
Chloroform	10	9.7	97	10	9.6	96	1	70-130	20
Carbon tetrachloride	10	9.2	92	10	8.8	88	4	63-132	20
1,2-Dichloropropane	10	9.4	94	10	9.4	94	0	70-130	20
Dibromochloromethane	10	9.3	93	10	9.2	92	1	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	9.3	93	1	70-130	20
Tetrachloroethene	10	9.6	96	10	9.3	93	3	70-130	20
Chlorobenzene	10	9.4	94	10	9.3	93	1	75-130	20
Trichlorofluoromethane	10	9.5	95	10	9.0	90	5	62-150	20
1,2-Dichloroethane	10	10	100	10	9.8	98	2	70-130	20
1,1,1-Trichloroethane	10	9.7	97	10	9.4	94	3	67-130	20
Bromodichloromethane	10	9.8	98	10	9.7	97	1	67-130	20
trans-1,3-Dichloropropene	10	8.6	86	10	8.3	83	4	70-130	20
cis-1,3-Dichloropropene	10	9.8	98	10	9.7	97	1	70-130	20
Bromoform	10	9.0	90	10	8.9	89	1	54-136	20
1,1,2,2-Tetrachloroethane	10	9.8	98	10	9.3	93	5	67-130	20
Benzene	10	9.6	96	10	9.4	94	2	70-130	20
Toluene	10	9.3	93	10	8.9	89	4	70-130	20
Ethylbenzene	10	9.3	93	10	9.0	90	3	70-130	20
Chloromethane	10	8.9	89	10	8.0	80	11	64-130	20
Bromomethane	10	7.0	70	10	7.4	74	6	39-139	20
Vinyl chloride	10	9.3	93	10	8.7	87	7	55-140	20
Chloroethane	10	9.6	96	10	8.9	89	8	55-138	20
1,1-Dichloroethene	10	8.9	89	10	8.6	86	3	61-145	20
trans-1,2-Dichloroethene	10	9.6	96	10	9.4	94	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2064186-3	**Analysis Date** : 05/08/25 07:46	**File ID** : V01250508A01
LCSD Sample ID	: WG2064186-4	**Analysis Date** : 05/08/25 08:12	**File ID** : V01250508A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.6	96	10	9.4	94	2	70-130	20
1,2-Dichlorobenzene	10	9.6	96	10	9.5	95	1	70-130	20
1,3-Dichlorobenzene	10	9.6	96	10	9.3	93	3	70-130	20
1,4-Dichlorobenzene	10	9.2	92	10	9.1	91	1	70-130	20
Methyl tert butyl ether	10	9.9	99	10	9.7	97	2	63-130	20
p/m-Xylene	20	19	95	20	19	95	0	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.5	95	5	70-130	20
Styrene	20	19	95	20	19	95	0	70-130	20
Dichlorodifluoromethane	10	8.6	86	10	8.1	81	6	36-147	20
Acetone	10	12	120	10	9.5	95	23 Q	58-148	20
Carbon disulfide	10	9.6	96	10	9.6	96	0	51-130	20
2-Butanone	10	10	100	10	8.5	85	16	63-138	20
4-Methyl-2-pentanone	10	8.4	84	10	8.2	82	2	59-130	20
2-Hexanone	10	7.7	77	10	8.2	82	6	57-130	20
1,2-Dibromoethane	10	9.7	97	10	9.4	94	3	70-130	20
n-Butylbenzene	10	9.2	92	10	8.7	87	6	53-136	20
sec-Butylbenzene	10	9.0	90	10	8.6	86	5	70-130	20
tert-Butylbenzene	10	9.2	92	10	8.9	89	3	70-130	20
1,2-Dibromo-3-chloropropane	10	8.8	88	10	8.8	88	0	41-144	20
Isopropylbenzene	10	8.9	89	10	8.6	86	3	70-130	20
p-Isopropyltoluene	10	9.3	93	10	8.9	89	4	70-130	20
Naphthalene	10	9.0	90	10	9.2	92	2	70-130	20
n-Propylbenzene	10	9.0	90	10	8.6	86	5	69-130	20
1,2,4-Trichlorobenzene	10	9.2	92	10	9.4	94	2	70-130	20
1,3,5-Trimethylbenzene	10	9.2	92	10	8.9	89	3	64-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2064186-3	**Analysis Date** : 05/08/25 07:46	**File ID** : V01250508A01
LCSD Sample ID	: WG2064186-4	**Analysis Date** : 05/08/25 08:12	**File ID** : V01250508A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	10	9.3	93	10	9.0	90	3	70-130	20
Methyl Acetate	10	9.5	95	10	9.1	91	4	70-130	20
Cyclohexane	10	8.3	83	10	8.0	80	4	70-130	20
Freon-113	10	8.8	88	10	8.8	88	0	70-130	20
Methyl cyclohexane	10	8.8	88	10	8.5	85	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2065078-3	**Analysis Date** : 05/08/25 08:08	**File ID** : V22250508A02
LCSD Sample ID	: WG2065078-4	**Analysis Date** : 05/08/25 08:32	**File ID** : V22250508A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	9.3	93	10	9.4	94	1	70-130	20
Chloroform	10	9.9	99	10	10	100	1	70-130	20
Carbon tetrachloride	10	12	120	10	12	120	0	63-132	20
1,2-Dichloropropane	10	8.5	85	10	8.4	84	1	70-130	20
Dibromochloromethane	10	10	100	10	11	110	10	63-130	20
1,1,2-Trichloroethane	10	8.1	81	10	8.1	81	0	70-130	20
Tetrachloroethene	10	12	120	10	11	110	9	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	12	120	10	12	120	0	62-150	20
1,2-Dichloroethane	10	9.3	93	10	9.3	93	0	70-130	20
1,1,1-Trichloroethane	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	10	9.8	98	10	9.8	98	0	67-130	20
trans-1,3-Dichloropropene	10	7.8	78	10	7.8	78	0	70-130	20
cis-1,3-Dichloropropene	10	9.0	90	10	9.0	90	0	70-130	20
Bromoform	10	9.5	95	10	9.7	97	2	54-136	20
1,1,2,2-Tetrachloroethane	10	7.7	77	10	7.6	76	1	67-130	20
Benzene	10	9.2	92	10	9.2	92	0	70-130	20
Toluene	10	9.1	91	10	8.8	88	3	70-130	20
Ethylbenzene	10	8.9	89	10	8.7	87	2	70-130	20
Chloromethane	10	8.4	84	10	8.6	86	2	64-130	20
Bromomethane	10	11	110	10	10	100	10	39-139	20
Vinyl chloride	10	8.5	85	10	8.3	83	2	55-140	20
Chloroethane	10	10	100	10	10	100	0	55-138	20
1,1-Dichloroethene	10	11	110	10	11	110	0	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2065078-3	**Analysis Date** : 05/08/25 08:08	**File ID** : V22250508A02
LCSD Sample ID	: WG2065078-4	**Analysis Date** : 05/08/25 08:32	**File ID** : V22250508A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	11	110	10	10	100	10	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	8.8	88	10	9.0	90	2	63-130	20
p/m-Xylene	20	20	100	20	19	95	5	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Styrene	20	18	90	20	17	85	6	70-130	20
Dichlorodifluoromethane	10	10	100	10	9.8	98	2	36-147	20
Acetone	10	8.3	83	10	8.7	87	5	58-148	20
Carbon disulfide	10	9.9	99	10	9.8	98	1	51-130	20
2-Butanone	10	8.9	89	10	8.2	82	8	63-138	20
4-Methyl-2-pentanone	10	6.7	67	10	6.8	68	1	59-130	20
2-Hexanone	10	6.4	64	10	6.6	66	3	57-130	20
1,2-Dibromoethane	10	9.6	96	10	9.3	93	3	70-130	20
n-Butylbenzene	10	8.8	88	10	8.4	84	5	53-136	20
sec-Butylbenzene	10	9.2	92	10	8.8	88	4	70-130	20
tert-Butylbenzene	10	8.4	84	10	8.1	81	4	70-130	20
1,2-Dibromo-3-chloropropane	10	9.4	94	10	9.7	97	3	41-144	20
Isopropylbenzene	10	8.9	89	10	8.7	87	2	70-130	20
p-Isopropyltoluene	10	9.0	90	10	8.8	88	2	70-130	20
Naphthalene	10	9.4	94	10	9.6	96	2	70-130	20
n-Propylbenzene	10	8.4	84	10	8.2	82	2	69-130	20
1,2,4-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3,5-Trimethylbenzene	10	9.1	91	10	9.0	90	1	64-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2065078-3	**Analysis Date** : 05/08/25 08:08	**File ID** : V22250508A02
LCSD Sample ID	: WG2065078-4	**Analysis Date** : 05/08/25 08:32	**File ID** : V22250508A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	10	9.3	93	10	9.0	90	3	70-130	20
Methyl Acetate	10	8.1	81	10	8.3	83	2	70-130	20
Cyclohexane	10	9.1	91	10	8.4	84	8	70-130	20
Freon-113	10	12	120	10	11	110	9	70-130	20
Methyl cyclohexane	10	8.3	83	10	7.7	77	8	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Lab Sample ID	: WG2065078-5	**Lab File ID**	: V22250508A05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 05/08/25 09:21

Client Sample No.	Lab Sample ID	Analysis Date
WG2065078-3LCS	WG2065078-3	05/08/25 08:08
WG2065078-4LCSD	WG2065078-4	05/08/25 08:32
BCP MW-1	L2525831-02	05/08/25 12:36
DUP	L2525831-03	05/08/25 13:01
BCP MW-7	L2525831-04	05/08/25 13:25
BCP MW-5	L2525831-05D	05/08/25 13:49
BCP MW-3	L2525831-06D	05/08/25 14:13
BCP MW-4	L2525831-07D	05/08/25 14:38

Method Blank Summary
Form 4
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Lab Sample ID	: WG2064186-5	**Lab File ID**	: V01250508A05
Instrument ID	: VOA101		
Matrix	: WATER	**Analysis Date**	: 05/08/25 09:30

Client Sample No.	Lab Sample ID	Analysis Date
WG2064186-3LCS	WG2064186-3	05/08/25 07:46
WG2064186-4LCSD	WG2064186-4	05/08/25 08:12
BCP MW-6	L2525831-01	05/08/25 14:41

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

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA122	**Analysis Date**	: 04/05/25 15:07
Tune Standard	: WG2050134-1	**Tune File ID**	: V22250405ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	26.3
75	30.0 - 80.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (.5)1
174	Greater than 50.0% of mass 95	75
175	5.0 - 9.0% of mass 174	6 (8)1
176	Greater than 95.0% but less than 101% of mass	71.8 (95.8)1
177	5.0 - 9.0% of mass 176	4.8 (6.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1949796-1	V22250405A05	04/05/25 16:58
STD2PPB	R1949796-2	V22250405A07	04/05/25 17:47
STD10PPB	R1949796-3	V22250405A09	04/05/25 18:37
STD30PPB	R1949796-5	V22250405A10	04/05/25 19:01
STD80PPB	R1949796-4	V22250405A11	04/05/25 19:26
STD120PPB	R1949796-6	V22250405A12	04/05/25 19:50
STD200PPB	R1949796-8	V22250405A13	04/05/25 20:15

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

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA122	**Analysis Date**	: 04/06/25 11:00
Tune Standard	: WG2050134-2	**Tune File ID**	: V22250406ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	28.2
75	30.0 - 80.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.3 (7.4)1
176	Greater than 95.0% but less than 101% of mass	68.1 (95.8)1
177	5.0 - 9.0% of mass 176	4.6 (6.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1949796-7	V22250406A02	04/06/25 11:37
Correlation Data Summary	R1949796-9	V22250406A04	04/06/25 12:26
ICV Quant Report	R1949796-9	V22250406A04	04/06/25 12:26

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

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA122	**Analysis Date**	: 05/08/25 07:11
Tune Standard	: WG2065078-1	**Tune File ID**	: V22250508ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 80.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.2 (1.3)1
174	Greater than 50.0% of mass 95	92.7
175	5.0 - 9.0% of mass 174	7.3 (7.9)1
176	Greater than 95.0% but less than 101% of mass	89.8 (96.9)1
177	5.0 - 9.0% of mass 176	6.3 (7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2065078-2CCAL	WG2065078-2	V22250508A02	05/08/25 08:08
WG2065078-3LCS	WG2065078-3	V22250508A02	05/08/25 08:08
WG2065078-4LCSD	WG2065078-4	V22250508A03	05/08/25 08:32
WG2065078-5BLANK	WG2065078-5	V22250508A05	05/08/25 09:21
BCP MW-1	L2525831-02	V22250508A13	05/08/25 12:36
DUP	L2525831-03	V22250508A14	05/08/25 13:01
BCP MW-7	L2525831-04	V22250508A15	05/08/25 13:25
BCP MW-5	L2525831-05D	V22250508A16	05/08/25 13:49
BCP MW-3	L2525831-06D	V22250508A17	05/08/25 14:13
BCP MW-4	L2525831-07D	V22250508A18	05/08/25 14:38

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

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA101	**Analysis Date**	: 05/03/25 04:54
Tune Standard	: WG2062144-1	**Tune File ID**	: V01250503BBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	15.5
75	30.0 - 80.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	79.9
175	5.0 - 9.0% of mass 174	5.9 (7.4)1
176	Greater than 95.0% but less than 101% of mass	78.4 (98.1)1
177	5.0 - 9.0% of mass 176	5.1 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1961200-1	V01250503B03	05/03/25 06:07
STD0.5PPB	R1961200-2	V01250503B05	05/03/25 06:59
STD2PPB	R1961200-3	V01250503B08	05/03/25 08:17
STD10PPB	R1961200-4	V01250503B09	05/03/25 08:43
STD30PPB	R1961200-5	V01250503B10	05/03/25 09:09
STD80PPB	R1961200-6	V01250503B11	05/03/25 09:35
STD120PPB	R1961200-7	V01250503B12	05/03/25 10:00
STD200PPB	R1961200-8	V01250503B13	05/03/25 10:26
ICV Quant Report	R1961200-9	V01250503B18	05/03/25 12:36

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

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA101	**Analysis Date**	: 05/08/25 07:13
Tune Standard	: WG2064186-1	**Tune File ID**	: V01250508ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 80.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (.5)1
174	Greater than 50.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	6.8 (8.5)1
176	Greater than 95.0% but less than 101% of mass	79.4 (99.6)1
177	5.0 - 9.0% of mass 176	5.3 (6.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2064186-2CCAL	WG2064186-2	V01250508A01	05/08/25 07:46
WG2064186-3LCS	WG2064186-3	V01250508A01	05/08/25 07:46
WG2064186-4LCSD	WG2064186-4	V01250508A02	05/08/25 08:12
WG2064186-5BLANK	WG2064186-5	V01250508A05	05/08/25 09:30
BCP MW-6	L2525831-01	V01250508A17	05/08/25 14:41

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA101	**Analysis Date**	: 05/08/25 07:46:00
Sample No	: WG2064186-2	**Lab File ID**	: V01250508A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2064186-2	381825	5.87	302275	9.38	164373	12.12
Upper Limit	763650	6.37	604550	9.88	328746	12.62
Lower Limit	190913	5.37	151138	8.88	82187	11.62
Sample ID						
WG2064186-3 LCS	381825	5.87	302275	9.38	164373	12.12
WG2064186-4 LCSD	386391	5.87	305868	9.38	167526	12.12
WG2064186-5 BLANK	375134	5.86	285630	9.38	145027	12.12
BCP MW-6	352901	5.87	269964	9.38	136998	12.12

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA122	**Analysis Date**	: 05/08/25 08:08:00
Sample No	: WG2065078-2	**Lab File ID**	: V22250508A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2065078-2	405024	5.88	348411	9.41	191325	12.14
Upper Limit	810048	6.38	696822	9.91	382650	12.64
Lower Limit	202512	5.38	174206	8.91	95663	11.64
Sample ID						
WG2065078-3 LCS	405024	5.88	348411	9.41	191325	12.14
WG2065078-4 LCSD	398510	5.88	346700	9.41	190238	12.15
WG2065078-5 BLANK	372113	5.88	319706	9.41	168149	12.15
BCP MW-1	381618	5.88	328352	9.41	172022	12.14
DUP	357252	5.88	315879	9.41	165028	12.14
BCP MW-7	362470	5.88	315007	9.41	165835	12.14
BCP MW-5	390204	5.88	334779	9.41	182590	12.14
BCP MW-3	411352	5.88	347007	9.41	185082	12.14
BCP MW-4	434112	5.88	363742	9.41	189635	12.14

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

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

* Values outside of QC limits

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

Volatile Organics - EPA 8260D (WATER)

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

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

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

Volatile Organics - EPA 8260D (WATER)

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

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

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-01	Date Collected	: 04/25/25 09:50
Client ID	: BCP MW-6	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-01	Date Collected	: 04/25/25 09:50
Client ID	: BCP MW-6	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.9	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-01	Date Collected	: 04/25/25 09:50
Client ID	: BCP MW-6	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-02	Date Collected	: 04/25/25 11:20
Client ID	: BCP MW-1	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-02	Date Collected	: 04/25/25 11:20
Client ID	: BCP MW-1	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-02	Date Collected	: 04/25/25 11:20
Client ID	: BCP MW-1	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-03	Date Collected	: 04/25/25 11:20
Client ID	: DUP	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-03	Date Collected	: 04/25/25 11:20
Client ID	: DUP	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-03	Date Collected	: 04/25/25 11:20
Client ID	: DUP	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-04	Date Collected	: 04/25/25 13:00
Client ID	: BCP MW-7	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-04	Date Collected	: 04/25/25 13:00
Client ID	: BCP MW-7	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.2	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-04	Date Collected	: 04/25/25 13:00
Client ID	: BCP MW-7	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-05D	Date Collected	: 04/25/25 14:05
Client ID	: BCP MW-5	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:49
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A16	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	ND	5.0	1.8	U
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	28	25	7.0	
100-41-4	Ethylbenzene	700	25	7.0	
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	ND	10	0.71	U
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-05D	Date Collected	: 04/25/25 14:05
Client ID	: BCP MW-5	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:49
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A16	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	ND	5.0	1.8	U
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	1.7	U
179601-23-1	p/m-Xylene	73	25	7.0	
95-47-6	o-Xylene	33	25	7.0	
156-59-2	cis-1,2-Dichloroethene	ND	25	7.0	U
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	ND	50	15.	U
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	47	50	19.	J
108-10-1	4-Methyl-2-pentanone	26	50	10.	J
591-78-6	2-Hexanone	23	50	10.	J
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
104-51-8	n-Butylbenzene	ND	25	7.0	U
135-98-8	sec-Butylbenzene	ND	25	7.0	U
98-06-6	tert-Butylbenzene	ND	25	7.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	10	25	7.0	J
99-87-6	p-Isopropyltoluene	ND	25	7.0	U
91-20-3	Naphthalene	73	25	7.0	
103-65-1	n-Propylbenzene	42	25	7.0	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-05D	Date Collected	: 04/25/25 14:05
Client ID	: BCP MW-5	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:49
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A16	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
108-67-8	1,3,5-Trimethylbenzene	11	25	7.0	J
95-63-6	1,2,4-Trimethylbenzene	880	25	7.0	
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	85	100	2.7	J
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	32	100	4.0	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-06D	Date Collected	: 04/25/25 15:10
Client ID	: BCP MW-3	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:13
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A17	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	ND	12	3.5	U
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	ND	2.5	0.90	U
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	7.7	12	3.5	J
100-41-4	Ethylbenzene	290	12	3.5	
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	ND	5.0	0.36	U
75-00-3	Chloroethane	ND	12	3.5	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.84	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-06D	Date Collected	: 04/25/25 15:10
Client ID	: BCP MW-3	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:13
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A17	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U
79-01-6	Trichloroethene	ND	2.5	0.88	U
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	0.83	U
179601-23-1	p/m-Xylene	370	12	3.5	
95-47-6	o-Xylene	20	12	3.5	
156-59-2	cis-1,2-Dichloroethene	ND	12	3.5	U
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	ND	25	7.3	U
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
104-51-8	n-Butylbenzene	ND	12	3.5	U
135-98-8	sec-Butylbenzene	ND	12	3.5	U
98-06-6	tert-Butylbenzene	ND	12	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
99-87-6	p-Isopropyltoluene	ND	12	3.5	U
91-20-3	Naphthalene	150	12	3.5	
103-65-1	n-Propylbenzene	13	12	3.5	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-06D	Date Collected	: 04/25/25 15:10
Client ID	: BCP MW-3	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:13
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A17	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
108-67-8	1,3,5-Trimethylbenzene	7.2	12	3.5	J
95-63-6	1,2,4-Trimethylbenzene	510	12	3.5	
79-20-9	Methyl Acetate	ND	10	1.2	U
110-82-7	Cyclohexane	61	50	1.4	
76-13-1	Freon-113	ND	12	3.5	U
108-87-2	Methyl cyclohexane	24	50	2.0	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-07D	Date Collected	: 04/25/25 16:00
Client ID	: BCP MW-4	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:38
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A18	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	ND	1.0	0.36	U
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	2.3	1.0	0.32	
108-88-3	Toluene	5.0	5.0	1.4	
100-41-4	Ethylbenzene	160	5.0	1.4	
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	ND	2.0	0.14	U
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-07D	Date Collected	: 04/25/25 16:00
Client ID	: BCP MW-4	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:38
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A18	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	ND	1.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	0.33	U
179601-23-1	p/m-Xylene	5.1	5.0	1.4	
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.4	U
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
104-51-8	n-Butylbenzene	1.8	5.0	1.4	J
135-98-8	sec-Butylbenzene	ND	5.0	1.4	U
98-06-6	tert-Butylbenzene	ND	5.0	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	8.6	5.0	1.4	
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U
91-20-3	Naphthalene	38	5.0	1.4	
103-65-1	n-Propylbenzene	37	5.0	1.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-07D	Date Collected	: 04/25/25 16:00
Client ID	: BCP MW-4	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:38
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A18	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U
95-63-6	1,2,4-Trimethylbenzene	130	5.0	1.4	
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	20	20	0.54	
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	6.5	20	0.79	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: WG2064186-5	Date Collected	: NA
Client ID	: WG2064186-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/08/25 09:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	1.3	2.5	0.70	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: WG2064186-5	Date Collected	: NA
Client ID	: WG2064186-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/08/25 09:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.6	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: WG2064186-5	Date Collected	: NA
Client ID	: WG2064186-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/08/25 09:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: WG2065078-5	Date Collected	: NA
Client ID	: WG2065078-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/08/25 09:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: WG2065078-5	Date Collected	: NA
Client ID	: WG2065078-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/08/25 09:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: WG2065078-5	Date Collected	: NA
Client ID	: WG2065078-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/08/25 09:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A17.D
Acq On : 8 May 2025 2:41 pm
Operator : VOA101:MJV
Sample : L2525831-01,31,10,10,,A
Misc : WG2064186,ICAL22247
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 11 07:28:50 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.865	96	352901	10.000	ug/L	0.00
Standard Area 1 = 381825			Recovery = 92.42%			
59) Chlorobenzene-d5	9.379	117	269964	10.000	ug/L	0.00
Standard Area 1 = 302275			Recovery = 89.31%			
79) 1,4-Dichlorobenzene-d4	12.118	152	136998	10.000	ug/L	0.00
Standard Area 1 = 164373			Recovery = 83.35%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.073	113	97085	10.458	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.58%			
43) 1,2-Dichloroethane-d4	5.589	65	96458	10.443	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.43%			
60) Toluene-d8	7.541	98	370217	9.974	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.74%			
83) 4-Bromofluorobenzene	10.893	95	126454	9.531	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.31%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.783	50	425	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.159	94	979	0.661	ug/L	89
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.893	76	5064	0.200	ug/L #	79
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.453	43	3467M1	3.898	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.556	43	62	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.641	96	279	N.D.		
31) Cyclohexane	4.892	56	88	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A17.D
Acq On : 8 May 2025 2:41 pm
Operator : VOA101:MJV
Sample : L2525831-01,31,10,10,,A
Misc : WG2064186,ICAL22247
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 11 07:28:50 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39)	2-Butanone	5.202	43	63	N.D.		
41)	Benzene	5.455	78	72	N.D.		
44)	1,2-Dichloroethane	0.000		0	N.D.		
47)	Methyl cyclohexane	0.000		0	N.D.		
48)	Trichloroethene	5.983	95	84	N.D.		
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	0.000		0	N.D.		
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	0.000		0	N.D.		
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	0.000		0	N.D.		
73)	Chlorobenzene	0.000		0	N.D.		
74)	Ethylbenzene	9.385	91	312	N.D.		
76)	p/m Xylene	0.000		0	N.D.		
77)	o Xylene	0.000		0	N.D.		
78)	Styrene	0.000		0	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	10.578	105	586	N.D.		
85)	n-Propylbenzene	0.000		0	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
90)	1,3,5-Trimethylbenzene	0.000		0	N.D.		
94)	tert-Butylbenzene	0.000		0	N.D.		
97)	1,2,4-Trimethylbenzene	0.000		0	N.D.		
98)	sec-Butylbenzene	0.000		0	N.D.		
99)	p-Isopropyltoluene	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
103)	n-Butylbenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	14.295	128	409	N.D.		

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

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A17.D
Acq On : 8 May 2025 2:41 pm
Operator : VOA101:MJV
Sample : L2525831-01,31,10,10,,A
Misc : WG2064186,ICAL22247
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 11 07:28:50 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

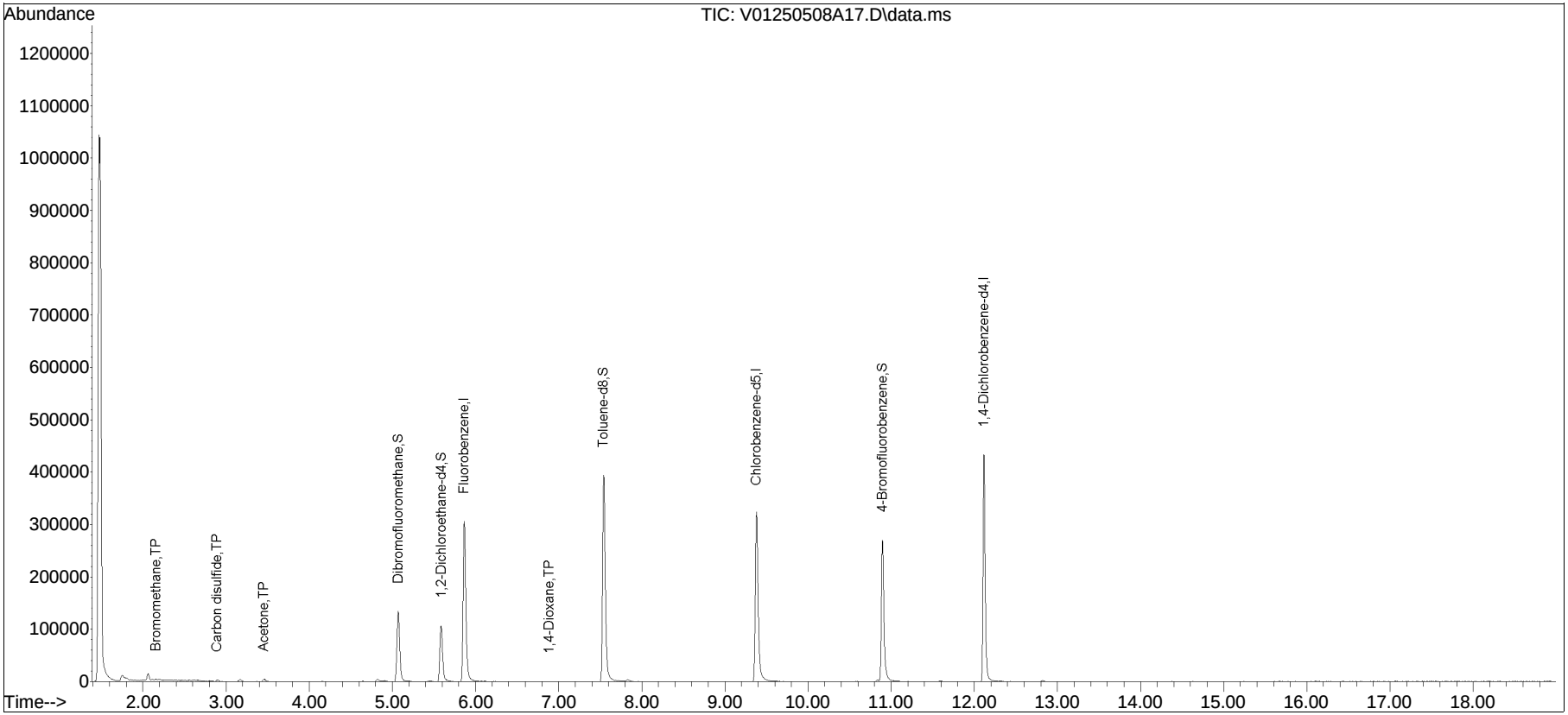
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

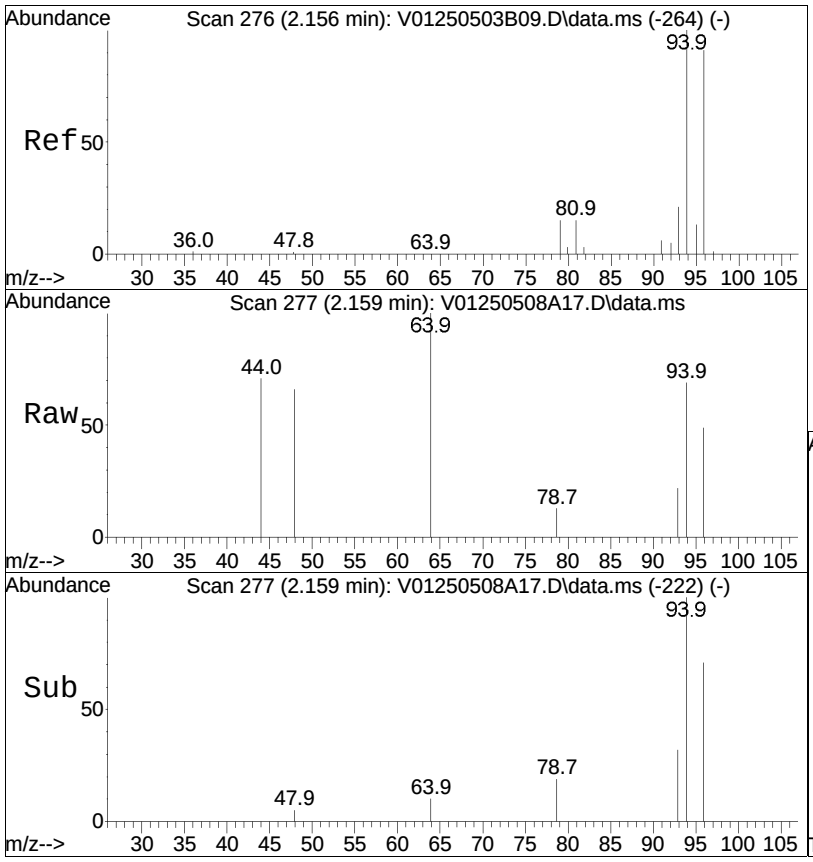
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A17.D
Acq On : 8 May 2025 2:41 pm
Operator : VOA101:MJV
Sample : L2525831-01,31,10,10,,A
Misc : WG2064186,ICAL22247
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 11 07:28:50 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0508A01.D•

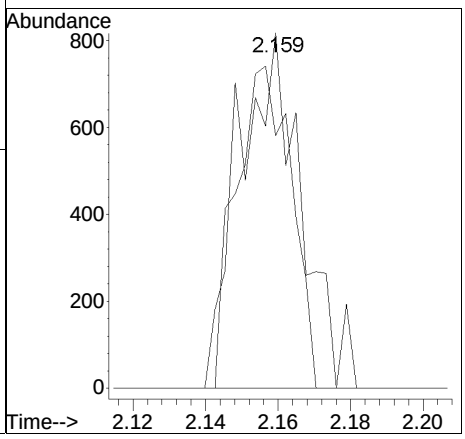


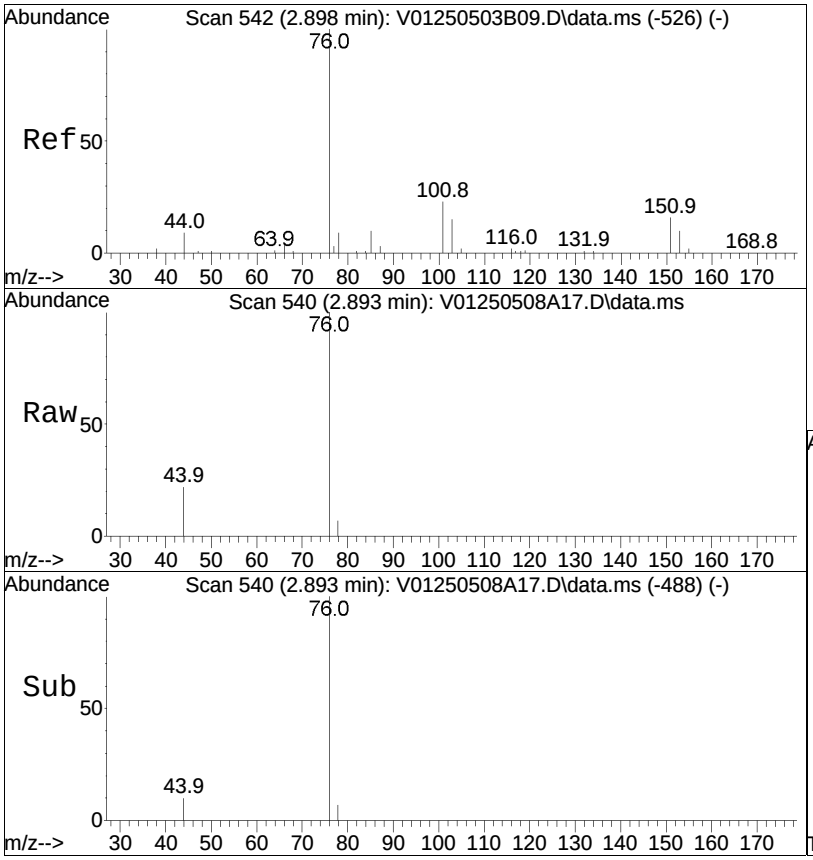


#5
Bromomethane
Concen: 0.66 ug/L
RT: 2.159 min Scan# 277
Delta R.T. 0.003 min
Lab File: V01250508A17.D
Acq: 8 May 2025 2:41 pm

Tgt Ion: 94 Resp: 979

Ion	Ratio	Lower	Upper
94	100		
96	80.3	71.1	111.1

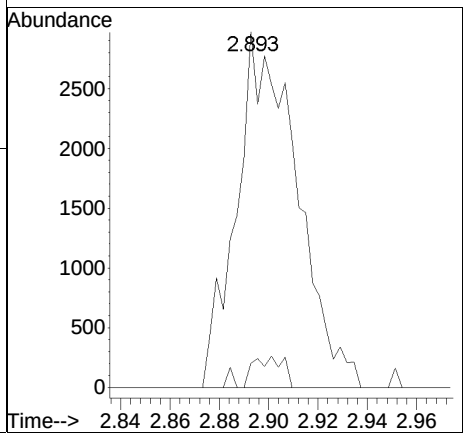


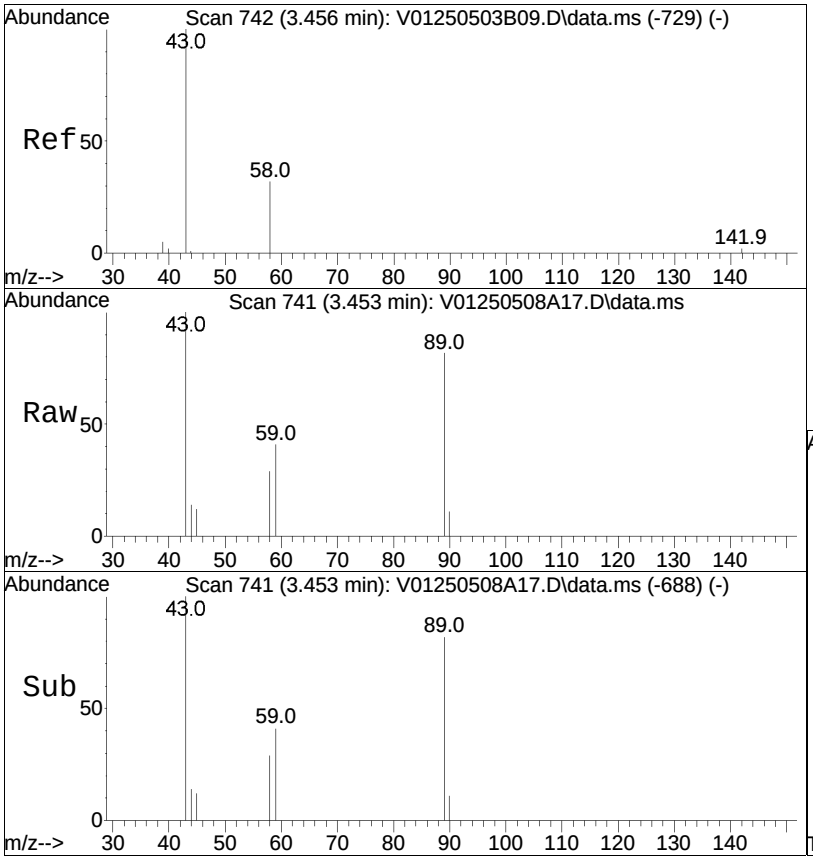


#11
Carbon disulfide
Concen: 0.20 ug/L
RT: 2.893 min Scan# 540
Delta R.T. -0.005 min
Lab File: V01250508A17.D
Acq: 8 May 2025 2:41 pm

Tgt Ion: 76 Resp: 5064

Ion	Ratio	Lower	Upper
76	100		
78	2.0	6.4	13.2#

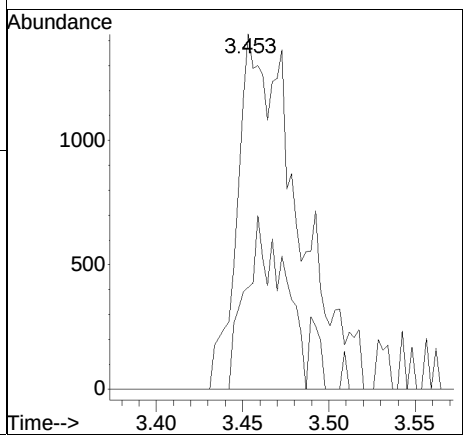




#17
Acetone
Concen: 3.90 ug/L M1
RT: 3.453 min Scan# 741
Delta R.T. -0.003 min
Lab File: V01250508A17.D
Acq: 8 May 2025 2:41 pm

Tgt Ion: 43 Resp: 3467

Ion	Ratio	Lower	Upper
43	100		
58	16.7	26.2	39.2#

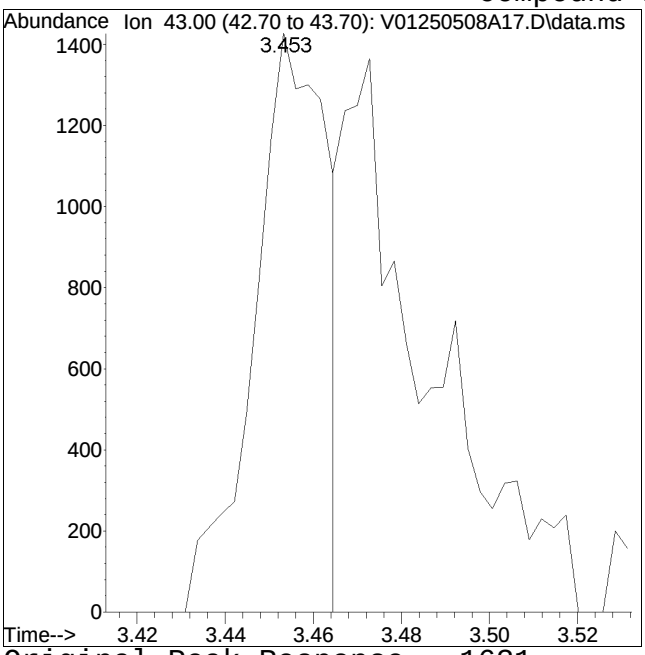


Manual Integration Report

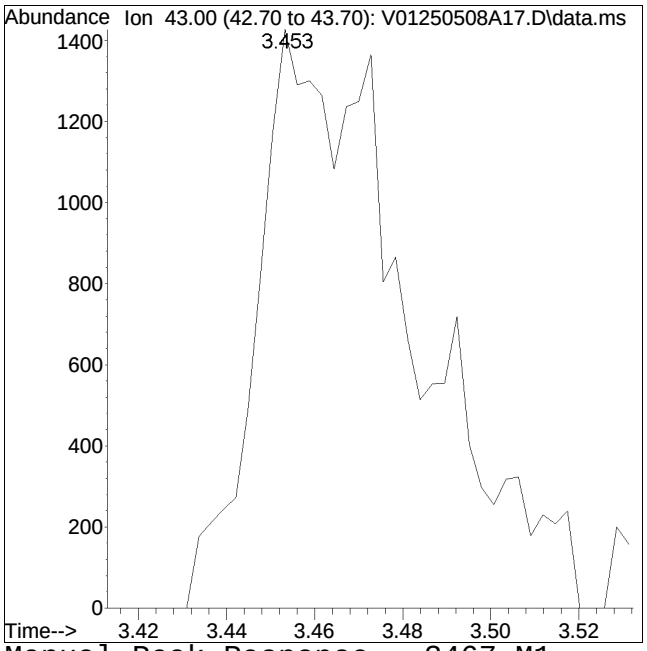
Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A17.D
Date Inj'd : 5/8/2025 2:41 pm
Sample : L2525831-01,31,10,10,,A

QMethod : V101_250503B_8260.m
Operator : VOA101:MJV
Instrument : VOA 101
Quant Date : 5/11/2025 4:32 am

Compound #17: Acetone



Original Peak Response = 1631



Manual Peak Response = 3467 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A13.D
Acq On : 08 May 2025 12:36 pm
Operator : VOA122:MJV
Sample : L2525831-02,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 11 06:58:54 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	381618	10.000	ug/L	0.00
Standard Area 1 = 405024			Recovery = 94.22%			
62) Chlorobenzene-d5	9.407	117	328352	10.000	ug/L	0.00
Standard Area 1 = 348411			Recovery = 94.24%			
83) 1,4-Dichlorobenzene-d4	12.139	152	172022	10.000	ug/L	0.00
Standard Area 1 = 191325			Recovery = 89.91%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.069	113	126629	12.064	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.64%			
46) 1,2-Dichloroethane-d4	5.591	65	111979	9.675	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.75%			
63) Toluene-d8	7.569	98	412008	9.284	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.84%			
87) 4-Bromofluorobenzene	10.915	95	129920	8.216	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.134	94	195	0.082	ug/L #	69
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.895	76	409	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	4.904	83	306	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A13.D
Acq On : 08 May 2025 12:36 pm
Operator : VOA122:MJV
Sample : L2525831-02,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 11 06:58:54 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2-Butanone	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	5.654	62	247	N.D.		
50) Methyl cyclohexane	0.000		0	N.D.		
51) Trichloroethene	5.947	95	242	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	9.428	112	64	N.D.		
78) Ethylbenzene	9.407	91	384	N.D.		
80) p/m Xylene	9.653	106	69	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	10.277	104	238	0.617	ug/L #	76
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.599	105	248	N.D.		
89) n-Propylbenzene	11.083	91	832	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	11.308	105	662	N.D.		
98) tert-Butylbenzene	11.651	119	814	N.D.		
101) 1,2,4-Trimethylbenzene	11.735	105	836	N.D.		
102) sec-Butylbenzene	11.853	105	2273	0.081	ug/L	90
103) p-Isopropyltoluene	12.007	119	1828	0.336	ug/L #	84
104) 1,3-Dichlorobenzene	0.000		0	N.D. d		
105) 1,4-Dichlorobenzene	12.153	146	652	N.D.		
107) n-Butylbenzene	12.438	91	2426	0.120	ug/L	100
108) 1,2-Dichlorobenzene	12.577	146	472	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	14.004	180	1275	0.201	ug/L	92
114) Naphthalene	14.297	128	2271	0.172	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A13.D
Acq On : 08 May 2025 12:36 pm
Operator : VOA122:MJV
Sample : L2525831-02,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 11 06:58:54 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

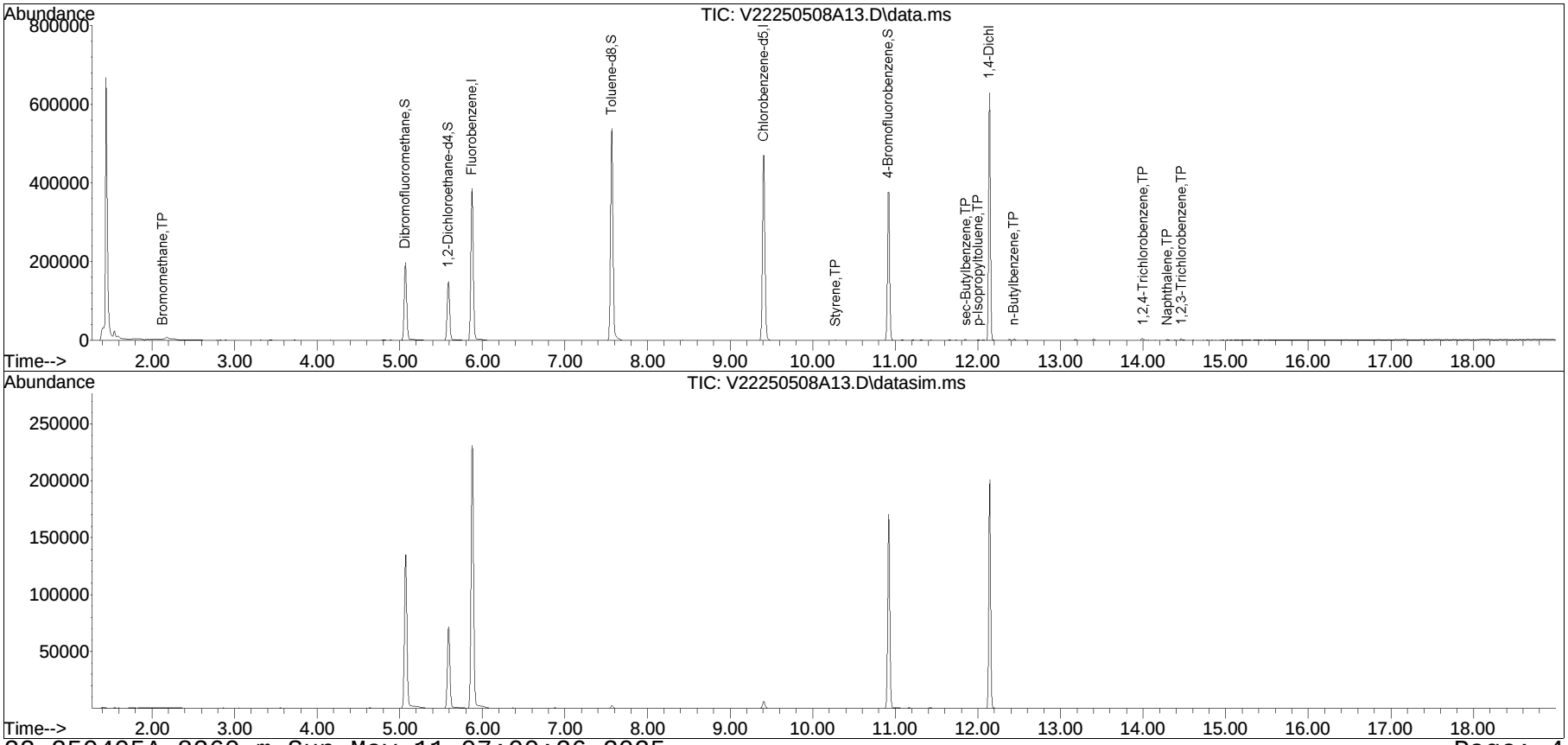
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

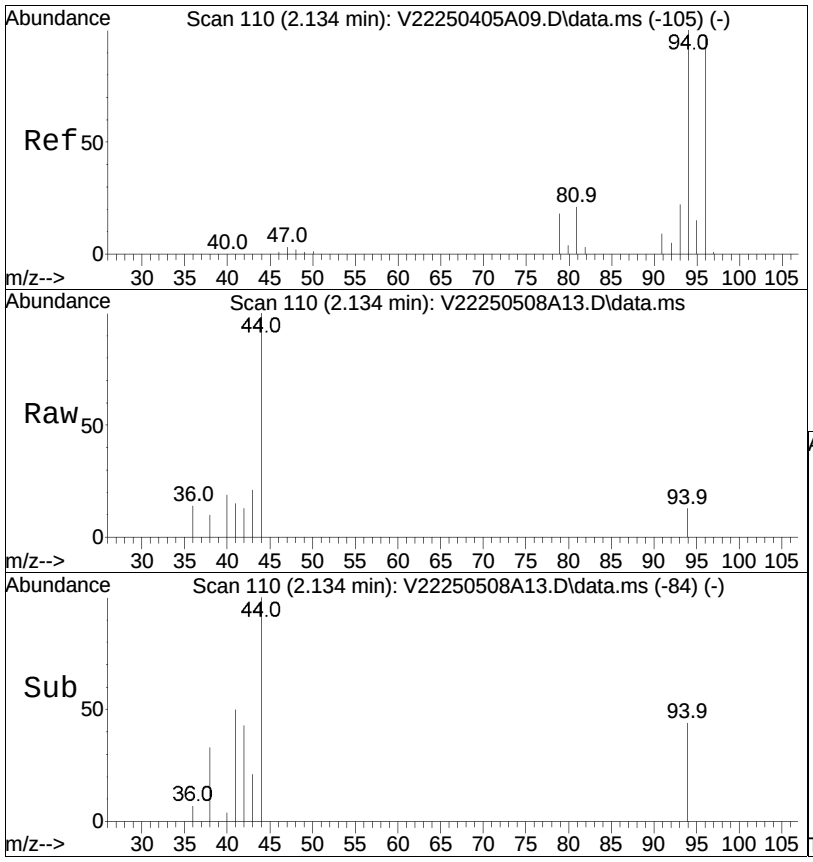
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A13.D
Acq On : 08 May 2025 12:36 pm
Operator : VOA122:MJV
Sample : L2525831-02,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 11 06:58:54 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0508A02.D•

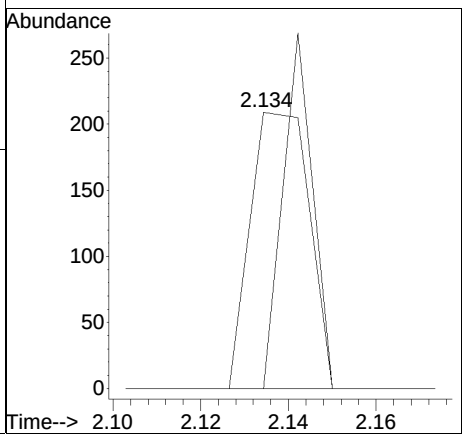


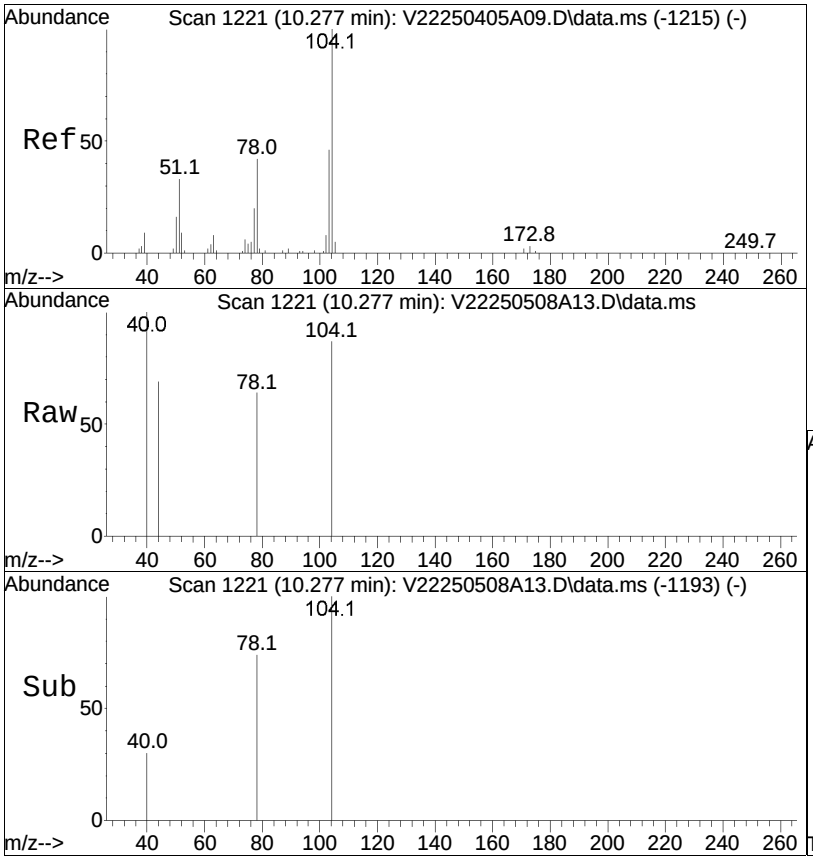


#5
Bromomethane
Concen: 0.08 ug/L
RT: 2.134 min Scan# 110
Delta R.T. 0.000 min
Lab File: V22250508A13.D
Acq: 08 May 2025 12:36 pm

Tgt Ion: 94 Resp: 195

Ion	Ratio	Lower	Upper
94	100		
96	65.1	75.3	115.3#

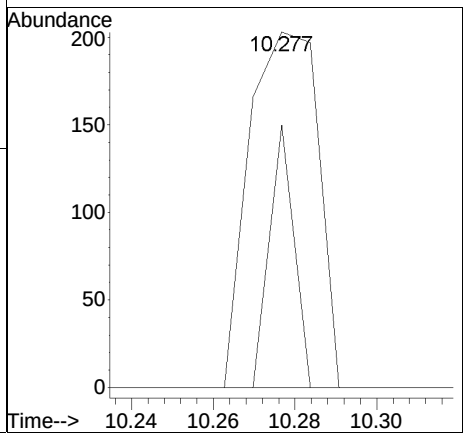


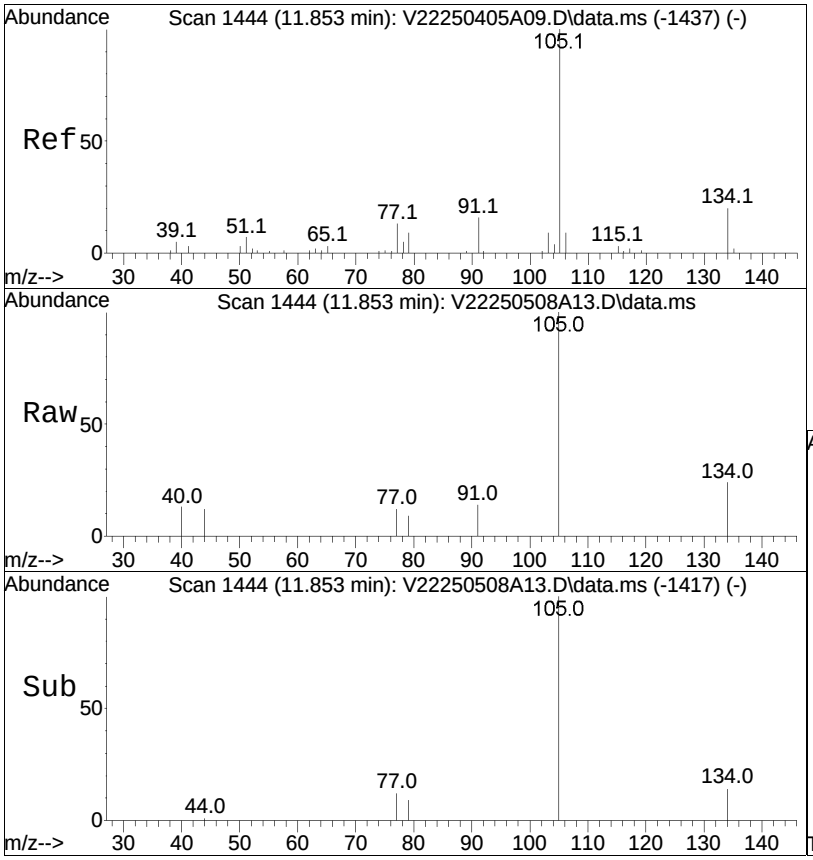


#82
Styrene
Concen: 0.62 ug/L
RT: 10.277 min Scan# 1221
Delta R.T. -0.000 min
Lab File: V22250508A13.D
Acq: 08 May 2025 12:36 pm

Tgt Ion:104 Resp: 238

Ion	Ratio	Lower	Upper
104	100		
78	26.5	33.4	50.0#

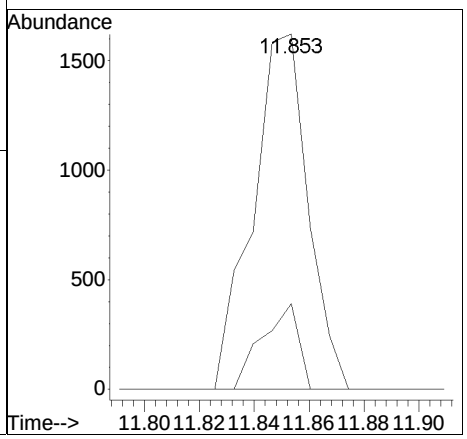


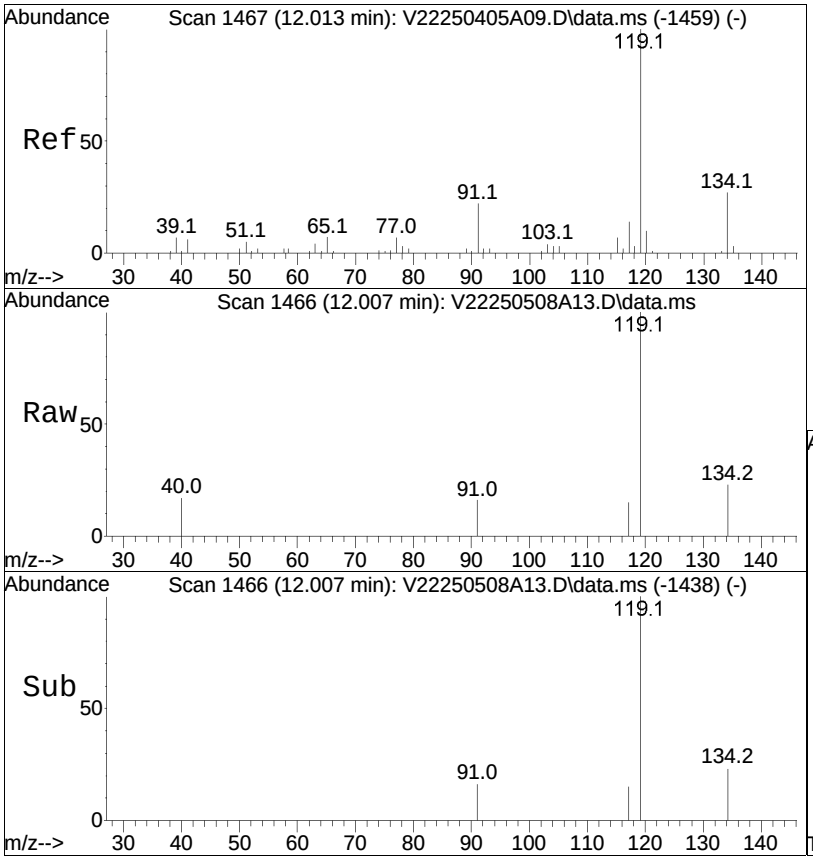


#102
sec-Butylbenzene
Concen: 0.08 ug/L
RT: 11.853 min Scan# 1444
Delta R.T. 0.000 min
Lab File: V22250508A13.D
Acq: 08 May 2025 12:36 pm

Tgt Ion:105 Resp: 2273

Ion	Ratio	Lower	Upper
105	100		
134	15.9	13.3	27.5

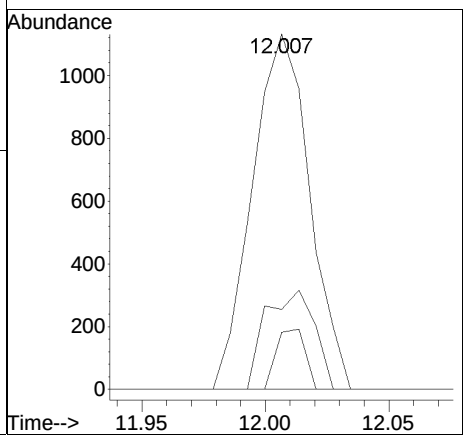


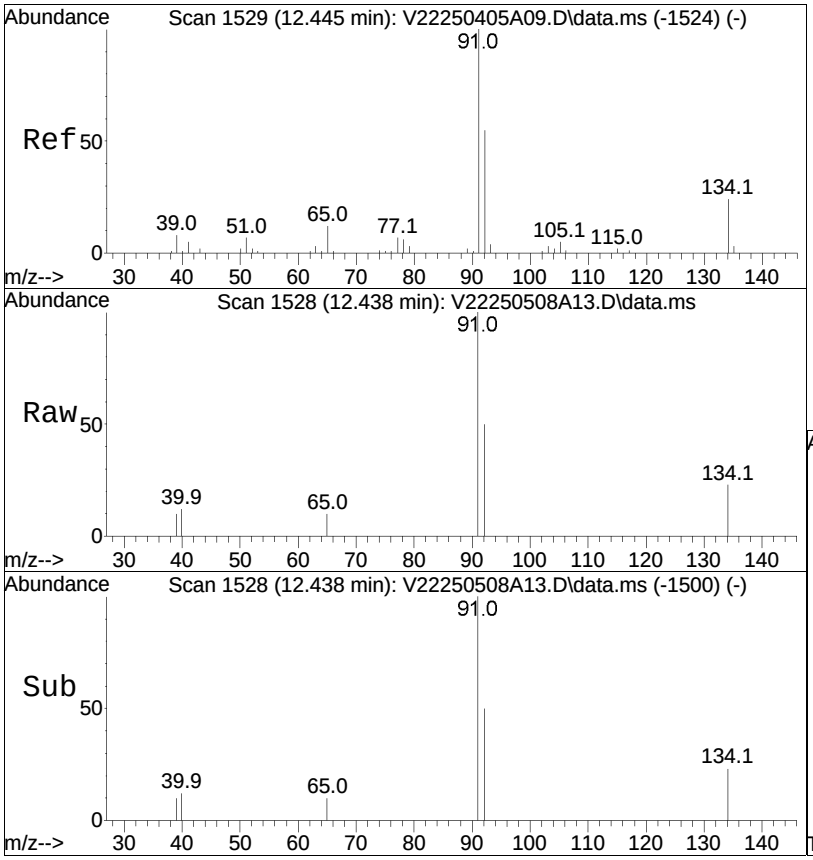


#103
p-Isopropyltoluene
Concen: 0.34 ug/L
RT: 12.007 min Scan# 1466
Delta R.T. -0.006 min
Lab File: V22250508A13.D
Acq: 08 May 2025 12:36 pm

Tgt Ion:119 Resp: 1828

Ion	Ratio	Lower	Upper
119	100		
134	23.7	17.2	35.8
91	8.5	14.8	30.6#

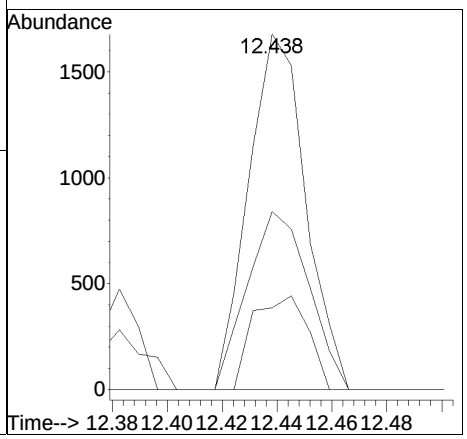


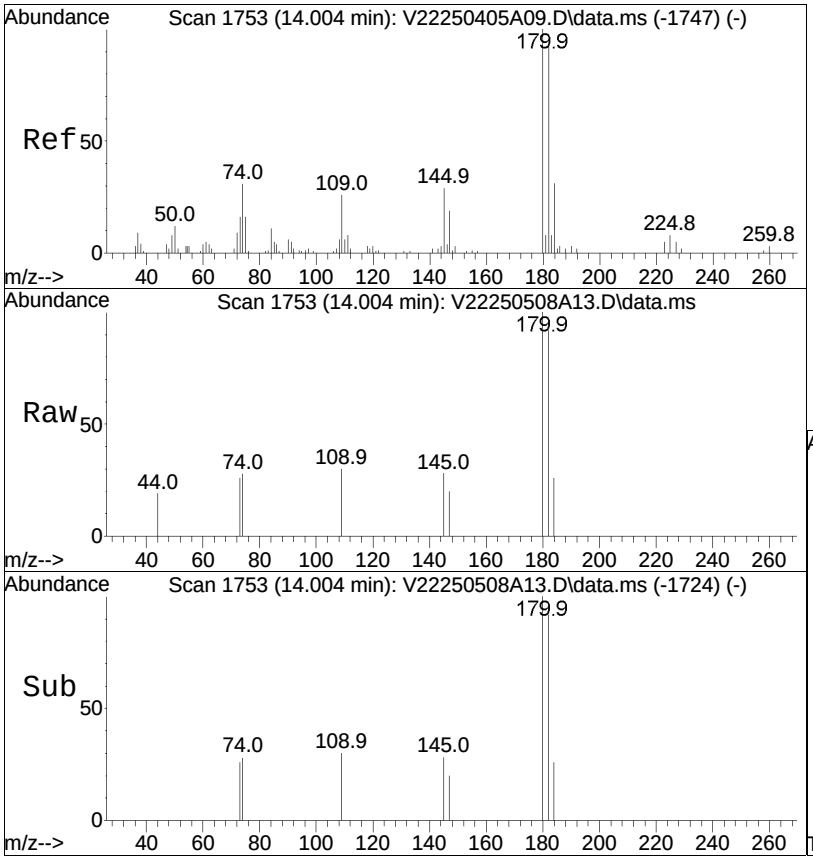


#107
n-Butylbenzene
Concen: 0.12 ug/L
RT: 12.438 min Scan# 1528
Delta R.T. -0.007 min
Lab File: V22250508A13.D
Acq: 08 May 2025 12:36 pm

Tgt Ion: 91 Resp: 2426

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.2	64.8
134	25.3	20.7	31.1

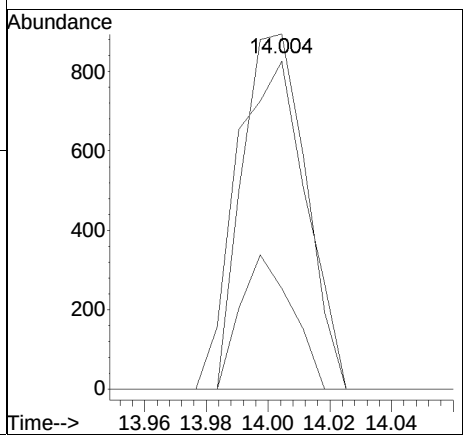


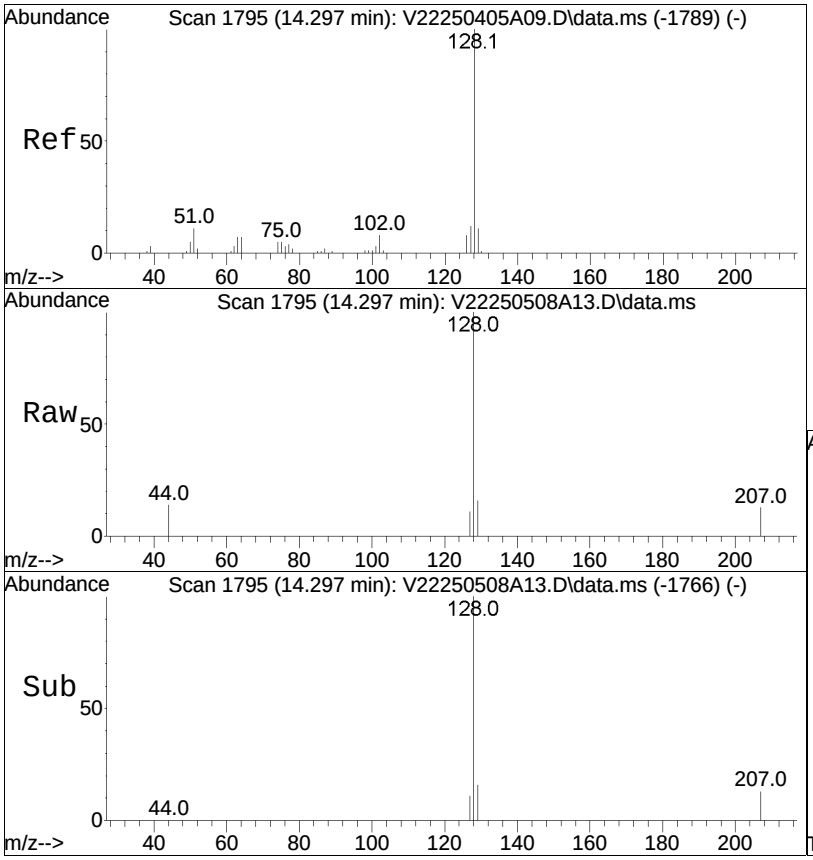


#113
1,2,4-Trichlorobenzene
Concen: 0.20 ug/L
RT: 14.004 min Scan# 1753
Delta R.T. 0.000 min
Lab File: V22250508A13.D
Acq: 08 May 2025 12:36 pm

Tgt Ion:180 Resp: 1275

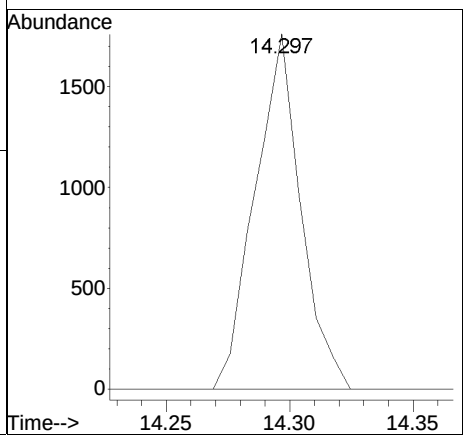
Ion	Ratio	Lower	Upper
180	100		
182	102.7	75.4	113.2
145	31.1	27.4	41.2





#114
Naphthalene
Concen: 0.17 ug/L
RT: 14.297 min Scan# 1795
Delta R.T. -0.000 min
Lab File: V22250508A13.D
Acq: 08 May 2025 12:36 pm

Tgt Ion:128 Resp: 2271



Manual Integration Report

Data Path	: K:\VOA122\2025\250508A\	QMethod	: V122_250405A_8260.m
Data File	: V22250508A13.D	Operator	: VOA122:MJV
Date Inj'd	: 5/8/2025 12:36 pm	Instrument	: VOA 122
Sample	: L2525831-02,31,10,10,,A	Quant Date	: 5/11/2025 6:20 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A14.D
Acq On : 08 May 2025 01:01 pm
Operator : VOA122:MJV
Sample : L2525831-03,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 11 06:59:04 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	357252	10.000	ug/L	0.00
Standard Area 1 = 405024			Recovery = 88.21%			
62) Chlorobenzene-d5	9.407	117	315879	10.000	ug/L	0.00
Standard Area 1 = 348411			Recovery = 90.66%			
83) 1,4-Dichlorobenzene-d4	12.139	152	165028	10.000	ug/L	0.00
Standard Area 1 = 191325			Recovery = 86.26%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.068	113	123184	12.536	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 125.36%			
46) 1,2-Dichloroethane-d4	5.591	65	106951	9.871	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.71%			
63) Toluene-d8	7.569	98	395469	9.263	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.63%			
87) 4-Bromofluorobenzene	10.915	95	127640	8.414	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.142	94	83	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.887	76	353	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	4.896	83	198	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A14.D
Acq On : 08 May 2025 01:01 pm
Operator : VOA122:MJV
Sample : L2525831-03,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 11 06:59:04 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2-Butanone	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	5.661	62	214	N.D.		
50) Methyl cyclohexane	0.000		0	N.D.		
51) Trichloroethene	5.989	95	132	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.414	91	637	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.915	91	396	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
98) tert-Butylbenzene	0.000		0	N.D.		
101) 1,2,4-Trimethylbenzene	11.846	105	333	N.D.		
102) sec-Butylbenzene	11.846	105	333	N.D.		
103) p-Isopropyltoluene	0.000		0	N.D.	d	
104) 1,3-Dichlorobenzene	12.153	146	77	N.D.		
105) 1,4-Dichlorobenzene	12.153	146	77	N.D.		
107) n-Butylbenzene	12.438	91	310	N.D.		
108) 1,2-Dichlorobenzene	12.584	146	70	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	14.004	180	86	N.D.		
114) Naphthalene	14.283	128	65	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A14.D
Acq On : 08 May 2025 01:01 pm
Operator : VOA122:MJV
Sample : L2525831-03,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 11 06:59:04 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

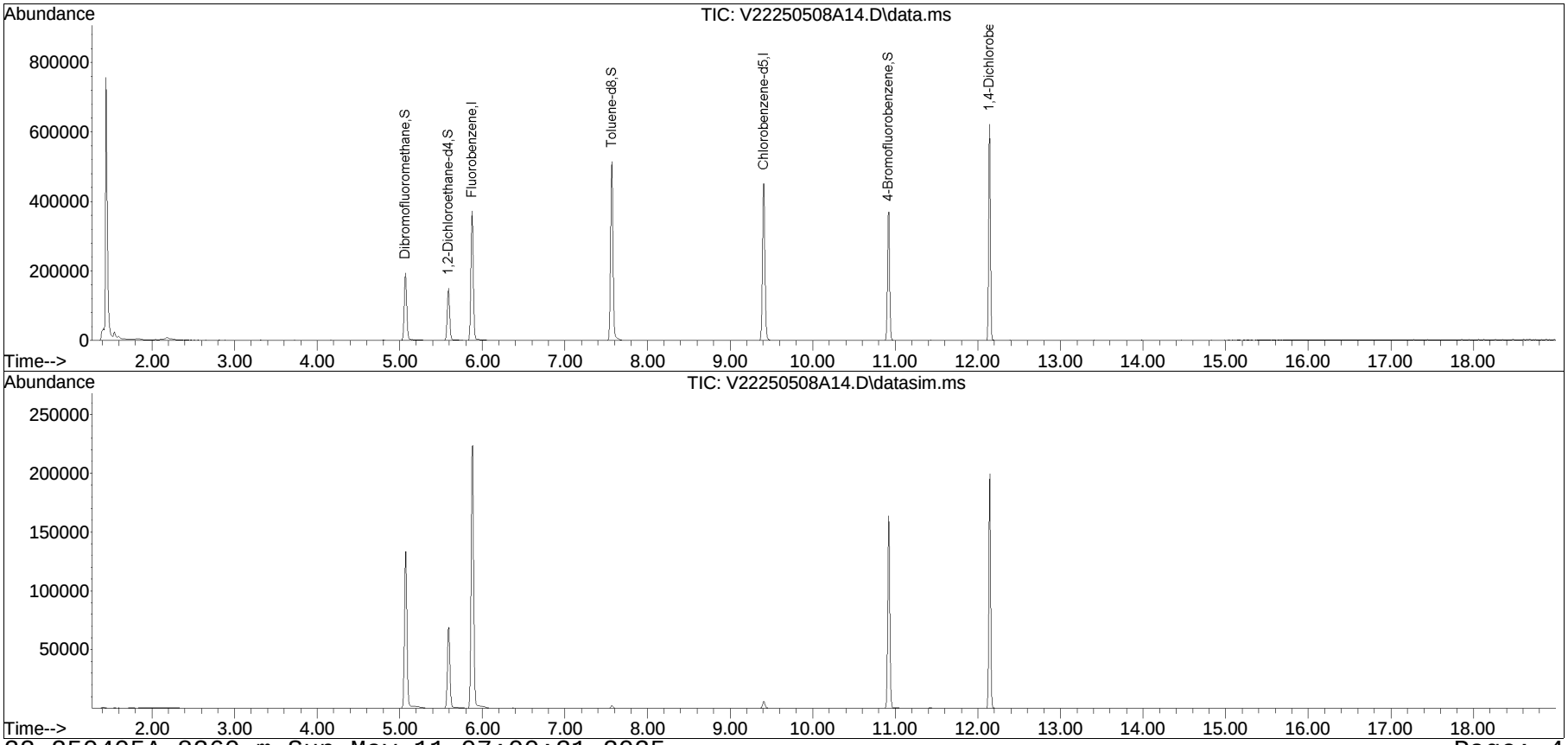
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A14.D
Acq On : 08 May 2025 01:01 pm
Operator : VOA122:MJV
Sample : L2525831-03,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 11 06:59:04 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0508A02.D•



Manual Integration Report

Data Path	: K:\VOA122\2025\250508A\	QMethod	: V122_250405A_8260.m
Data File	: V22250508A14.D	Operator	: VOA122:MJV
Date Inj'd	: 5/8/2025 1:01 pm	Instrument	: VOA 122
Sample	: L2525831-03,31,10,10,,A	Quant Date	: 5/11/2025 6:20 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A15.D
Acq On : 08 May 2025 01:25 pm
Operator : VOA122:MJV
Sample : L2525831-04,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 11 06:59:10 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	362470	10.000	ug/L	0.00
Standard Area 1 = 405024			Recovery = 89.49%			
62) Chlorobenzene-d5	9.407	117	315007	10.000	ug/L	0.00
Standard Area 1 = 348411			Recovery = 90.41%			
83) 1,4-Dichlorobenzene-d4	12.138	152	165835	10.000	ug/L	0.00
Standard Area 1 = 191325			Recovery = 86.68%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.068	113	123346	12.372	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.72%			
46) 1,2-Dichloroethane-d4	5.590	65	110600	10.060	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.60%			
63) Toluene-d8	7.568	98	396859	9.322	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.22%			
87) 4-Bromofluorobenzene	10.921	95	125875	8.257	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.57%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.142	94	101	N.D.		
6) Chloroethane	2.189	64	72	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.895	76	198	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.436	43	3294	3.171	ug/L	95
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A15.D
Acq On : 08 May 2025 01:25 pm
Operator : VOA122:MJV
Sample : L2525831-04,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 11 06:59:10 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2-Butanone	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
50) Methyl cyclohexane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	8.083	166	83		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.407	91	354		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
89) n-Propylbenzene	10.921	91	362		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	12.152	146	231		N.D.	
105) 1,4-Dichlorobenzene	12.152	146	231		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	0.000		0		N.D.	

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

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A15.D
Acq On : 08 May 2025 01:25 pm
Operator : VOA122:MJV
Sample : L2525831-04,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 11 06:59:10 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

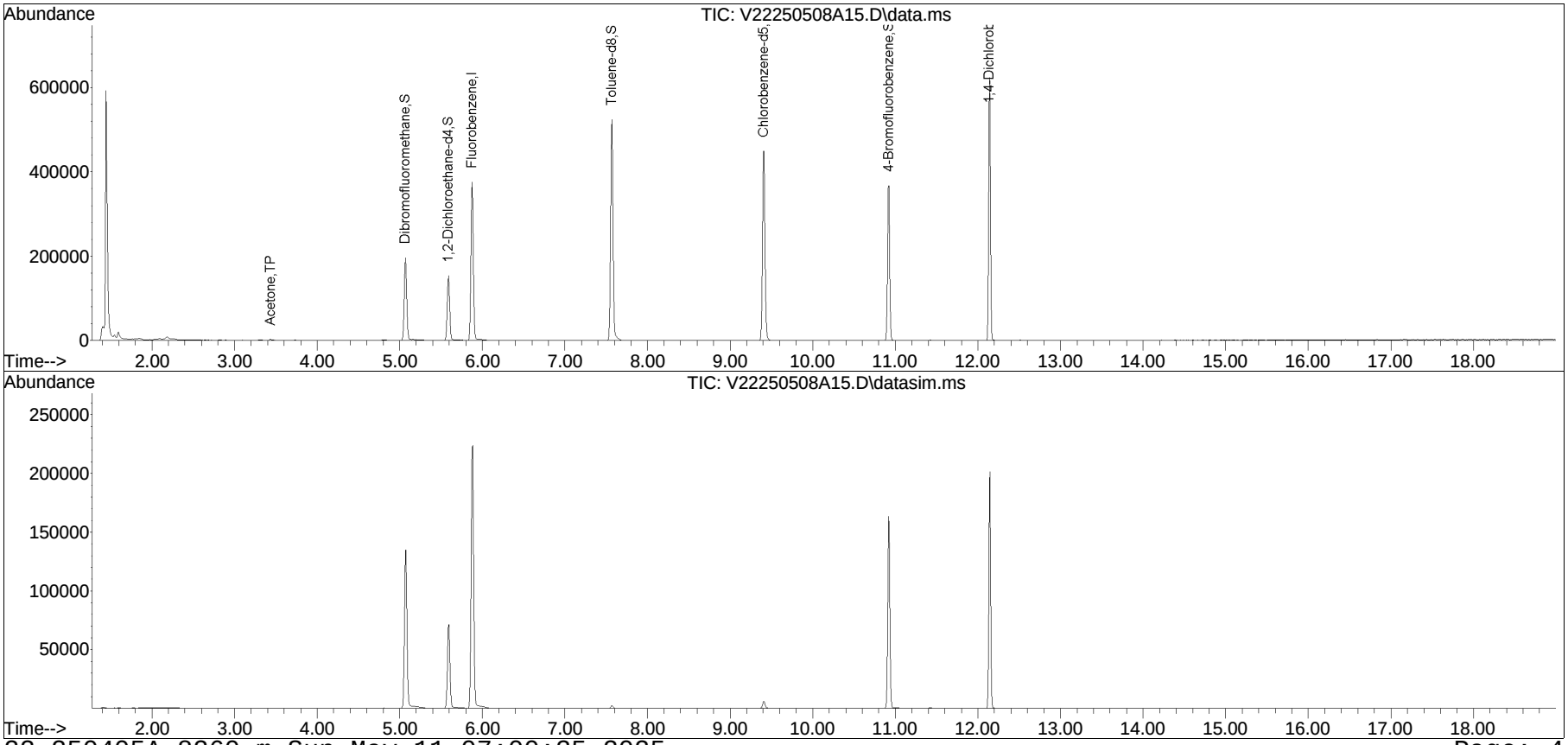
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

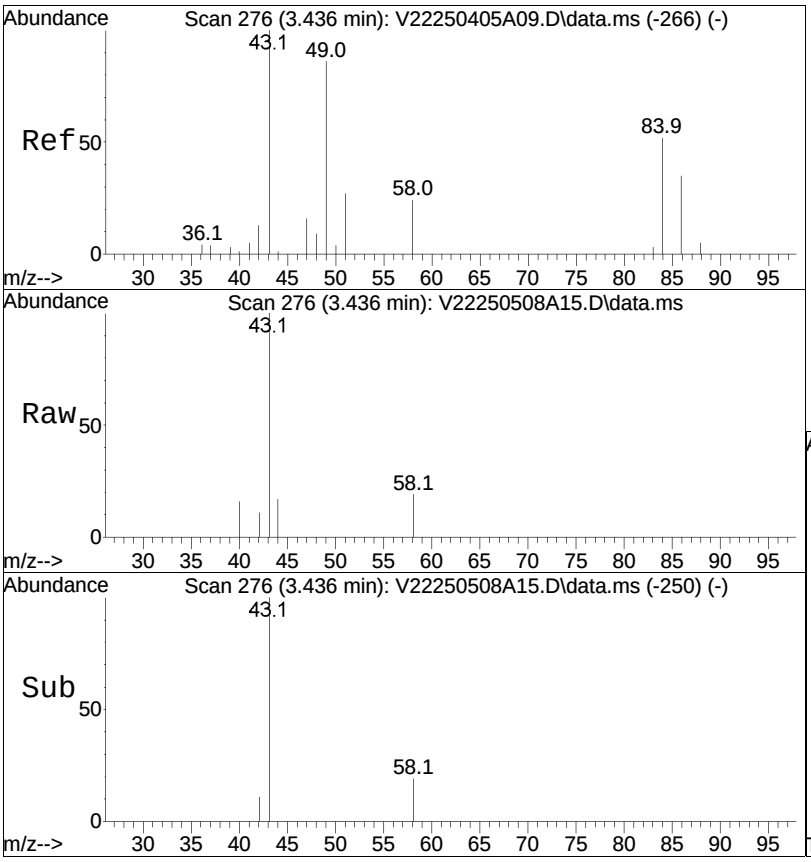
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A15.D
Acq On : 08 May 2025 01:25 pm
Operator : VOA122:MJV
Sample : L2525831-04,31,10,10,,A
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 11 06:59:10 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0508A02.D•

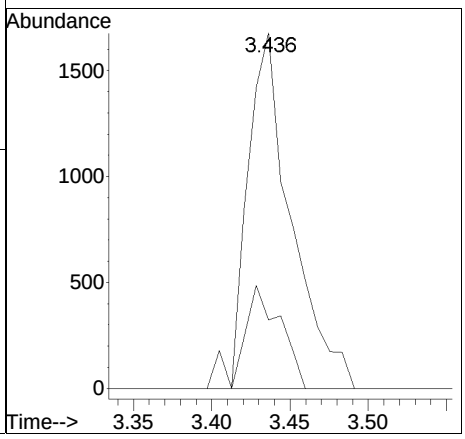




#17
Acetone
Concen: 3.17 ug/L
RT: 3.436 min Scan# 276
Delta R.T. 0.000 min
Lab File: V22250508A15.D
Acq: 08 May 2025 01:25 pm

Tgt Ion: 43 Resp: 3294

Ion	Ratio	Lower	Upper
43	100		
58	22.4	20.0	30.0



Manual Integration Report

Data Path	: K:\VOA122\2025\250508A\	QMethod	: V122_250405A_8260.m
Data File	: V22250508A15.D	Operator	: VOA122:MJV
Date Inj'd	: 5/8/2025 1:25 pm	Instrument	: VOA 122
Sample	: L2525831-04,31,10,10,,A	Quant Date	: 5/11/2025 6:21 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A16.D
Acq On : 08 May 2025 01:49 pm
Operator : VOA122:MJV
Sample : l2525831-05D,31,1.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 11 06:59:16 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	390204	10.000	ug/L	0.00
Standard Area 1 = 405024			Recovery = 96.34%			
62) Chlorobenzene-d5	9.407	117	334779	10.000	ug/L	0.00
Standard Area 1 = 348411			Recovery = 96.09%			
83) 1,4-Dichlorobenzene-d4	12.139	152	182590	10.000	ug/L	0.00
Standard Area 1 = 191325			Recovery = 95.43%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.069	113	128349	11.959	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.59%			
46) 1,2-Dichloroethane-d4	5.591	65	115423	9.753	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.53%			
63) Toluene-d8	7.569	98	419684	9.276	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.76%			
87) 4-Bromofluorobenzene	10.922	95	138234	8.236	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.428	85	76	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.142	94	169	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.895	76	1019	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.413	84	1063	0.194	ug/L #	1
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.	d	
30) cis-1,2-Dichloroethene	4.590	96	77	N.D.		
33) Cyclohexane	4.833	56	99386	8.514	ug/L	96
34) Chloroform	4.927	83	246	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A16.D
Acq On : 08 May 2025 01:49 pm
Operator : VOA122:MJV
Sample : l2525831-05D,31,1.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 11 06:59:16 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2-Butanone	5.186	43	7433M6	4.736	ug/L	
44) Benzene	5.458	78	1965	0.097	ug/L #	80
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	6.052	83	29785	3.239	ug/L	82
51) Trichloroethene	0.000		0	N.D.	d	
54) 1,2-Dichloropropane	6.644	63	70	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.624	92	40759	2.835	ug/L	95
65) 4-Methyl-2-pentanone	8.055	58	1560M1	2.582	ug/L	
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	9.071	43	4809	2.265	ug/L	98
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.470	91	1941801	69.734	ug/L	94
80) p/m Xylene	9.660	106	76221	7.289	ug/L	89
81) o Xylene	10.207	106	32926	3.283	ug/L	93
82) Styrene	0.000		0	N.D.	d	
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.599	105	29428	1.011	ug/L	99
89) n-Propylbenzene	11.083	91	145792	4.194	ug/L	92
91) 1,1,2,2-Tetrachloroethane	11.181	83	74	N.D.		
94) 1,3,5-Trimethylbenzene	11.315	105	25130	1.120	ug/L	98
98) tert-Butylbenzene	0.000		0	N.D.	d	
101) 1,2,4-Trimethylbenzene	11.735	105	2186366	87.973	ug/L	98
102) sec-Butylbenzene	0.000		0	N.D.	d	
103) p-Isopropyltoluene	12.007	119	2481	0.356	ug/L	95
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
107) n-Butylbenzene	12.438	91	7243	0.339	ug/L #	79
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.297	128	101968	7.281	ug/L	100

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

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A16.D
Acq On : 08 May 2025 01:49 pm
Operator : VOA122:MJV
Sample : l2525831-05D,31,1.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 11 06:59:16 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

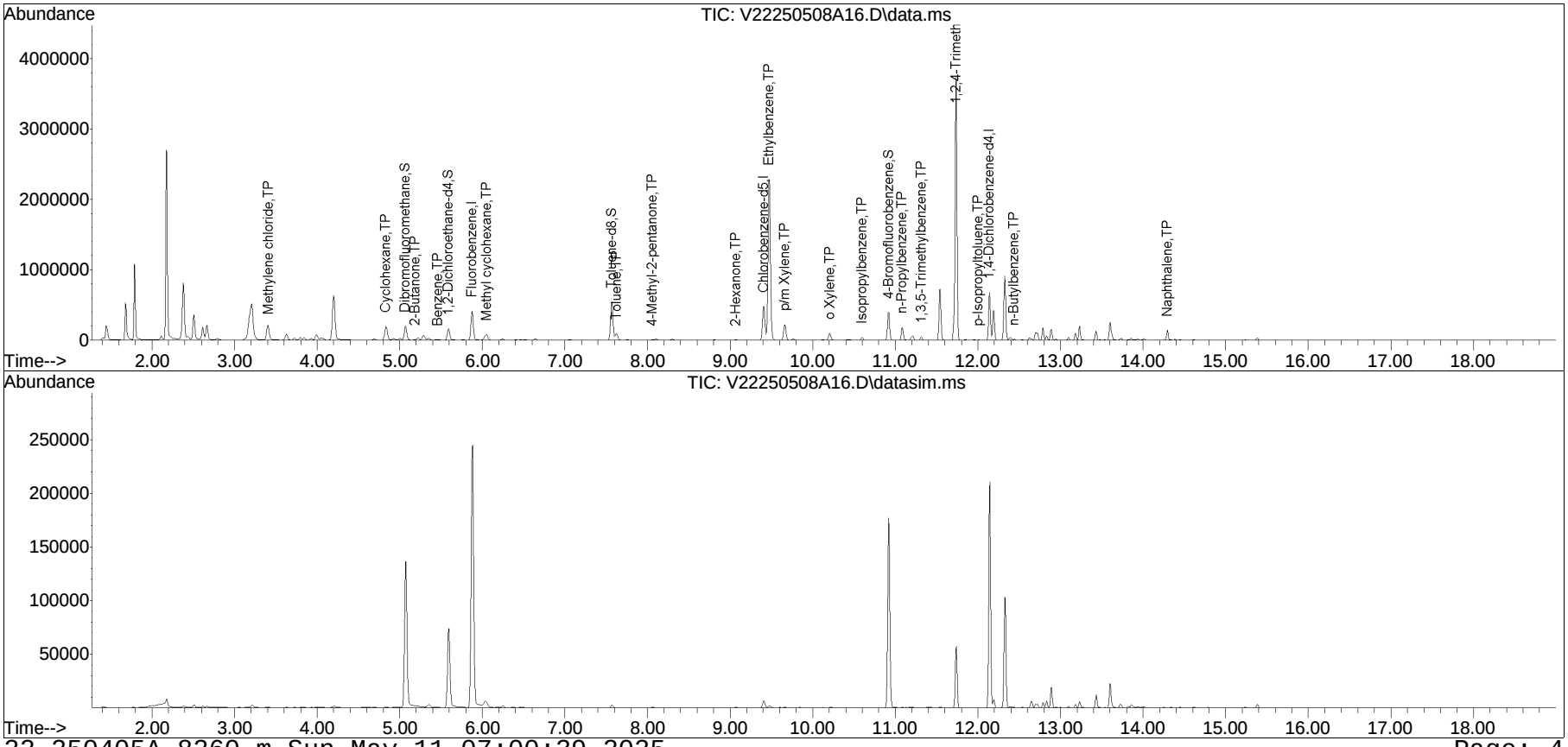
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

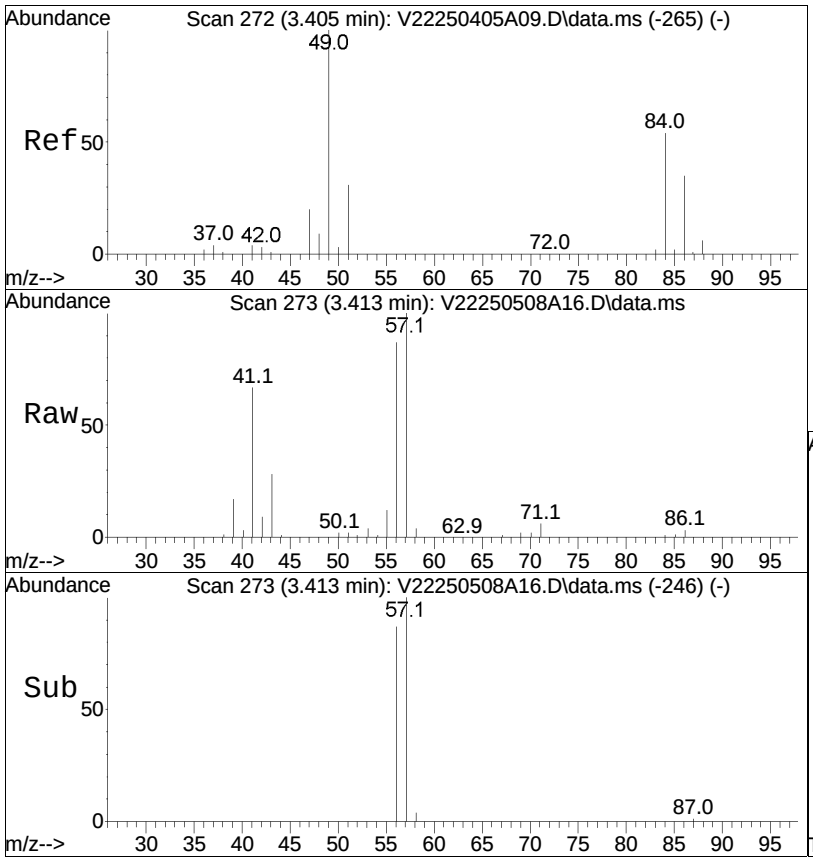
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A16.D
Acq On : 08 May 2025 01:49 pm
Operator : VOA122:MJV
Sample : l2525831-05D,31,1.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 11 06:59:16 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0508A02.D•

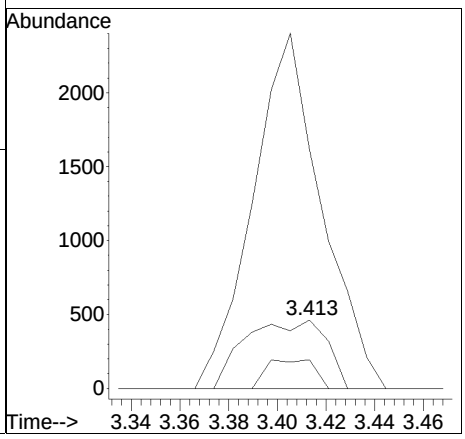


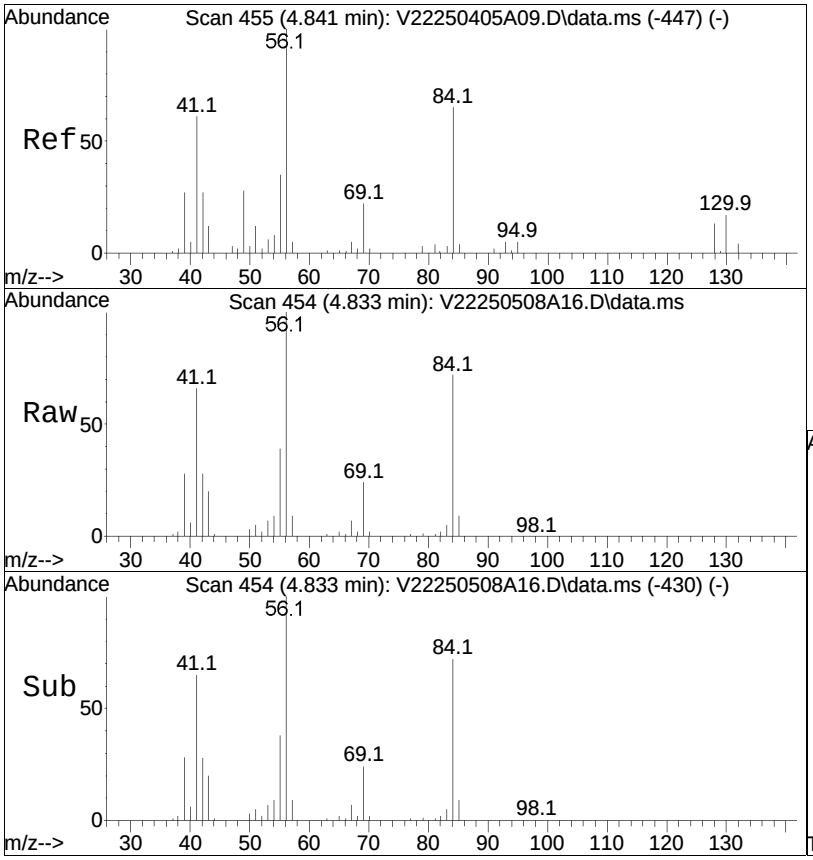


#15
Methylene chloride
Concen: 0.19 ug/L
RT: 3.413 min Scan# 273
Delta R.T. 0.008 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 84 Resp: 1063

Ion	Ratio	Lower	Upper
84	100		
86	443.4	42.3	87.9#
49	24.9	121.1	251.5#

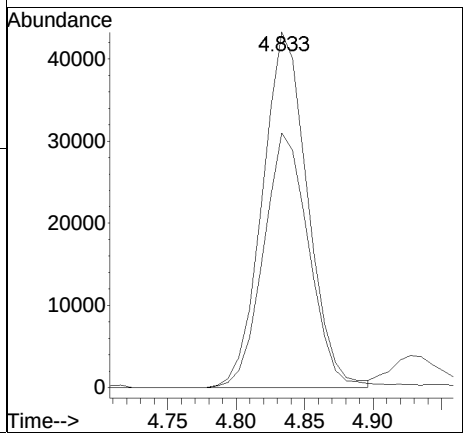


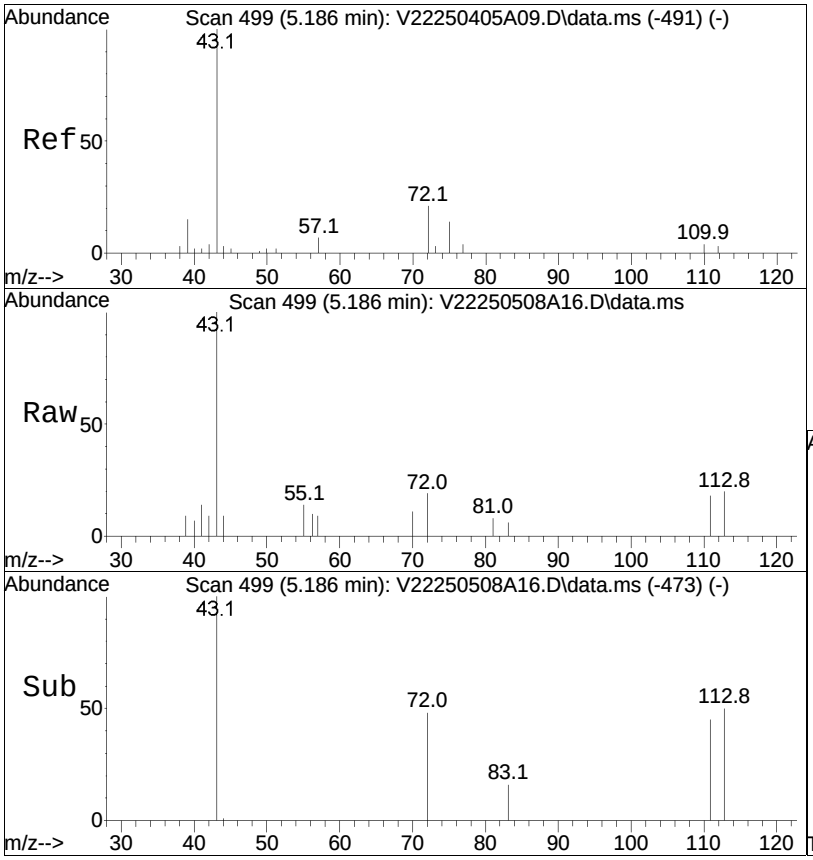


#33
Cyclohexane
Concen: 8.51 ug/L
RT: 4.833 min Scan# 454
Delta R.T. -0.008 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 56 Resp: 99386

Ion	Ratio	Lower	Upper
56	100		
84	72.4	44.9	93.3

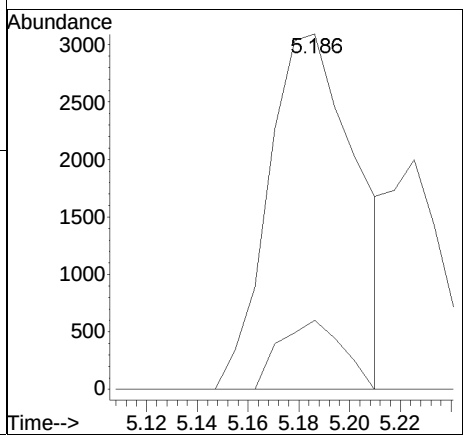


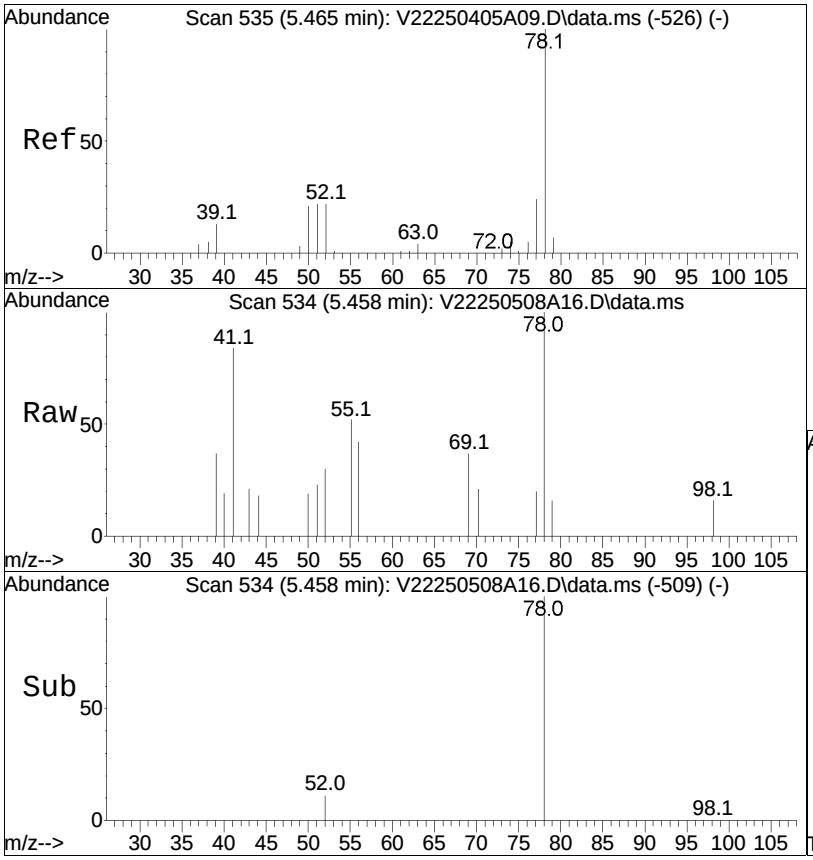


#41
2-Butanone
Concen: 4.74 ug/L M6
RT: 5.186 min Scan# 499
Delta R.T. 0.000 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 43 Resp: 7433

Ion	Ratio	Lower	Upper
43	100		
72	13.9	10.9	16.3

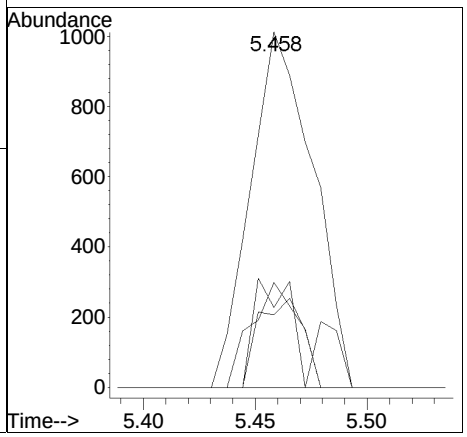


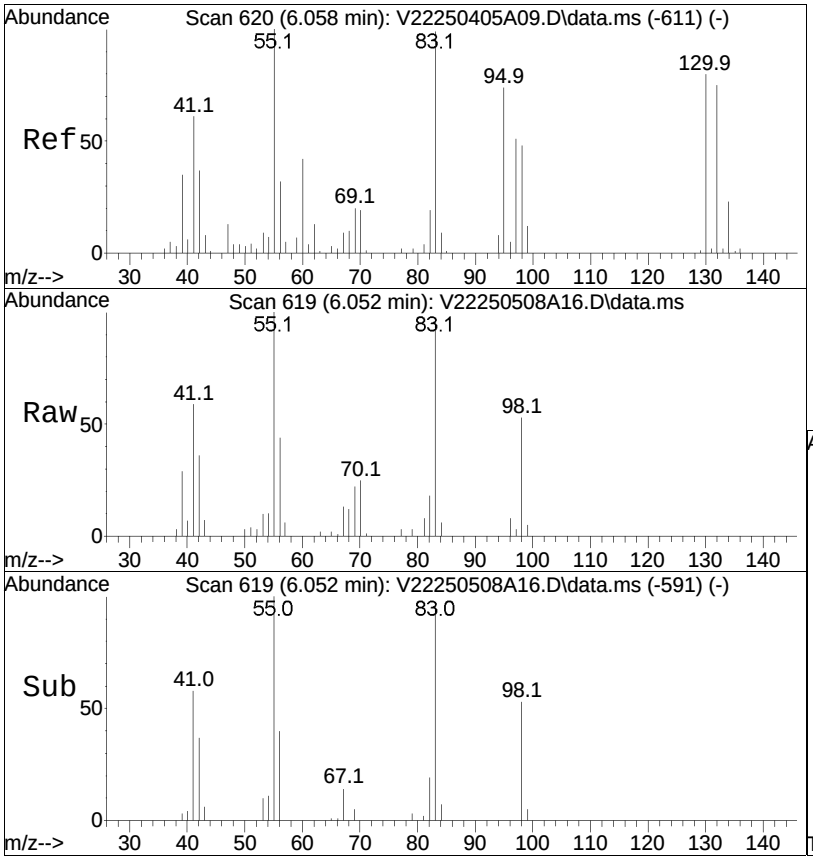


#44
Benzene
Concen: 0.10 ug/L
RT: 5.458 min Scan# 534
Delta R.T. -0.007 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 78 Resp: 1965

Ion	Ratio	Lower	Upper
78	100		
77	17.9	15.5	32.3
51	0.0	14.9	30.9#
52	22.4	14.7	30.5

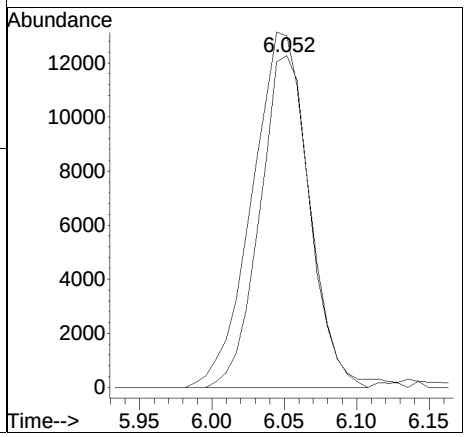


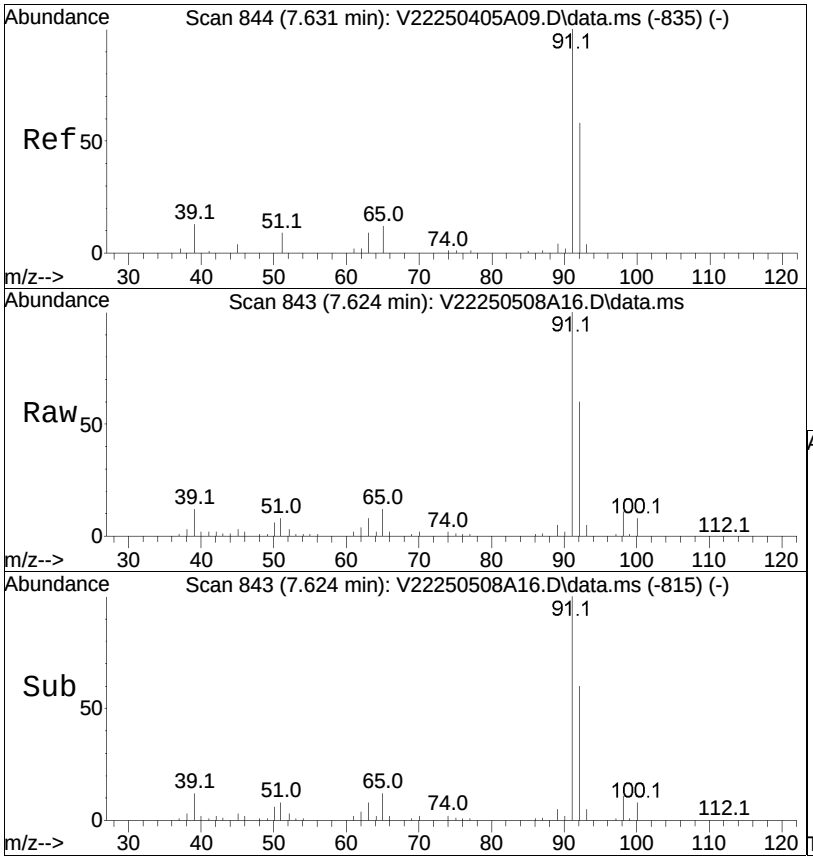


#50
Methyl cyclohexane
Concen: 3.24 ug/L
RT: 6.052 min Scan# 619
Delta R.T. -0.006 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 83 Resp: 29785

Ion	Ratio	Lower	Upper
83	100		
55	120.7	81.9	122.9

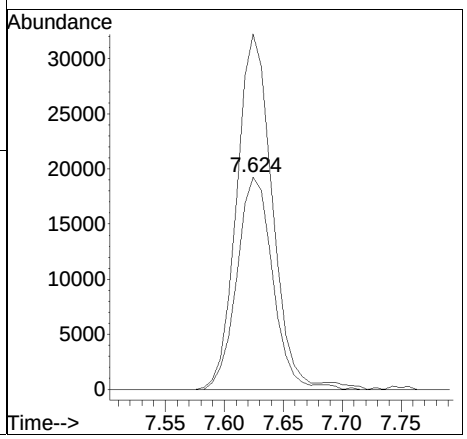


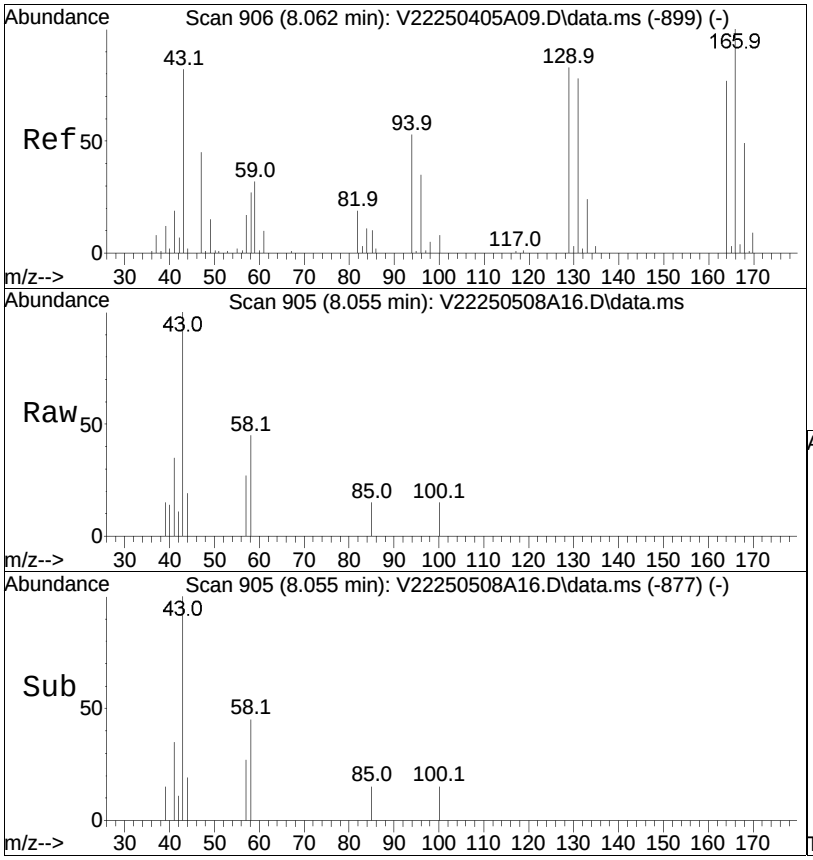


#64
Toluene
Concen: 2.84 ug/L
RT: 7.624 min Scan# 843
Delta R.T. -0.007 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 92 Resp: 40759

Ion	Ratio	Lower	Upper
92	100		
91	166.9	139.3	208.9

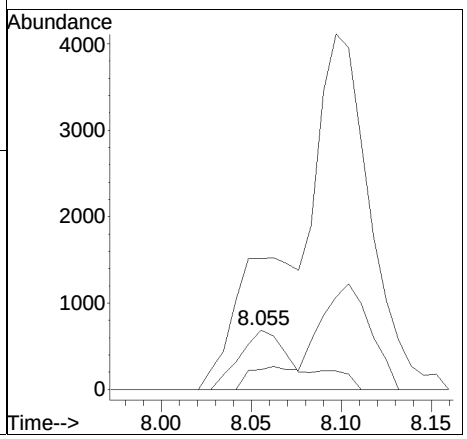


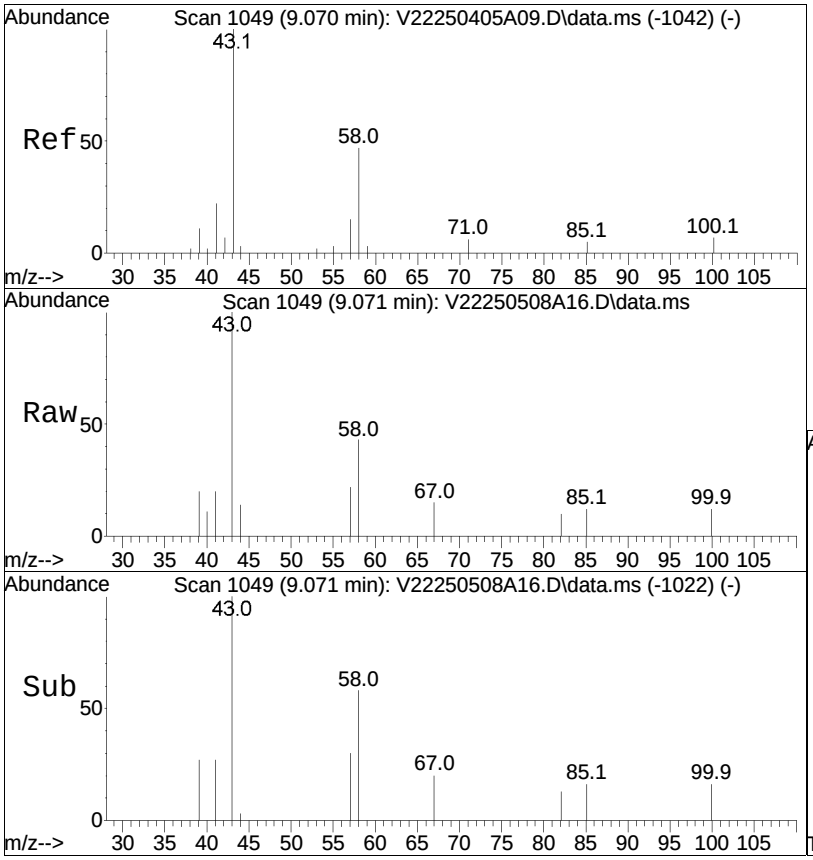


#65
4-Methyl-2-pentanone
Concen: 2.58 ug/L M1
RT: 8.055 min Scan# 905
Delta R.T. -0.007 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 58 Resp: 1560

Ion	Ratio	Lower	Upper
58	100		
100	0.0	22.6	33.8#
43	206.5	243.1	364.7#

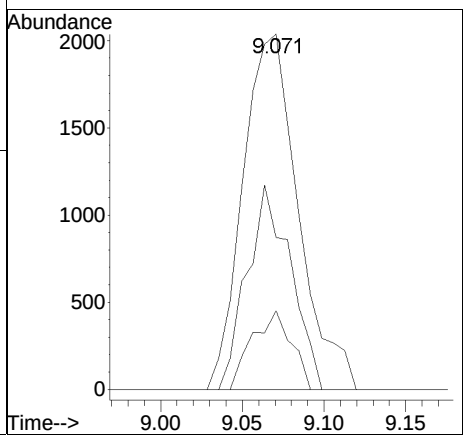


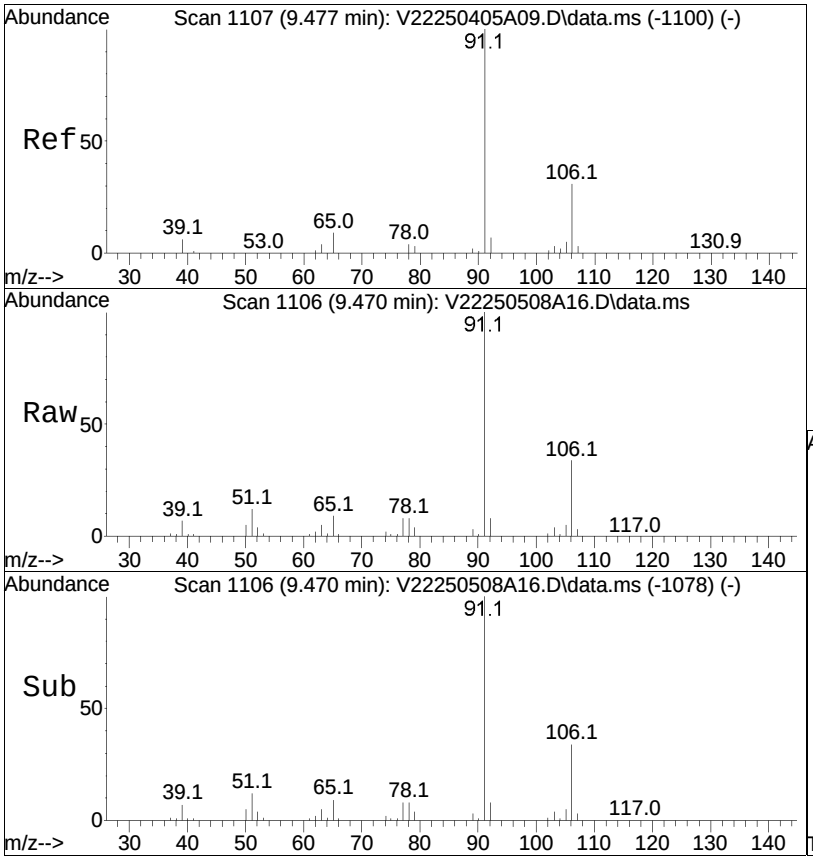


#76
2-Hexanone
Concen: 2.27 ug/L
RT: 9.071 min Scan# 1049
Delta R.T. 0.001 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 43 Resp: 4809

Ion	Ratio	Lower	Upper
43	100		
58	45.1	37.0	55.6
57	15.7	11.9	17.9

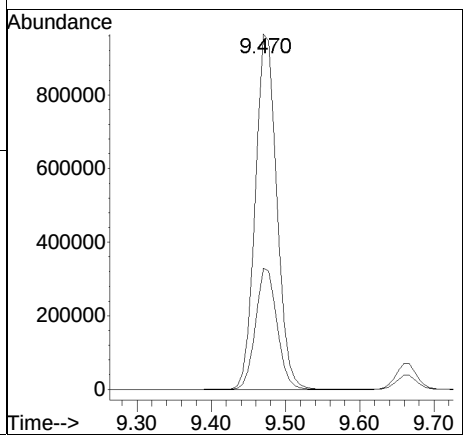


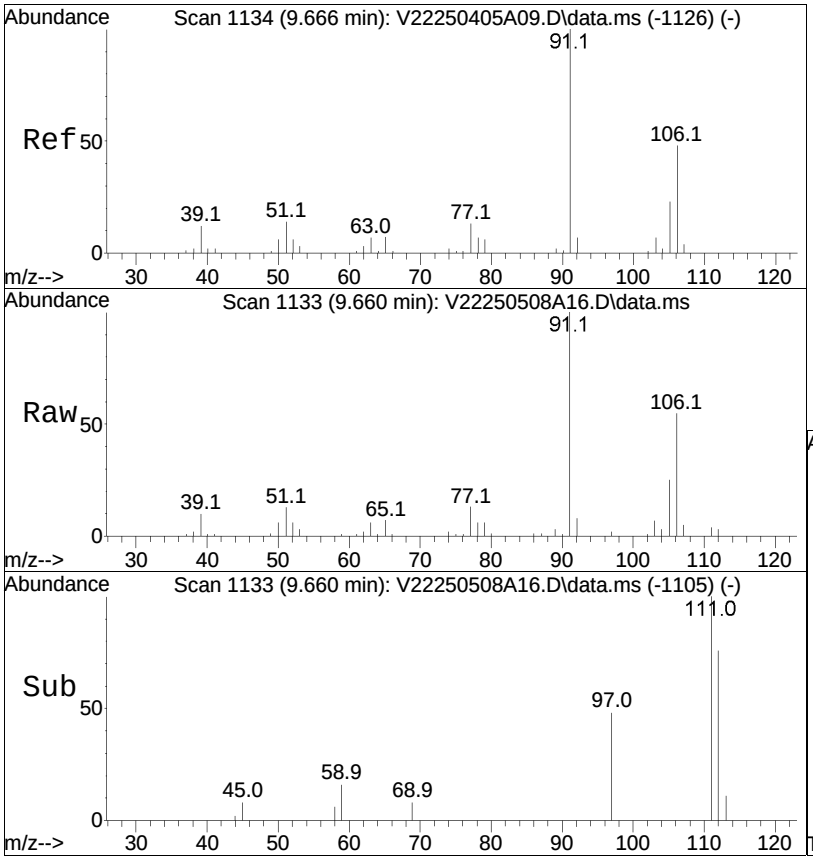


#78
Ethylbenzene
Concen: 69.73 ug/L
RT: 9.470 min Scan# 1106
Delta R.T. -0.007 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 91 Resp: 1941801

Ion	Ratio	Lower	Upper
91	100		
106	34.0	24.7	37.1

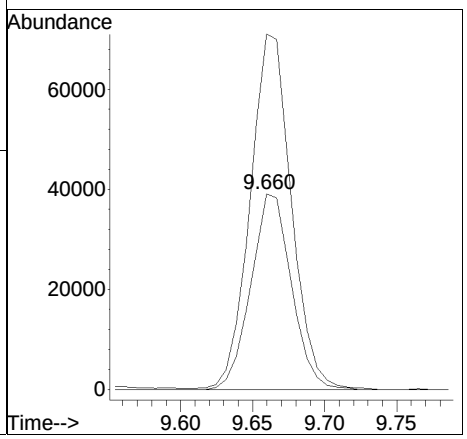


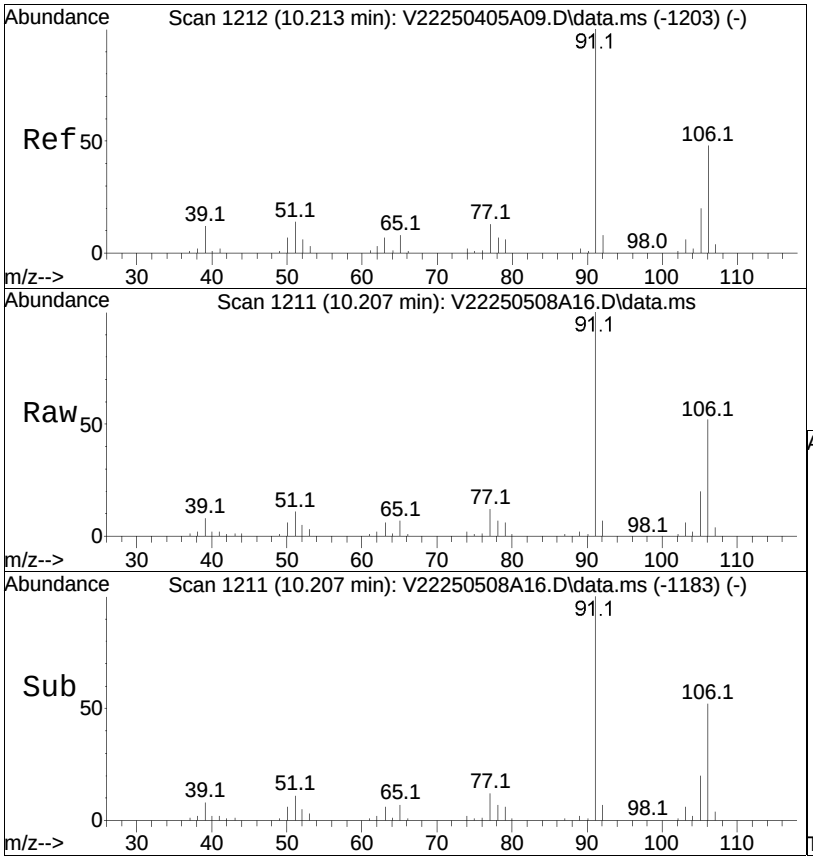


#80
p/m Xylene
Concen: 7.29 ug/L
RT: 9.660 min Scan# 1133
Delta R.T. -0.006 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion:106 Resp: 76221

Ion	Ratio	Lower	Upper
106	100		
91	184.9	160.9	241.3

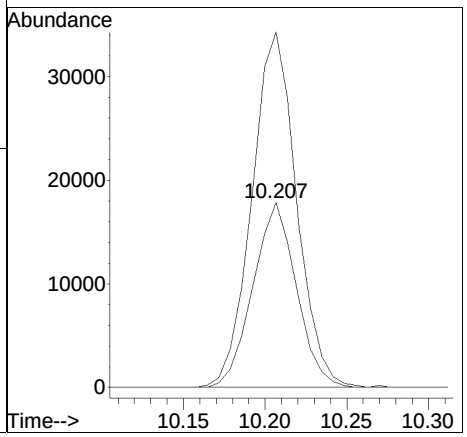


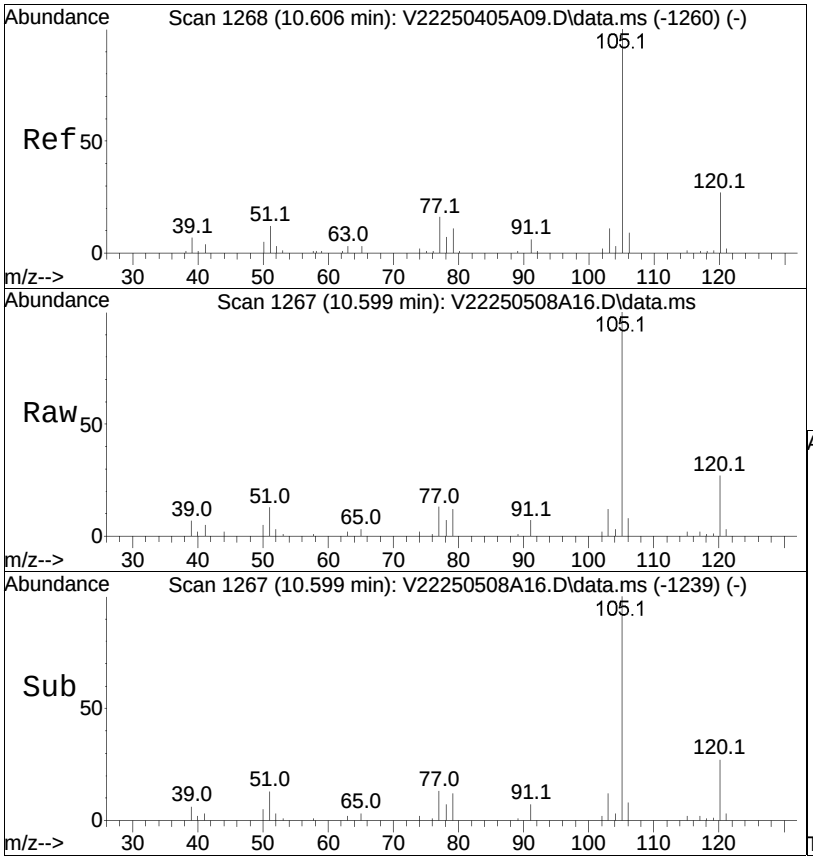


#81
o Xylene
Concen: 3.28 ug/L
RT: 10.207 min Scan# 1211
Delta R.T. -0.006 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion:106 Resp: 32926

Ion	Ratio	Lower	Upper
106	100		
91	198.2	167.8	251.6

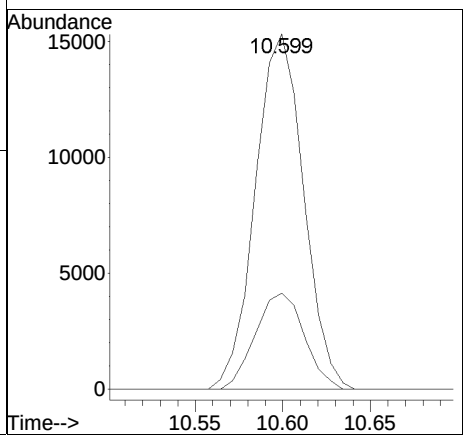


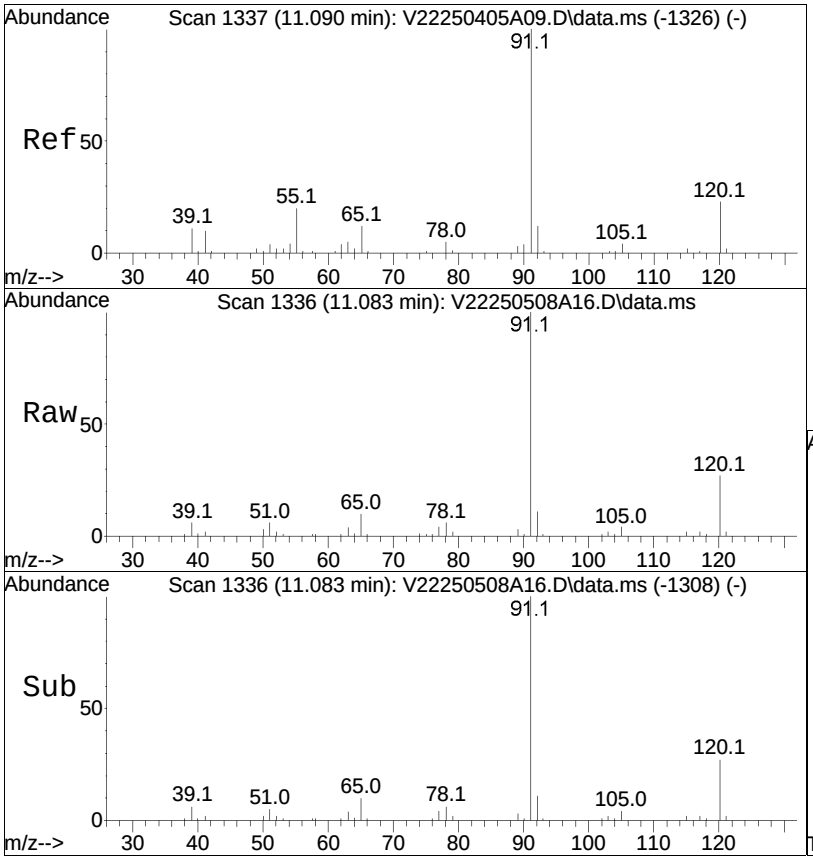


#86
Isopropylbenzene
Concen: 1.01 ug/L
RT: 10.599 min Scan# 1267
Delta R.T. -0.007 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion:105 Resp: 29428

Ion	Ratio	Lower	Upper
105	100		
120	27.5	7.0	47.0

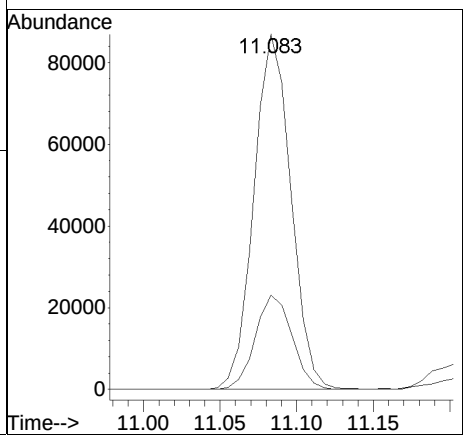


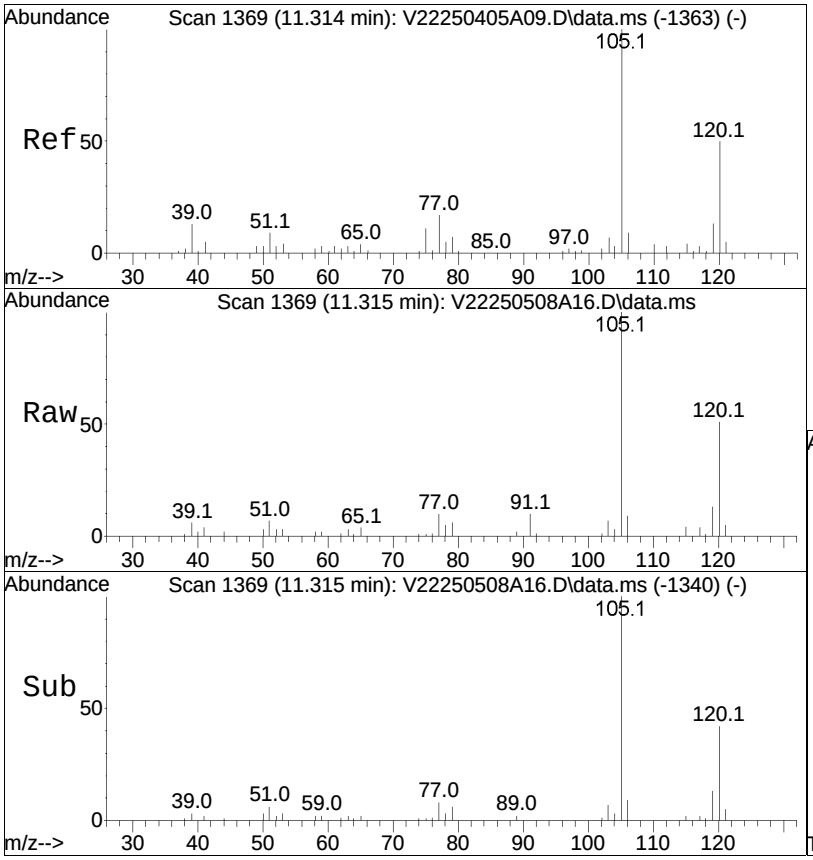


#89
n-Propylbenzene
Concen: 4.19 ug/L
RT: 11.083 min Scan# 1336
Delta R.T. -0.007 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 91 Resp: 145792

Ion	Ratio	Lower	Upper
91	100		
120	26.4	18.0	27.0

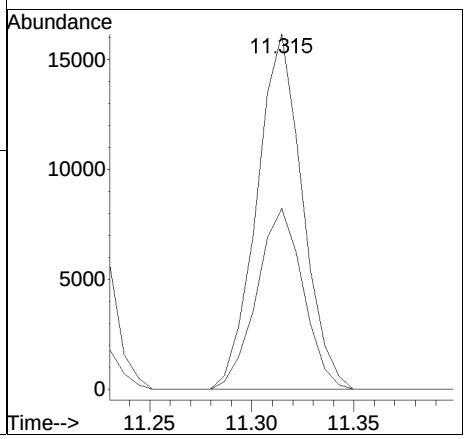


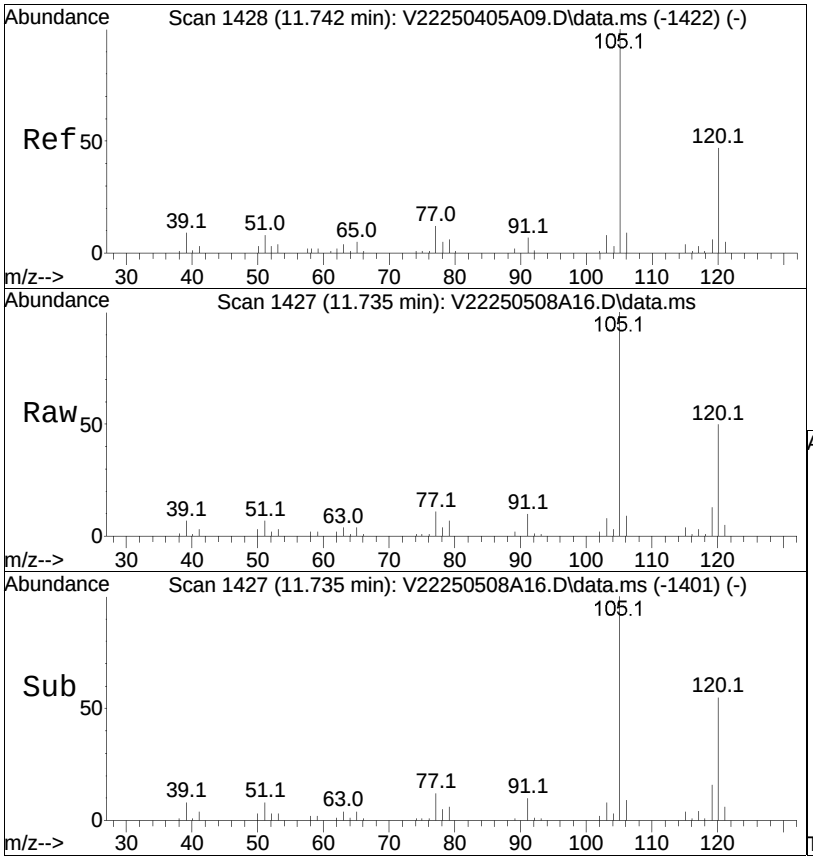


#94
1,3,5-Trimethylbenzene
Concen: 1.12 ug/L
RT: 11.315 min Scan# 1369
Delta R.T. 0.001 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion:105 Resp: 25130

Ion	Ratio	Lower	Upper
105	100		
120	51.8	40.2	60.2

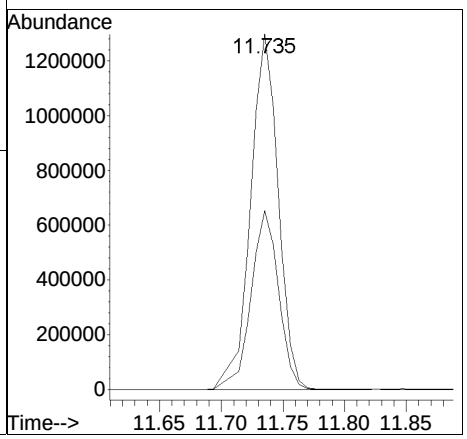


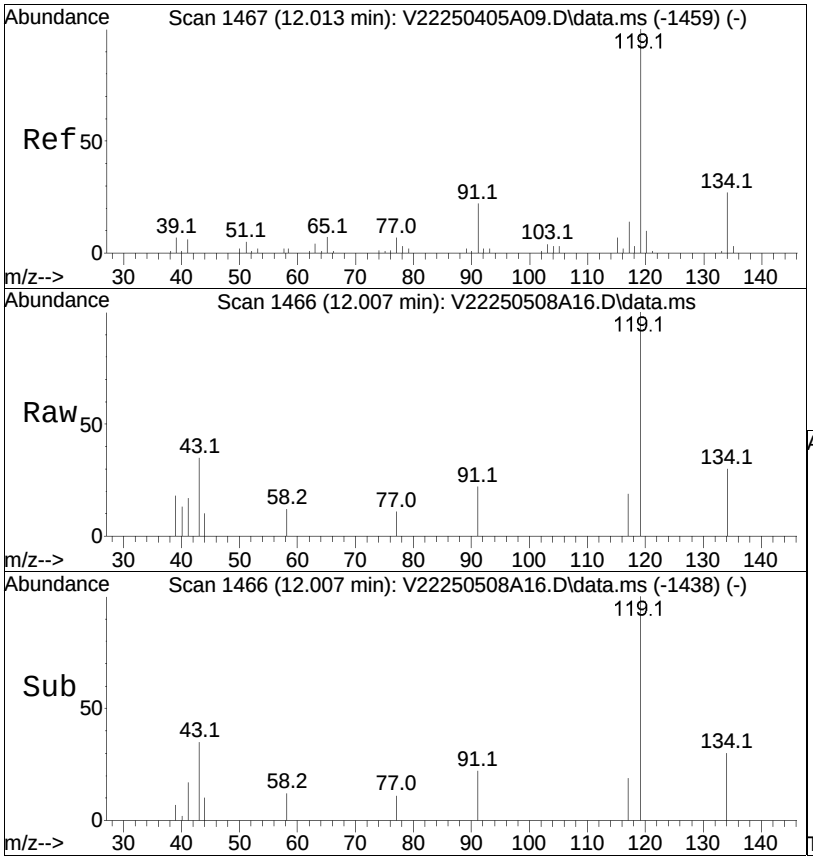


#101
1,2,4-Trimethylbenzene
Concen: 87.97 ug/L
RT: 11.735 min Scan# 1427
Delta R.T. -0.007 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion:105 Resp: 2186366

Ion	Ratio	Lower	Upper
105	100		
120	49.7	38.6	58.0

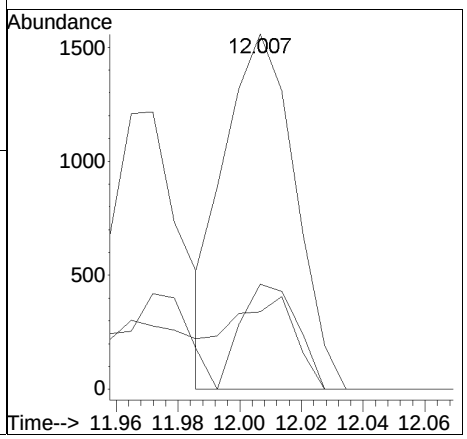


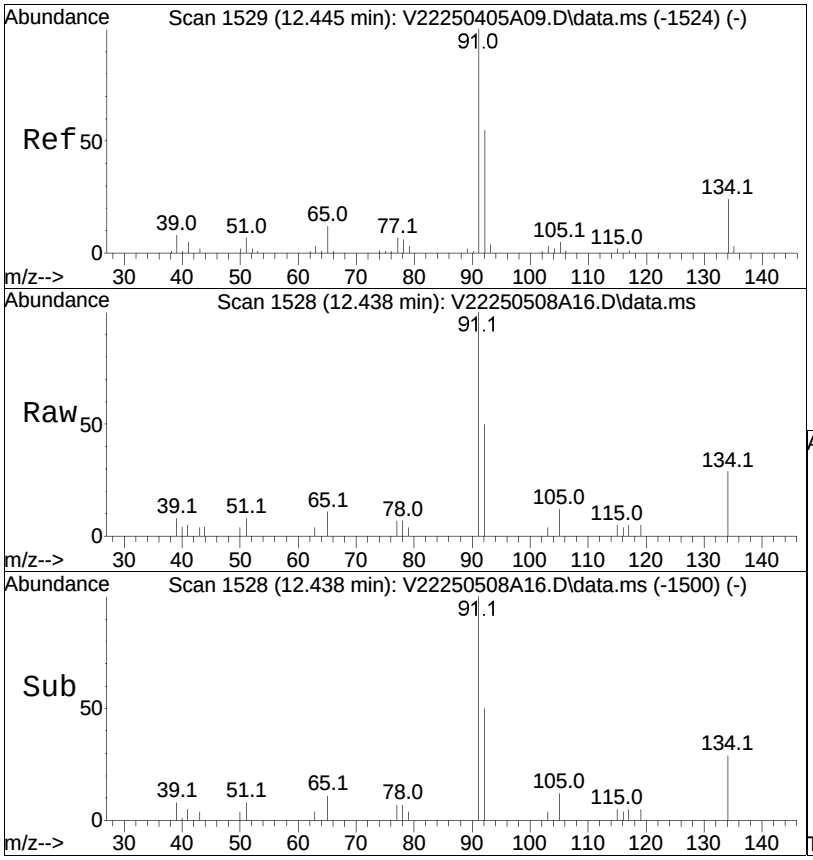


#103
p-Isopropyltoluene
Concen: 0.36 ug/L
RT: 12.007 min Scan# 1466
Delta R.T. -0.006 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion:119 Resp: 2481

Ion	Ratio	Lower	Upper
119	100		
134	23.8	17.2	35.8
91	24.8	14.8	30.6

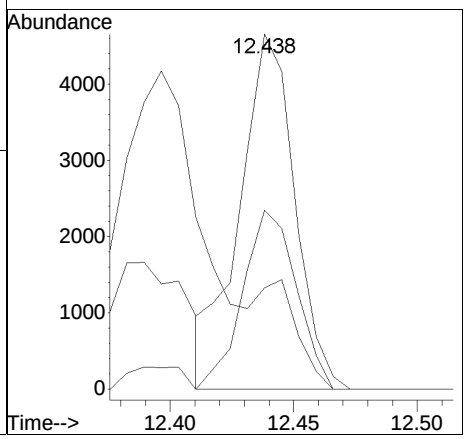


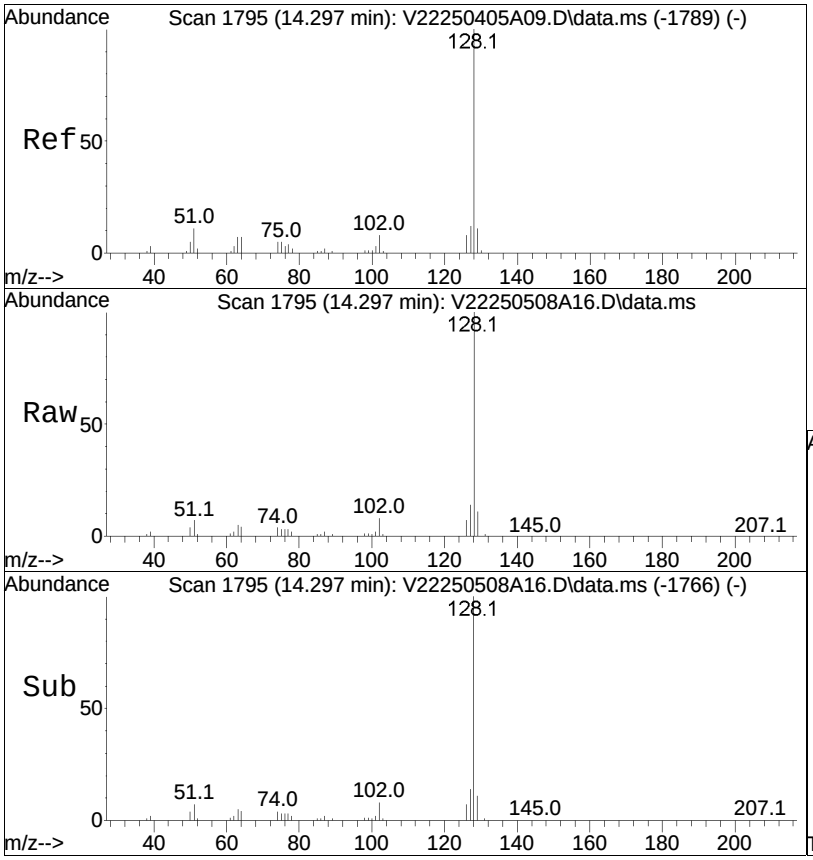


#107
n-Butylbenzene
Concen: 0.34 ug/L
RT: 12.438 min Scan# 1528
Delta R.T. -0.007 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

Tgt Ion: 91 Resp: 7243

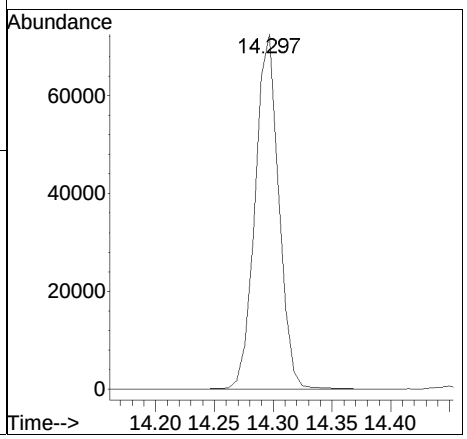
Ion	Ratio	Lower	Upper
91	100		
92	49.0	43.2	64.8
134	0.0	20.7	31.1#





#114
Naphthalene
Concen: 7.28 ug/L
RT: 14.297 min Scan# 1795
Delta R.T. -0.000 min
Lab File: V22250508A16.D
Acq: 08 May 2025 01:49 pm

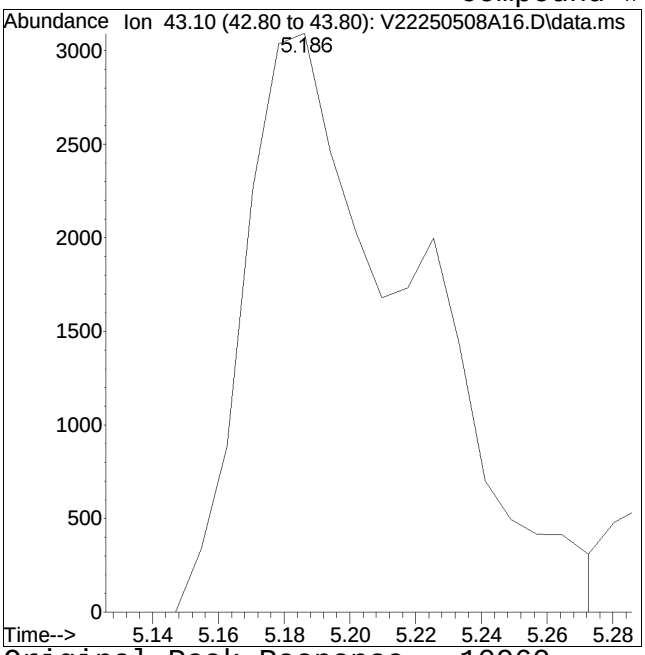
Tgt Ion:128 Resp: 101968



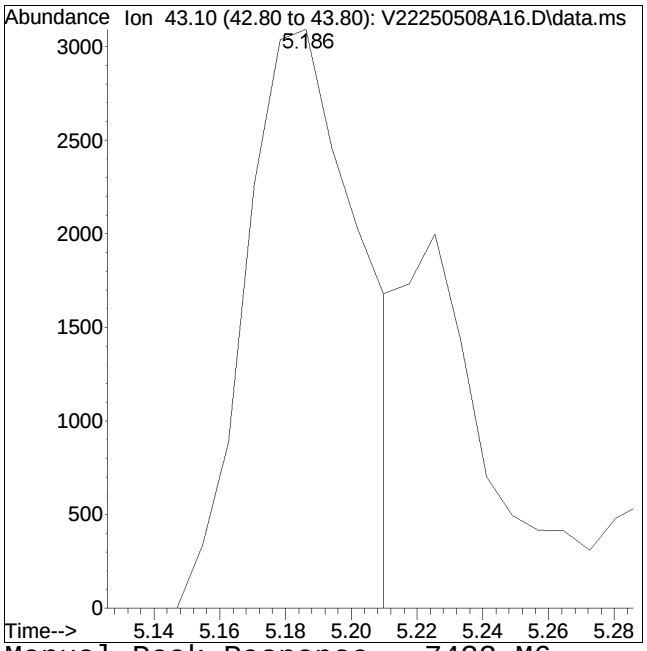
Manual Integration Report

Data Path : K:\VOA122\2025\250508A\ QMethod : V122_250405A_8260.m
Data File : V22250508A16.D Operator : VOA122:MJV
Date Inj'd : 5/8/2025 1:49 pm Instrument : VOA 122
Sample : l2525831-05D,31,1.0,10,,a Quant Date : 5/11/2025 6:21 am

Compound #41: 2-Butanone



Original Peak Response = 10960



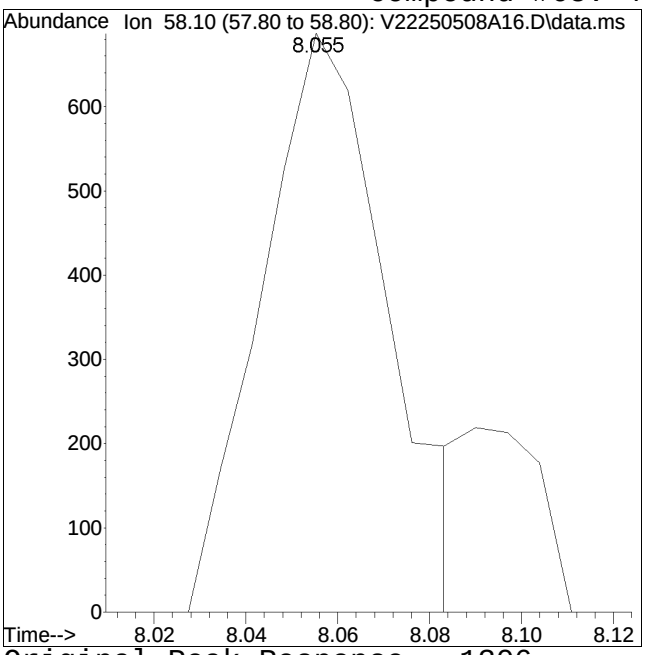
Manual Peak Response = 7433 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

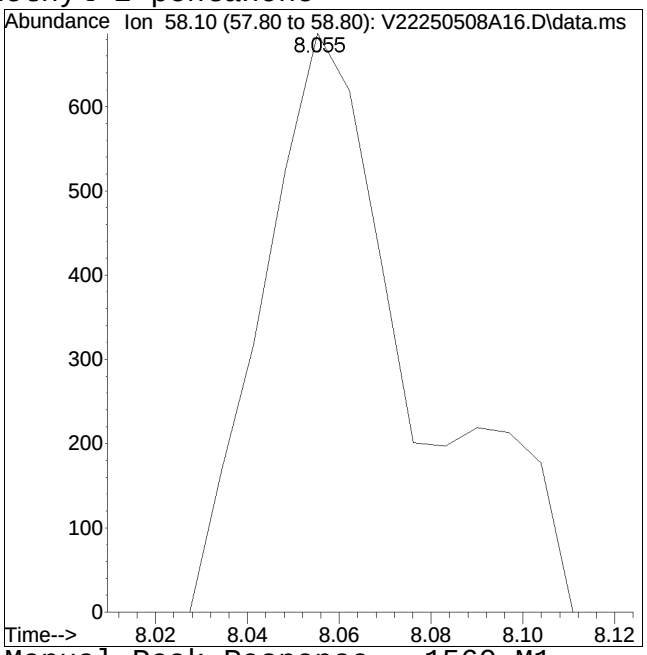
Manual Integration Report

Data Path : K:\VOA122\2025\250508A\ QMethod : V122_250405A_8260.m
Data File : V22250508A16.D Operator : VOA122:MJV
Date Inj'd : 5/8/2025 1:49 pm Instrument : VOA 122
Sample : l2525831-05D,31,1.0,10,,a Quant Date : 5/11/2025 6:21 am

Compound #65: 4-Methyl-2-pentanone



Original Peak Response = 1306



Manual Peak Response = 1560 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A17.D
Acq On : 08 May 2025 02:13 pm
Operator : VOA122:MJV
Sample : l2525831-06D,31,2.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 11 06:59:32 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.877	96	411352	10.000 ug/L	0.00
Standard Area 1 = 405024			Recovery = 101.56%		
62) Chlorobenzene-d5	9.407	117	347007	10.000 ug/L	0.00
Standard Area 1 = 348411			Recovery = 99.60%		
83) 1,4-Dichlorobenzene-d4	12.139	152	185082	10.000 ug/L	0.00
Standard Area 1 = 191325			Recovery = 96.74%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.068	113	129291	11.427 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.27%		
46) 1,2-Dichloroethane-d4	5.591	65	118930	9.533 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.33%		
63) Toluene-d8	7.569	98	431121	9.193 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.93%		
87) 4-Bromofluorobenzene	10.915	95	144901	8.517 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.17%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.413	85	173	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.142	94	248	0.097 ug/L	82
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.887	76	464	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.390	84	1173	0.203 ug/L #	1
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D. d	
30) cis-1,2-Dichloroethene	4.574	96	208	N.D.	
33) Cyclohexane	4.833	56	150617	12.240 ug/L	96
34) Chloroform	4.927	83	234	N.D.	
36) Carbon tetrachloride	0.000		0	N.D.	
39) 1,1,1-Trichloroethane	5.233	97	277	N.D.	

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A17.D
Acq On : 08 May 2025 02:13 pm
Operator : VOA122:MJV
Sample : l2525831-06D,31,2.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 11 06:59:32 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2-Butanone	0.000		0	N.D. d		
44) Benzene	5.465	78	1760	0.082	ug/L #	77
47) 1,2-Dichloroethane	5.661	62	75	N.D.		
50) Methyl cyclohexane	6.052	83	45914	4.736	ug/L	87
51) Trichloroethene	6.031	95	311	N.D.		
54) 1,2-Dichloropropane	6.644	63	174	N.D.		
57) Bromodichloromethane	6.582	83	64	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.624	92	22872	1.535	ug/L	98
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D. d		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D. d		
77) Chlorobenzene	9.589	112	295	N.D.		
78) Ethylbenzene	9.477	91	1672615	57.951	ug/L	95
80) p/m Xylene	9.660	106	811930	74.913	ug/L	89
81) o Xylene	10.207	106	42762	4.113	ug/L	92
82) Styrene	0.000		0	N.D. d		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.599	105	19557	0.663	ug/L	98
89) n-Propylbenzene	11.083	91	89426	2.538	ug/L	92
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	11.315	105	32856	1.445	ug/L	93
98) tert-Butylbenzene	0.000		0	N.D. d		
101) 1,2,4-Trimethylbenzene	11.735	105	2582940	102.530	ug/L	99
102) sec-Butylbenzene	0.000		0	N.D. d		
103) p-Isopropyltoluene	12.007	119	4591	0.432	ug/L	98
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
107) n-Butylbenzene	12.438	91	6631	0.306	ug/L #	81
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.297	128	418599	29.487	ug/L	100

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

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A17.D
Acq On : 08 May 2025 02:13 pm
Operator : VOA122:MJV
Sample : l2525831-06D,31,2.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 11 06:59:32 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

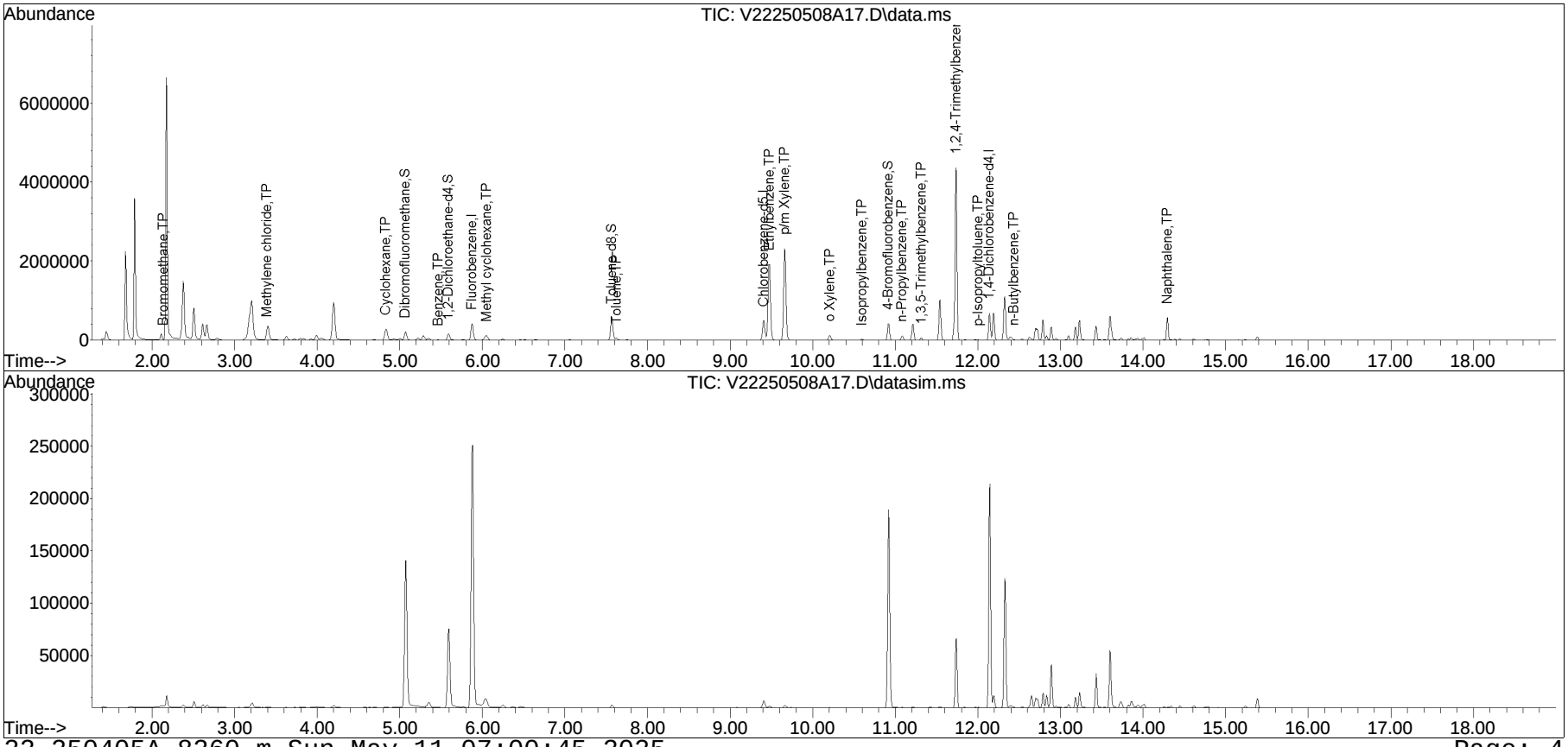
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

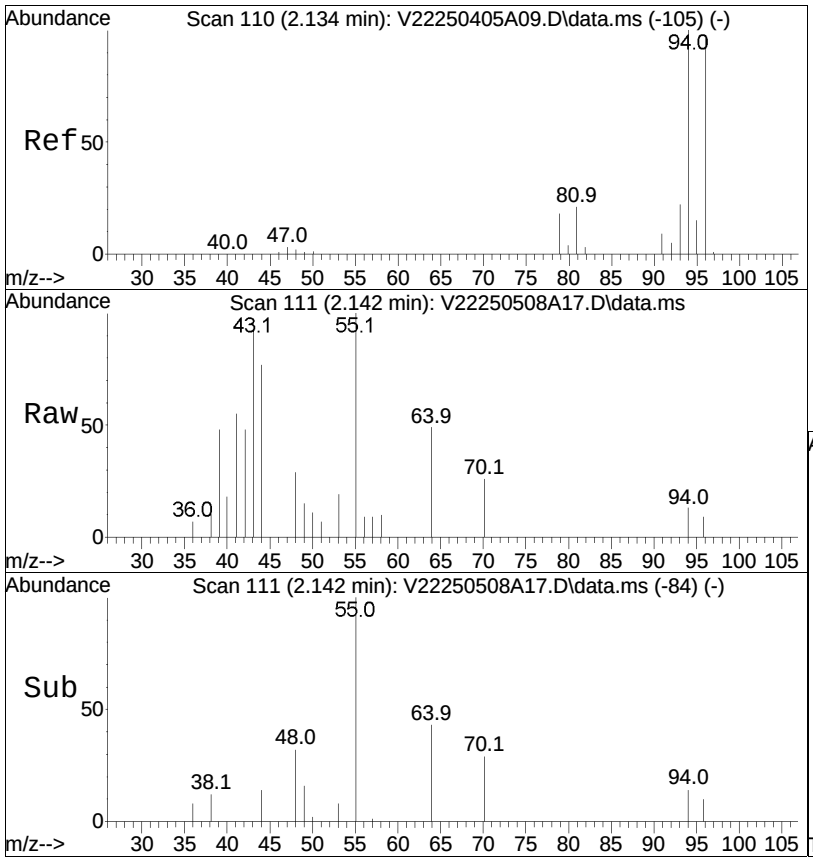
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A17.D
Acq On : 08 May 2025 02:13 pm
Operator : VOA122:MJV
Sample : l2525831-06D,31,2.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 11 06:59:32 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0508A02.D•

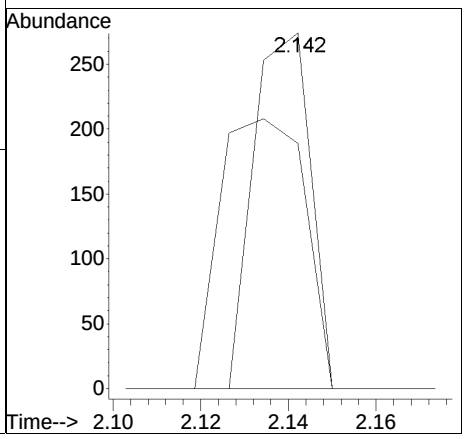


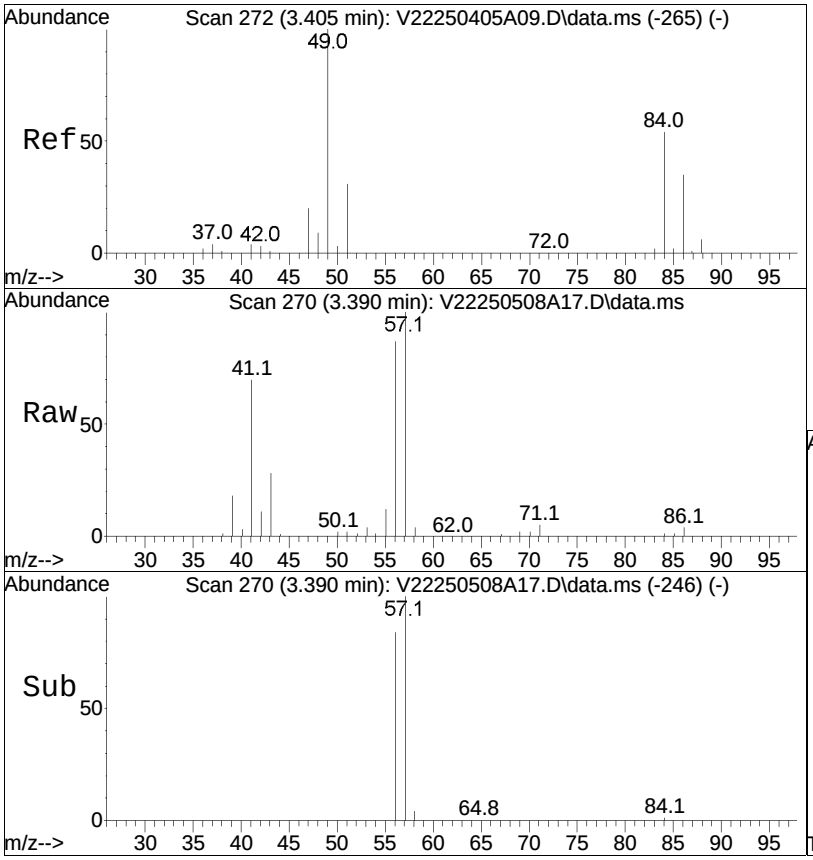


#5
Bromomethane
Concen: 0.10 ug/L
RT: 2.142 min Scan# 111
Delta R.T. 0.008 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 94 Resp: 248

Ion	Ratio	Lower	Upper
94	100		
96	112.9	75.3	115.3

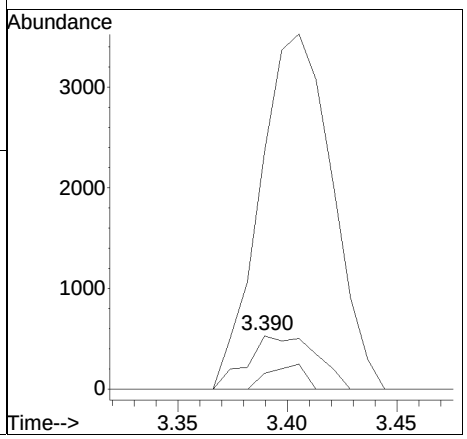


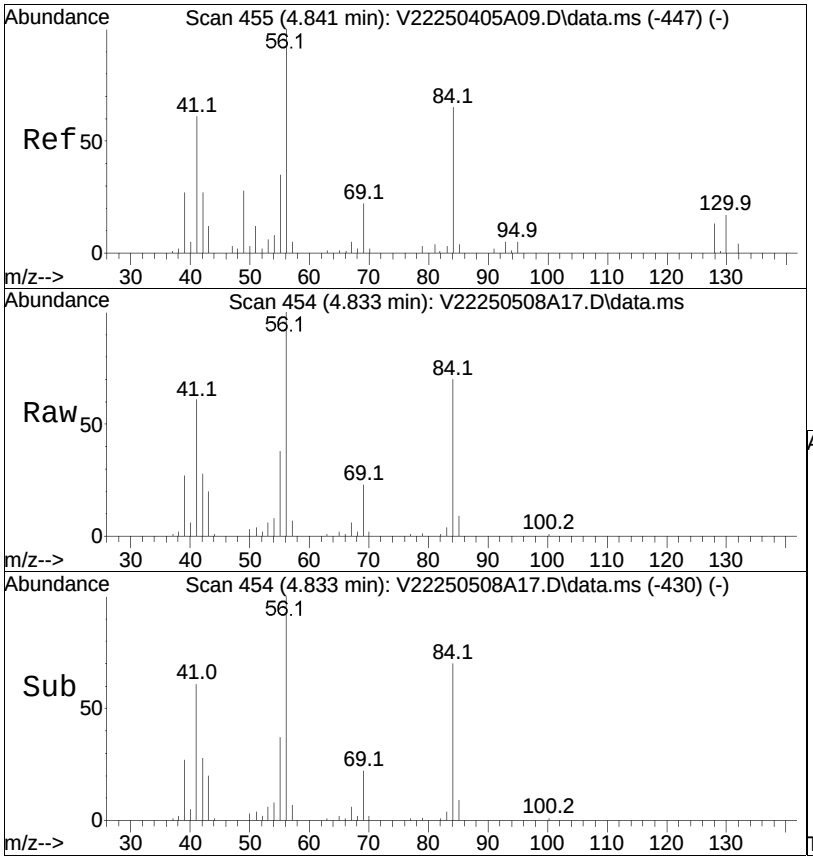


#15
Methylene chloride
Concen: 0.20 ug/L
RT: 3.390 min Scan# 270
Delta R.T. -0.015 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 84 Resp: 1173

Ion	Ratio	Lower	Upper
84	100		
86	688.1	42.3	87.9#
49	24.6	121.1	251.5#

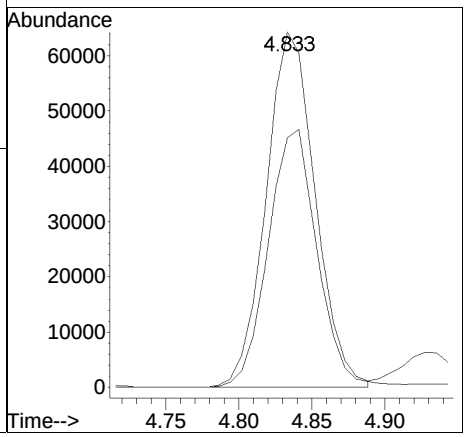


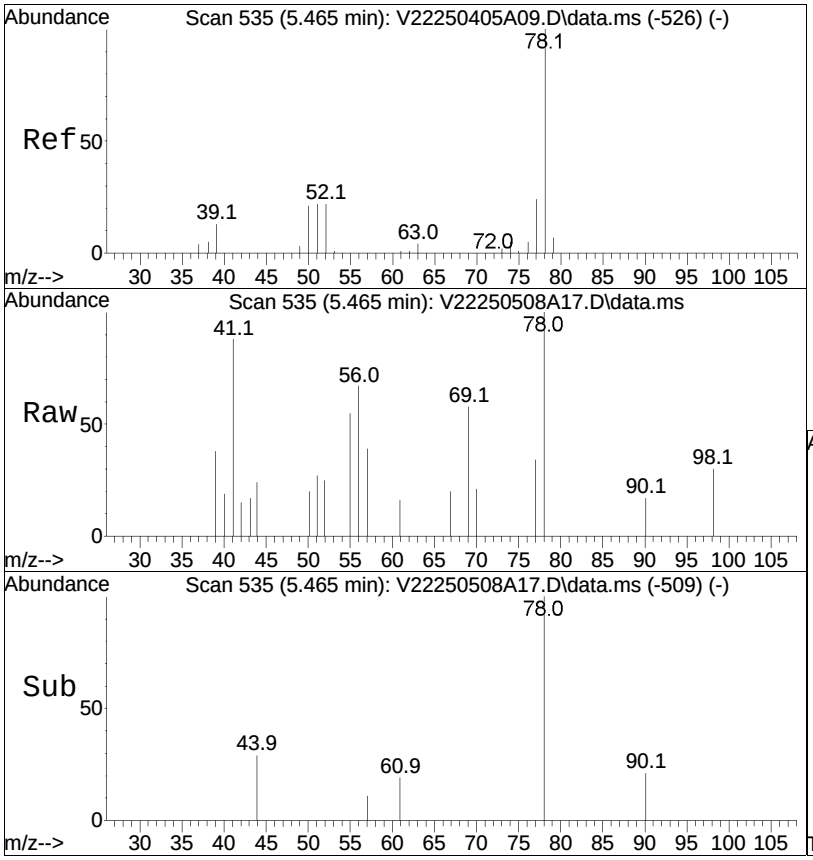


#33
Cyclohexane
Concen: 12.24 ug/L
RT: 4.833 min Scan# 454
Delta R.T. -0.008 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 56 Resp: 150617

Ion	Ratio	Lower	Upper
56	100		
84	72.6	44.9	93.3

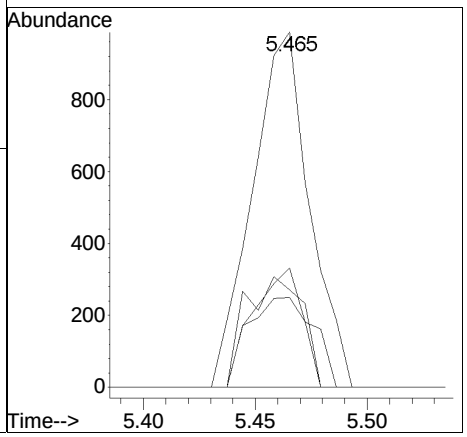


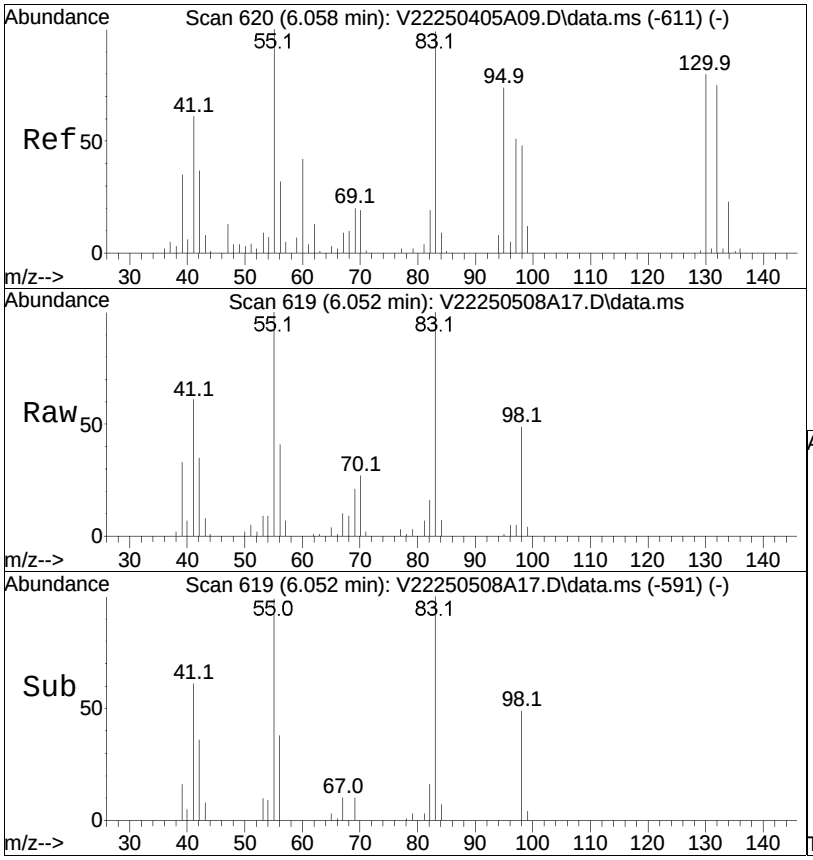


#44
Benzene
Concen: 0.08 ug/L
RT: 5.465 min Scan# 535
Delta R.T. 0.000 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 78 Resp: 1760

Ion	Ratio	Lower	Upper
78	100		
77	32.4	15.5	32.3#
51	0.0	14.9	30.9#
52	24.8	14.7	30.5

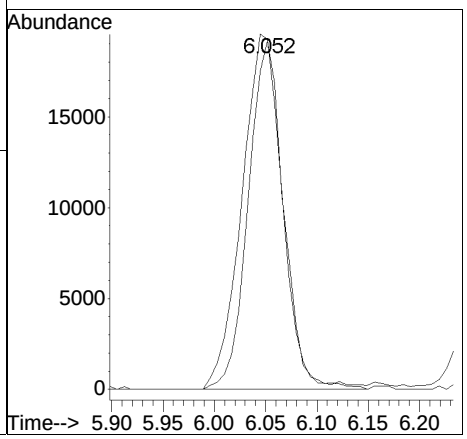


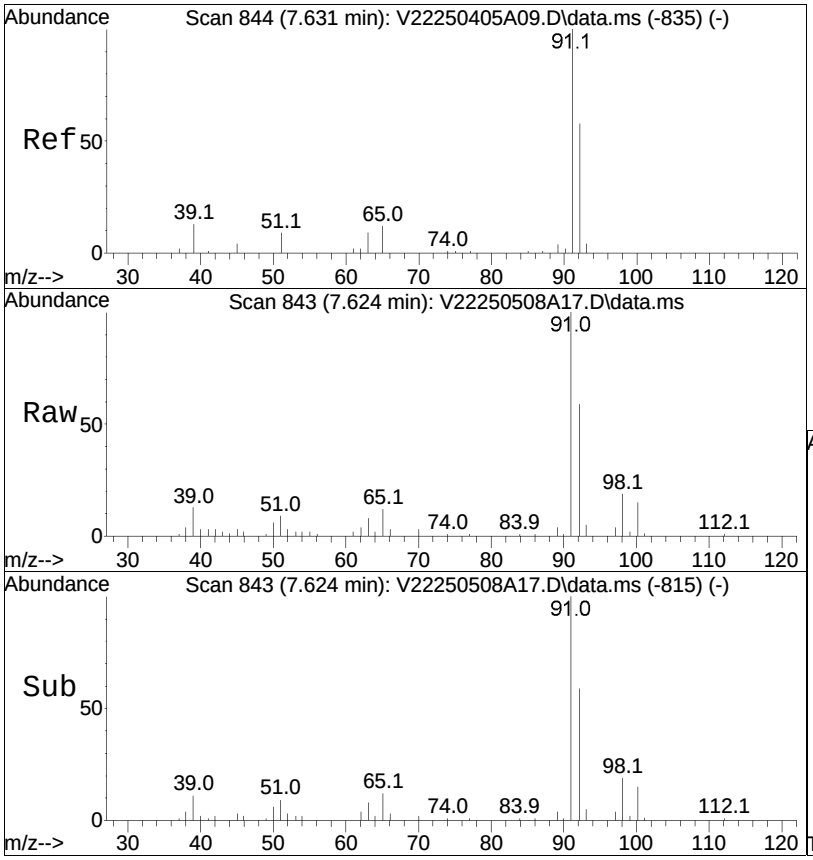


#50
Methyl cyclohexane
Concen: 4.74 ug/L
RT: 6.052 min Scan# 619
Delta R.T. -0.006 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 83 Resp: 45914

Ion	Ratio	Lower	Upper
83	100		
55	115.6	81.9	122.9

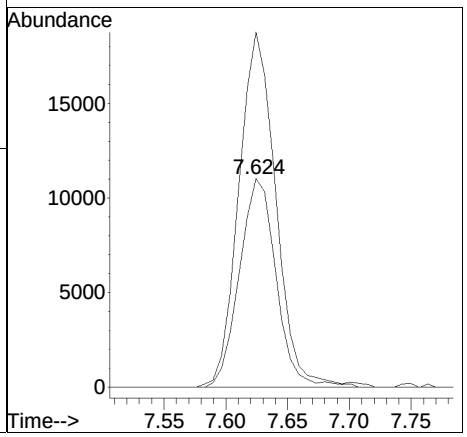


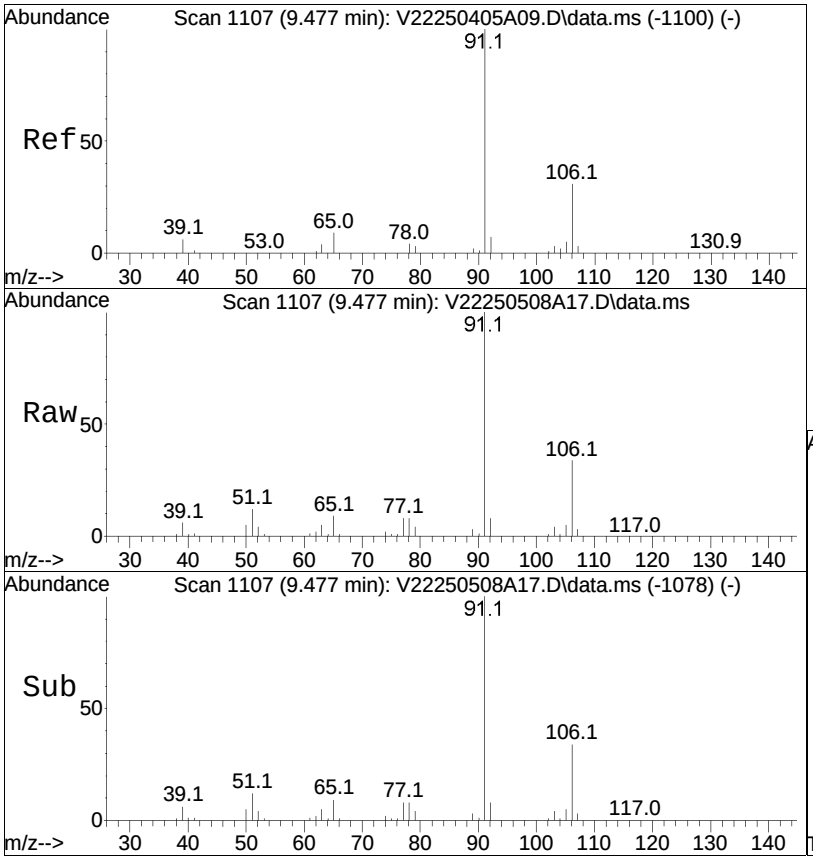


#64
Toluene
Concen: 1.53 ug/L
RT: 7.624 min Scan# 843
Delta R.T. -0.007 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 92 Resp: 22872

Ion	Ratio	Lower	Upper
92	100		
91	171.1	139.3	208.9

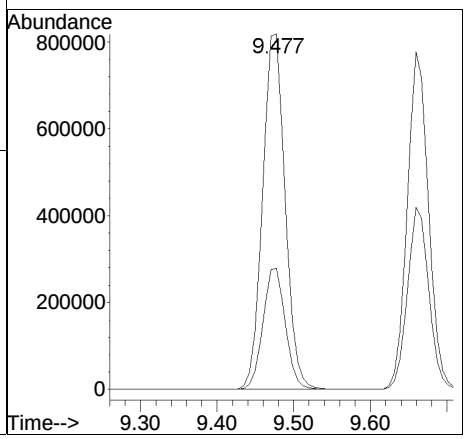


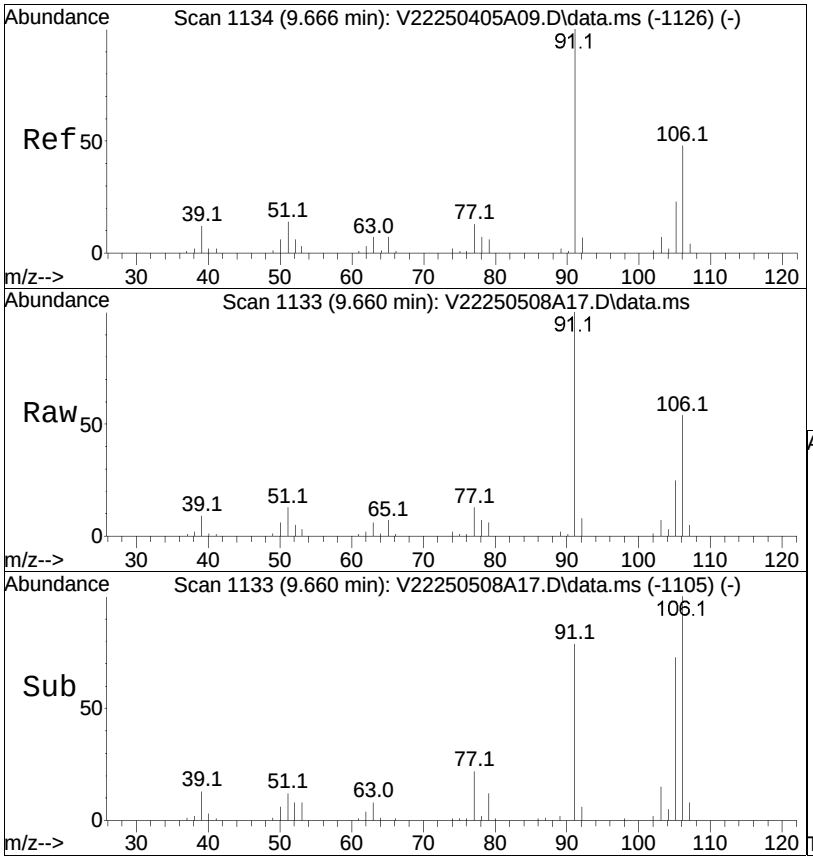


#78
Ethylbenzene
Concen: 57.95 ug/L
RT: 9.477 min Scan# 1107
Delta R.T. 0.000 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 91 Resp: 1672615

Ion	Ratio	Lower	Upper
91	100		
106	33.9	24.7	37.1

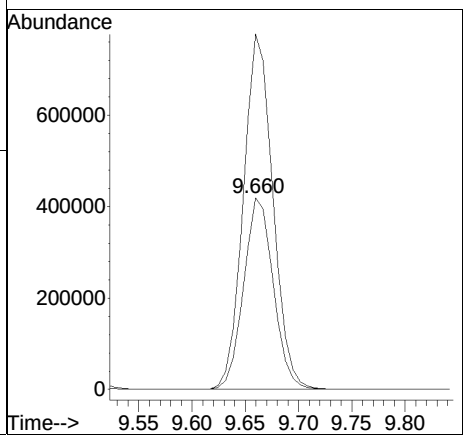


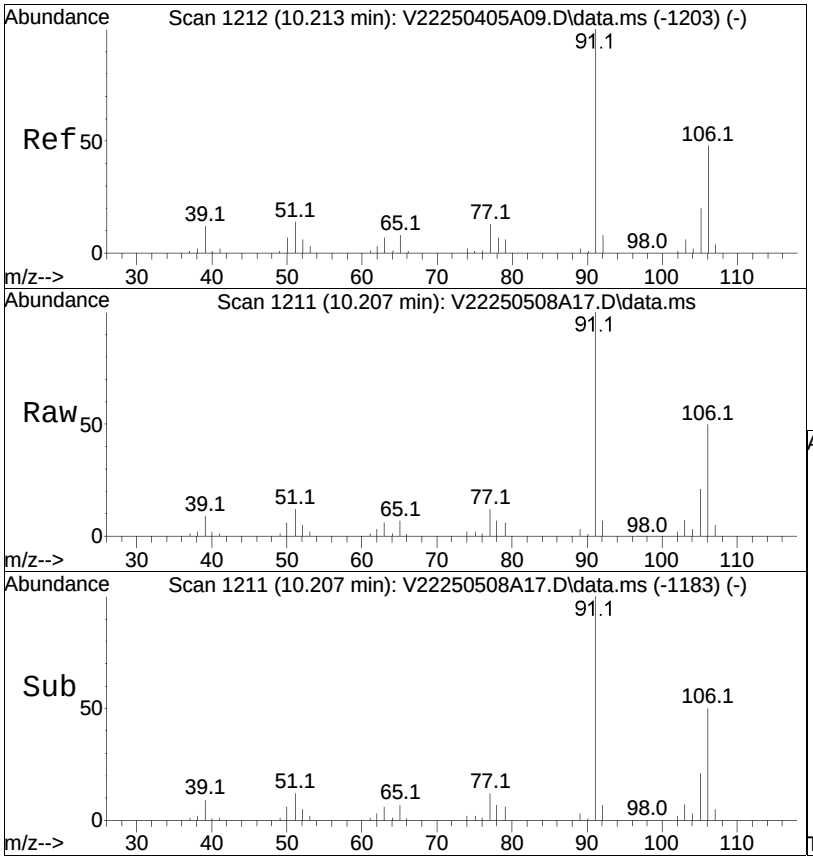


#80
p/m Xylene
Concen: 74.91 ug/L
RT: 9.660 min Scan# 1133
Delta R.T. -0.006 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion:106 Resp: 811930

Ion	Ratio	Lower	Upper
106	100		
91	184.5	160.9	241.3

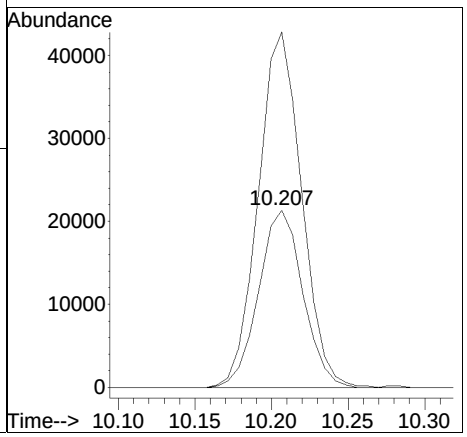


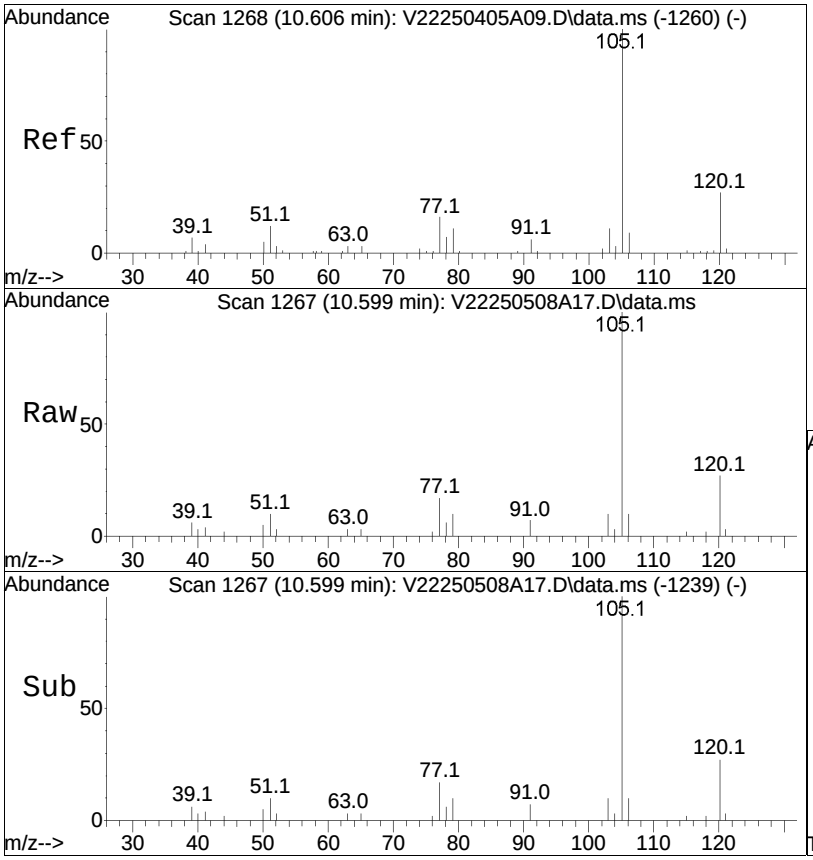


#81
o Xylene
Concen: 4.11 ug/L
RT: 10.207 min Scan# 1211
Delta R.T. -0.006 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion:106 Resp: 42762

Ion	Ratio	Lower	Upper
106	100		
91	196.7	167.8	251.6

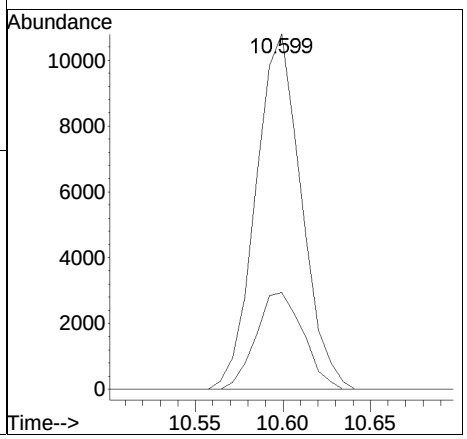


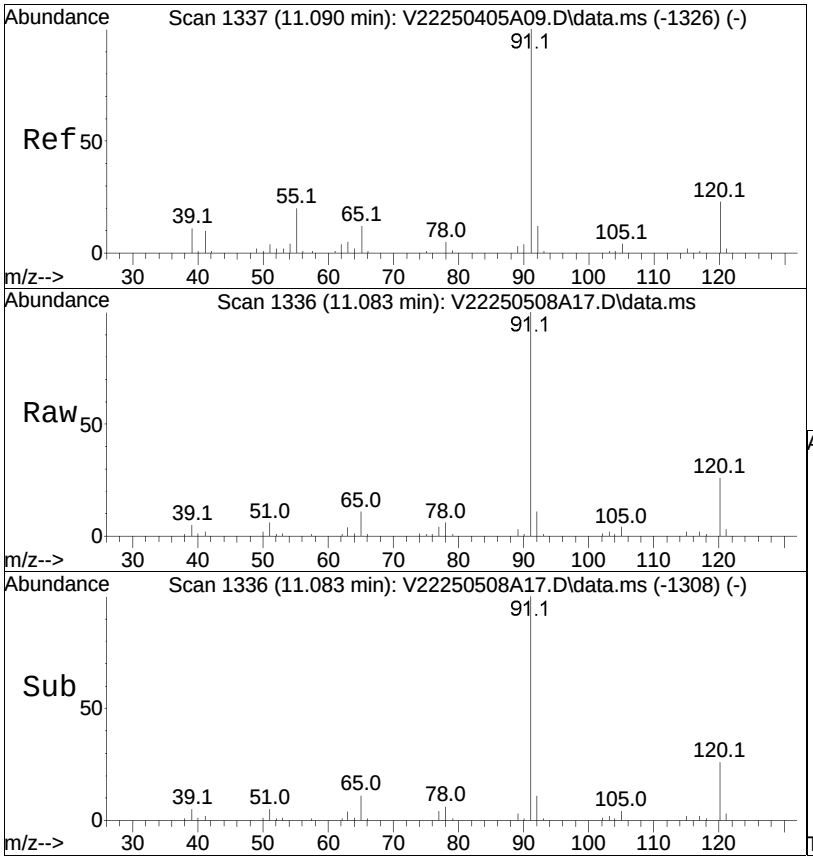


#86
Isopropylbenzene
Concen: 0.66 ug/L
RT: 10.599 min Scan# 1267
Delta R.T. -0.007 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion:105 Resp: 19557

Ion	Ratio	Lower	Upper
105	100		
120	28.3	7.0	47.0

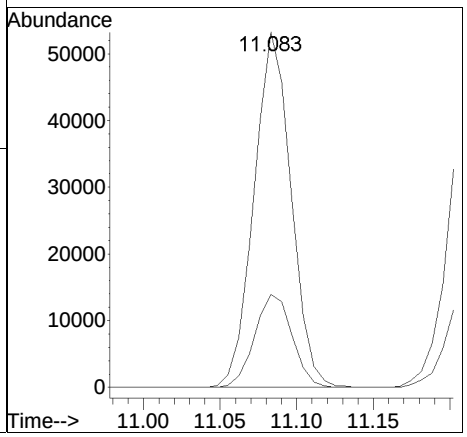


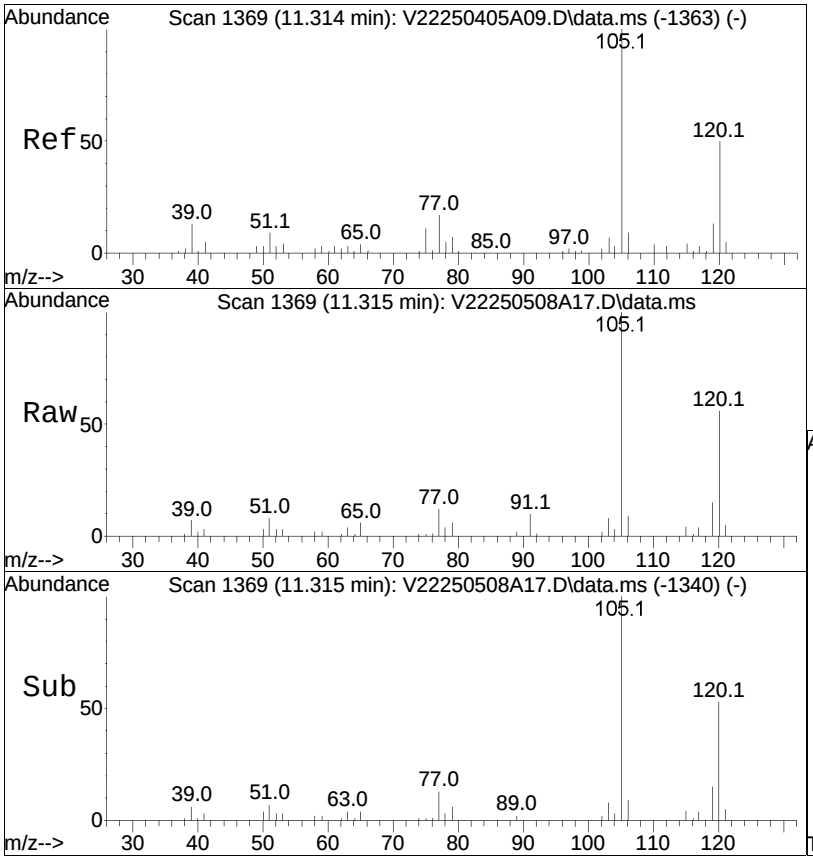


#89
n-Propylbenzene
Concen: 2.54 ug/L
RT: 11.083 min Scan# 1336
Delta R.T. -0.007 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 91 Resp: 89426

Ion	Ratio	Lower	Upper
91	100		
120	26.4	18.0	27.0

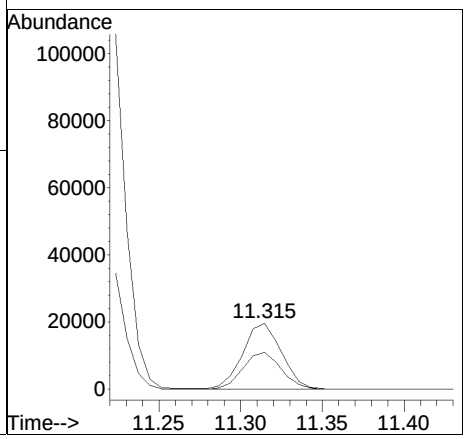


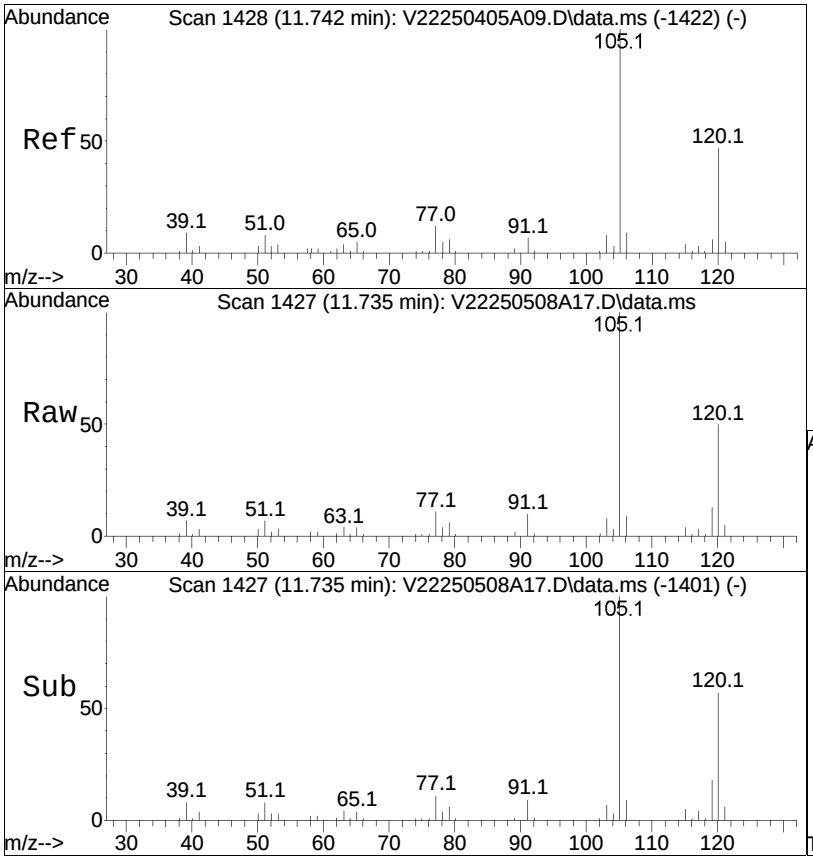


#94
1,3,5-Trimethylbenzene
Concen: 1.45 ug/L
RT: 11.315 min Scan# 1369
Delta R.T. 0.001 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion:105 Resp: 32856

Ion	Ratio	Lower	Upper
105	100		
120	55.0	40.2	60.2

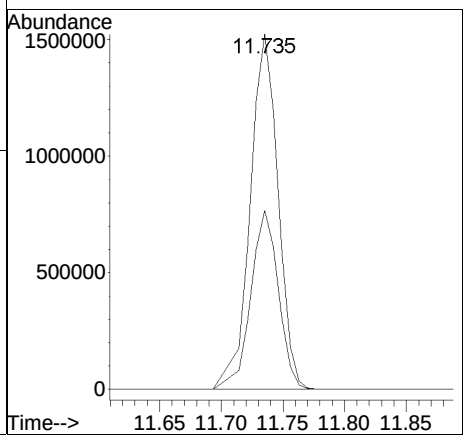


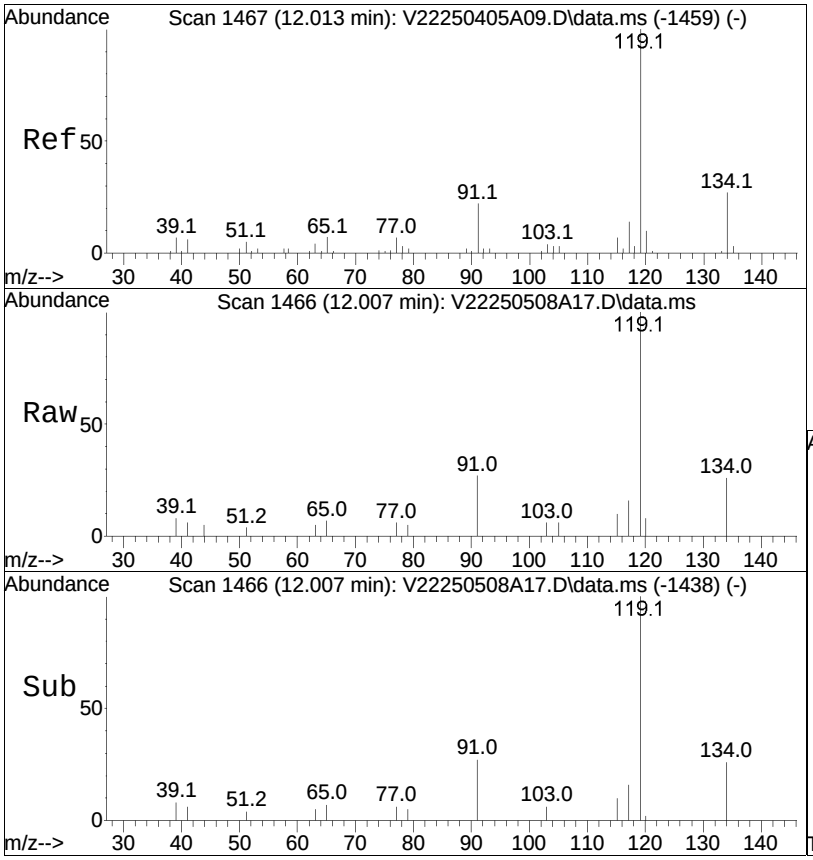


#101
1,2,4-Trimethylbenzene
Concen: 102.53 ug/L
RT: 11.735 min Scan# 1427
Delta R.T. -0.007 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion:105 Resp: 2582940

Ion	Ratio	Lower	Upper
105	100		
120	49.1	38.6	58.0

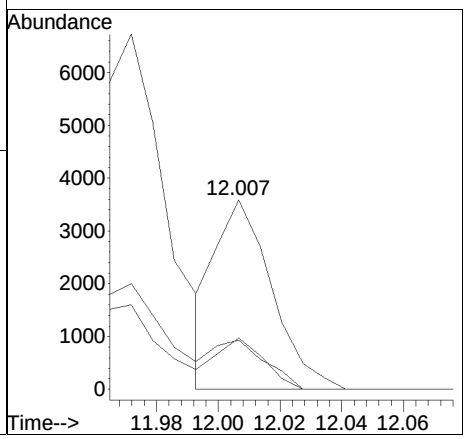


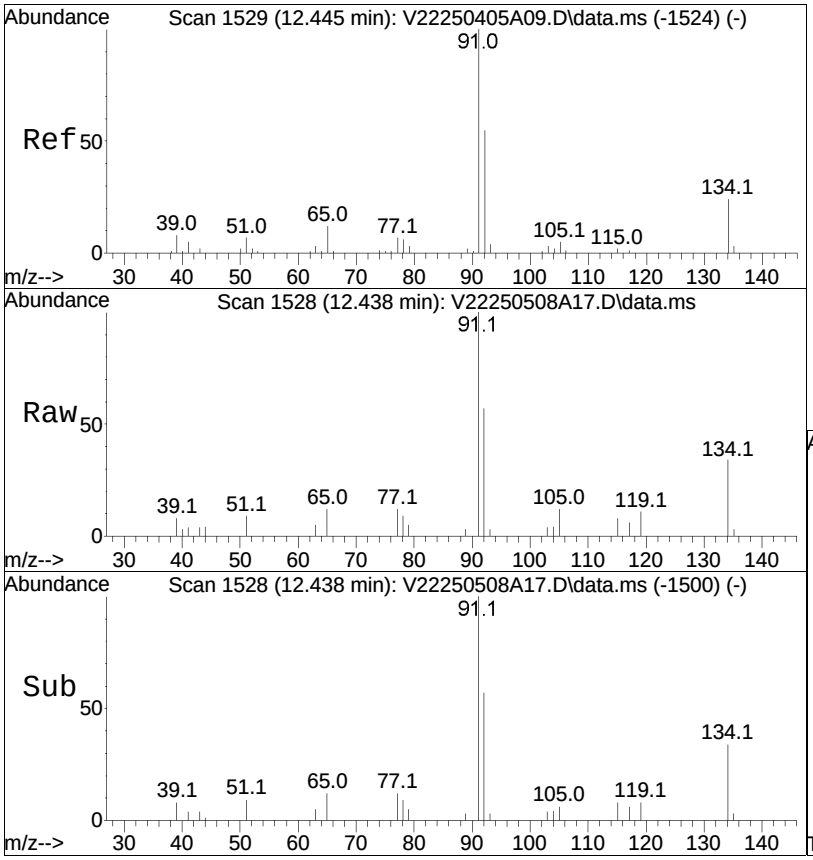


#103
p-Isopropyltoluene
Concen: 0.43 ug/L
RT: 12.007 min Scan# 1466
Delta R.T. -0.006 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion:119 Resp: 4591

Ion	Ratio	Lower	Upper
119	100		
134	24.4	17.2	35.8
91	22.7	14.8	30.6

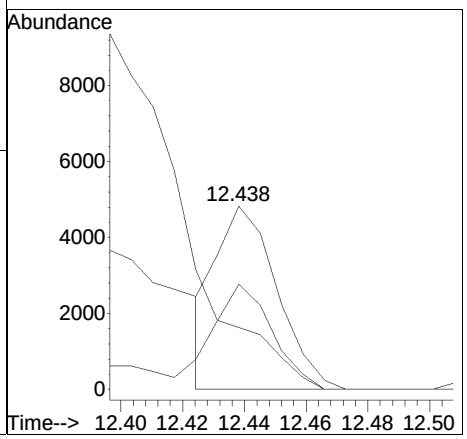


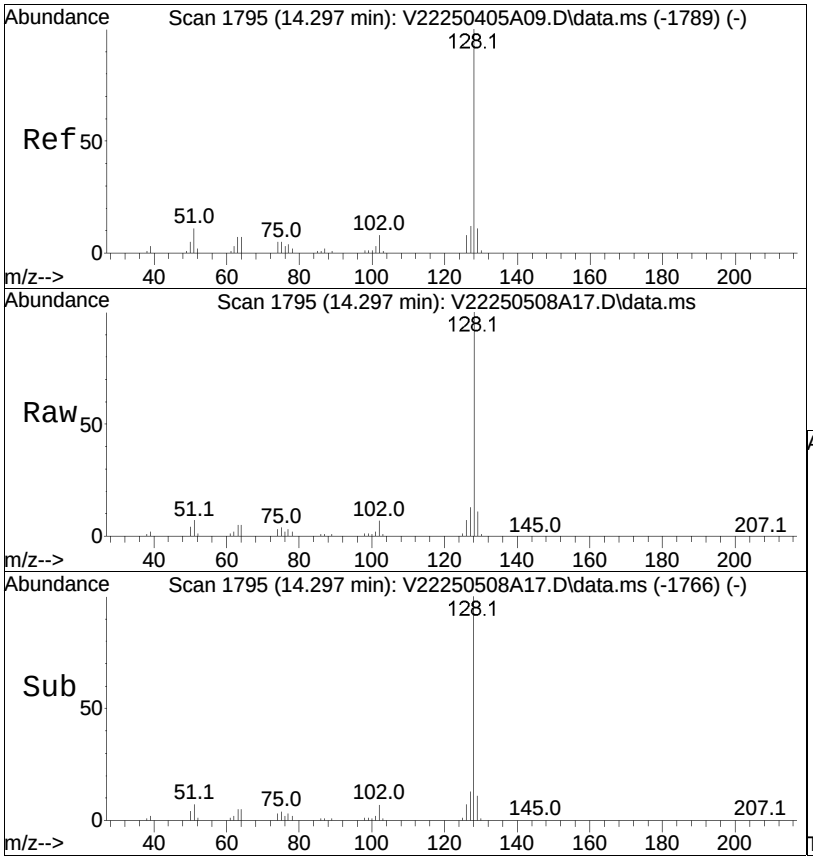


#107
n-Butylbenzene
Concen: 0.31 ug/L
RT: 12.438 min Scan# 1528
Delta R.T. -0.007 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion: 91 Resp: 6631

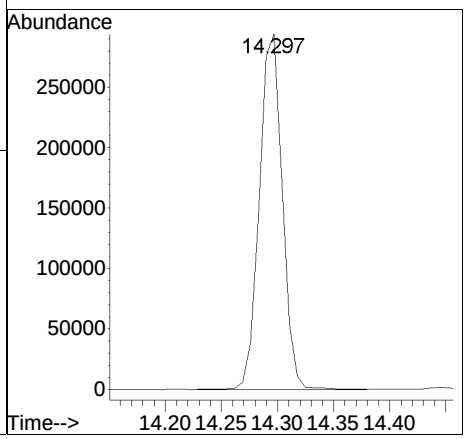
Ion	Ratio	Lower	Upper
91	100		
92	56.6	43.2	64.8
134	0.0	20.7	31.1#





#114
Naphthalene
Concen: 29.49 ug/L
RT: 14.297 min Scan# 1795
Delta R.T. -0.000 min
Lab File: V22250508A17.D
Acq: 08 May 2025 02:13 pm

Tgt Ion:128 Resp: 418599



Manual Integration Report

Data Path	: K:\VOA122\2025\250508A\	QMethod	: V122_250405A_8260.m
Data File	: V22250508A17.D	Operator	: VOA122:MJV
Date Inj'd	: 5/8/2025 2:13 pm	Instrument	: VOA 122
Sample	: l2525831-06D,31,2.0,10,,a	Quant Date	: 5/11/2025 6:21 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A18.D
Acq On : 08 May 2025 02:38 pm
Operator : VOA122:MJV
Sample : l2525831-07D,31,5.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 11 06:59:58 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	434112	10.000	ug/L	0.00
Standard Area 1 = 405024			Recovery = 107.18%			
62) Chlorobenzene-d5	9.407	117	363742	10.000	ug/L	0.00
Standard Area 1 = 348411			Recovery = 104.40%			
83) 1,4-Dichlorobenzene-d4	12.139	152	189635	10.000	ug/L	0.00
Standard Area 1 = 191325			Recovery = 99.12%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.069	113	135820	11.375	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.75%			
46) 1,2-Dichloroethane-d4	5.591	65	121648	9.239	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.39%			
63) Toluene-d8	7.569	98	463842	9.435	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.35%			
87) 4-Bromofluorobenzene	10.915	95	150941	8.659	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.420	85	151	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.134	94	589	0.218	ug/L	93
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.888	76	713	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.397	84	1183	0.194	ug/L #	1
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D. d		
30) cis-1,2-Dichloroethene	0.000		0	N.D. d		
33) Cyclohexane	4.833	56	127350	9.806	ug/L	98
34) Chloroform	0.000		0	N.D. d		
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	5.225	97	72	N.D.		

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A18.D
Acq On : 08 May 2025 02:38 pm
Operator : VOA122:MJV
Sample : l2525831-07D,31,5.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 11 06:59:58 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2-Butanone	0.000		0	N.D.	d	
44) Benzene	5.465	78	25906	1.150	ug/L	98
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	6.052	83	33319	3.257	ug/L #	41
51) Trichloroethene	6.052	95	362	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.	d	
57) Bromodichloromethane	6.575	83	224	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.624	92	39351	2.519	ug/L	100
65) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
71) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	9.590	112	170	N.D.		
78) Ethylbenzene	9.470	91	2379160	78.638	ug/L	95
80) p/m Xylene	9.660	106	29119	2.563	ug/L	91
81) o Xylene	10.207	106	6347	0.582	ug/L	96
82) Styrene	0.000		0	N.D.	d	
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.599	105	130312	4.310	ug/L	97
89) n-Propylbenzene	11.083	91	670782	18.577	ug/L	92
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
94) 1,3,5-Trimethylbenzene	11.308	105	2834	0.122	ug/L	98
98) tert-Butylbenzene	0.000		0	N.D.	d	
101) 1,2,4-Trimethylbenzene	11.735	105	1648205	63.855	ug/L	96
102) sec-Butylbenzene	11.854	105	17431M4	0.564	ug/L	
103) p-Isopropyltoluene	12.007	119	3636	0.394	ug/L	98
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
107) n-Butylbenzene	12.438	91	20477	0.922	ug/L #	93
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.297	128	273601	18.810	ug/L	100

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

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A18.D
Acq On : 08 May 2025 02:38 pm
Operator : VOA122:MJV
Sample : l2525831-07D,31,5.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 11 06:59:58 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

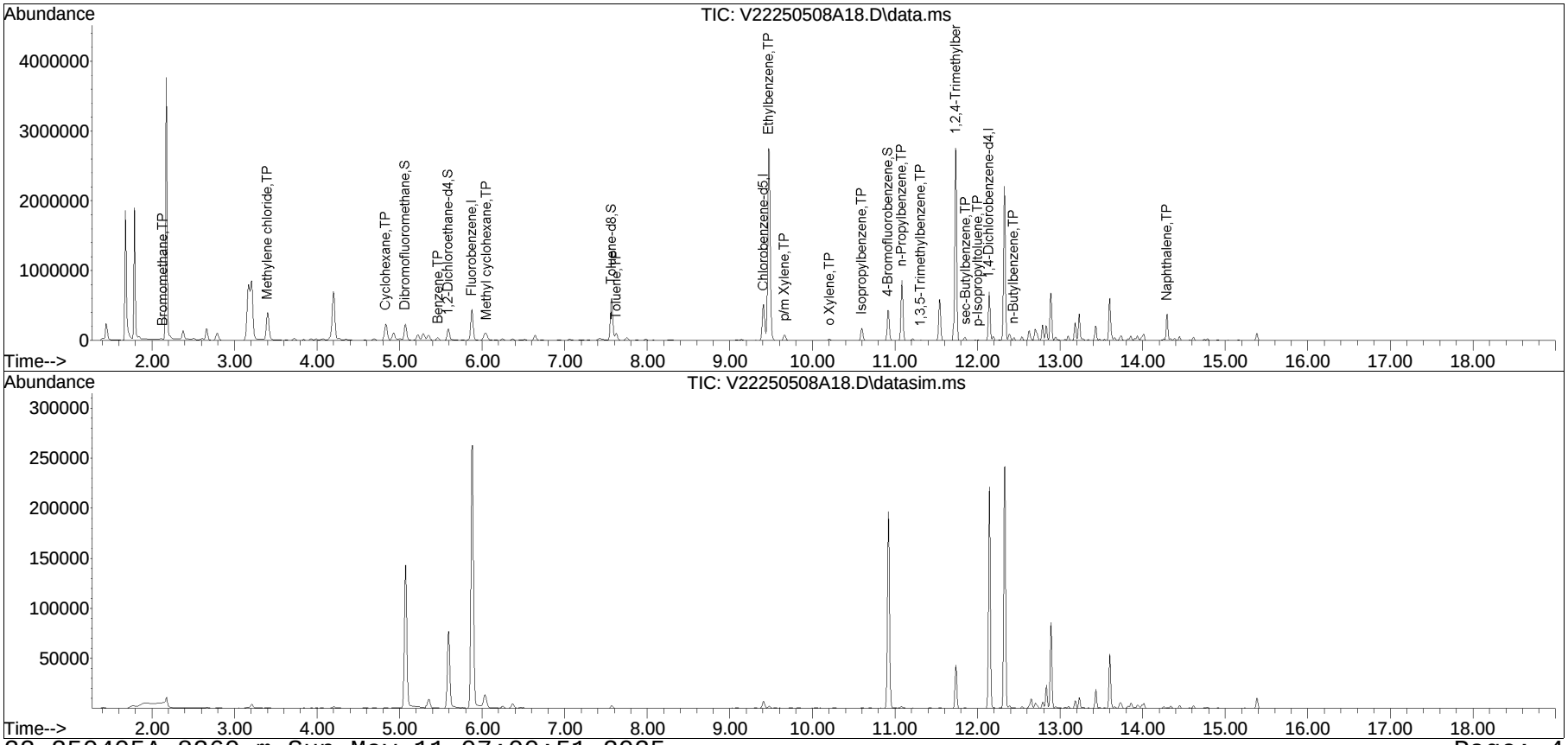
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

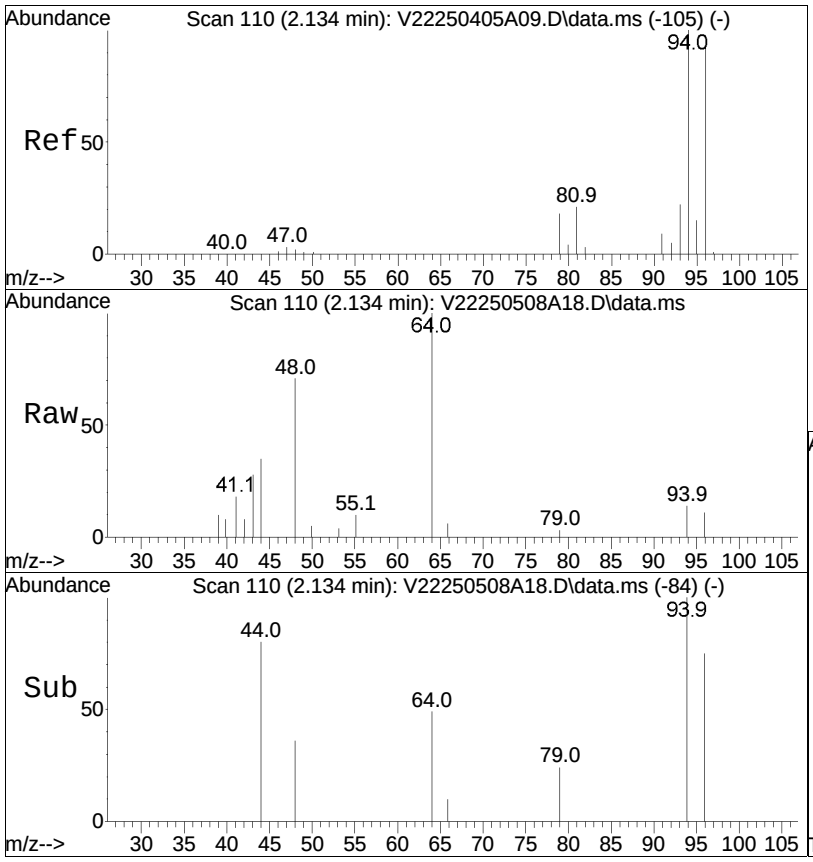
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A18.D
Acq On : 08 May 2025 02:38 pm
Operator : VOA122:MJV
Sample : l2525831-07D,31,5.0,10,,a
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 11 06:59:58 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0508A02.D•

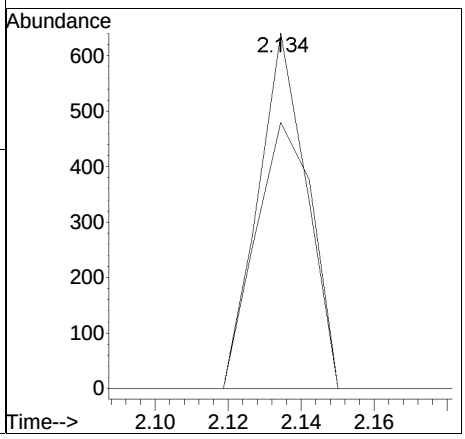


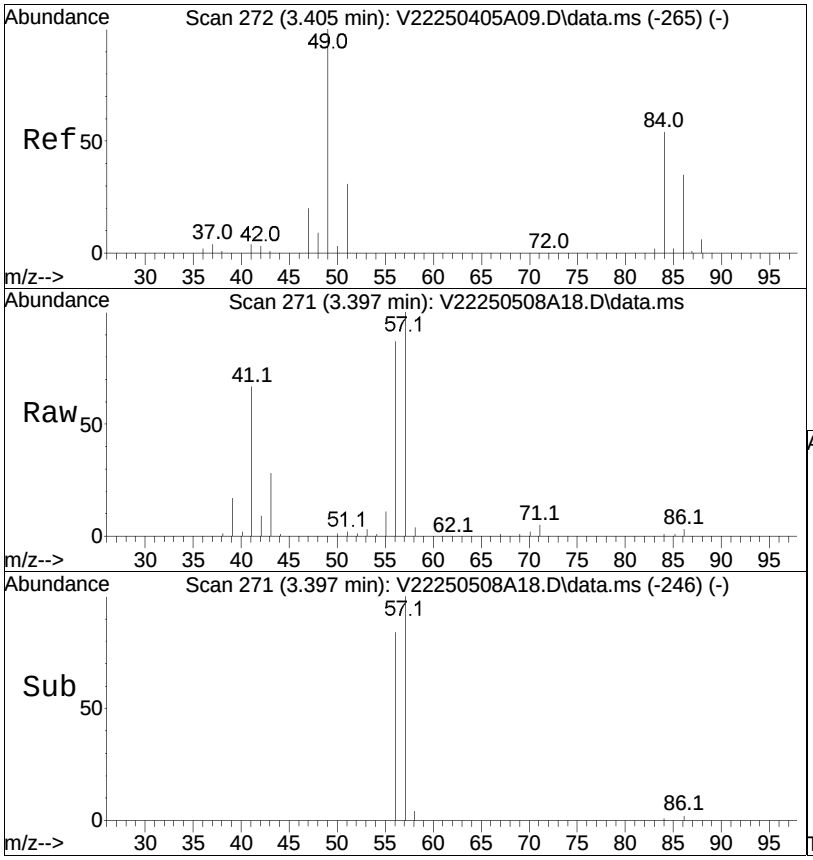


#5
Bromomethane
Concen: 0.22 ug/L
RT: 2.134 min Scan# 110
Delta R.T. 0.000 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 94 Resp: 589

Ion	Ratio	Lower	Upper
94	100		
96	88.6	75.3	115.3

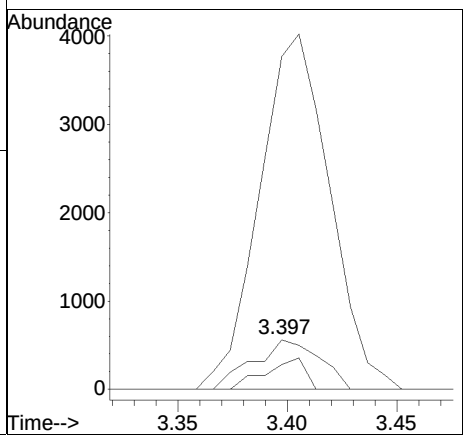


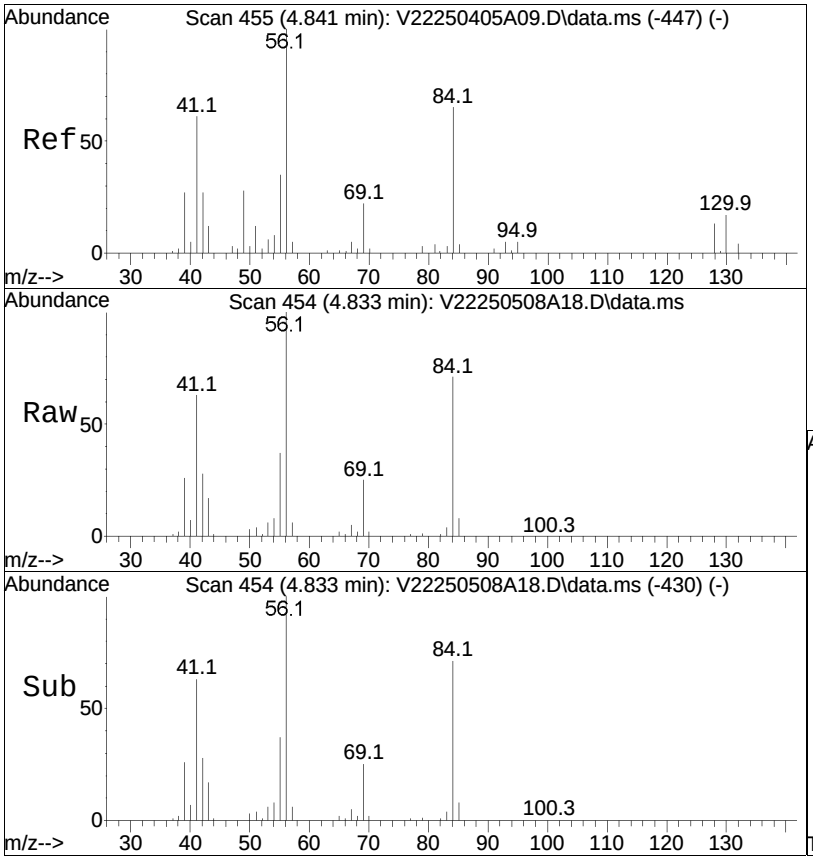


#15
Methylene chloride
Concen: 0.19 ug/L
RT: 3.397 min Scan# 271
Delta R.T. -0.008 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 84 Resp: 1183

Ion	Ratio	Lower	Upper
84	100		
86	757.4	42.3	87.9#
49	37.6	121.1	251.5#

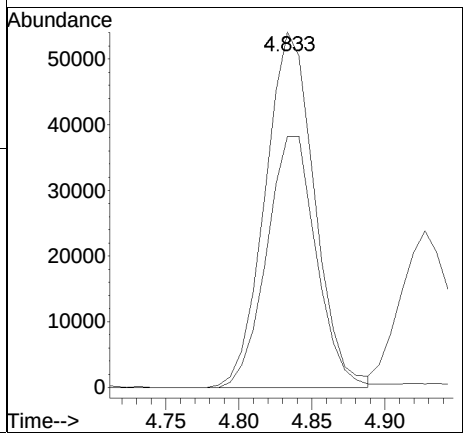


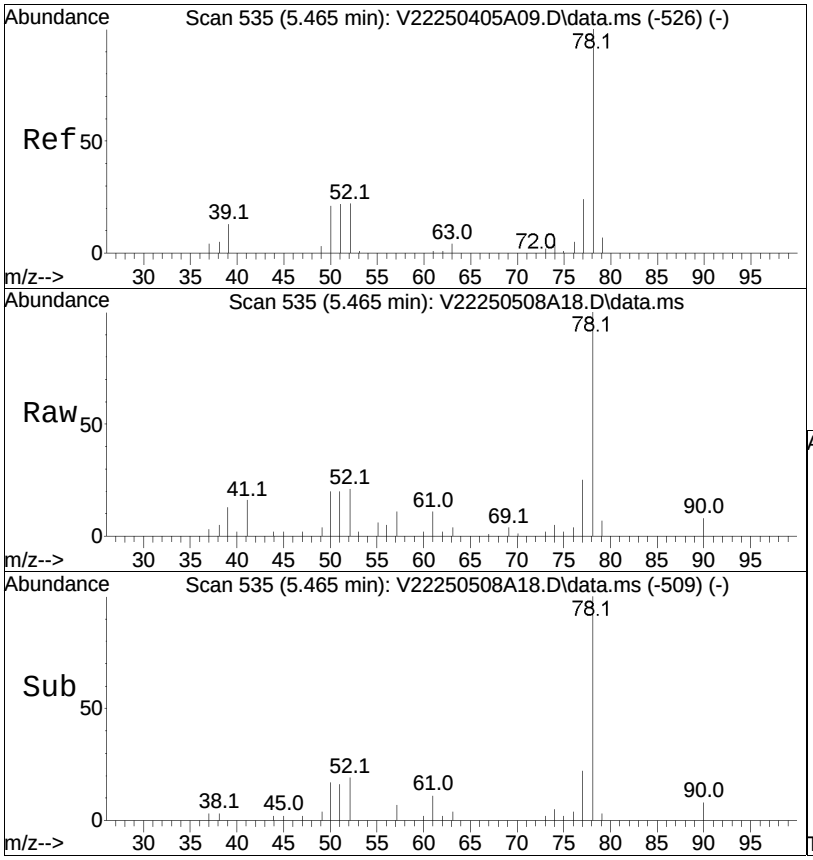


#33
Cyclohexane
Concen: 9.81 ug/L
RT: 4.833 min Scan# 454
Delta R.T. -0.008 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 56 Resp: 127350

Ion	Ratio	Lower	Upper
56	100		
84	71.0	44.9	93.3

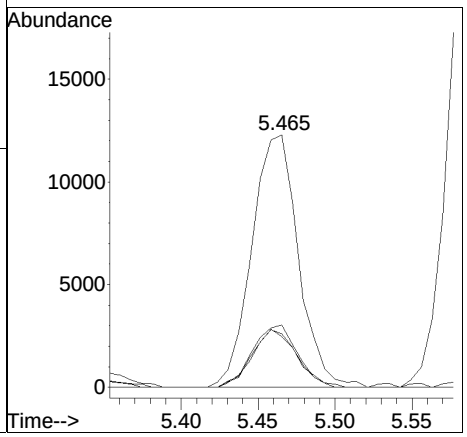


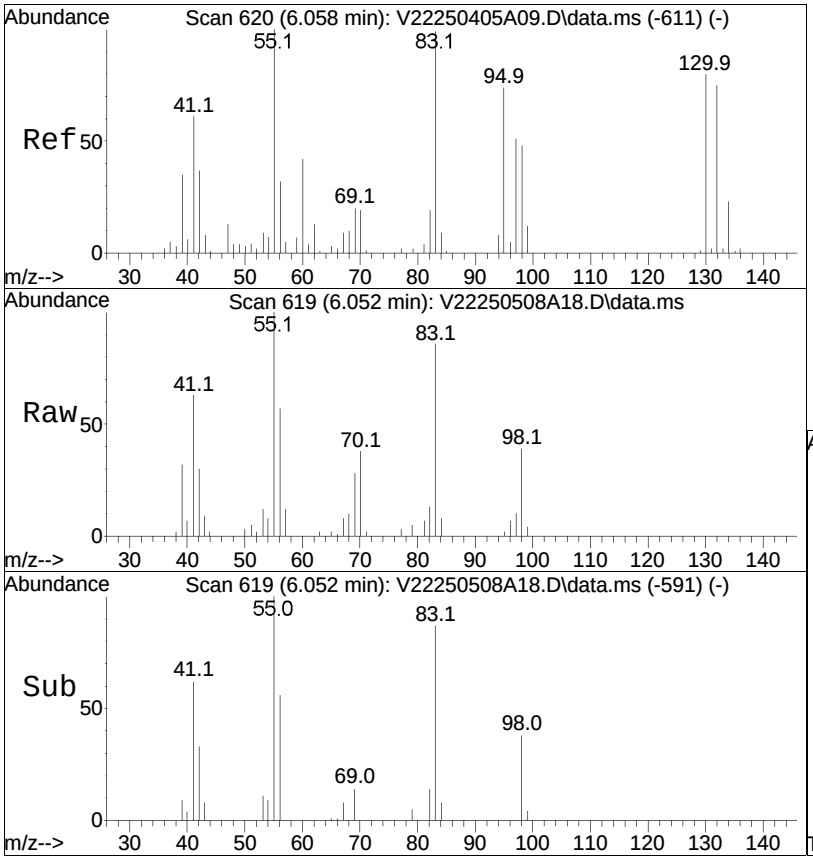


#44
Benzene
Concen: 1.15 ug/L
RT: 5.465 min Scan# 535
Delta R.T. 0.000 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 78 Resp: 25906

Ion	Ratio	Lower	Upper
78	100		
77	24.2	15.5	32.3
51	21.7	14.9	30.9
52	21.8	14.7	30.5

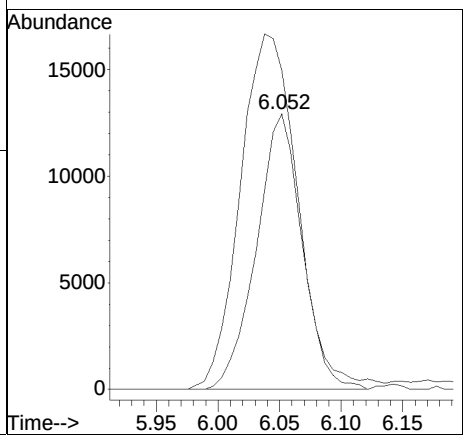


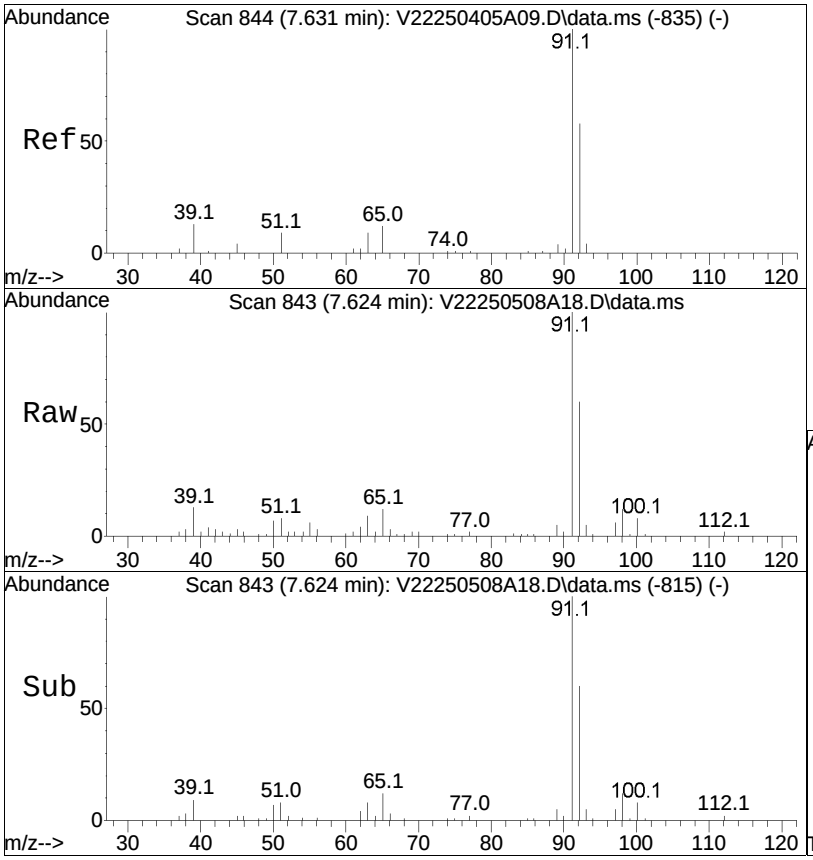


#50
Methyl cyclohexane
Concen: 3.26 ug/L
RT: 6.052 min Scan# 619
Delta R.T. -0.006 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 83 Resp: 33319

Ion	Ratio	Lower	Upper
83	100		
55	161.9	81.9	122.9#

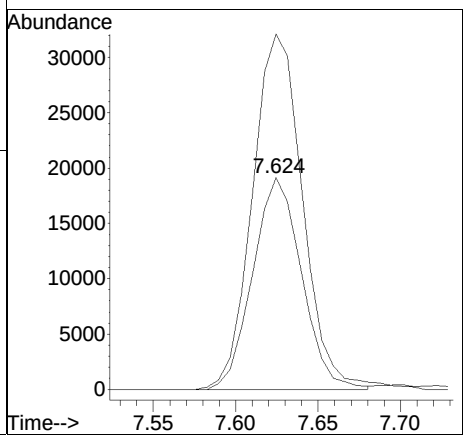


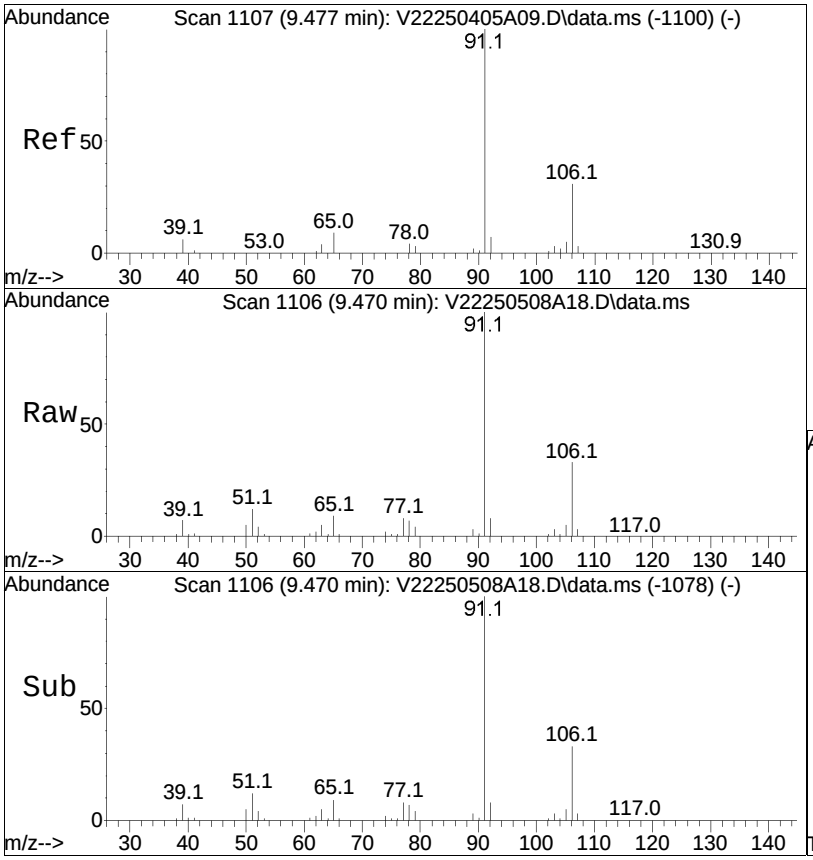


#64
Toluene
Concen: 2.52 ug/L
RT: 7.624 min Scan# 843
Delta R.T. -0.007 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 92 Resp: 39351

Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.3	208.9

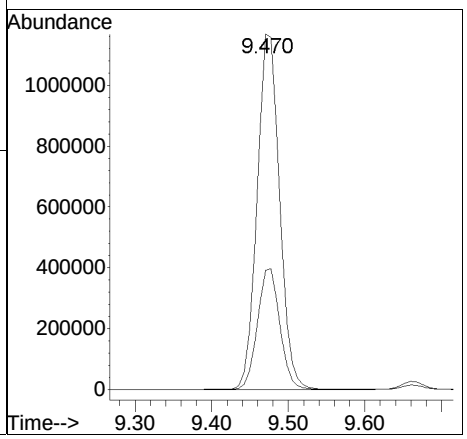


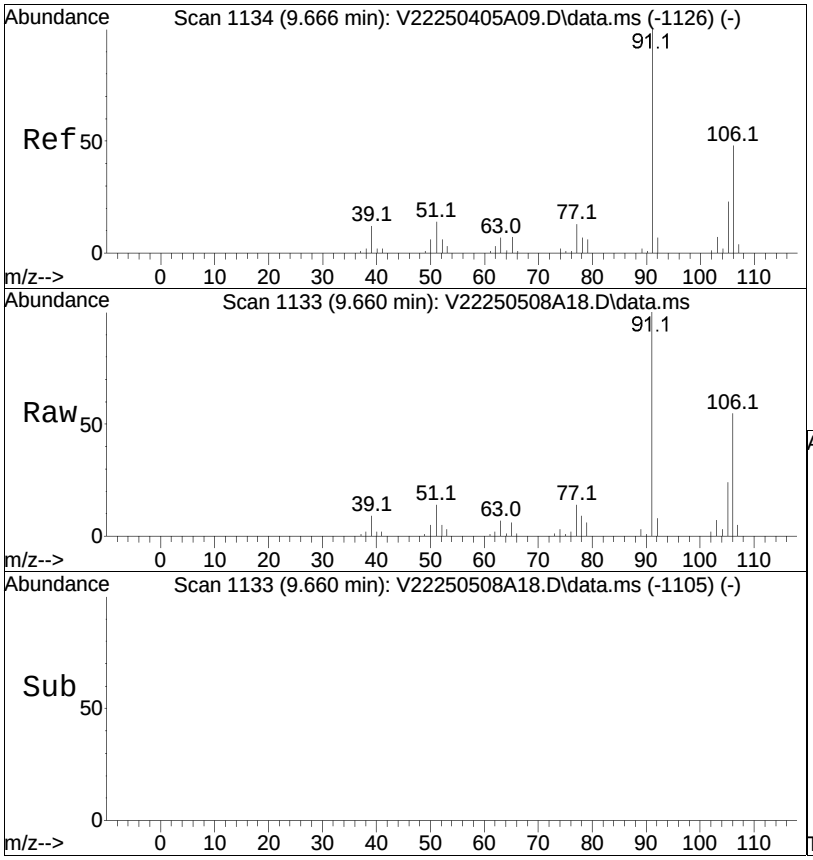


#78
Ethylbenzene
Concen: 78.64 ug/L
RT: 9.470 min Scan# 1106
Delta R.T. -0.007 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 91 Resp: 2379160

Ion	Ratio	Lower	Upper
91	100		
106	33.9	24.7	37.1

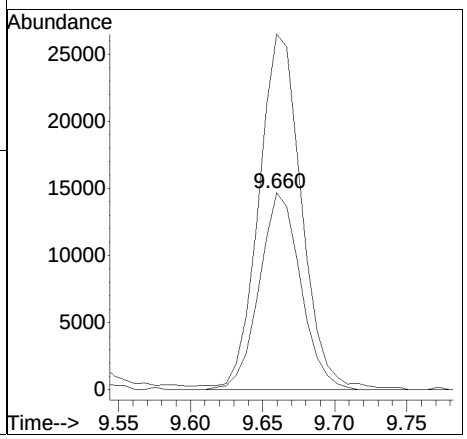


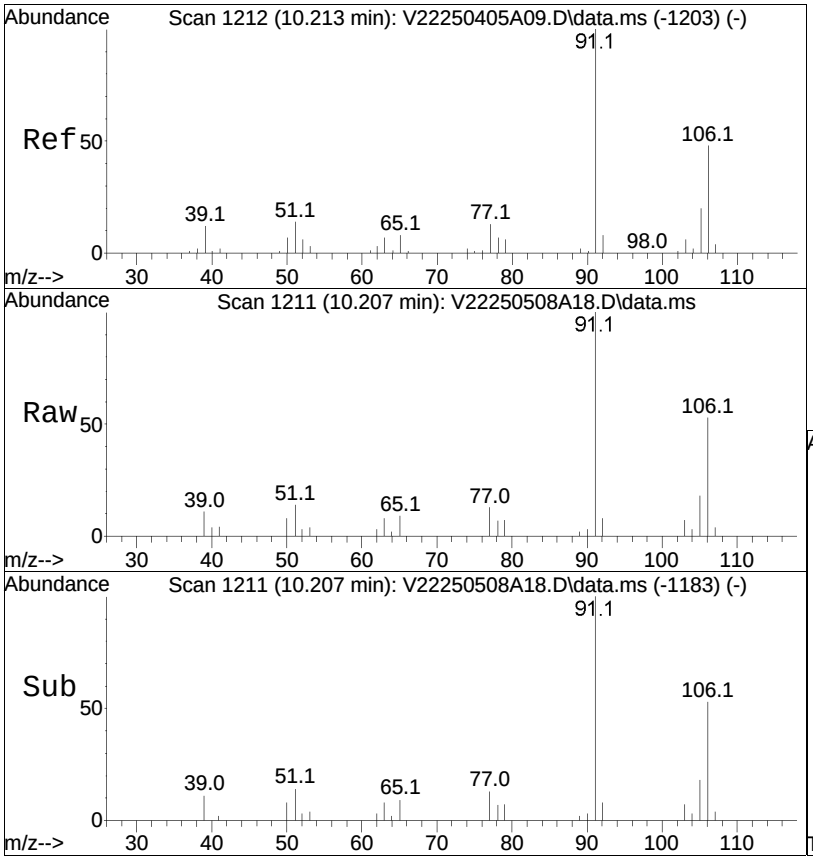


#80
p/m Xylene
Concen: 2.56 ug/L
RT: 9.660 min Scan# 1133
Delta R.T. -0.006 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion:106 Resp: 29119

Ion	Ratio	Lower	Upper
106	100		
91	187.6	160.9	241.3

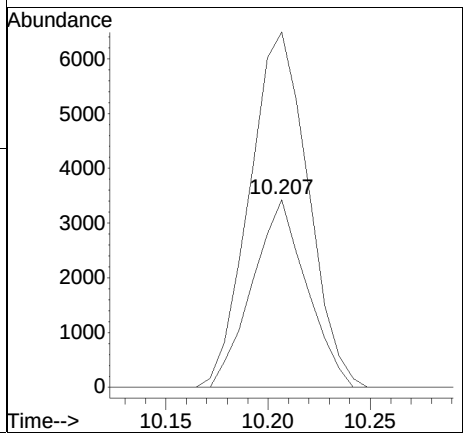


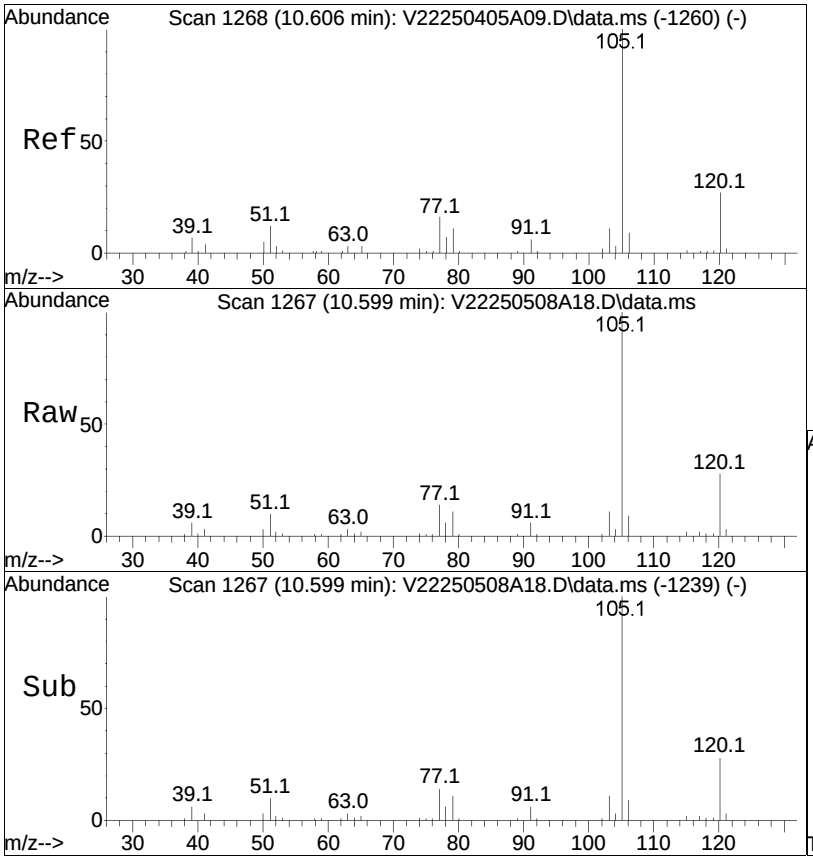


#81
o Xylene
Concen: 0.58 ug/L
RT: 10.207 min Scan# 1211
Delta R.T. -0.006 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion:106 Resp: 6347

Ion	Ratio	Lower	Upper
106	100		
91	203.8	167.8	251.6

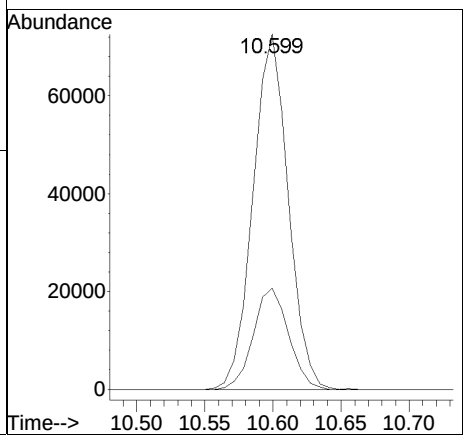


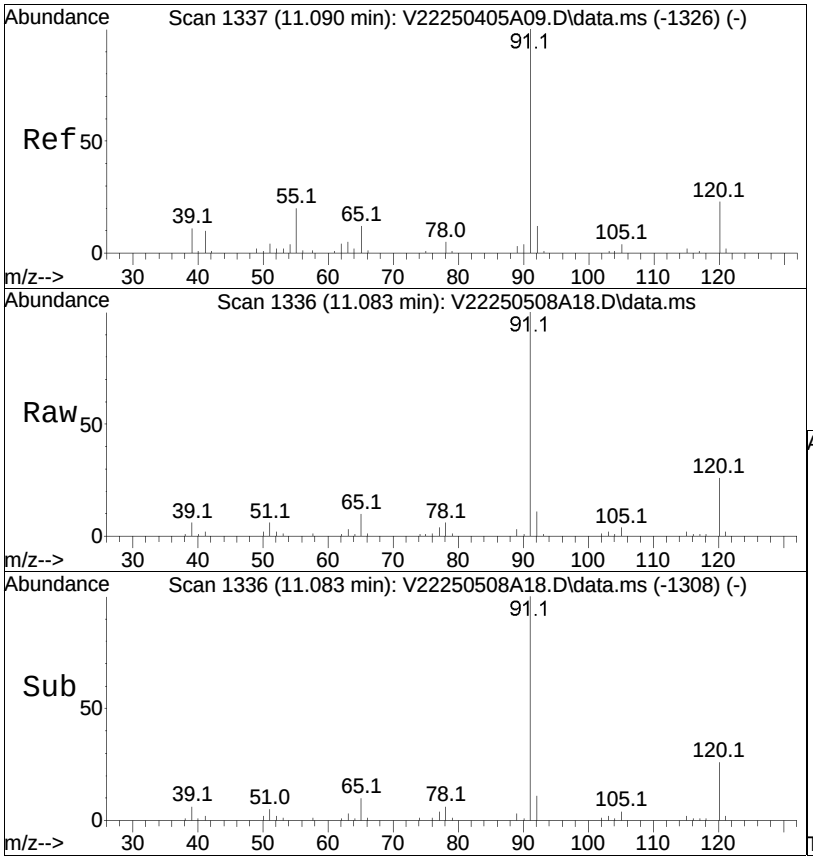


#86
Isopropylbenzene
Concen: 4.31 ug/L
RT: 10.599 min Scan# 1267
Delta R.T. -0.007 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion:105 Resp: 130312

Ion	Ratio	Lower	Upper
105	100		
120	28.5	7.0	47.0

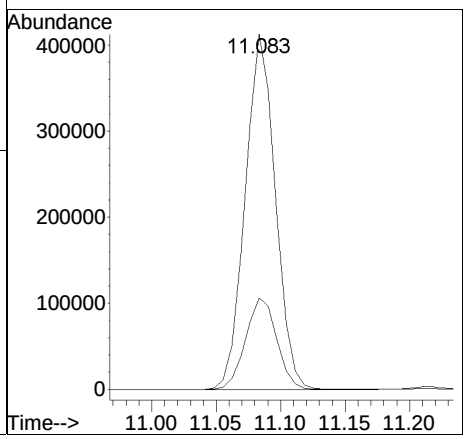


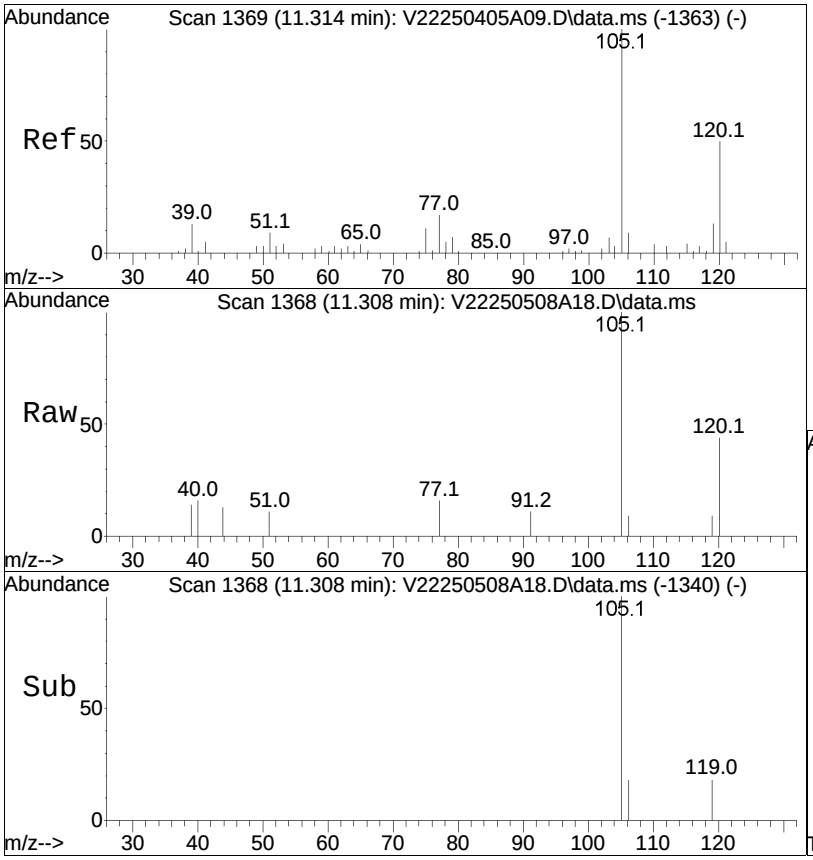


#89
n-Propylbenzene
Concen: 18.58 ug/L
RT: 11.083 min Scan# 1336
Delta R.T. -0.007 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 91 Resp: 670782

Ion	Ratio	Lower	Upper
91	100		
120	26.5	18.0	27.0

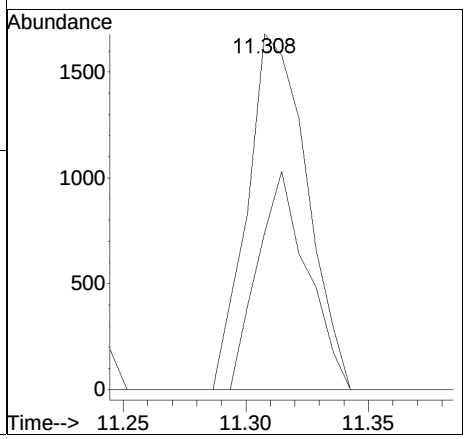


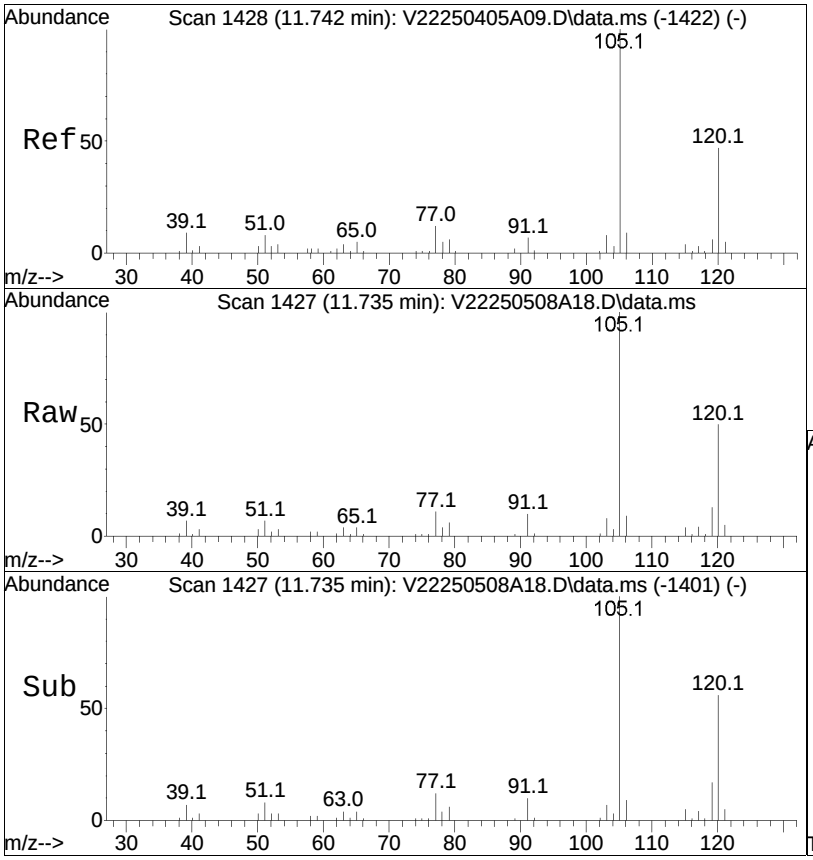


#94
1,3,5-Trimethylbenzene
Concen: 0.12 ug/L
RT: 11.308 min Scan# 1368
Delta R.T. -0.006 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion:105 Resp: 2834

Ion	Ratio	Lower	Upper
105	100		
120	51.4	40.2	60.2

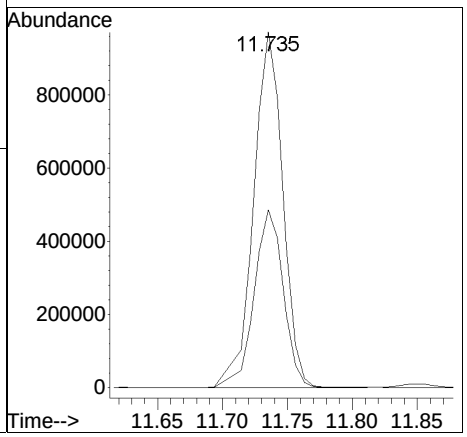


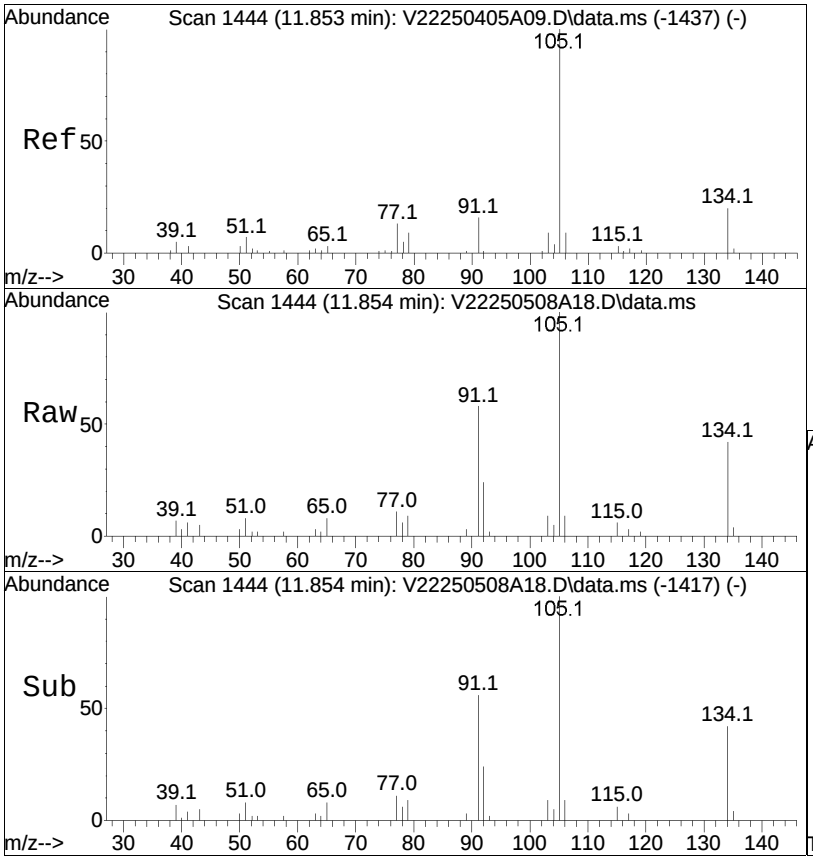


#101
1,2,4-Trimethylbenzene
Concen: 63.85 ug/L
RT: 11.735 min Scan# 1427
Delta R.T. -0.007 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion:105 Resp: 1648205

Ion	Ratio	Lower	Upper
105	100		
120	50.7	38.6	58.0

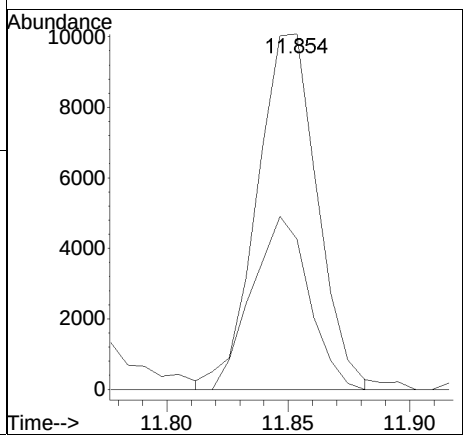


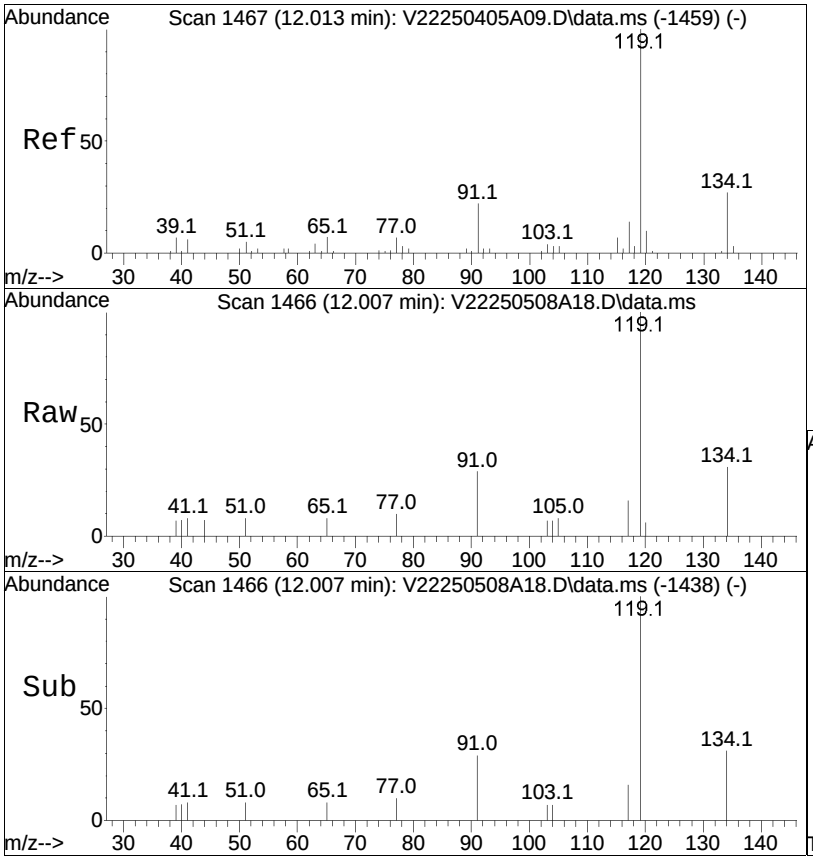


#102
sec-Butylbenzene
Concen: 0.56 ug/L M4
RT: 11.854 min Scan# 1444
Delta R.T. 0.001 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion:105 Resp: 17431

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.3	27.5#

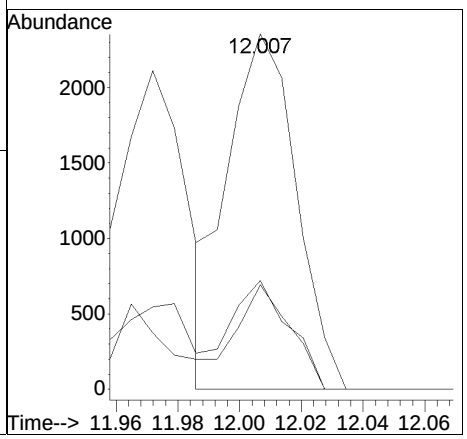


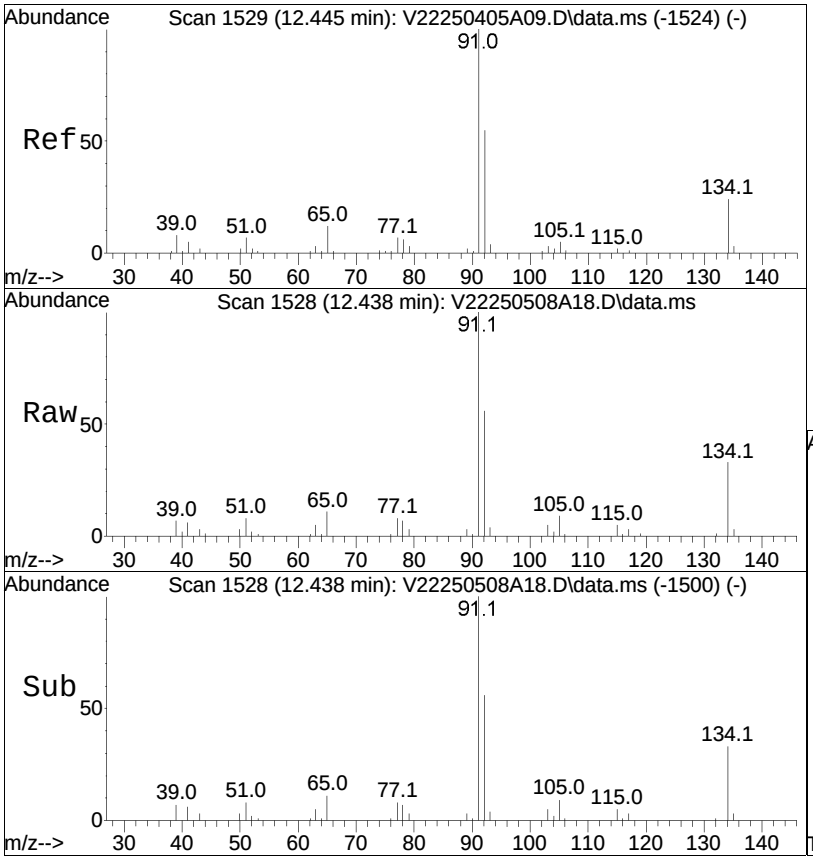


#103
p-Isopropyltoluene
Concen: 0.39 ug/L
RT: 12.007 min Scan# 1466
Delta R.T. -0.006 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion:119 Resp: 3636

Ion	Ratio	Lower	Upper
119	100		
134	26.8	17.2	35.8
91	24.1	14.8	30.6

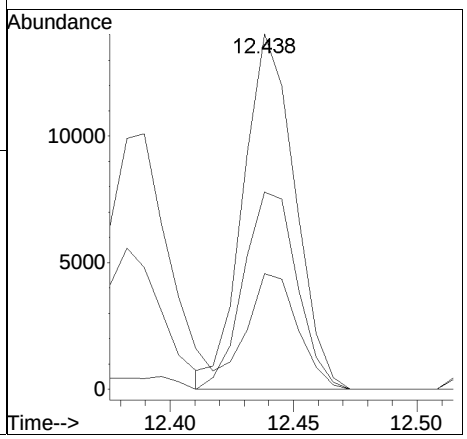


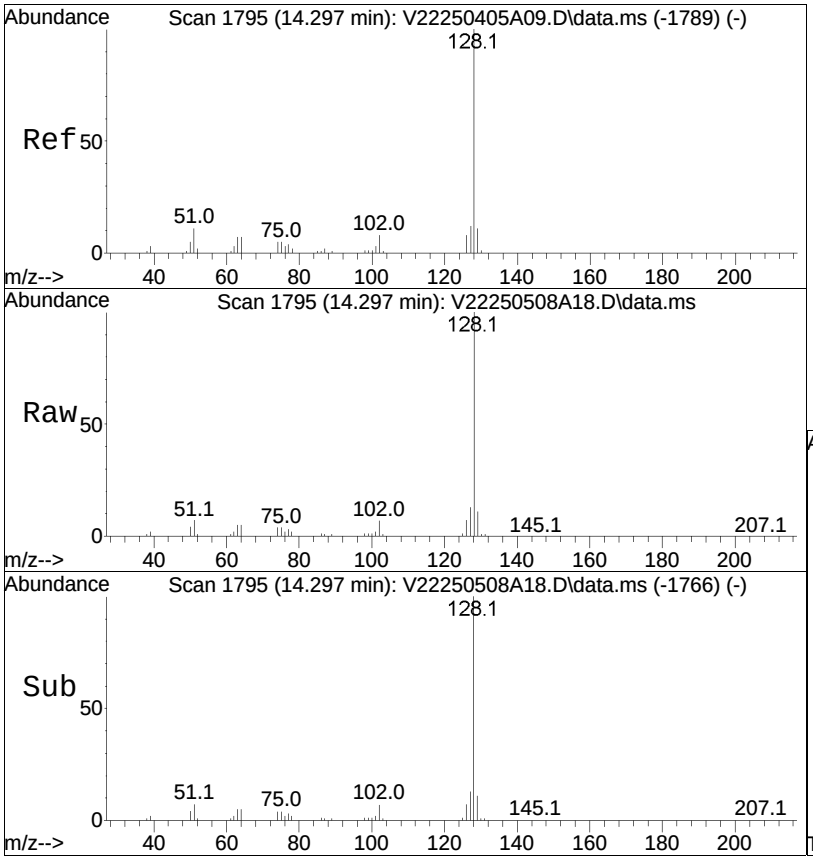


#107
n-Butylbenzene
Concen: 0.92 ug/L
RT: 12.438 min Scan# 1528
Delta R.T. -0.007 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

Tgt Ion: 91 Resp: 20477

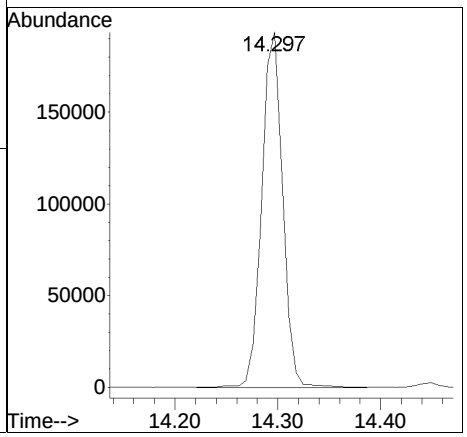
Ion	Ratio	Lower	Upper
91	100		
92	57.7	43.2	64.8
134	32.1	20.7	31.1#





#114
Naphthalene
Concen: 18.81 ug/L
RT: 14.297 min Scan# 1795
Delta R.T. -0.000 min
Lab File: V22250508A18.D
Acq: 08 May 2025 02:38 pm

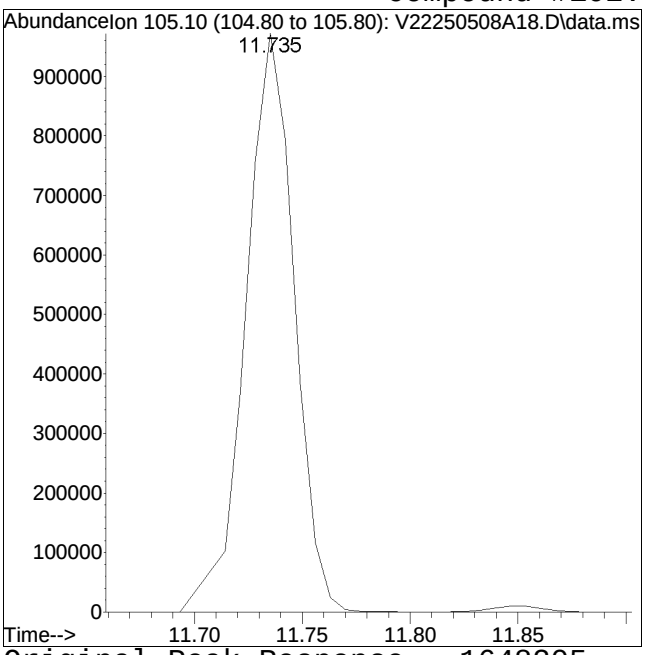
Tgt Ion:128 Resp: 273601



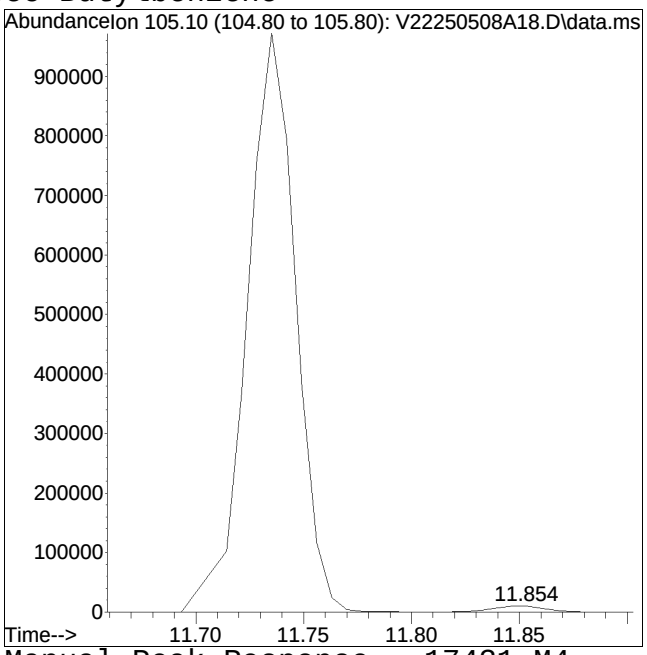
Manual Integration Report

Data Path : K:\VOA122\2025\250508A\ QMethod : V122_250405A_8260.m
Data File : V22250508A18.D Operator : VOA122:MJV
Date Inj'd : 5/8/2025 2:38 pm Instrument : VOA 122
Sample : l2525831-07D,31,5.0,10,,a Quant Date : 5/11/2025 6:21 am

Compound #102: sec-Butylbenzene



Original Peak Response = 1648205



Manual Peak Response = 17431 M4

M4 = Poor automated baseline construction.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2525831**
Project Name	**: CONVENTUS PRR**	**Project Number**	**: U86**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL22177**
Calibration dates	**: 04/05/25 16:58 04/06/25 11:37**		

Calibration Files
L11 =V22250406A02.D L1 =V22250405A05.D L2 =V22250405A07.D L3 =V22250405A09.D L4 =V22250405A10.D
L6 =V22250405A11.D L8 =V22250405A12.D L10 =V22250405A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.127	0.171	0.175	0.174	0.170	0.168	0.160	0.164	10.42
3)	TP	Chloromethane		0.220	0.255	0.254	0.238	0.223	0.213	0.198	0.229	9.32
4)	TP	Vinyl chloride	0.225	0.175	0.204	0.208	0.198	0.194	0.195	0.191	0.199	7.27
5)	TP	Bromomethane		0.052	0.056	0.055	0.053	0.064	0.074	0.081	0.062	18.29
6)	TP	Chloroethane		0.101	0.116	0.116	0.105	0.099	0.094	0.085	0.102	11.07
7)	TP	Trichlorofluor		0.158	0.206	0.201	0.195	0.193	0.192	0.188	0.190	8.13
8)	TP	Ethyl ether		0.058	0.060	0.061	0.059	0.057	0.060	0.061	0.060	2.73
10)	TP	1,1-Dichloroet		0.097	0.115	0.125	0.119	0.115	0.117	0.117	0.115	7.39
11)	TP	Carbon disulfide		0.402	0.444	0.439	0.408	0.401	0.403	0.401	0.414	4.57
12)	TP	Freon-113		0.102	0.124	0.128	0.120	0.118	0.121	0.123	0.119	7.08
13)	TP	Iodomethane									0.000#	-1.00
14)	TP	Acrolein		0.013	0.017	0.018	0.019	0.018	0.019	0.019	0.017	12.53
15)	TP	Methylene chlo		0.147	0.156	0.146	0.136	0.132	0.133	0.132	0.140	6.61
17)	TP	Acetone			0.037	0.030	0.028	0.026	0.026	0.026	0.029	14.56
18)	TP	trans-1,2-Dich		0.118	0.141	0.140	0.133	0.129	0.130	0.130	0.132	5.91
19)	TP	Methyl acetate		0.087	0.084	0.075	0.074	0.069	0.071	0.072	0.076	9.03
21)	TP	Methyl tert butyl ether		0.190	0.228	0.254	0.255	0.257	0.274	0.280	0.248	12.29
22)	TP	tert-Butyl alc		0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.006#	10.45
24)	TP	Diisopropyl ether		0.400	0.456	0.511	0.520	0.521	0.518	0.511	0.491	9.39
25)	TP	1,1-Dichloroet		0.266	0.314	0.307	0.294	0.286	0.282	0.276	0.289#	5.80
26)	TP	Halothane		0.093	0.100	0.102	0.096	0.095	0.099	0.099	0.098	3.03
27)	TP	Acrylonitrile		0.027	0.034	0.036	0.036	0.034	0.034	0.035	0.034	9.27
28)	TP	Ethyl tert-but		0.253	0.287	0.341	0.360	0.370	0.387	0.391	0.341	15.34
29)	TP	Vinyl acetate			0.229	0.257	0.273	0.277	0.286	0.285	0.268	8.12
30)	TP	cis-1,2-Dichlo		0.125	0.151	0.151	0.142	0.139	0.139	0.138	0.141#	6.28
31)	TP	2,2-Dichloropr		0.166	0.196	0.196	0.187	0.187	0.188	0.187	0.187	5.29
32)	TP	Bromochloromet		0.067	0.064	0.067	0.063	0.060	0.058	0.057	0.062#	5.96
33)	TP	Cyclohexane		0.191	0.282	0.325	0.327	0.325	0.324	0.319	0.299	16.80
34)	TP	Chloroform		0.239	0.263	0.244	0.234	0.230	0.236	0.235	0.240#	4.49
35)	TP	Ethyl acetate			0.081	0.092	0.095	0.093	0.097	0.098	0.093	6.38
36)	TP	Carbon tetrachloride	0.183	0.137	0.181	0.187	0.183	0.183	0.187	0.185	0.178	9.46
37)	TP	Tetrahydrofuran			0.029	0.033	0.030	0.029	0.030	0.030	0.030	5.31
38)	S	Dibromofluoromethane	0.285	0.299	0.297	0.283	0.265	0.258	0.256	0.257	0.275	6.62
39)	TP	1,1,1-Trichlor		0.156	0.209	0.211	0.204	0.204	0.201	0.202	0.198	9.50
41)	TP	2-Butanone			0.040	0.037	0.043	0.038	0.042	0.042	0.040	5.90

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2525831**
Project Name	**: CONVENTUS PRR**	**Project Number**	**: U86**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL22177**
Calibration dates	**: 04/05/25 16:58 04/06/25 11:37**		

Calibration Files
L11 =V22250406A02.D L1 =V22250405A05.D L2 =V22250405A07.D L3 =V22250405A09.D L4 =V22250405A10.D
L6 =V22250405A11.D L8 =V22250405A12.D L10 =V22250405A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.134	0.163	0.184	0.191	0.191	0.191	0.190	0.178	12.27
44) TP	Benzene	0.529	0.433	0.511	0.539	0.538	0.537	0.537	0.529	0.519	6.91
45) TP	Tertiary-Amyl Methyl Ether		0.173	0.201	0.230	0.249	0.267	0.285	0.293	0.242	18.20
46) S	1,2-Dichloroethane-d4	0.328	0.316	0.322	0.306	0.292	0.282	0.287	0.294	0.303	5.72
47) T	1,2-Dichloroethane	0.198	0.175	0.177	0.173	0.169	0.165	0.165	0.163	0.173	6.44
50) TP	Methyl cyclohe			0.190	0.217	0.235	0.250	0.260	0.262	0.236	11.86
51) TP	Trichloroethene	0.168	0.114	0.132	0.140	0.141	0.144	0.144	0.147	0.141#	10.69
53) TP	Dibromomethane		0.053	0.054	0.054	0.052	0.051	0.053	0.053	0.053	1.89
54) TP	1,2-Dichloropr		0.133	0.143	0.160	0.158	0.158	0.158	0.157	0.152#	6.78
56) TP	2-Chloroethyl			0.039	0.044	0.049	0.052	0.054	0.054	0.049	12.58
57) TP	Bromodichlorom		0.148	0.161	0.180	0.176	0.181	0.181	0.181	0.172#	7.47
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.34
61) TP	cis-1,3-Dichloropropene		0.130	0.156	0.192	0.207	0.214	0.217	0.218	0.191#	18.21
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.365	1.349	1.340	1.345	1.356	1.369	1.355	1.333	1.352	0.90
64) TP	Toluene		0.389	0.416	0.436	0.441	0.444	0.444	0.436	0.429	4.74
65) TP	4-Methyl-2-pen			0.022	0.028	0.034	0.036	0.040	0.041	*L	0.9965
66) TP	Tetrachloroethene	0.151	0.146	0.172	0.177	0.186	0.187	0.188	0.184	0.174	9.42
68) TP	trans-1,3-Dichloropropene		0.147	0.151	0.197	0.224	0.232	0.238	0.237	0.204#	19.58
70) TP	Ethyl methacry			0.084	0.108	0.128	0.132	0.142	0.144	0.123	18.66
71) TP	1,1,2-Trichlor		0.079	0.085	0.099	0.105	0.105	0.108	0.108	0.098#	12.08
72) TP	Chlorodibromom		0.091	0.112	0.140	0.153	0.157	0.159	0.159	0.139#	19.31
73) TP	1,3-Dichloropr		0.166	0.190	0.213	0.224	0.225	0.230	0.227	0.211	11.30
74) TP	1,2-Dibromoethane		0.076	0.088	0.107	0.118	0.118	0.122	0.122	0.107#	17.02
76) TP	2-Hexanone			0.050	0.055	0.064	0.068	0.072	0.072	0.063	14.56
77) TP	Chlorobenzene		0.453	0.477	0.495	0.497	0.494	0.490	0.481	0.484	3.20
78) TP	Ethylbenzene		0.671	0.775	0.869	0.886	0.892	0.883	0.845	0.832	9.80
79) TP	1,1,1,2-Tetrac		0.115	0.126	0.151	0.163	0.171	0.170	0.170	0.152	15.15
80) TP	p/m Xylene		0.227	0.287	0.327	0.335	0.336	0.340	0.335	0.312	13.39
81) TP	o Xylene		0.212	0.263	0.315	0.324	0.326	0.329	0.327	0.300	15.12
82) TP	Styrene		0.281	0.382	0.488	0.527	0.537	0.539	0.515	*L	0.9994
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.101	0.115	0.141	0.156	0.169	0.176	0.181	*Q	0.9996
86) TP	Isopropylbenzene		1.108	1.472	1.720	1.703	1.760	1.731	1.667	1.594	14.73
87) S	4-Bromofluorobenzene	0.933	0.926	0.927	0.935	0.901	0.911	0.911	0.909	0.919	1.39
88) TP	Bromobenzene		0.305	0.342	0.367	0.359	0.363	0.361	0.360	0.351	6.17

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2525831**
Project Name	**: CONVENTUS PRR**	**Project Number**	**: U86**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL22177**
Calibration dates	**: 04/05/25 16:58 04/06/25 11:37**		

Calibration Files
L11 =V22250406A02.D L1 =V22250405A05.D L2 =V22250405A07.D L3 =V22250405A09.D L4 =V22250405A10.D
L6 =V22250405A11.D L8 =V22250405A12.D L10 =V22250405A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89)	TP	n-Propylbenzene		1.425	1.750	2.058	2.027	2.067	2.057	1.944	1.904	12.58
90)	TP	1,4-Dichlorobu		0.416	0.434	0.482	0.474	0.484	0.499	0.508	0.471	7.20
91)	TP	1,1,2,2-Tetrachloroethane	0.254	0.231	0.235	0.260	0.258	0.265	0.271	0.276	0.256	6.24
92)	TP	4-Ethyltoluene		1.036	1.330	1.611	1.587	1.638	1.636	1.578	1.488	15.20
93)	TP	2-Chlorotoluene		0.934	1.094	1.203	1.152	1.182	1.181	1.126	1.125	8.18
94)	TP	1,3,5-Trimethy		0.861	1.096	1.310	1.276	1.351	1.362	1.343	1.228	15.15
95)	TP	1,2,3-Trichlor		0.177	0.206	0.205	0.206	0.215	0.227	0.234	0.210	8.74
96)	TP	trans-1,4-Dich		0.057	0.067	0.078	0.082	0.085	0.086	0.088	0.078	14.95
97)	TP	4-Chlorotoluene		0.954	1.105	1.219	1.183	1.212	1.213	1.194	1.154	8.37
98)	TP	tert-Butylbenzene		0.758	1.134	1.376	1.377	1.424	1.404	1.370	1.263	19.26
101)	TP	1,2,4-Trimethy		0.944	1.201	1.455	1.440	1.514	1.502	1.471	1.361	15.58
102)	TP	sec-Butylbenzene		1.068	1.459	1.778	1.777	1.832	1.795	1.698	1.630	17.03
103)	TP	p-Isopropyltol		0.798	1.138	1.445	1.445	1.529	1.506	1.434	*L	0.9992
104)	TP	1,3-Dichlorobe		0.644	0.697	0.761	0.739	0.754	0.747	0.731	0.725	5.68
105)	TP	1,4-Dichlorobe		0.684	0.706	0.747	0.723	0.741	0.730	0.721	0.722	2.99
106)	TP	p-Diethylbenzene			0.628	0.822	0.833	0.889	0.892	0.869	0.822	12.10
107)	TP	n-Butylbenzene		0.740	1.025	1.276	1.258	1.329	1.314	1.255	1.171	18.39
108)	TP	1,2-Dichlorobe		0.559	0.611	0.663	0.656	0.674	0.659	0.650	0.639	6.37
109)	TP	1,2,4,5-Tetram			0.777	1.096	1.154	1.257	1.246	1.196	1.121	15.93
110)	TP	1,2-Dibromo-3-		0.009	0.031	0.033	0.036	0.039	0.040	0.041	*L	0.9987
111)	TP	1,3,5-Trichlor		0.366	0.403	0.460	0.450	0.465	0.454	0.445	0.435	8.37
112)	TP	Hexachlorobuta		0.111	0.130	0.149	0.150	0.162	0.158	0.159	0.146	12.70
113)	TP	1,2,4-Trichlor		0.312	0.334	0.385	0.385	0.390	0.390	0.385	0.369#	8.65
114)	TP	Naphthalene		0.511	0.657	0.799	0.853	0.855	0.856	0.839	0.767	17.41
115)	TP	1,2,3-Trichlor		0.253	0.281	0.337	0.326	0.329	0.327	0.320	0.310#	10.04

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2525831**
Project Name	**: CONVENTUS PRR**	**Project Number**	**: U86**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL22247**
Calibration dates	**: 05/03/25 06:07 05/03/25 10:26**		

Calibration Files
L11 =V01250503B03.D L1 =V01250503B05.D L2 =V01250503B08.D L3 =V01250503B09.D L4 =V01250503B10.D
L6 =V01250503B11.D L8 =V01250503B12.D L10 =V01250503B13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.198	0.320	0.320	0.347	0.338	0.323	0.292	0.305	16.48
3)	TP	Chloromethane		0.141	0.174	0.163	0.194	0.196	0.200	0.201	0.181	12.63
4)	TP	Vinyl chloride	0.220	0.174	0.261	0.259	0.294	0.306	0.302	0.282	0.262	17.31
5)	TP	Bromomethane		0.051	0.051	0.061	0.084	0.124	0.143		*Q	0.9988
6)	TP	Chloroethane		0.126	0.169	0.151	0.155	0.151	0.149	0.137	0.148	9.28
7)	TP	Trichlorofluor		0.280	0.384	0.369	0.373	0.364	0.353	0.332	0.351	10.10
8)	TP	Ethyl ether		0.110	0.108	0.106	0.105	0.105	0.104	0.098	0.105	3.64
10)	TP	1,1-Dichloroet		0.155	0.227	0.226	0.227	0.223	0.225	0.226	0.215	12.40
11)	TP	Carbon disulfide		0.583	0.724	0.727	0.744	0.735	0.759	0.760	0.719	8.57
12)	TP	Freon-113		0.156	0.224	0.241	0.235	0.222	0.226	0.219	0.217	12.96
14)	TP	Acrolein			0.015	0.018	0.018	0.018	0.019	0.020	0.018	8.10
15)	TP	Methylene chlo		0.274	0.261	0.245	0.246	0.244	0.245	0.241	0.251	4.82
17)	TP	Acetone			0.028	0.025	0.025	0.024	0.025	0.025	0.025	5.71
18)	TP	trans-1,2-Dich		0.188	0.247	0.242	0.249	0.244	0.248	0.240	0.237	9.17
19)	TP	Methyl acetate		0.062	0.061	0.059	0.060	0.062	0.066	0.065	0.062	4.14
20)	TP	Methyl tert butyl ether		0.463	0.484	0.489	0.504	0.494	0.501	0.481	0.488	2.88
21)	TP	tert-Butyl alc		0.004	0.007	0.007	0.007	0.007	0.007	0.007	0.006#	19.45
22)	TP	Diisopropyl ether		0.448	0.483	0.493	0.499	0.505	0.534	0.535	0.500	6.08
23)	TP	1,1-Dichloroet		0.343	0.434	0.418	0.424	0.415	0.426	0.414	0.411	7.46
24)	TP	Halothane		0.143	0.193	0.185	0.190	0.186	0.188	0.179	0.180	9.57
25)	TP	Acrylonitrile			0.027	0.033	0.033	0.034	0.036	0.036	0.033	9.19
26)	TP	Ethyl tert-but		0.458	0.493	0.499	0.517	0.522	0.540	0.526	0.508	5.36
27)	TP	Vinyl acetate		0.199	0.213	0.230	0.230	0.232	0.250	0.241	0.228	7.46
28)	TP	cis-1,2-Dichlo		0.226	0.283	0.268	0.269	0.267	0.270	0.260	0.263	6.80
29)	TP	2,2-Dichloropr		0.245	0.338	0.320	0.342	0.334	0.337	0.320	0.319	10.71
30)	TP	Bromochloromet		0.110	0.119	0.117	0.119	0.109	0.104	0.096	0.110	7.95
31)	TP	Cyclohexane		0.244	0.344	0.355	0.358	0.361	0.384	0.378	0.346	13.60
32)	TP	Chloroform		0.399	0.448	0.430	0.446	0.430	0.434	0.413	0.429	4.08
33)	TP	Ethyl acetate			0.084	0.088	0.087	0.090	0.095	0.093	0.090	4.43
34)	TP	Carbon tetrachloride	0.284	0.236	0.327	0.340	0.350	0.344	0.342	0.329	0.319	12.27
35)	TP	Tetrahydrofuran			0.027	0.026	0.027	0.026	0.028	0.027	0.027	2.68
36)	S	Dibromofluoromethane	0.265	0.266	0.265	0.266	0.272	0.262	0.259	0.250	0.263	2.49
37)	TP	1,1,1-Trichlor		0.278	0.382	0.380	0.393	0.381	0.382	0.363	0.366	10.79
39)	TP	2-Butanone			0.035	0.034	0.034	0.035	0.037	0.037	0.035	4.10
40)	TP	1,1-Dichloropr		0.229	0.326	0.329	0.340	0.332	0.338	0.325	0.317	12.36

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2525831**
Project Name	**: CONVENTUS PRR**	**Project Number**	**: U86**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL22247**
Calibration dates	**: 05/03/25 06:07 05/03/25 10:26**		

Calibration Files
L11 =V01250503B03.D L1 =V01250503B05.D L2 =V01250503B08.D L3 =V01250503B09.D L4 =V01250503B10.D
L6 =V01250503B11.D L8 =V01250503B12.D L10 =V01250503B13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
41)	TP	Benzene	0.926	0.845	1.014	1.001	1.021	1.007	1.021	1.009	0.981	6.40
42)	TP	Tertiary-Amyl Methyl Ether		0.433	0.480	0.484	0.506	0.514	0.521	0.518	0.494	6.33
43)	S	1,2-Dichloroethane-d4	0.260	0.263	0.268	0.264	0.266	0.260	0.260	0.254	0.262	1.75
44)	TP	1,2-Dichloroethane	0.236	0.251	0.262	0.255	0.257	0.252	0.247	0.241	0.250	3.40
47)	TP	Methyl cyclohe		0.294	0.440	0.456	0.458	0.462	0.479	0.462	0.436	14.62
48)	TP	Trichloroethene	0.228	0.216	0.287	0.264	0.276	0.271	0.272	0.265	0.260	9.49
50)	TP	Dibromomethane		0.114	0.126	0.123	0.125	0.123	0.124	0.121	0.122	3.25
51)	TP	1,2-Dichloropr		0.189	0.222	0.231	0.237	0.235	0.242	0.244	0.229	8.31
53)	TP	2-Chloroethyl			0.006	0.008	0.009	0.008	0.007	0.006	0.007#	16.11
54)	TP	Bromodichlorom		0.266	0.317	0.316	0.331	0.329	0.330	0.326	0.316	7.27
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.03
58)	TP	cis-1,3-Dichloropropene	0.253	0.276	0.329	0.351	0.385	0.391	0.395	0.391	0.346	16.14
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.350	1.384	1.382	1.396	1.387	1.353	1.330	1.417	1.375	2.06
61)	TP	Toluene		0.664	0.855	0.849	0.851	0.823	0.823	0.864	0.818	8.55
62)	TP	4-Methyl-2-pen			0.040	0.046	0.050	0.050	0.052	0.057	0.049	11.98
63)	TP	Tetrachloroethene	0.293	0.253	0.360	0.359	0.358	0.343	0.339	0.347	0.331	11.62
65)	TP	trans-1,3-Dichloropropene	0.212	0.267	0.344	0.366	0.395	0.395	0.394	0.416	*L	0.9992
67)	TP	Ethyl methacry			0.224	0.259	0.280	0.284	0.298	0.300	0.274	10.49
68)	TP	1,1,2-Trichlor		0.192	0.203	0.204	0.200	0.190	0.195	0.197	0.197#	2.61
69)	TP	Chlorodibromom		0.225	0.267	0.277	0.291	0.290	0.294	0.291	0.276	8.95
70)	TP	1,3-Dichloropr		0.408	0.413	0.411	0.416	0.409	0.420	0.418	0.413	1.08
71)	TP	1,2-Dibromoethane		0.176	0.219	0.218	0.222	0.220	0.224	0.221	0.214	7.99
72)	TP	2-Hexanone			0.053	0.066	0.073	0.075	0.082	0.083	0.072	15.52
73)	TP	Chlorobenzene		0.829	0.947	0.929	0.949	0.929	0.944	0.923	0.921	4.56
74)	TP	Ethylbenzene		1.278	1.590	1.634	1.680	1.658	1.704	1.673	1.603	9.21
75)	TP	1,1,1,2-Tetrac		0.271	0.306	0.309	0.322	0.317	0.319	0.312	0.308	5.64
76)	TP	p/m Xylene		0.474	0.606	0.629	0.646	0.633	0.643	0.602	0.605	9.91
77)	TP	o Xylene		0.452	0.605	0.609	0.623	0.609	0.612	0.575	0.584	10.23
78)	TP	Styrene		0.693	0.959	0.976	1.019	1.010	1.015	0.946	0.945	12.17
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.188	0.241	0.260	0.262	0.268	0.296	0.296	0.259	14.25
82)	TP	Isopropylbenzene		2.288	3.046	3.063	2.973	3.167	3.318	3.266	3.017	11.40
83)	S	4-Bromofluorobenzene	0.959	0.968	0.945	0.942	0.909	0.995	1.006	1.023	0.968	3.88
84)	TP	Bromobenzene		0.597	0.668	0.662	0.628	0.667	0.686	0.680	0.655	4.85
85)	TP	n-Propylbenzene		2.697	3.572	3.602	3.449	3.720	3.866	3.768	3.525	11.06

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2525831**
Project Name	**: CONVENTUS PRR**	**Project Number**	**: U86**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL22247**
Calibration dates	**: 05/03/25 06:07 05/03/25 10:26**		

Calibration Files
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L6 =V01250503B11.D L8 =V01250503B12.D L10 =V01250503B13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
86) TP	1,4-Dichlorobu		0.498	0.533	0.542	0.526	0.584	0.618	0.626	0.561	8.72
87) TP	1,1,2,2-Tetrachloroethane	0.388	0.480	0.499	0.481	0.452	0.482	0.497	0.491	0.471	7.80
88) TP	4-Ethyltoluene		2.192	2.907	2.947	2.875	3.050	3.161	3.105	2.891	11.26
89) TP	2-Chlorotoluene		1.776	2.118	2.060	2.005	2.146	2.262	2.213	2.083	7.72
90) TP	1,3,5-Trimethy		1.938	2.416	2.431	2.352	2.502	2.588	2.537	2.395	9.04
91) TP	1,2,3-Trichlor		0.385	0.390	0.383	0.361	0.386	0.395	0.384	0.383	2.74
92) TP	trans-1,4-Dich			0.069	0.077	0.084	0.094	0.097	0.097	0.086	13.79
93) TP	4-Chlorotoluene		1.776	2.047	2.108	2.057	2.199	2.285	2.266	2.105	8.25
94) TP	tert-Butylbenzene		1.415	1.999	2.066	2.120	2.123	2.191	2.138	2.007	13.36
97) TP	1,2,4-Trimethy		1.727	2.271	2.341	2.426	2.434	2.510	2.464	2.310	11.66
98) TP	sec-Butylbenzene		2.143	2.997	3.023	3.103	3.122	3.238	3.158	2.969	12.57
99) TP	p-Isopropyltol		1.678	2.359	2.490	2.591	2.582	2.677	2.608	2.426	14.24
100) TP	1,3-Dichlorobe		1.042	1.295	1.262	1.295	1.285	1.308	1.282	1.253	7.50
101) TP	1,4-Dichlorobe		1.286	1.339	1.263	1.288	1.288	1.301	1.280	1.292	1.83
102) TP	p-Diethylbenzene		0.951	1.299	1.392	1.470	1.474	1.530	1.489	1.372	14.63
103) TP	n-Butylbenzene		1.353	1.963	2.035	2.133	2.155	2.254	2.211	2.015	15.30
104) TP	1,2-Dichlorobe		0.967	1.110	1.103	1.132	1.119	1.138	1.117	1.098	5.39
105) TP	1,2,4,5-Tetram		1.277	1.637	1.842	2.003	2.050	2.111	2.073	1.856	16.37
106) TP	1,2-Dibromo-3-			0.047	0.050	0.055	0.057	0.059	0.059	0.054	9.13
107) TP	1,3,5-Trichlor		0.562	0.667	0.653	0.686	0.693	0.712	0.700	0.668	7.58
108) TP	Hexachlorobuta		0.173	0.240	0.226	0.242	0.250	0.264	0.267	0.237	13.40
109) TP	1,2,4-Trichlor		0.406	0.494	0.512	0.542	0.548	0.568	0.565	0.519	10.94
110) TP	Naphthalene		0.665	0.862	0.941	1.023	1.042	1.085	1.079	0.957	15.83
111) TP	1,2,3-Trichlor		0.315	0.384	0.376	0.390	0.396	0.410	0.409	0.383#	8.44

Response Factor Report VOA 122

Method Path : K:\VOA122\2025\250405AICAL\
Method File : V122_250405A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Apr 06 12:31:29 2025
Response Via : Initial Calibration

Calibration Files
L11 =V22250406A02.D L1 =V22250405A05.D L2 =V22250405A07.D L3 =V22250405A09.D L4 =V22250405A10.D
L6 =V22250405A11.D L8 =V22250405A12.D L10 =V22250405A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.127	0.171	0.175	0.174	0.170	0.168	0.160	0.164	10.42
3)	TP	Chloromethane		0.220	0.255	0.254	0.238	0.223	0.213	0.198	0.229	9.32
4)	TP	Vinyl chloride	0.225	0.175	0.204	0.208	0.198	0.194	0.195	0.191	0.199	7.27
5)	TP	Bromomethane		0.052	0.056	0.055	0.053	0.064	0.074	0.081	0.062	18.29
6)	TP	Chloroethane		0.101	0.116	0.116	0.105	0.099	0.094	0.085	0.102	11.07
7)	TP	Trichlorofluor...		0.158	0.206	0.201	0.195	0.193	0.192	0.188	0.190	8.13
8)	TP	Ethyl ether		0.058	0.060	0.061	0.059	0.057	0.060	0.061	0.060	2.73
10)	TP	1,1-Dichloroet...		0.097	0.115	0.125	0.119	0.115	0.117	0.117	0.115	7.39
11)	TP	Carbon disulfide		0.402	0.444	0.439	0.408	0.401	0.403	0.401	0.414	4.57
12)	TP	Freon-113		0.102	0.124	0.128	0.120	0.118	0.121	0.123	0.119	7.08
13)	TP	Iodomethane									0.000#	-1.00
14)	TP	Acrolein		0.013	0.017	0.018	0.019	0.018	0.019	0.019	0.017	12.53
15)	TP	Methylene chlo...		0.147	0.156	0.146	0.136	0.132	0.133	0.132	0.140	6.61
17)	TP	Acetone			0.037	0.030	0.028	0.026	0.026	0.026	0.029	14.56
18)	TP	trans-1,2-Dich...		0.118	0.141	0.140	0.133	0.129	0.130	0.130	0.132	5.91
19)	TP	Methyl acetate		0.087	0.084	0.075	0.074	0.069	0.071	0.072	0.076	9.03
21)	TP	Methyl tert-bu...		0.190	0.228	0.254	0.255	0.257	0.274	0.280	0.248	12.29
22)	TP	tert-Butyl alc...		0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.006#	10.45
24)	TP	Diisopropyl ether		0.400	0.456	0.511	0.520	0.521	0.518	0.511	0.491	9.39
25)	TP	1,1-Dichloroet...		0.266	0.314	0.307	0.294	0.286	0.282	0.276	0.289#	5.80
26)	TP	Halothane		0.093	0.100	0.102	0.096	0.095	0.099	0.099	0.098	3.03
27)	TP	Acrylonitrile		0.027	0.034	0.036	0.036	0.034	0.034	0.035	0.034	9.27
28)	TP	Ethyl tert-but...		0.253	0.287	0.341	0.360	0.370	0.387	0.391	0.341	15.34
29)	TP	Vinyl acetate			0.229	0.257	0.273	0.277	0.286	0.285	0.268	8.12
30)	TP	cis-1,2-Dichlo...		0.125	0.151	0.151	0.142	0.139	0.139	0.138	0.141#	6.28
31)	TP	2,2-Dichloropr...		0.166	0.196	0.196	0.187	0.187	0.188	0.187	0.187	5.29
32)	TP	Bromochloromet...		0.067	0.064	0.067	0.063	0.060	0.058	0.057	0.062#	5.96
33)	TP	Cyclohexane		0.191	0.282	0.325	0.327	0.325	0.324	0.319	0.299	16.80
34)	TP	Chloroform		0.239	0.263	0.244	0.234	0.230	0.236	0.235	0.240#	4.49
35)	TP	Ethyl acetate			0.081	0.092	0.095	0.093	0.097	0.098	0.093	6.38

Method Path : K:\VOA122\2025\250405AICAL\
Method File : V122_250405A_8260.m
Title : VOLATILES BY GC/MS
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Calibration Files
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L6 =V22250405A11.D L8 =V22250405A12.D L10 =V22250405A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.183	0.137	0.181	0.187	0.183	0.183	0.187	0.185	0.178	9.46
37)	TP	Tetrahydrofuran			0.029	0.033	0.030	0.029	0.030	0.030	0.030	5.31
38)	S	Dibromofluorom...	0.285	0.299	0.297	0.283	0.265	0.258	0.256	0.257	0.275	6.62
39)	TP	1,1,1-Trichlor...		0.156	0.209	0.211	0.204	0.204	0.201	0.202	0.198	9.50
41)	TP	2-Butanone			0.040	0.037	0.043	0.038	0.042	0.042	0.040	5.90
42)	TP	1,1-Dichloropr...		0.134	0.163	0.184	0.191	0.191	0.191	0.190	0.178	12.27
44)	TP	Benzene	0.529	0.433	0.511	0.539	0.538	0.537	0.537	0.529	0.519	6.91
45)	TP	tert-Amyl meth...		0.173	0.201	0.230	0.249	0.267	0.285	0.293	0.242	18.20
46)	S	1,2-Dichloroet...	0.328	0.316	0.322	0.306	0.292	0.282	0.287	0.294	0.303	5.72
47)	T	1,2-Dichloroet...	0.198	0.175	0.177	0.173	0.169	0.165	0.165	0.163	0.173	6.44
50)	TP	Methyl cyclohe...			0.190	0.217	0.235	0.250	0.260	0.262	0.236	11.86
51)	TP	Trichloroethene	0.168	0.114	0.132	0.140	0.141	0.144	0.144	0.147	0.141#	10.69
53)	TP	Dibromomethane		0.053	0.054	0.054	0.052	0.051	0.053	0.053	0.053	1.89
54)	TP	1,2-Dichloropr...		0.133	0.143	0.160	0.158	0.158	0.158	0.157	0.152#	6.78
56)	TP	2-Chloroethyl ...			0.039	0.044	0.049	0.052	0.054	0.054	0.049	12.58
57)	TP	Bromodichlorom...		0.148	0.161	0.180	0.176	0.181	0.181	0.181	0.172#	7.47
60)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.34
61)	TP	cis-1,3-Dichlo...		0.130	0.156	0.192	0.207	0.214	0.217	0.218	0.191#	18.21
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.365	1.349	1.340	1.345	1.356	1.369	1.355	1.333	1.352	0.90
64)	TP	Toluene		0.389	0.416	0.436	0.441	0.444	0.444	0.436	0.429	4.74
65)	TP	4-Methyl-2-pen...			0.022	0.028	0.034	0.036	0.040	0.041	*L	0.9965
66)	TP	Tetrachloroethene	0.151	0.146	0.172	0.177	0.186	0.187	0.188	0.184	0.174	9.42
68)	TP	trans-1,3-Dich...		0.147	0.151	0.197	0.224	0.232	0.238	0.237	0.204#	19.58
70)	TP	Ethyl methacry...			0.084	0.108	0.128	0.132	0.142	0.144	0.123	18.66
71)	TP	1,1,2-Trichlor...		0.079	0.085	0.099	0.105	0.105	0.108	0.108	0.098#	12.08
72)	TP	Chlorodibromom...		0.091	0.112	0.140	0.153	0.157	0.159	0.159	0.139#	19.31
73)	TP	1,3-Dichloropr...		0.166	0.190	0.213	0.224	0.225	0.230	0.227	0.211	11.30
74)	TP	1,2-Dibromoethane		0.076	0.088	0.107	0.118	0.118	0.122	0.122	0.107#	17.02
76)	TP	2-Hexanone			0.050	0.055	0.064	0.068	0.072	0.072	0.063	14.56
77)	TP	Chlorobenzene		0.453	0.477	0.495	0.497	0.494	0.490	0.481	0.484	3.20

Method Path : K:\VOA122\2025\250405AICAL\
Method File : V122_250405A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Apr 06 12:31:29 2025
Response Via : Initial Calibration

Calibration Files
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L6 =V22250405A11.D L8 =V22250405A12.D L10 =V22250405A13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
78)	TP	Ethylbenzene		0.671	0.775	0.869	0.886	0.892	0.883	0.845	0.832		9.80
79)	TP	1,1,1,2-Tetrac...		0.115	0.126	0.151	0.163	0.171	0.170	0.170	0.152		15.15
80)	TP	p/m Xylene		0.227	0.287	0.327	0.335	0.336	0.340	0.335	0.312		13.39
81)	TP	o Xylene		0.212	0.263	0.315	0.324	0.326	0.329	0.327	0.300		15.12
82)	TP	Styrene		0.281	0.382	0.488	0.527	0.537	0.539	0.515	*L		0.9994
83)	I	1,4-Dichlorobenzene-d4		----------ISTD----------									
84)	TP	Bromoform		0.101	0.115	0.141	0.156	0.169	0.176	0.181	*Q		0.9996
86)	TP	Isopropylbenzene		1.108	1.472	1.720	1.703	1.760	1.731	1.667	1.594		14.73
87)	S	4-Bromofluorob...	0.933	0.926	0.927	0.935	0.901	0.911	0.911	0.909	0.919		1.39
88)	TP	Bromobenzene		0.305	0.342	0.367	0.359	0.363	0.361	0.360	0.351		6.17
89)	TP	n-Propylbenzene		1.425	1.750	2.058	2.027	2.067	2.057	1.944	1.904		12.58
90)	TP	1,4-Dichlorobu...		0.416	0.434	0.482	0.474	0.484	0.499	0.508	0.471		7.20
91)	TP	1,1,2,2-Tetrac...	0.254	0.231	0.235	0.260	0.258	0.265	0.271	0.276	0.256		6.24
92)	TP	4-Ethyltoluene		1.036	1.330	1.611	1.587	1.638	1.636	1.578	1.488		15.20
93)	TP	2-Chlorotoluene		0.934	1.094	1.203	1.152	1.182	1.181	1.126	1.125		8.18
94)	TP	1,3,5-Trimethy...		0.861	1.096	1.310	1.276	1.351	1.362	1.343	1.228		15.15
95)	TP	1,2,3-Trichlor...		0.177	0.206	0.205	0.206	0.215	0.227	0.234	0.210		8.74
96)	TP	trans-1,4-Dich...		0.057	0.067	0.078	0.082	0.085	0.086	0.088	0.078		14.95
97)	TP	4-Chlorotoluene		0.954	1.105	1.219	1.183	1.212	1.213	1.194	1.154		8.37
98)	TP	tert-Butylbenzene		0.758	1.134	1.376	1.377	1.424	1.404	1.370	1.263		19.26
101)	TP	1,2,4-Trimethy...		0.944	1.201	1.455	1.440	1.514	1.502	1.471	1.361		15.58
102)	TP	sec-Butylbenzene		1.068	1.459	1.778	1.777	1.832	1.795	1.698	1.630		17.03
103)	TP	p-Isopropyltol...		0.798	1.138	1.445	1.445	1.529	1.506	1.434	*L		0.9992
104)	TP	1,3-Dichlorobe...		0.644	0.697	0.761	0.739	0.754	0.747	0.731	0.725		5.68
105)	TP	1,4-Dichlorobe...		0.684	0.706	0.747	0.723	0.741	0.730	0.721	0.722		2.99
106)	TP	p-Diethylbenzene			0.628	0.822	0.833	0.889	0.892	0.869	0.822		12.10
107)	TP	n-Butylbenzene		0.740	1.025	1.276	1.258	1.329	1.314	1.255	1.171		18.39
108)	TP	1,2-Dichlorobe...		0.559	0.611	0.663	0.656	0.674	0.659	0.650	0.639		6.37
109)	TP	1,2,4,5-Tetram...			0.777	1.096	1.154	1.257	1.246	1.196	1.121		15.93
110)	TP	1,2-Dibromo-3-...		0.009	0.031	0.033	0.036	0.039	0.040	0.041	*L		0.9987
111)	TP	1,3,5-Trichlor...		0.366	0.403	0.460	0.450	0.465	0.454	0.445	0.435		8.37

Method Path : K:\VOA122\2025\250405AICAL\
Method File : V122_250405A_8260.m
Title : VOLATILES BY GC/MS
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L6 =V22250405A11.D L8 =V22250405A12.D L10 =V22250405A13.D

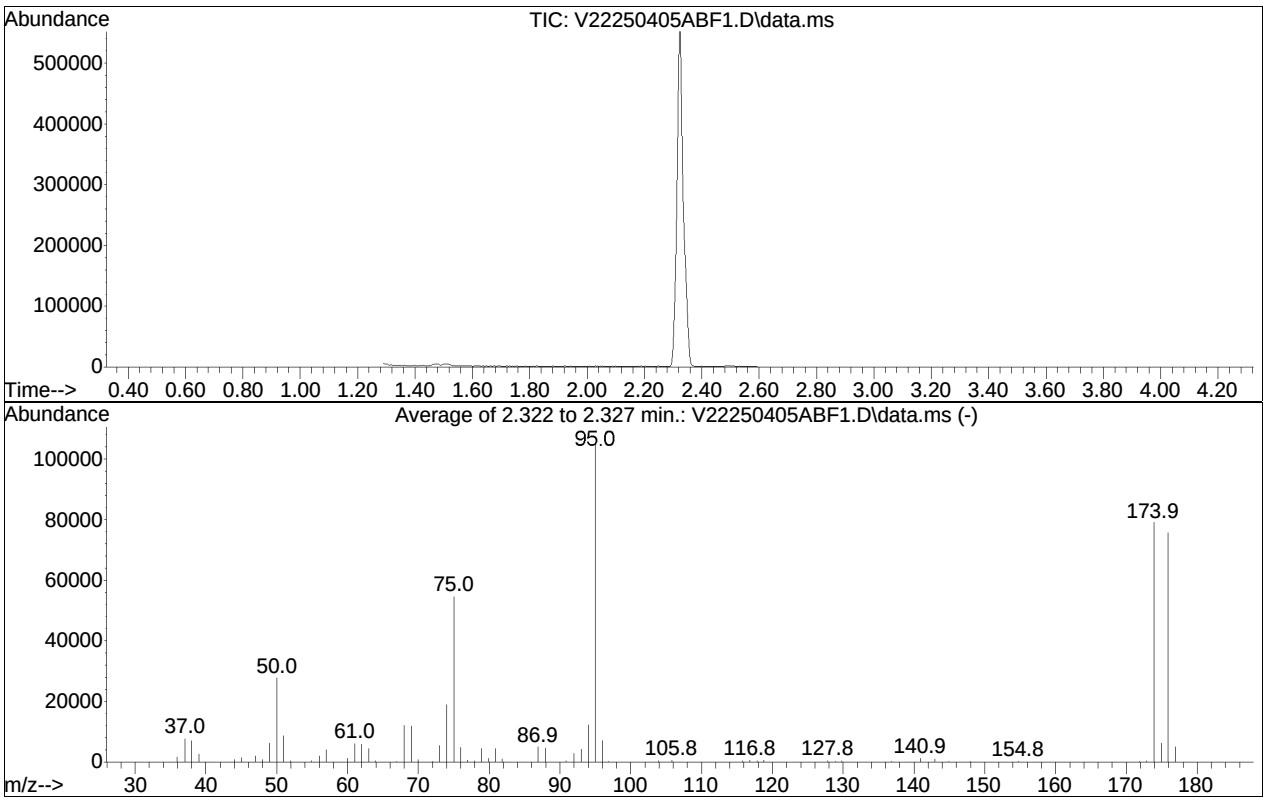
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
112)	TP Hexachlorobuta...	0.111	0.130	0.149	0.150	0.162	0.158	0.159	0.146	12.70	
113)	TP 1,2,4-Trichlor...	0.312	0.334	0.385	0.385	0.390	0.390	0.385	0.369#	8.65	
114)	TP Naphthalene	0.511	0.657	0.799	0.853	0.855	0.856	0.839	0.767	17.41	
115)	TP 1,2,3-Trichlor...	0.253	0.281	0.337	0.326	0.329	0.327	0.320	0.310#	10.04	

(#) = Out of Range

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405ABF1.D
Acq On : 05 Apr 2025 03:07 pm
Operator : VOA122:PID
Sample : WG2050134-1
Misc : WG2050134
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Apr 06 12:31:29 2025



AutoFind: Scans 371, 372, 373; Background Corrected with Scan 357

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.3	27771	PASS
75	95	30	60	51.9	54667	PASS
95	95	100	100	100.0	105427	PASS
96	95	5	9	6.8	7190	PASS
173	174	0.00	2	0.5	395	PASS
174	95	50	100	75.0	79051	PASS
175	174	5	9	8.0	6328	PASS
176	174	95	101	95.8	75701	PASS
177	176	5	9	6.7	5108	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A05.D
Acq On : 05 Apr 2025 04:58 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:22:04 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.877	96	501623	10.000 ug/L	0.00
Standard Area 1 = 544981			Recovery =	92.04%	
62) Chlorobenzene-d5	9.414	117	396907	10.000 ug/L	0.00
Standard Area 1 = 418617			Recovery =	94.81%	
83) 1,4-Dichlorobenzene-d4	12.146	152	193724	10.000 ug/L	0.00
Standard Area 1 = 210994			Recovery =	91.81%	
System Monitoring Compounds					
38) Dibromofluoromethane	5.068	113	150041	10.814 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.14%	
46) 1,2-Dichloroethane-d4	5.591	65	158383	10.402 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.02%	
63) Toluene-d8	7.569	98	535265	9.990 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.90%	
87) 4-Bromofluorobenzene	10.922	95	179455	10.101 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.01%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.585	85	3175	0.387 ug/L	97
3) Chloromethane	1.758	50	5511	0.481 ug/L	98
4) Vinyl chloride	1.836	62	4386	0.403 ug/L	97
5) Bromomethane	2.134	94	1308	0.419 ug/L	98
6) Chloroethane	2.244	64	2523	0.492 ug/L	85
7) Trichlorofluoromethane	2.385	101	3965	0.415 ug/L	91
8) Ethyl ether	2.668	74	1450	0.486 ug/L #	88
10) 1,1-Dichloroethene	2.856	96	2443	0.424 ug/L	96
11) Carbon disulfide	2.887	76	10072	0.485 ug/L	94
12) Freon-113	2.903	101	2546	0.425 ug/L	93
13) Iodomethane	3.005	142	185	N.D.	
14) Acrolein	3.170	56	322	0.367 ug/L	84
15) Methylene chloride	3.397	84	3679	0.523 ug/L	96
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.554	96	2957	0.448 ug/L	93
19) Methyl acetate	3.554	43	2178	0.572 ug/L #	66
21) Methyl tert-butyl ether	3.648	73	4774	0.383 ug/L	91
22) tert-Butyl alcohol	3.719	59	644	2.211 ug/L #	76
24) Diisopropyl ether	4.001	45	10032	0.407 ug/L	95
25) 1,1-Dichloroethane	4.119	63	6684	0.461 ug/L	96
26) Halothane	4.166	117	2327	0.475 ug/L	92

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A05.D
Acq On : 05 Apr 2025 04:58 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:22:04 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.166	53	676	0.401	ug/L	#	79
28) Ethyl tert-butyl ether	4.347	59	6354	0.371	ug/L		95
29) Vinyl acetate	0.000		0	N.D.	d		
30) cis-1,2-Dichloroethene	4.629	96	3140	0.445	ug/L		91
31) 2,2-Dichloropropane	4.739	77	4175	0.446	ug/L		94
32) Bromochloromethane	4.817	128	1669	0.533	ug/L		98
33) Cyclohexane	4.833	56	4791	0.319	ug/L		99
34) Chloroform	4.896	83	6001	0.498	ug/L		98
35) Ethyl acetate	0.000		0	N.D.	d		
36) Carbon tetrachloride	5.037	117	3434	0.367	ug/L	#	84
37) Tetrahydrofuran	0.000		0	N.D.	d		
39) 1,1,1-Trichloroethane	5.100	97	3919	0.394	ug/L		95
41) 2-Butanone	0.000		0	N.D.	d		
42) 1,1-Dichloropropene	5.217	75	3360	0.377	ug/L		85
44) Benzene	5.458	78	10865	0.372	ug/L		100
45) tert-Amyl methyl ether	5.577	73	4344	0.357	ug/L		93
47) 1,2-Dichloroethane	5.668	62	4389	0.497	ug/L		90
50) Methyl cyclohexane	6.051	83	3287	0.297	ug/L		95
51) Trichloroethene	6.058	95	2861	0.366	ug/L		90
53) Dibromomethane	6.491	93	1317	0.497	ug/L		95
54) 1,2-Dichloropropane	6.596	63	3337	0.436	ug/L		95
56) 2-Chloroethyl vinyl ether	7.291	63	716	0.311	ug/L	#	69
57) Bromodichloromethane	6.665	83	3717	0.430	ug/L	#	91
60) 1,4-Dioxane	6.874	88	2666	82.546	ug/L		98
61) cis-1,3-Dichloropropene	7.360	75	3249	0.339	ug/L		95
64) Toluene	7.631	92	7717	0.453	ug/L		99
65) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
66) Tetrachloroethene	8.076	166	2904	0.380	ug/L		87
68) trans-1,3-Dichloropropene	8.111	75	2923	0.371	ug/L		85
70) Ethyl methacrylate	8.305	69	1565	0.338	ug/L	#	89
71) 1,1,2-Trichloroethane	8.284	83	1564	0.400	ug/L		87
72) Chlorodibromomethane	8.500	129	1811	0.329	ug/L		95
73) 1,3-Dichloropropane	8.611	76	3296	0.394	ug/L		99
74) 1,2-Dibromoethane	8.778	107	1502	0.353	ug/L		98
76) 2-Hexanone	0.000		0	N.D.	d		
77) Chlorobenzene	9.435	112	8995	0.468	ug/L	#	56
78) Ethylbenzene	9.477	91	13321	0.404	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.519	131	2283	0.378	ug/L	#	64
80) p/m Xylene	9.666	106	9012	0.727	ug/L		99
81) o Xylene	10.206	106	8400	0.706	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A05.D
Acq On : 05 Apr 2025 04:58 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:22:04 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.277	104	11145	0.601	ug/L		99
84) Bromoform	10.298	173	974	0.338	ug/L		89
86) Isopropylbenzene	10.599	105	10729	0.347	ug/L		98
88) Bromobenzene	11.034	156	2956	0.435	ug/L		92
89) n-Propylbenzene	11.090	91	13799	0.374	ug/L		98
90) 1,4-Dichlorobutane	11.097	55	4026	0.441	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.167	83	2241	0.455	ug/L	#	93
92) 4-Ethyltoluene	11.216	105	10033	0.348	ug/L		97
93) 2-Chlorotoluene	11.251	91	9046M6	0.415	ug/L		
94) 1,3,5-Trimethylbenzene	11.321	105	8338	0.350	ug/L		99
95) 1,2,3-Trichloropropane	11.307	75	1713	0.421	ug/L		94
96) trans-1,4-Dichloro-2-b...	11.357	53	549	0.365	ug/L	#	62
97) 4-Chlorotoluene	11.434	91	9238	0.413	ug/L		93
98) tert-Butylbenzene	11.658	119	7341	0.300	ug/L		98
101) 1,2,4-Trimethylbenzene	11.735	105	9146	0.347	ug/L		97
102) sec-Butylbenzene	11.853	105	10341	0.328	ug/L		97
103) p-Isopropyltoluene	12.013	119	7733	0.301	ug/L		97
104) 1,3-Dichlorobenzene	12.069	146	6241	0.444	ug/L		98
105) 1,4-Dichlorobenzene	12.160	146	6623M3	0.474	ug/L		
106) p-Diethylbenzene	12.389	119	4624	0.309	ug/L		96
107) n-Butylbenzene	12.445	91	7166	0.316	ug/L		97
108) 1,2-Dichlorobenzene	12.584	146	5410	0.437	ug/L		97
109) 1,2,4,5-Tetramethylben...	13.183	119	5803	0.286	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.364	155	85	0.135	ug/L	#	45
111) 1,3,5-Trichlorobenzene	13.406	180	3547	0.421	ug/L		95
112) Hexachlorobutadiene	13.983	225	1075	0.381	ug/L		89
113) 1,2,4-Trichlorobenzene	14.004	180	3026	0.423	ug/L		96
114) Naphthalene	14.297	128	4947	0.333	ug/L		100
115) 1,2,3-Trichlorobenzene	14.471	180	2447	0.407	ug/L		95

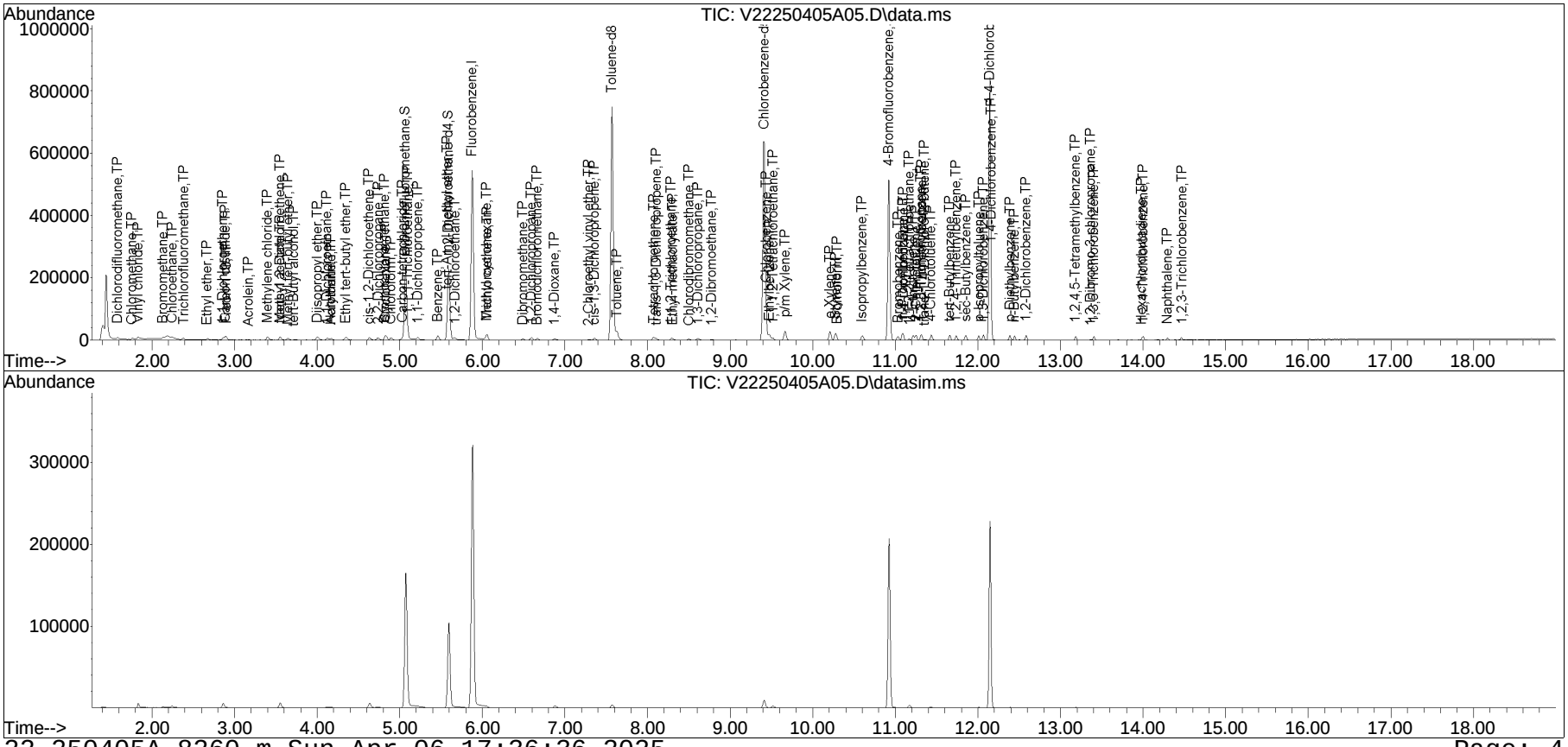
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A05.D
Acq On : 05 Apr 2025 04:58 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 06 10:22:04 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

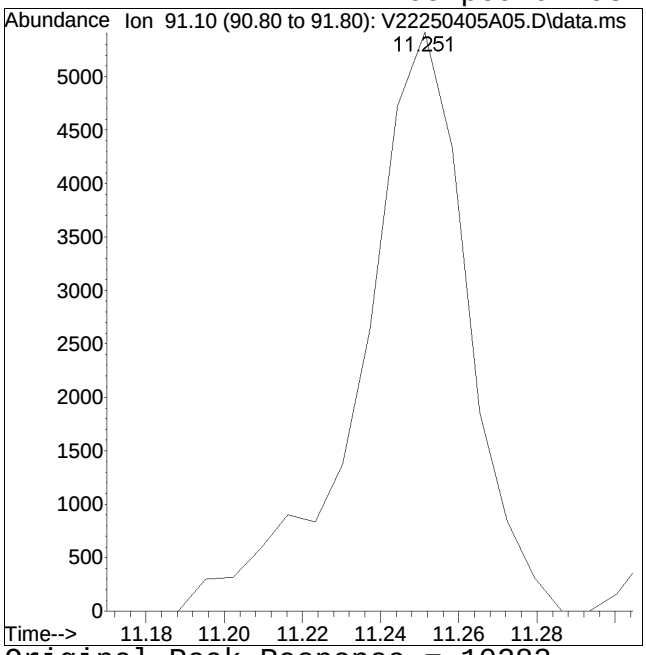
Sub List : 8260-Curve - Megamix plus Diox\V22250405A09.D•



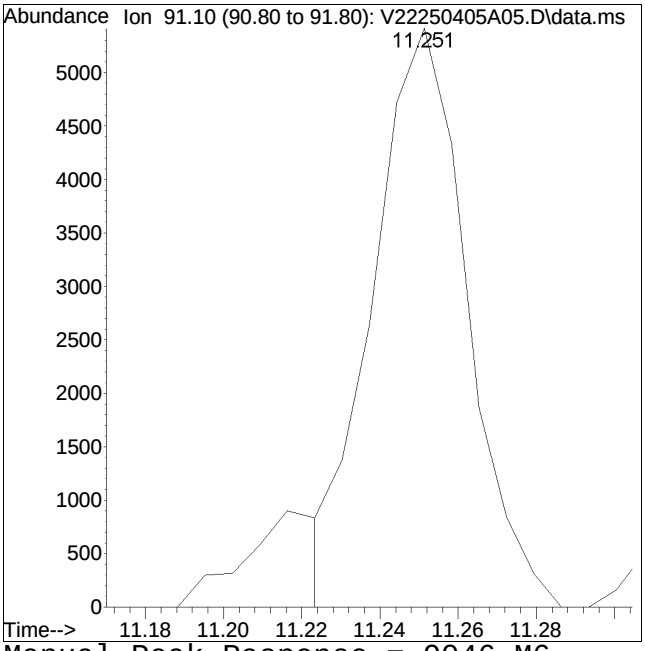
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A05.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 4:58 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 4/6/2025 10:21 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 10282



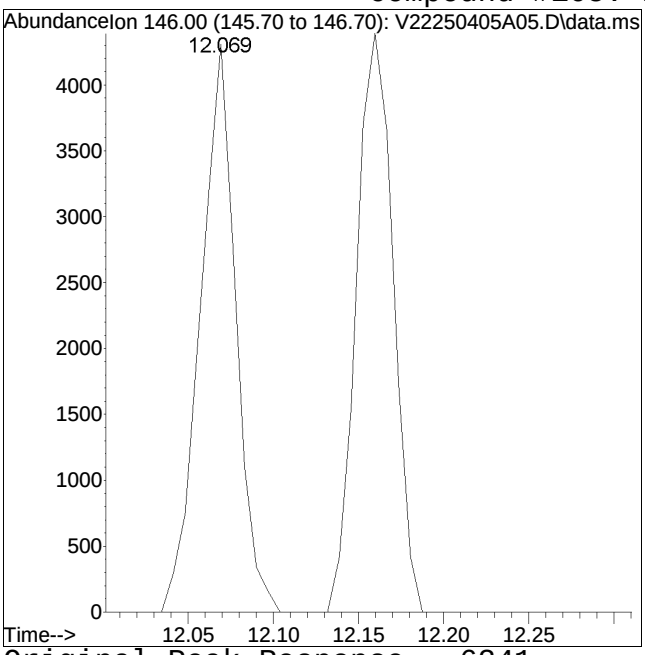
Manual Peak Response = 9046 M6

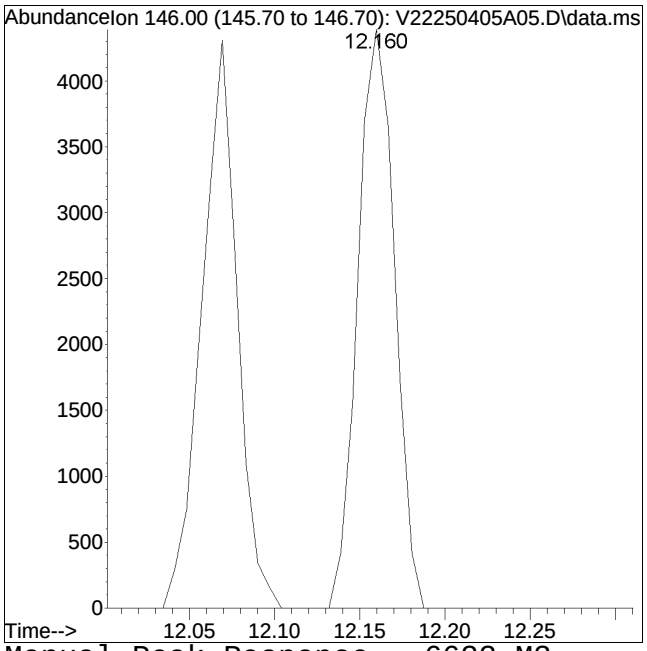
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A05.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 4:58 pm Instrument : VOA 122
Sample : I8260STD0.5PPB Quant Date : 4/6/2025 10:21 am

Compound #105: 1,4-Dichlorobenzene





Original Peak Response = 6241 Manual Peak Response = 6623 M3

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A07.D
Acq On : 05 Apr 2025 05:47 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 10:22:12 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.877	96	507298	10.000 ug/L	0.00
Standard Area 1 = 544981			Recovery = 93.09%		
62) Chlorobenzene-d5	9.414	117	401366	10.000 ug/L	0.00
Standard Area 1 = 418617			Recovery = 95.88%		
83) 1,4-Dichlorobenzene-d4	12.146	152	200969	10.000 ug/L	0.00
Standard Area 1 = 210994			Recovery = 95.25%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.076	113	150794	10.747 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.47%		
46) 1,2-Dichloroethane-d4	5.591	65	163468	10.616 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.16%		
63) Toluene-d8	7.569	98	537892	9.928 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.28%		
87) 4-Bromofluorobenzene	10.922	95	186356	10.111 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.11%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.585	85	17353	2.091 ug/L	97
3) Chloromethane	1.766	50	25871	2.231 ug/L	99
4) Vinyl chloride	1.836	62	20737	1.884 ug/L	97
5) Bromomethane	2.134	94	5698	1.806 ug/L	96
6) Chloroethane	2.244	64	11730	2.260 ug/L	100
7) Trichlorofluoromethane	2.385	101	20909	2.164 ug/L	99
8) Ethyl ether	2.676	74	6093	2.018 ug/L	98
10) 1,1-Dichloroethene	2.864	96	11633	1.995 ug/L	88
11) Carbon disulfide	2.895	76	45010	2.143 ug/L	99
12) Freon-113	2.903	101	12605	2.082 ug/L	96
13) Iodomethane	2.989	142	1548	0.385 ug/L #	82
14) Acrolein	3.170	56	1703	1.919 ug/L	98
15) Methylene chloride	3.405	84	15803	2.222 ug/L	95
17) Acetone	3.444	43	3707	2.550 ug/L #	84
18) trans-1,2-Dichloroethene	3.554	96	14282	2.139 ug/L	98
19) Methyl acetate	3.554	43	8531	2.215 ug/L #	93
21) Methyl tert-butyl ether	3.648	73	23138	1.837 ug/L	96
22) tert-Butyl alcohol	3.727	59	2571	8.727 ug/L #	56
24) Diisopropyl ether	4.001	45	46311	1.859 ug/L	99
25) 1,1-Dichloroethane	4.127	63	31836	2.169 ug/L	96
26) Halothane	4.174	117	10119	2.044 ug/L	96

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A07.D
Acq On : 05 Apr 2025 05:47 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 10:22:12 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.166	53	3420	2.005	ug/L		98
28) Ethyl tert-butyl ether	4.347	59	29089	1.680	ug/L		96
29) Vinyl acetate	4.355	43	23219	1.709	ug/L		100
30) cis-1,2-Dichloroethene	4.637	96	15366	2.152	ug/L		99
31) 2,2-Dichloropropane	4.739	77	19933	2.103	ug/L		97
32) Bromochloromethane	4.825	128	6531	2.061	ug/L		97
33) Cyclohexane	4.841	56	28618	1.886	ug/L		100
34) Chloroform	4.896	83	26658	2.187	ug/L		98
35) Ethyl acetate	5.006	43	8249	1.757	ug/L		99
36) Carbon tetrachloride	5.037	117	18341	1.939	ug/L	#	95
37) Tetrahydrofuran	5.053	42	2898M6	1.901	ug/L		
39) 1,1,1-Trichloroethane	5.100	97	21162	2.105	ug/L		99
41) 2-Butanone	5.194	43	4079	1.999	ug/L	#	52
42) 1,1-Dichloropropene	5.218	75	16557	1.836	ug/L		93
44) Benzene	5.465	78	51840	1.756	ug/L		98
45) tert-Amyl methyl ether	5.577	73	20362	1.656	ug/L		95
47) 1,2-Dichloroethane	5.668	62	17978	2.011	ug/L		100
50) Methyl cyclohexane	6.052	83	19308	1.724	ug/L		99
51) Trichloroethene	6.059	95	13368	1.689	ug/L		95
53) Dibromomethane	6.491	93	5464	2.040	ug/L		97
54) 1,2-Dichloropropane	6.596	63	14491	1.874	ug/L		97
56) 2-Chloroethyl vinyl ether	7.291	63	3914	1.683	ug/L		95
57) Bromodichloromethane	6.665	83	16301	1.864	ug/L		100
60) 1,4-Dioxane	6.874	88	12911	395.284	ug/L		98
61) cis-1,3-Dichloropropene	7.360	75	15837	1.632	ug/L		98
64) Toluene	7.631	92	33379	1.937	ug/L		100
65) 4-Methyl-2-pentanone	8.062	58	1765	1.312	ug/L		76
66) Tetrachloroethene	8.076	166	13788	1.786	ug/L		94
68) trans-1,3-Dichloropropene	8.111	75	12107	1.518	ug/L		97
70) Ethyl methacrylate	8.305	69	6735	1.439	ug/L		94
71) 1,1,2-Trichloroethane	8.285	83	6803	1.722	ug/L		98
72) Chlorodibromomethane	8.500	129	9000	1.618	ug/L		98
73) 1,3-Dichloropropane	8.611	76	15281	1.807	ug/L		98
74) 1,2-Dibromoethane	8.771	107	7077	1.646	ug/L		96
76) 2-Hexanone	9.071	43	3975	1.562	ug/L	#	86
77) Chlorobenzene	9.435	112	38309	1.972	ug/L		94
78) Ethylbenzene	9.477	91	62197	1.863	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.512	131	10078	1.651	ug/L		97
80) p/m Xylene	9.667	106	46000	3.669	ug/L		100
81) o Xylene	10.214	106	42208	3.510	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A07.D
Acq On : 05 Apr 2025 05:47 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 10:22:12 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.277	104	61327	3.272	ug/L	99
84) Bromoform	10.291	173	4639	1.553	ug/L	98
86) Isopropylbenzene	10.599	105	59165	1.846	ug/L	98
88) Bromobenzene	11.034	156	13757	1.950	ug/L	98
89) n-Propylbenzene	11.090	91	70341	1.838	ug/L	99
90) 1,4-Dichlorobutane	11.097	55	17446	1.843	ug/L	96
91) 1,1,2,2-Tetrachloroethane	11.167	83	9443	1.848	ug/L	94
92) 4-Ethyltoluene	11.216	105	53451	1.788	ug/L	98
93) 2-Chlorotoluene	11.251	91	43965M6	1.945	ug/L	
94) 1,3,5-Trimethylbenzene	11.315	105	44053	1.784	ug/L	99
95) 1,2,3-Trichloropropane	11.308	75	8295	1.967	ug/L	95
96) trans-1,4-Dichloro-2-b...	11.364	53	2700	1.729	ug/L	88
97) 4-Chlorotoluene	11.434	91	44422	1.915	ug/L	99
98) tert-Butylbenzene	11.658	119	45567	1.795	ug/L	99
101) 1,2,4-Trimethylbenzene	11.742	105	48287	1.765	ug/L	98
102) sec-Butylbenzene	11.853	105	58631	1.790	ug/L	100
103) p-Isopropyltoluene	12.014	119	45739	1.714	ug/L	99
104) 1,3-Dichlorobenzene	12.069	146	28017	1.923	ug/L	98
105) 1,4-Dichlorobenzene	12.160	146	28362	1.955	ug/L	94
106) p-Diethylbenzene	12.389	119	25222	1.624	ug/L	99
107) n-Butylbenzene	12.445	91	41205	1.751	ug/L	99
108) 1,2-Dichlorobenzene	12.584	146	24540	1.911	ug/L	100
109) 1,2,4,5-Tetramethylben...	13.183	119	31239	1.486	ug/L	97
110) 1,2-Dibromo-3-chloropr...	13.371	155	1231	1.888	ug/L	96
111) 1,3,5-Trichlorobenzene	13.406	180	16198	1.854	ug/L	99
112) Hexachlorobutadiene	13.990	225	5236	1.790	ug/L	99
113) 1,2,4-Trichlorobenzene	14.004	180	13420	1.810	ug/L	98
114) Naphthalene	14.297	128	26400	1.713	ug/L	100
115) 1,2,3-Trichlorobenzene	14.471	180	11297	1.812	ug/L	92

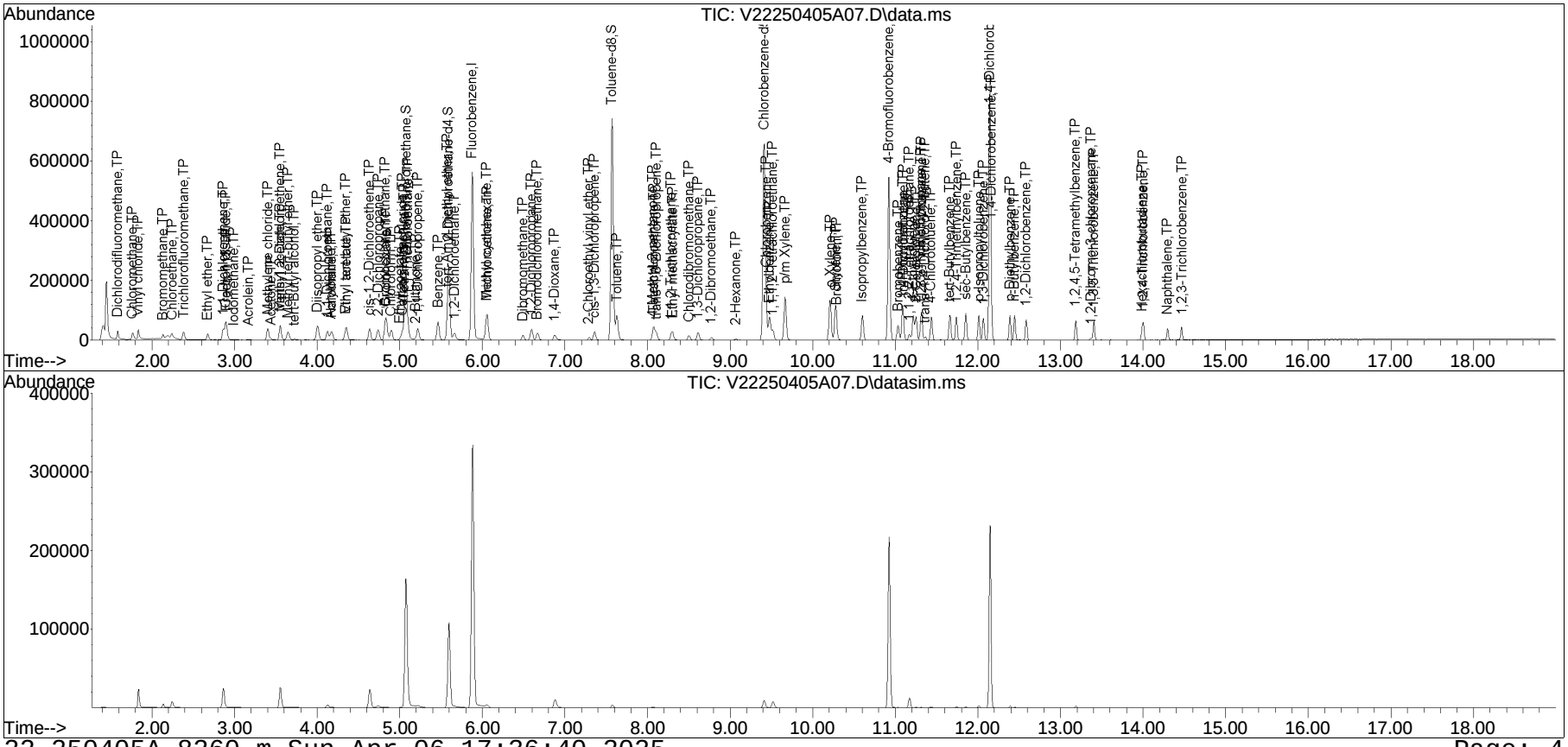
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A07.D
Acq On : 05 Apr 2025 05:47 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 10:22:12 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V22250405A09.D•

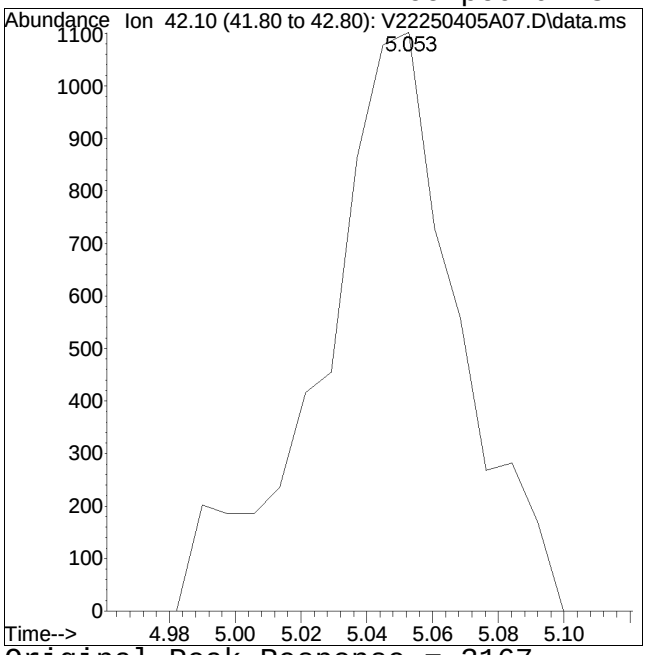


Manual Integration Report

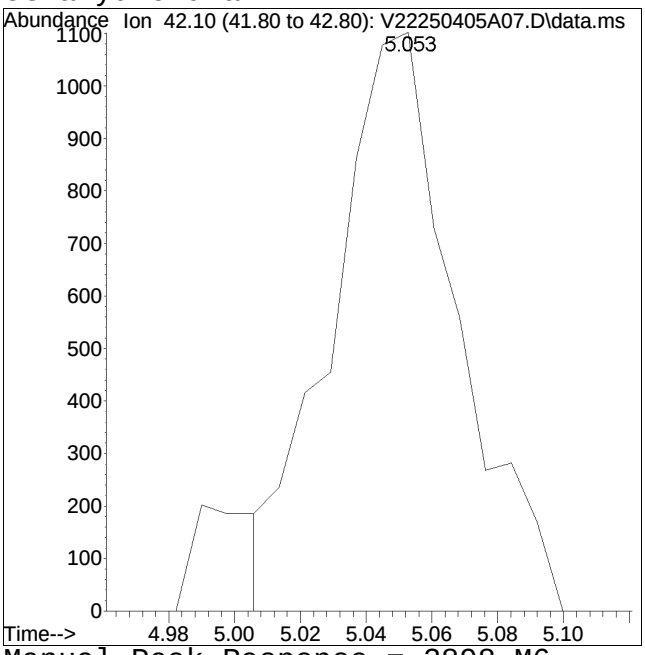
Data Path : K:\VOA122\2025\250405AICALQ
Data File : V22250405A07.D
Date Inj'd : 4/5/2025 5:47 pm
Sample : I8260STD2PPB

Method : V122_250405A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 4/6/2025 10:22 am

Compound #37: Tetrahydrofuran



Original Peak Response = 3167



Manual Peak Response = 2898 M6

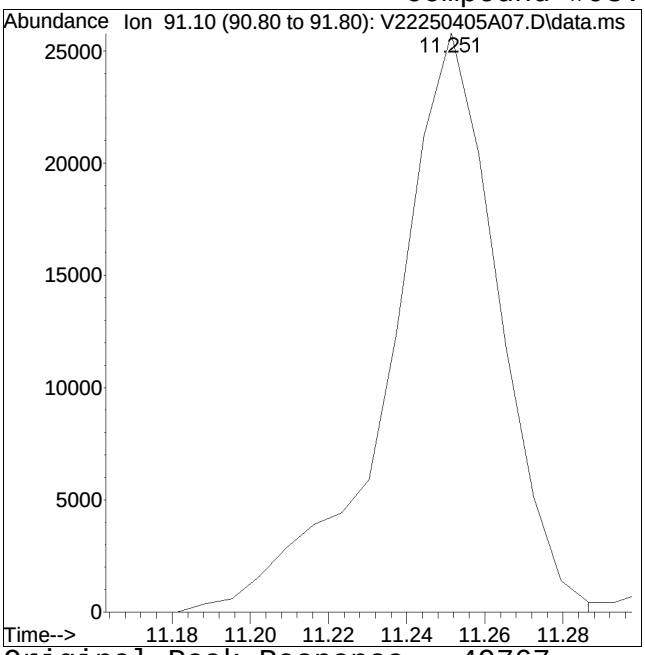
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

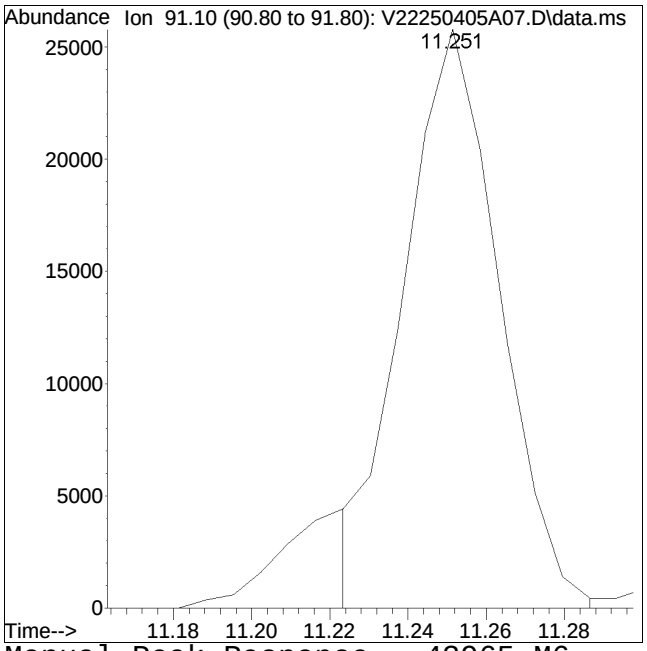
Data Path : K:\VOA122\2025\250405AICALQ
Data File : V22250405A07.D
Date Inj'd : 4/5/2025 5:47 pm
Sample : I8260STD2PPB

Method : V122_250405A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 4/6/2025 10:22 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 49767



Manual Peak Response = 43965 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A09.D
Acq On : 05 Apr 2025 06:37 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 10:22:20 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	544981	10.000	ug/L	0.00
Standard Area 1 = 544981			Recovery = 100.00%			
62) Chlorobenzene-d5	9.414	117	418617	10.000	ug/L	0.00
Standard Area 1 = 418617			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.146	152	210994	10.000	ug/L	0.00
Standard Area 1 = 210994			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.076	113	154360	10.241	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.41%			
46) 1,2-Dichloroethane-d4	5.591	65	166762	10.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.81%			
63) Toluene-d8	7.569	98	563060	9.964	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.64%			
87) 4-Bromofluorobenzene	10.922	95	197265	10.194	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.94%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.585	85	95578	10.723	ug/L	100
3) Chloromethane	1.765	50	138224	11.097	ug/L	100
4) Vinyl chloride	1.836	62	113522	9.599	ug/L	100
5) Bromomethane	2.134	94	29980	8.844	ug/L	100
6) Chloroethane	2.244	64	63415	11.375	ug/L	100
7) Trichlorofluoromethane	2.385	101	109494	10.550	ug/L	100
8) Ethyl ether	2.675	74	33465	10.315	ug/L	100
10) 1,1-Dichloroethene	2.864	96	68167	10.884	ug/L	100
11) Carbon disulfide	2.895	76	239312	10.607	ug/L	100
12) Freon-113	2.903	101	69491	10.686	ug/L	100
13) Iodomethane	2.997	142	30344	7.026	ug/L	100
14) Acrolein	3.170	56	9936	10.423	ug/L	100
15) Methylene chloride	3.405	84	79332	10.385	ug/L	100
17) Acetone	3.436	43	16337	10.461	ug/L	100
18) trans-1,2-Dichloroethene	3.554	96	76525	10.668	ug/L	100
19) Methyl acetate	3.554	43	40778	9.856	ug/L	100
21) Methyl tert-butyl ether	3.648	73	138638	10.243	ug/L	100
22) tert-Butyl alcohol	3.735	59	15816	49.976	ug/L	100
24) Diisopropyl ether	4.009	45	278489	10.406	ug/L	100
25) 1,1-Dichloroethane	4.127	63	167273	10.610	ug/L	100
26) Halothane	4.174	117	55357	10.409	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A09.D
Acq On : 05 Apr 2025 06:37 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 10:22:20 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.158	53	19759	10.781	ug/L	100
28) Ethyl tert-butyl ether	4.346	59	185769	9.988	ug/L	100
29) Vinyl acetate	4.354	43	140142	9.604	ug/L	100
30) cis-1,2-Dichloroethene	4.637	96	82055	10.698	ug/L	100
31) 2,2-Dichloropropane	4.739	77	106562	10.467	ug/L	100
32) Bromochloromethane	4.825	128	36287	10.660	ug/L	100
33) Cyclohexane	4.841	56	177291	10.875	ug/L	100
34) Chloroform	4.896	83	132873	10.149	ug/L	100
35) Ethyl acetate	5.006	43	50150	9.941	ug/L	100
36) Carbon tetrachloride	5.037	117	101953	10.033	ug/L	100
37) Tetrahydrofuran	5.045	42	18034M6	11.012	ug/L	
39) 1,1,1-Trichloroethane	5.100	97	115206	10.668	ug/L	100
41) 2-Butanone	5.186	43	20244	9.235	ug/L	100
42) 1,1-Dichloropropene	5.217	75	100121	10.335	ug/L	100
44) Benzene	5.465	78	293609	9.259	ug/L	100
45) tert-Amyl methyl ether	5.584	73	125304	9.484	ug/L	100
47) 1,2-Dichloroethane	5.661	62	94123	9.803	ug/L	100
50) Methyl cyclohexane	6.058	83	118132	9.820	ug/L	100
51) Trichloroethene	6.058	95	76167	8.958	ug/L	100
53) Dibromomethane	6.491	93	29581	10.281	ug/L	100
54) 1,2-Dichloropropane	6.596	63	87064	10.481	ug/L	100
56) 2-Chloroethyl vinyl ether	7.291	63	24246	9.705	ug/L	100
57) Bromodichloromethane	6.672	83	97992	10.433	ug/L	100
60) 1,4-Dioxane	6.880	88	17918	510.646	ug/L	100
61) cis-1,3-Dichloropropene	7.360	75	104619	10.037	ug/L	100
64) Toluene	7.631	92	182354	10.145	ug/L	100
65) 4-Methyl-2-pentanone	8.062	58	11766	8.385	ug/L	100
66) Tetrachloroethene	8.076	166	73972	9.187	ug/L	100
68) trans-1,3-Dichloropropene	8.104	75	82565	9.927	ug/L	100
70) Ethyl methacrylate	8.305	69	45389	9.296	ug/L	100
71) 1,1,2-Trichloroethane	8.291	83	41390	10.046	ug/L	100
72) Chlorodibromomethane	8.500	129	58409	10.068	ug/L	100
73) 1,3-Dichloropropane	8.611	76	89350	10.129	ug/L	100
74) 1,2-Dibromoethane	8.778	107	44903	10.013	ug/L	100
76) 2-Hexanone	9.070	43	23143	8.719	ug/L	100
77) Chlorobenzene	9.435	112	207120	10.222	ug/L	100
78) Ethylbenzene	9.477	91	363897	10.451	ug/L	100
79) 1,1,1,2-Tetrachloroethane	9.519	131	63068	9.905	ug/L	100
80) p/m Xylene	9.666	106	273744	20.936	ug/L	100
81) o Xylene	10.213	106	263976	21.049	ug/L	100

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A09.D
Acq On : 05 Apr 2025 06:37 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 10:22:20 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.277	104	408518	20.901	ug/L	100
84) Bromoform	10.291	173	29790	9.502	ug/L	100
86) Isopropylbenzene	10.606	105	362896	10.788	ug/L	100
88) Bromobenzene	11.034	156	77349	10.444	ug/L	100
89) n-Propylbenzene	11.090	91	434252	10.809	ug/L	100
90) 1,4-Dichlorobutane	11.097	55	101733	10.236	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.167	83	54931	10.239	ug/L	100
92) 4-Ethyltoluene	11.216	105	339911	10.828	ug/L	100
93) 2-Chlorotoluene	11.251	91	253922M6	10.702	ug/L	
94) 1,3,5-Trimethylbenzene	11.314	105	276311	10.660	ug/L	100
95) 1,2,3-Trichloropropane	11.307	75	43251	9.767	ug/L	100
96) trans-1,4-Dichloro-2-b...	11.363	53	16561	10.100	ug/L	100
97) 4-Chlorotoluene	11.434	91	257196	10.560	ug/L	100
98) tert-Butylbenzene	11.658	119	290359	10.893	ug/L	100
101) 1,2,4-Trimethylbenzene	11.742	105	307024	10.691	ug/L	100
102) sec-Butylbenzene	11.853	105	375221	10.913	ug/L	100
103) p-Isopropyltoluene	12.013	119	304806	10.880	ug/L	100
104) 1,3-Dichlorobenzene	12.069	146	160606	10.502	ug/L	100
105) 1,4-Dichlorobenzene	12.160	146	157609	10.349	ug/L	100
106) p-Diethylbenzene	12.389	119	173446	10.637	ug/L	100
107) n-Butylbenzene	12.445	91	269265	10.897	ug/L	100
108) 1,2-Dichlorobenzene	12.584	146	139932	10.381	ug/L	100
109) 1,2,4,5-Tetramethylben...	13.183	119	231148	10.471	ug/L	100
110) 1,2-Dibromo-3-chloropr...	13.371	155	6887	10.061	ug/L	100
111) 1,3,5-Trichlorobenzene	13.406	180	97010	10.577	ug/L	100
112) Hexachlorobutadiene	13.990	225	31450	10.243	ug/L	100
113) 1,2,4-Trichlorobenzene	14.004	180	81327	10.450	ug/L	100
114) Naphthalene	14.297	128	168680	10.423	ug/L	100
115) 1,2,3-Trichlorobenzene	14.464	180	71024	10.850	ug/L	100

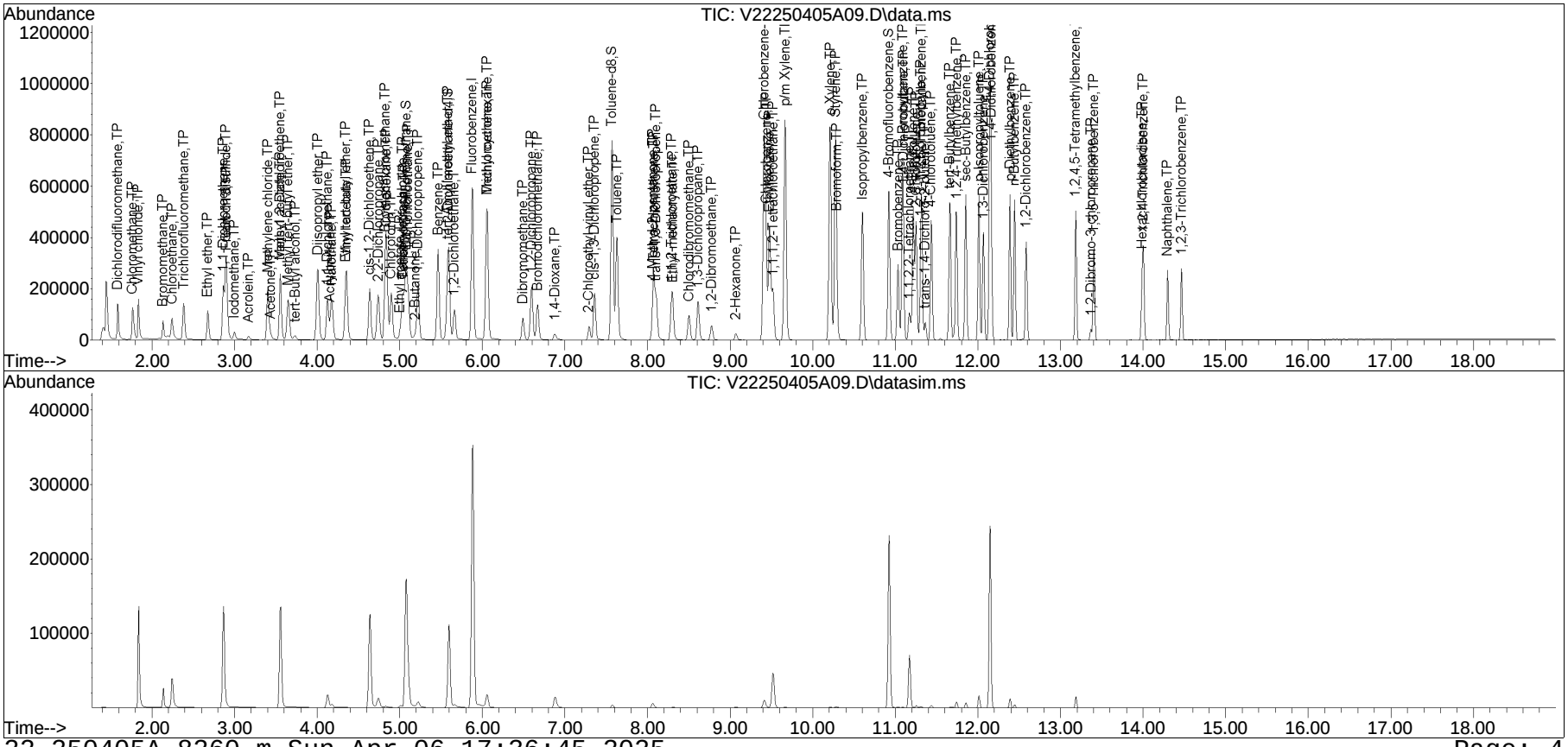
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A09.D
Acq On : 05 Apr 2025 06:37 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 10:22:20 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

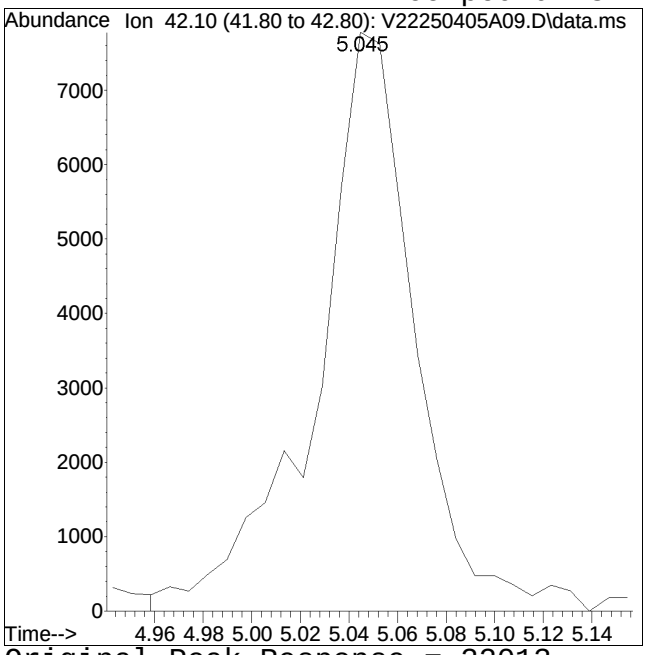
Sub List : 8260-Curve - Megamix plus Diox\V22250405A09.D•



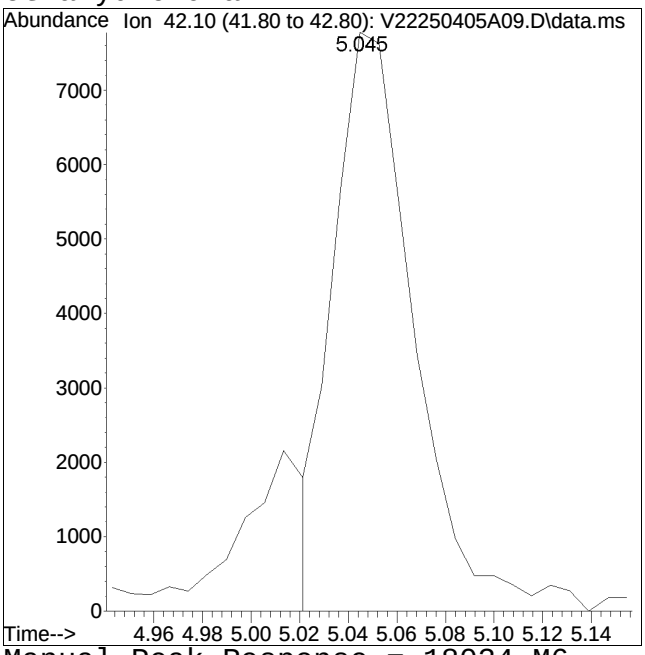
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A09.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 6:37 pm Instrument : VOA 122
Sample : I8260STD10PPB Quant Date : 4/6/2025 10:22 am

Compound #37: Tetrahydrofuran



Original Peak Response = 22013



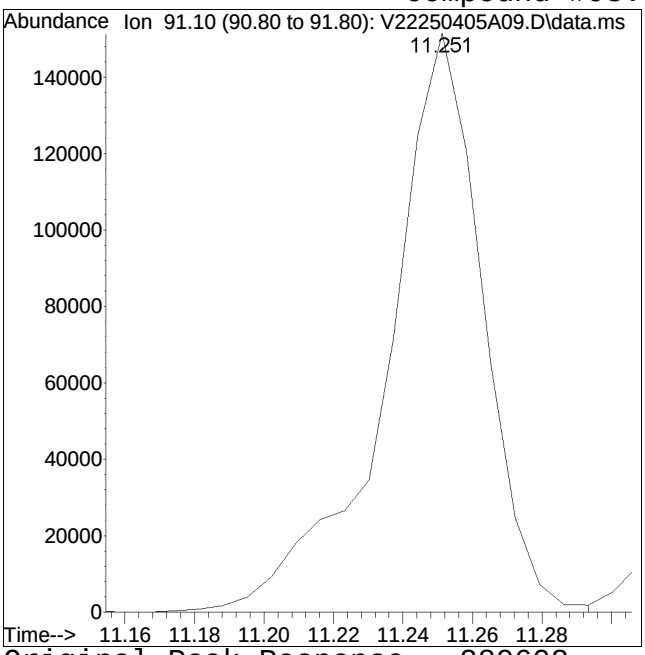
Manual Peak Response = 18034 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

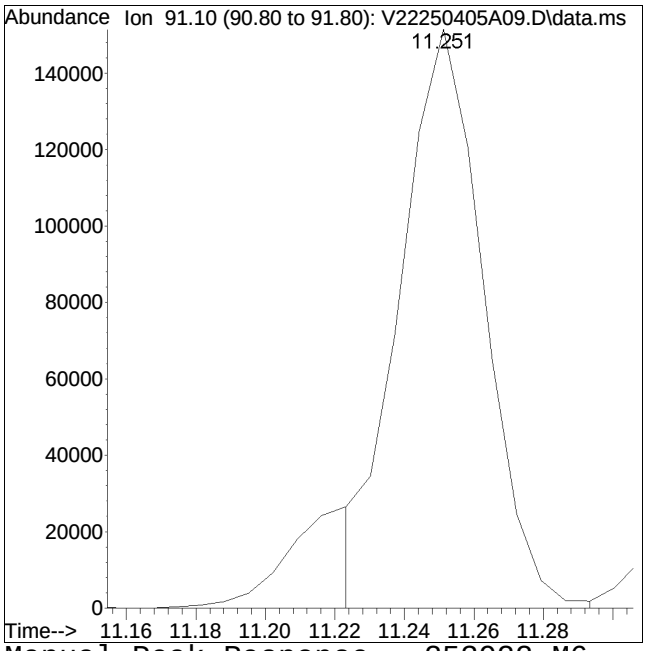
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A09.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 6:37 pm Instrument : VOA 122
Sample : I8260STD10PPB Quant Date : 4/6/2025 10:22 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 289602



Manual Peak Response = 253922 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A10.D
Acq On : 05 Apr 2025 07:01 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 06 10:22:28 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	598618	10.000	ug/L	0.00
Standard Area 1 = 544981			Recovery = 109.84%			
62) Chlorobenzene-d5	9.414	117	439100	10.000	ug/L	0.00
Standard Area 1 = 418617			Recovery = 104.89%			
83) 1,4-Dichlorobenzene-d4	12.146	152	233989	10.000	ug/L	0.00
Standard Area 1 = 210994			Recovery = 110.90%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.076	113	158382	9.566	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.66%			
46) 1,2-Dichloroethane-d4	5.591	65	174639	9.611	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.11%			
63) Toluene-d8	7.569	98	595286	10.043	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.43%			
87) 4-Bromofluorobenzene	10.922	95	210715	9.819	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.19%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.585	85	312224	31.889	ug/L	99
3) Chloromethane	1.765	50	427031	31.211	ug/L	100
4) Vinyl chloride	1.836	62	354825	27.315	ug/L	97
5) Bromomethane	2.134	94	94793	25.457	ug/L	98
6) Chloroethane	2.244	64	189062	30.874	ug/L	100
7) Trichlorofluoromethane	2.385	101	350323	30.730	ug/L	100
8) Ethyl ether	2.676	74	105668	29.652	ug/L	97
10) 1,1-Dichloroethene	2.864	96	213522	31.036	ug/L	98
11) Carbon disulfide	2.895	76	733029	29.580	ug/L	99
12) Freon-113	2.903	101	216106	30.255	ug/L	98
13) Iodomethane	2.997	142	174439	36.771	ug/L	100
14) Acrolein	3.170	56	33283	31.785	ug/L	99
15) Methylene chloride	3.405	84	244311	29.117	ug/L	98
17) Acetone	3.437	43	49426	28.814	ug/L	99
18) trans-1,2-Dichloroethene	3.554	96	238872	30.315	ug/L	99
19) Methyl acetate	3.554	43	133062	29.280	ug/L	99
21) Methyl tert-butyl ether	3.648	73	458238	30.823	ug/L	98
22) tert-Butyl alcohol	3.727	59	51889	149.269	ug/L	94
24) Diisopropyl ether	4.009	45	933639	31.760	ug/L	98
25) 1,1-Dichloroethane	4.127	63	527128	30.440	ug/L	100
26) Halothane	4.182	117	172979	29.613	ug/L	99

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A10.D
Acq On : 05 Apr 2025 07:01 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 06 10:22:28 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.166	53	64544	32.060	ug/L	98
28) Ethyl tert-butyl ether	4.347	59	647383	31.687	ug/L	99
29) Vinyl acetate	4.354	43	489737	30.554	ug/L	99
30) cis-1,2-Dichloroethene	4.637	96	255260	30.297	ug/L	99
31) 2,2-Dichloropropane	4.739	77	336457	30.088	ug/L	98
32) Bromochloromethane	4.825	128	113709	30.412	ug/L	96
33) Cyclohexane	4.841	56	588136	32.843	ug/L	99
34) Chloroform	4.896	83	421043	29.277	ug/L	99
35) Ethyl acetate	5.006	43	169817	30.645	ug/L	98
36) Carbon tetrachloride	5.037	117	329507	29.520	ug/L	98
37) Tetrahydrofuran	5.045	42	54494M6	30.293	ug/L	
39) 1,1,1-Trichloroethane	5.100	97	365869	30.845	ug/L	97
41) 2-Butanone	5.186	43	76594	31.810	ug/L	95
42) 1,1-Dichloropropene	5.225	75	343621	32.291	ug/L	94
44) Benzene	5.465	78	966131	27.738	ug/L	98
45) tert-Amyl methyl ether	5.577	73	446704	30.780	ug/L	96
47) 1,2-Dichloroethane	5.661	62	303277	28.755	ug/L	98
50) Methyl cyclohexane	6.051	83	421852	31.925	ug/L	100
51) Trichloroethene	6.058	95	252458	27.032	ug/L	98
53) Dibromomethane	6.491	93	94144	29.788	ug/L	99
54) 1,2-Dichloropropane	6.596	63	283898	31.114	ug/L	98
56) 2-Chloroethyl vinyl ether	7.291	63	88442	32.228	ug/L	96
57) Bromodichloromethane	6.672	83	315598	30.589	ug/L	99
60) 1,4-Dioxane	6.881	88	24034	623.574	ug/L	99
61) cis-1,3-Dichloropropene	7.360	75	370914	32.396	ug/L	98
64) Toluene	7.631	92	581398	30.835	ug/L	98
65) 4-Methyl-2-pentanone	8.062	58	45290	30.769	ug/L	99
66) Tetrachloroethene	8.076	166	245160	29.027	ug/L	96
68) trans-1,3-Dichloropropene	8.104	75	295491	33.870	ug/L	97
70) Ethyl methacrylate	8.305	69	168194	32.839	ug/L	94
71) 1,1,2-Trichloroethane	8.291	83	138392	32.024	ug/L	99
72) Chlorodibromomethane	8.500	129	201035	33.035	ug/L	99
73) 1,3-Dichloropropane	8.611	76	295038	31.885	ug/L	100
74) 1,2-Dibromoethane	8.778	107	154886	32.926	ug/L	99
76) 2-Hexanone	9.070	43	83930	30.145	ug/L	99
77) Chlorobenzene	9.435	112	655297	30.833	ug/L	98
78) Ethylbenzene	9.477	91	1167691	31.972	ug/L	99
79) 1,1,1,2-Tetrachloroethane	9.519	131	214249	32.078	ug/L	99
80) p/m Xylene	9.666	106	883354	64.409	ug/L	100
81) o Xylene	10.213	106	854916	64.989	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A10.D
Acq On : 05 Apr 2025 07:01 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 06 10:22:28 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.277	104	1388288	67.715	ug/L	99
84) Bromoform	10.291	173	109826	31.587	ug/L	99
86) Isopropylbenzene	10.599	105	1195211	32.038	ug/L	100
88) Bromobenzene	11.034	156	251714	30.646	ug/L	99
89) n-Propylbenzene	11.090	91	1423225	31.945	ug/L	99
90) 1,4-Dichlorobutane	11.097	55	332520	30.170	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.167	83	180846	30.398	ug/L	97
92) 4-Ethyltoluene	11.216	105	1113711	31.990	ug/L	100
93) 2-Chlorotoluene	11.251	91	808389M6	30.722	ug/L	
94) 1,3,5-Trimethylbenzene	11.314	105	895751	31.163	ug/L	99
95) 1,2,3-Trichloropropane	11.307	75	144257	29.375	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.364	53	57609	31.680	ug/L	93
97) 4-Chlorotoluene	11.434	91	830665	30.754	ug/L	100
98) tert-Butylbenzene	11.658	119	966610	32.700	ug/L	92
101) 1,2,4-Trimethylbenzene	11.742	105	1010911	31.741	ug/L	98
102) sec-Butylbenzene	11.853	105	1247324	32.713	ug/L	100
103) p-Isopropyltoluene	12.013	119	1014581	32.656	ug/L	100
104) 1,3-Dichlorobenzene	12.069	146	518689	30.583	ug/L	98
105) 1,4-Dichlorobenzene	12.160	146	507608	30.056	ug/L	98
106) p-Diethylbenzene	12.389	119	584693	32.334	ug/L	100
107) n-Butylbenzene	12.445	91	883126	32.228	ug/L	99
108) 1,2-Dichlorobenzene	12.584	146	460472	30.804	ug/L	99
109) 1,2,4,5-Tetramethylben...	13.183	119	809991	33.085	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.371	155	25361	33.407	ug/L	100
111) 1,3,5-Trichlorobenzene	13.406	180	316045	31.071	ug/L	99
112) Hexachlorobutadiene	13.990	225	105260	30.914	ug/L	99
113) 1,2,4-Trichlorobenzene	14.004	180	270233	31.311	ug/L	99
114) Naphthalene	14.297	128	598450	33.345	ug/L	100
115) 1,2,3-Trichlorobenzene	14.464	180	229026	31.549	ug/L	98

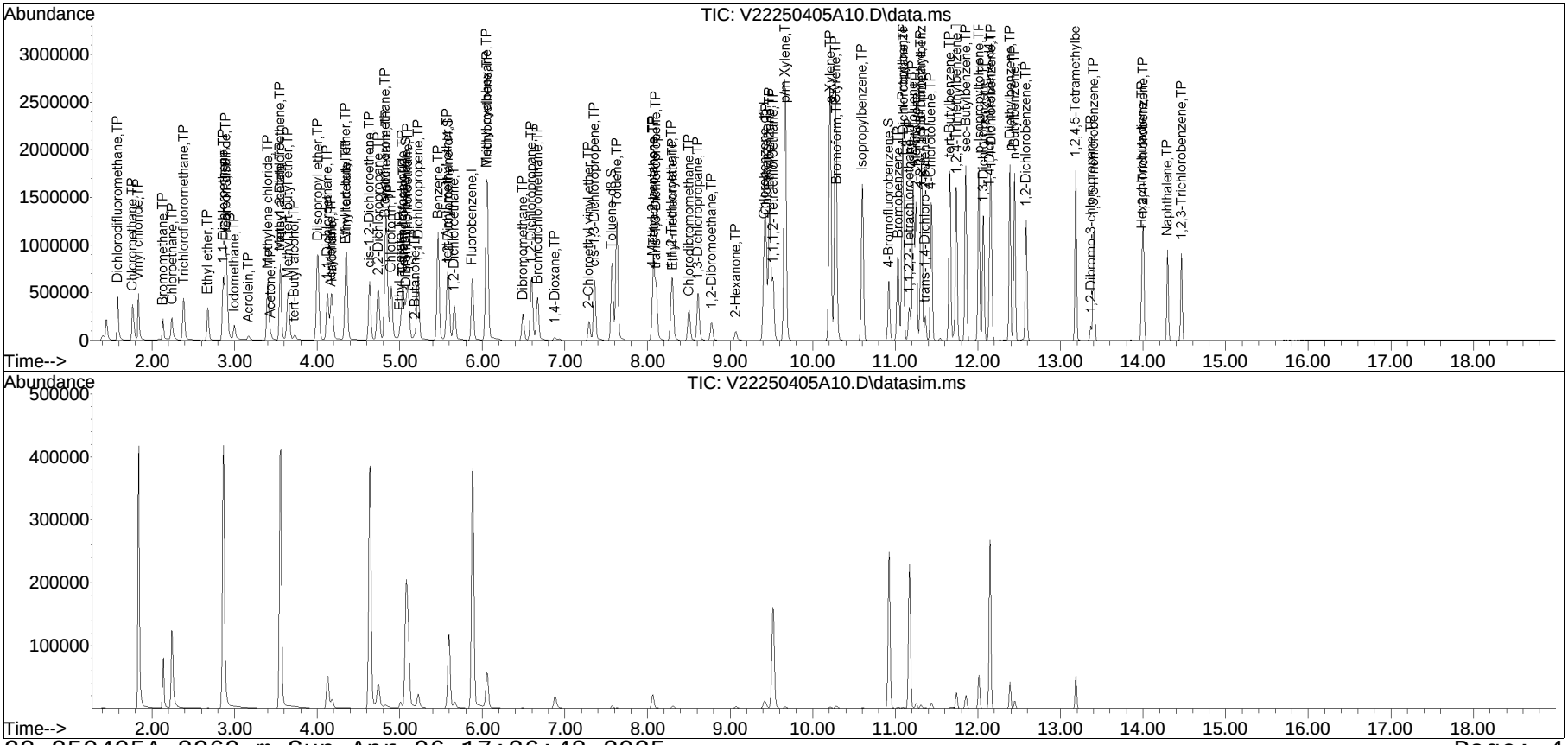
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A10.D
Acq On : 05 Apr 2025 07:01 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 06 10:22:28 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

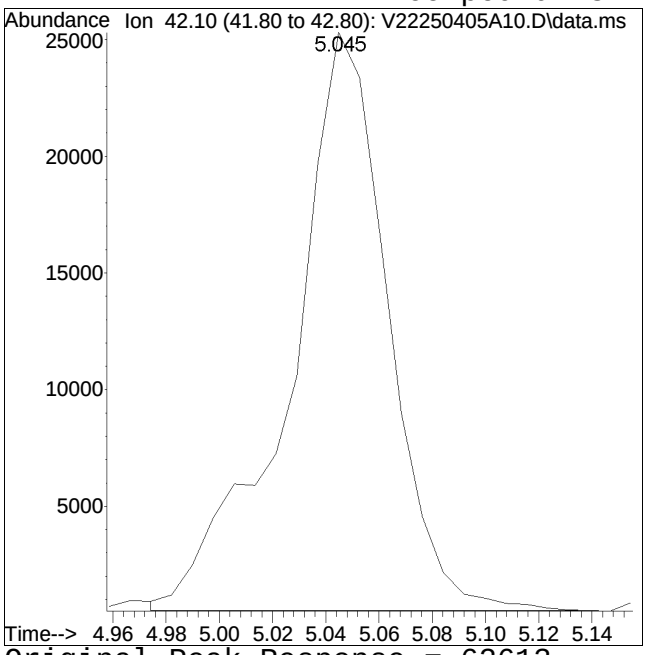
Sub List : 8260-Curve - Megamix plus Diox\V22250405A09.D•



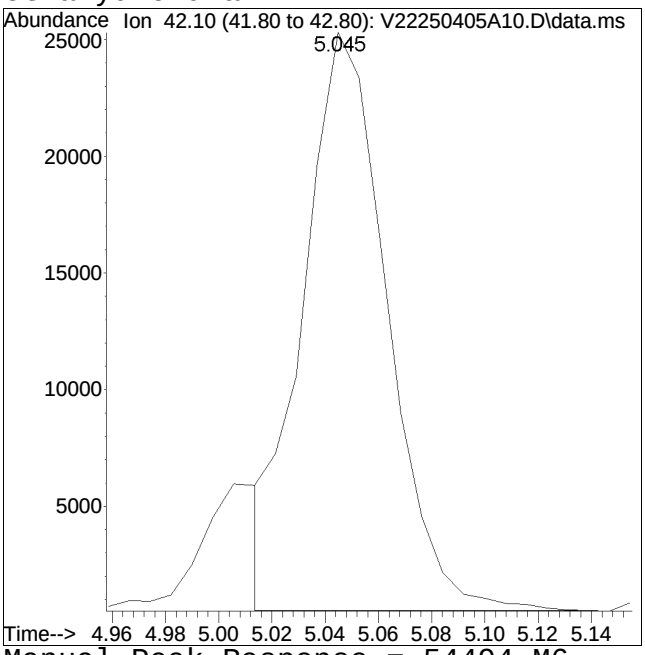
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A10.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 7:01 pm Instrument : VOA 122
Sample : I8260STD30PPB Quant Date : 4/6/2025 10:22 am

Compound #37: Tetrahydrofuran



Original Peak Response = 62613



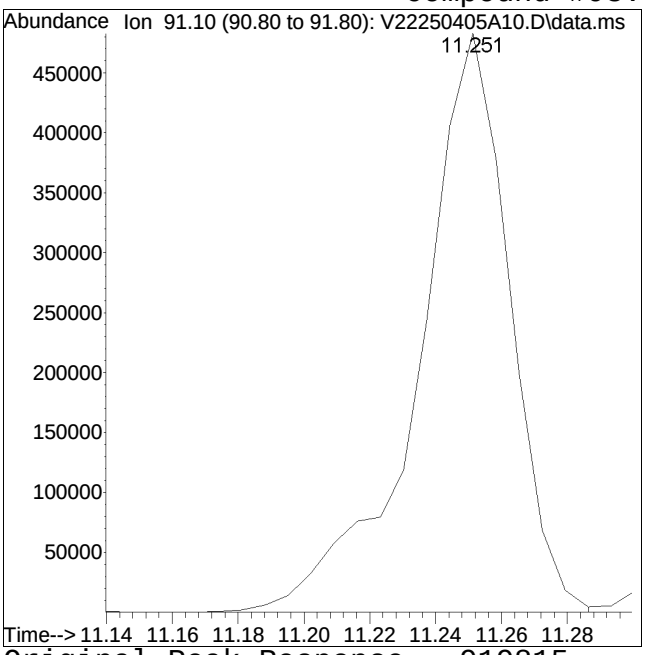
Manual Peak Response = 54494 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

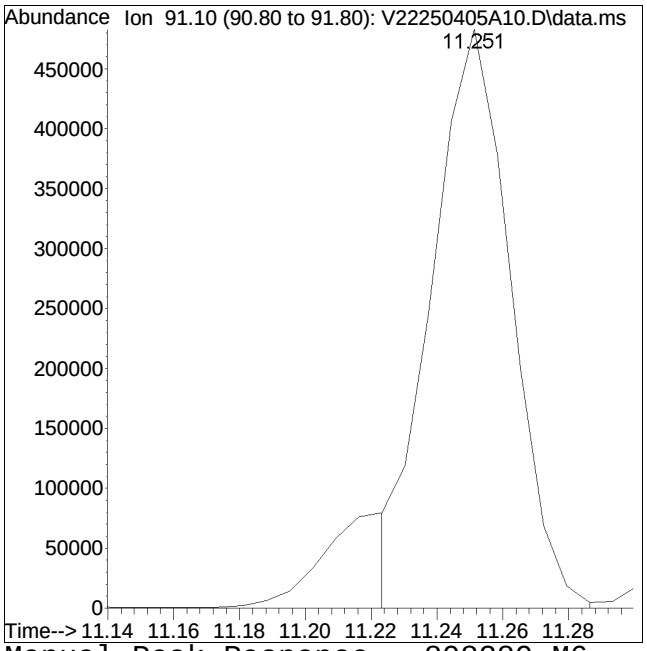
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A10.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 7:01 pm Instrument : VOA 122
Sample : I8260STD30PPB Quant Date : 4/6/2025 10:22 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 919815



Manual Peak Response = 808389 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A11.D
Acq On : 05 Apr 2025 07:26 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 10:22:36 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.884	96	653669	10.000	ug/L	0.00
Standard Area 1 = 544981			Recovery = 119.94%			
62) Chlorobenzene-d5	9.414	117	477407	10.000	ug/L	0.00
Standard Area 1 = 418617			Recovery = 114.04%			
83) 1,4-Dichlorobenzene-d4	12.146	152	247345	10.000	ug/L	0.00
Standard Area 1 = 210994			Recovery = 117.23%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.076	113	168806	9.337	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.37%			
46) 1,2-Dichloroethane-d4	5.598	65	184121	9.280	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.80%			
63) Toluene-d8	7.568	98	653720	10.144	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.44%			
87) 4-Bromofluorobenzene	10.922	95	225439	9.938	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.585	85	890390	83.281	ug/L	99
3) Chloromethane	1.765	50	1168491	78.212	ug/L	99
4) Vinyl chloride	1.836	62	1015123	71.565	ug/L	97
5) Bromomethane	2.134	94	337009	82.884	ug/L	100
6) Chloroethane	2.244	64	519847	77.743	ug/L	99
7) Trichlorofluoromethane	2.385	101	1007643	80.946	ug/L	100
8) Ethyl ether	2.675	74	299362	76.931	ug/L	96
10) 1,1-Dichloroethene	2.864	96	601609	80.082	ug/L	98
11) Carbon disulfide	2.895	76	2098787	77.560	ug/L	99
12) Freon-113	2.903	101	614993	78.847	ug/L	99
13) Iodomethane	2.997	142	659433	127.298	ug/L	99
14) Acrolein	3.170	56	94242	82.420	ug/L	99
15) Methylene chloride	3.405	84	689878	75.294	ug/L	95
17) Acetone	3.436	43	133849	71.459	ug/L	96
18) trans-1,2-Dichloroethene	3.554	96	673938	78.326	ug/L	99
19) Methyl acetate	3.554	43	360286	72.604	ug/L	99
21) Methyl tert-butyl ether	3.648	73	1341702	82.648	ug/L	96
22) tert-Butyl alcohol	3.727	59	149943	395.014	ug/L	90
24) Diisopropyl ether	4.009	45	2725174	84.895	ug/L	97
25) 1,1-Dichloroethane	4.127	63	1496210	79.126	ug/L	99
26) Halothane	4.174	117	498593	78.166	ug/L	98

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A11.D
Acq On : 05 Apr 2025 07:26 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 10:22:36 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.166	53	175998	80.059	ug/L		99
28) Ethyl tert-butyl ether	4.346	59	1932433	86.621	ug/L		99
29) Vinyl acetate	4.354	43	1447144	82.681	ug/L		98
30) cis-1,2-Dichloroethene	4.637	96	728385	79.173	ug/L		98
31) 2,2-Dichloropropane	4.739	77	978810	80.159	ug/L		95
32) Bromochloromethane	4.825	128	316336	77.479	ug/L		95
33) Cyclohexane	4.841	56	1699228	86.898	ug/L		100
34) Chloroform	4.896	83	1204066	76.674	ug/L		99
35) Ethyl acetate	5.005	43	487382	80.546	ug/L		99
36) Carbon tetrachloride	5.037	117	957068	78.521	ug/L		98
37) Tetrahydrofuran	5.045	42	152803M6	77.788	ug/L		
39) 1,1,1-Trichloroethane	5.100	97	1065586	82.269	ug/L		98
41) 2-Butanone	5.186	43	196332	74.671	ug/L	#	89
42) 1,1-Dichloropropene	5.225	75	1000755	86.124	ug/L		97
44) Benzene	5.465	78	2807779	73.824	ug/L		98
45) tert-Amyl methyl ether	5.577	73	1393724	87.947	ug/L		92
47) 1,2-Dichloroethane	5.660	62	864170	75.035	ug/L		100
50) Methyl cyclohexane	6.058	83	1308985	90.720	ug/L		97
51) Trichloroethene	6.058	95	752058	73.745	ug/L		98
53) Dibromomethane	6.491	93	268011	77.660	ug/L		99
54) 1,2-Dichloropropane	6.595	63	828769	83.180	ug/L		98
56) 2-Chloroethyl vinyl ether	7.290	63	271899	90.736	ug/L		99
57) Bromodichloromethane	6.672	83	944178	83.807	ug/L		100
60) 1,4-Dioxane	6.880	88	33409	793.812	ug/L		99
61) cis-1,3-Dichloropropene	7.360	75	1120945	89.660	ug/L		97
64) Toluene	7.631	92	1695814	82.722	ug/L		97
65) 4-Methyl-2-pentanone	8.062	58	137680	86.032	ug/L		97
66) Tetrachloroethene	8.076	166	713404	77.691	ug/L		97
68) trans-1,3-Dichloropropene	8.104	75	887355	93.550	ug/L		96
70) Ethyl methacrylate	8.305	69	504292	90.560	ug/L		92
71) 1,1,2-Trichloroethane	8.291	83	402534	85.673	ug/L		99
72) Chlorodibromomethane	8.500	129	599263	90.571	ug/L		99
73) 1,3-Dichloropropane	8.611	76	858109	85.297	ug/L		100
74) 1,2-Dibromoethane	8.778	107	450225	88.031	ug/L		100
76) 2-Hexanone	9.070	43	259929	85.868	ug/L		99
77) Chlorobenzene	9.435	112	1886827	81.656	ug/L		98
78) Ethylbenzene	9.477	91	3406972	85.799	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.519	131	653048	89.931	ug/L		99
80) p/m Xylene	9.666	106	2563914	171.945	ug/L		98
81) o Xylene	10.213	106	2491778	174.221	ug/L		99

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A11.D
Acq On : 05 Apr 2025 07:26 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 10:22:36 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.276	104	4099892	183.929	ug/L	99
84) Bromoform	10.297	173	334685	91.060	ug/L	99
86) Isopropylbenzene	10.599	105	3482780	88.315	ug/L	100
88) Bromobenzene	11.034	156	717720	82.664	ug/L	98
89) n-Propylbenzene	11.090	91	4090354	86.852	ug/L	98
90) 1,4-Dichlorobutane	11.097	55	958556	82.276	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.167	83	523816	83.292	ug/L	98
92) 4-Ethyltoluene	11.216	105	3241004	88.067	ug/L	100
93) 2-Chlorotoluene	11.251	91	2338994M6	84.092	ug/L	
94) 1,3,5-Trimethylbenzene	11.321	105	2673864	88.000	ug/L	99
95) 1,2,3-Trichloropropane	11.307	75	425572	81.981	ug/L	100
96) trans-1,4-Dichloro-2-b...	11.363	53	168729	87.776	ug/L	90
97) 4-Chlorotoluene	11.441	91	2398183	83.993	ug/L	100
98) tert-Butylbenzene	11.658	119	2818618	90.204	ug/L	99
101) 1,2,4-Trimethylbenzene	11.742	105	2995276	88.968	ug/L	99
102) sec-Butylbenzene	11.853	105	3625714	89.955	ug/L	99
103) p-Isopropyltoluene	12.013	119	3025417	92.120	ug/L	99
104) 1,3-Dichlorobenzene	12.069	146	1491918	83.216	ug/L	99
105) 1,4-Dichlorobenzene	12.159	146	1466917	82.167	ug/L	99
106) p-Diethylbenzene	12.389	119	1758239	91.983	ug/L	99
107) n-Butylbenzene	12.445	91	2630576	90.815	ug/L	98
108) 1,2-Dichlorobenzene	12.584	146	1334658	84.464	ug/L	99
109) 1,2,4,5-Tetramethylben...	13.183	119	2486626	96.086	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.371	155	76200	94.955	ug/L	97
111) 1,3,5-Trichlorobenzene	13.405	180	920004	85.565	ug/L	99
112) Hexachlorobutadiene	13.990	225	320117	88.939	ug/L	99
113) 1,2,4-Trichlorobenzene	14.004	180	771975	84.617	ug/L	99
114) Naphthalene	14.296	128	1690919	89.128	ug/L	100
115) 1,2,3-Trichlorobenzene	14.464	180	650108	84.719	ug/L	98

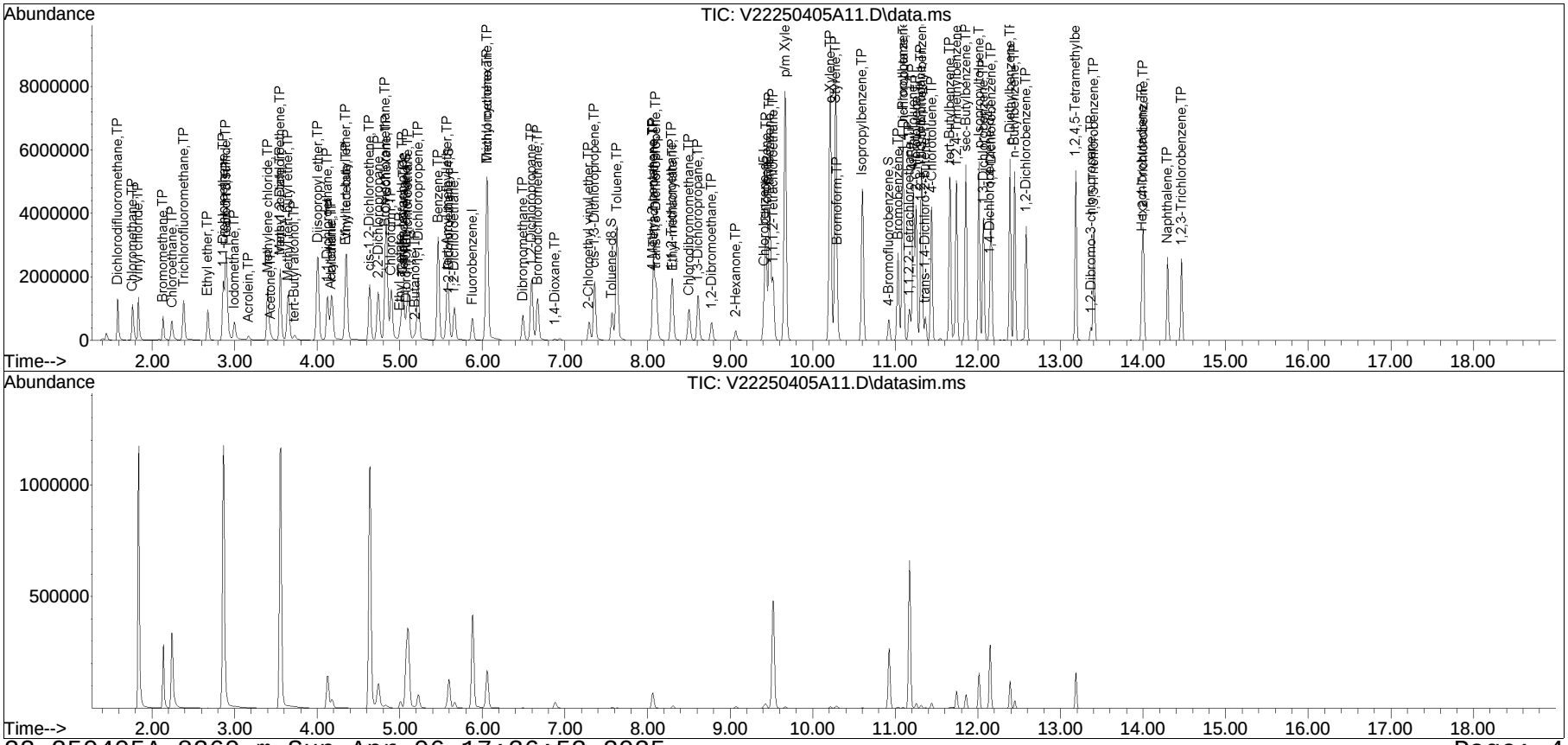
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A11.D
Acq On : 05 Apr 2025 07:26 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 10:22:36 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

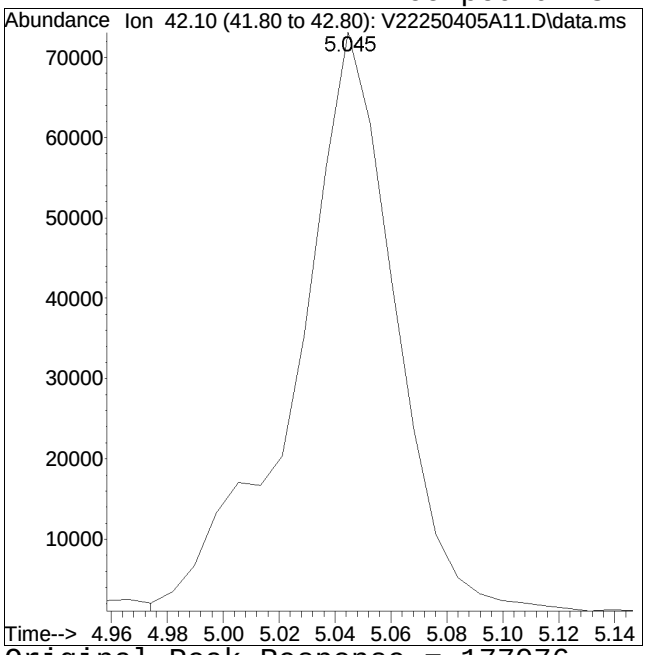
Sub List : 8260-Curve - Megamix plus Diox\V22250405A09.D•



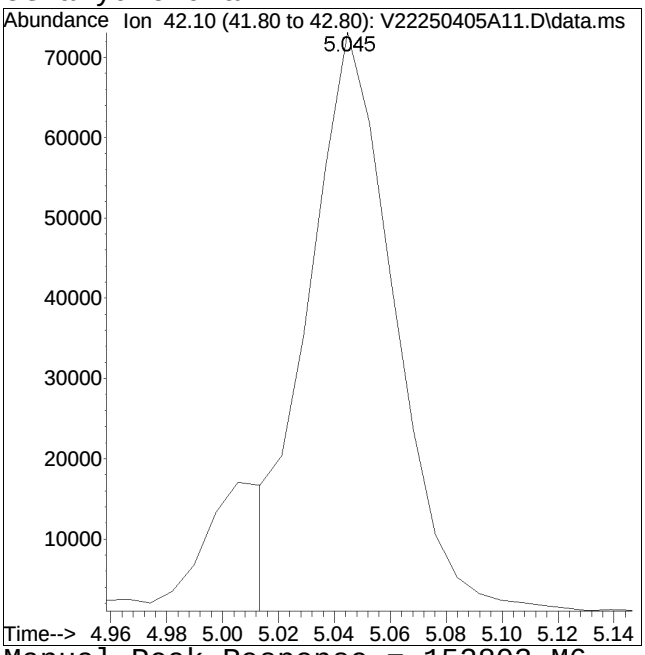
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A11.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 7:26 pm Instrument : VOA 122
Sample : I8260STD80PPB Quant Date : 4/6/2025 10:22 am

Compound #37: Tetrahydrofuran



Original Peak Response = 177076



Manual Peak Response = 152803 M6

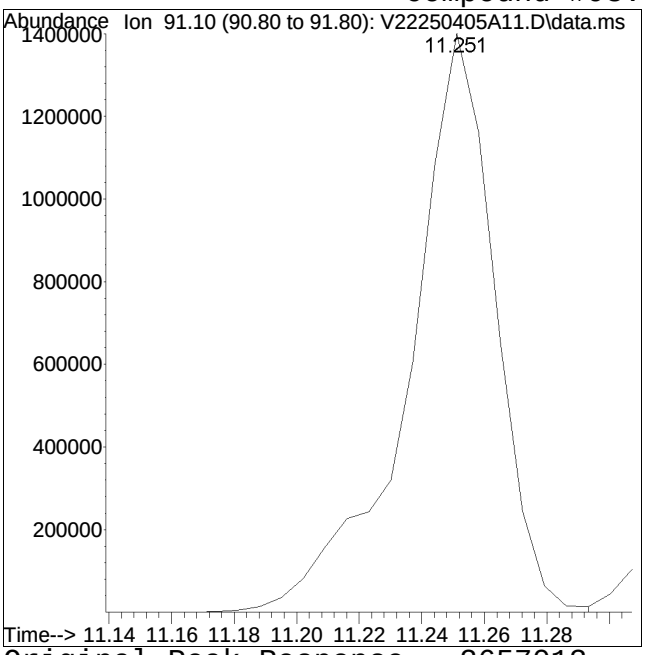
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

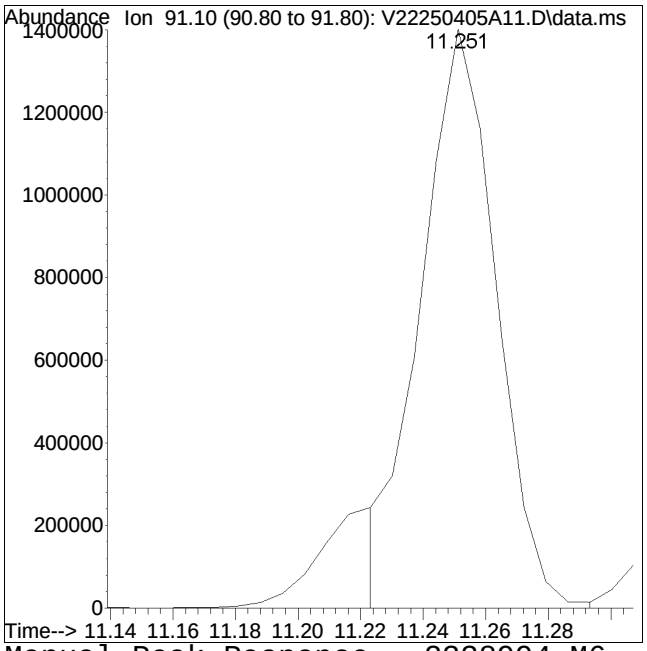
Data Path : K:\VOA122\2025\250405AICALQ
Data File : V22250405A11.D
Date Inj'd : 4/5/2025 7:26 pm
Sample : I8260STD80PPB

Method : V122_250405A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 4/6/2025 10:22 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 2657013



Manual Peak Response = 2338994 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A12.D
Acq On : 05 Apr 2025 07:50 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 06 10:22:44 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.884	96	729593	10.000	ug/L	0.00
Standard Area 1 = 544981			Recovery = 133.87%			
62) Chlorobenzene-d5	9.414	117	532360	10.000	ug/L	0.00
Standard Area 1 = 418617			Recovery = 127.17%			
83) 1,4-Dichlorobenzene-d4	12.146	152	277004	10.000	ug/L	0.00
Standard Area 1 = 210994			Recovery = 131.29%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.076	113	186650	9.250	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.50%			
46) 1,2-Dichloroethane-d4	5.591	65	209245	9.448	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.48%			
63) Toluene-d8	7.569	98	721280	10.037	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.37%			
87) 4-Bromofluorobenzene	10.922	95	252265	9.930	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.585	85	1467904	123.009	ug/L	99
3) Chloromethane	1.765	50	1861665	111.642	ug/L	99
4) Vinyl chloride	1.836	62	1705912	107.749	ug/L	97
5) Bromomethane	2.134	94	644088	141.923	ug/L	99
6) Chloroethane	2.236	64	822832	110.249	ug/L	99
7) Trichlorofluoromethane	2.385	101	1683277	121.149	ug/L	99
8) Ethyl ether	2.676	74	525669	121.030	ug/L	91
10) 1,1-Dichloroethene	2.864	96	1022449	121.937	ug/L	99
11) Carbon disulfide	2.895	76	3529727	116.865	ug/L	99
12) Freon-113	2.903	101	1063578	122.169	ug/L	98
13) Iodomethane	2.997	142	1100900	190.404	ug/L	98
14) Acrolein	3.170	56	164679	129.034	ug/L	100
15) Methylene chloride	3.405	84	1167067	114.120	ug/L	92
17) Acetone	3.437	43	228839	109.459	ug/L	95
18) trans-1,2-Dichloroethene	3.554	96	1141691	118.881	ug/L	99
19) Methyl acetate	3.554	43	621888	112.281	ug/L	98
21) Methyl tert-butyl ether	3.648	73	2396857	132.281	ug/L	93
22) tert-Butyl alcohol	3.727	59	279831	660.479	ug/L #	85
24) Diisopropyl ether	4.009	45	4532513	126.504	ug/L	97
25) 1,1-Dichloroethane	4.127	63	2470968	117.077	ug/L	99
26) Halothane	4.182	117	862761	121.183	ug/L	99

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A12.D
Acq On : 05 Apr 2025 07:50 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 06 10:22:44 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.158	53	299372	122.008	ug/L		99
28) Ethyl tert-butyl ether	4.347	59	3387381	136.037	ug/L		98
29) Vinyl acetate	4.354	43	2502338	128.090	ug/L		98
30) cis-1,2-Dichloroethene	4.637	96	1213459	118.173	ug/L		97
31) 2,2-Dichloropropane	4.739	77	1645241	120.715	ug/L		93
32) Bromochloromethane	4.825	128	511981	112.348	ug/L		93
33) Cyclohexane	4.841	56	2837252	129.997	ug/L		97
34) Chloroform	4.896	83	2065891	117.865	ug/L		97
35) Ethyl acetate	5.006	43	846338	125.313	ug/L		98
36) Carbon tetrachloride	5.037	117	1637222	120.345	ug/L		98
37) Tetrahydrofuran	5.045	42	258846M6	118.059	ug/L		
39) 1,1,1-Trichloroethane	5.100	97	1759865	121.732	ug/L		99
41) 2-Butanone	5.186	43	366299	124.817	ug/L	#	91
42) 1,1-Dichloropropene	5.225	75	1673722	129.049	ug/L		95
44) Benzene	5.465	78	4699939	110.715	ug/L		98
45) tert-Amyl methyl ether	5.577	73	2491031	140.832	ug/L		91
47) 1,2-Dichloroethane	5.661	62	1445078	112.418	ug/L		99
50) Methyl cyclohexane	6.059	83	2272390	141.100	ug/L		94
51) Trichloroethene	6.059	95	1263520	111.005	ug/L		98
53) Dibromomethane	6.491	93	460414	119.528	ug/L		99
54) 1,2-Dichloropropane	6.596	63	1383703	124.424	ug/L		98
56) 2-Chloroethyl vinyl ether	7.291	63	473926	141.697	ug/L		98
57) Bromodichloromethane	6.672	83	1580550	125.693	ug/L		99
60) 1,4-Dioxane	6.881	88	59592	1268.584	ug/L		97
61) cis-1,3-Dichloropropene	7.360	75	1902604	136.345	ug/L		96
64) Toluene	7.631	92	2835562	124.041	ug/L		97
65) 4-Methyl-2-pentanone	8.062	58	253275	141.927	ug/L		92
66) Tetrachloroethene	8.076	166	1197820	116.979	ug/L		97
68) trans-1,3-Dichloropropene	8.104	75	1523361	144.024	ug/L		95
70) Ethyl methacrylate	8.305	69	904539	145.669	ug/L		90
71) 1,1,2-Trichloroethane	8.291	83	689202	131.544	ug/L		99
72) Chlorodibromomethane	8.507	129	1015833	137.682	ug/L		99
73) 1,3-Dichloropropane	8.611	76	1466889	130.759	ug/L		100
74) 1,2-Dibromoethane	8.778	107	776854	136.216	ug/L		100
76) 2-Hexanone	9.070	43	461555	136.737	ug/L		97
77) Chlorobenzene	9.435	112	3132241	121.562	ug/L		99
78) Ethylbenzene	9.477	91	5641245	127.400	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.519	131	1086299	134.152	ug/L		99
80) p/m Xylene	9.667	106	4339443	260.978	ug/L		97
81) o Xylene	10.214	106	4204182	263.607	ug/L		99

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A12.D
Acq On : 05 Apr 2025 07:50 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 06 10:22:44 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.277	104	6880332	276.803	ug/L	97
84) Bromoform	10.298	173	585131	142.154	ug/L	98
86) Isopropylbenzene	10.599	105	5754853	130.305	ug/L	99
88) Bromobenzene	11.034	156	1201550	123.571	ug/L	99
89) n-Propylbenzene	11.090	91	6838906	129.665	ug/L	98
90) 1,4-Dichlorobutane	11.097	55	1659046	127.154	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.167	83	902044	128.076	ug/L	98
92) 4-Ethyltoluene	11.216	105	5437129	131.923	ug/L	99
93) 2-Chlorotoluene	11.251	91	3926014M6	126.035	ug/L	
94) 1,3,5-Trimethylbenzene	11.321	105	4528736	133.088	ug/L	99
95) 1,2,3-Trichloropropane	11.307	75	753572	129.623	ug/L	100
96) trans-1,4-Dichloro-2-b...	11.364	53	286783	133.216	ug/L	85
97) 4-Chlorotoluene	11.441	91	4032633	126.115	ug/L	100
98) tert-Butylbenzene	11.665	119	4666067	133.339	ug/L	98
101) 1,2,4-Trimethylbenzene	11.742	105	4994170	132.458	ug/L	99
102) sec-Butylbenzene	11.853	105	5967388	132.200	ug/L	99
103) p-Isopropyltoluene	12.013	119	5005067	136.081	ug/L	99
104) 1,3-Dichlorobenzene	12.069	146	2483550	123.695	ug/L	99
105) 1,4-Dichlorobenzene	12.160	146	2427036	121.391	ug/L	99
106) p-Diethylbenzene	12.389	119	2964128	138.466	ug/L	99
107) n-Butylbenzene	12.445	91	4367739	134.642	ug/L	98
108) 1,2-Dichlorobenzene	12.584	146	2190427	123.779	ug/L	99
109) 1,2,4,5-Tetramethylben...	13.183	119	4140482	142.862	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.371	155	132082	146.969	ug/L	98
111) 1,3,5-Trichlorobenzene	13.406	180	1507638	125.204	ug/L	99
112) Hexachlorobutadiene	13.990	225	524562	130.136	ug/L	99
113) 1,2,4-Trichlorobenzene	14.004	180	1296512	126.896	ug/L	99
114) Naphthalene	14.297	128	2845827	133.942	ug/L	100
115) 1,2,3-Trichlorobenzene	14.464	180	1085887	126.356	ug/L	98

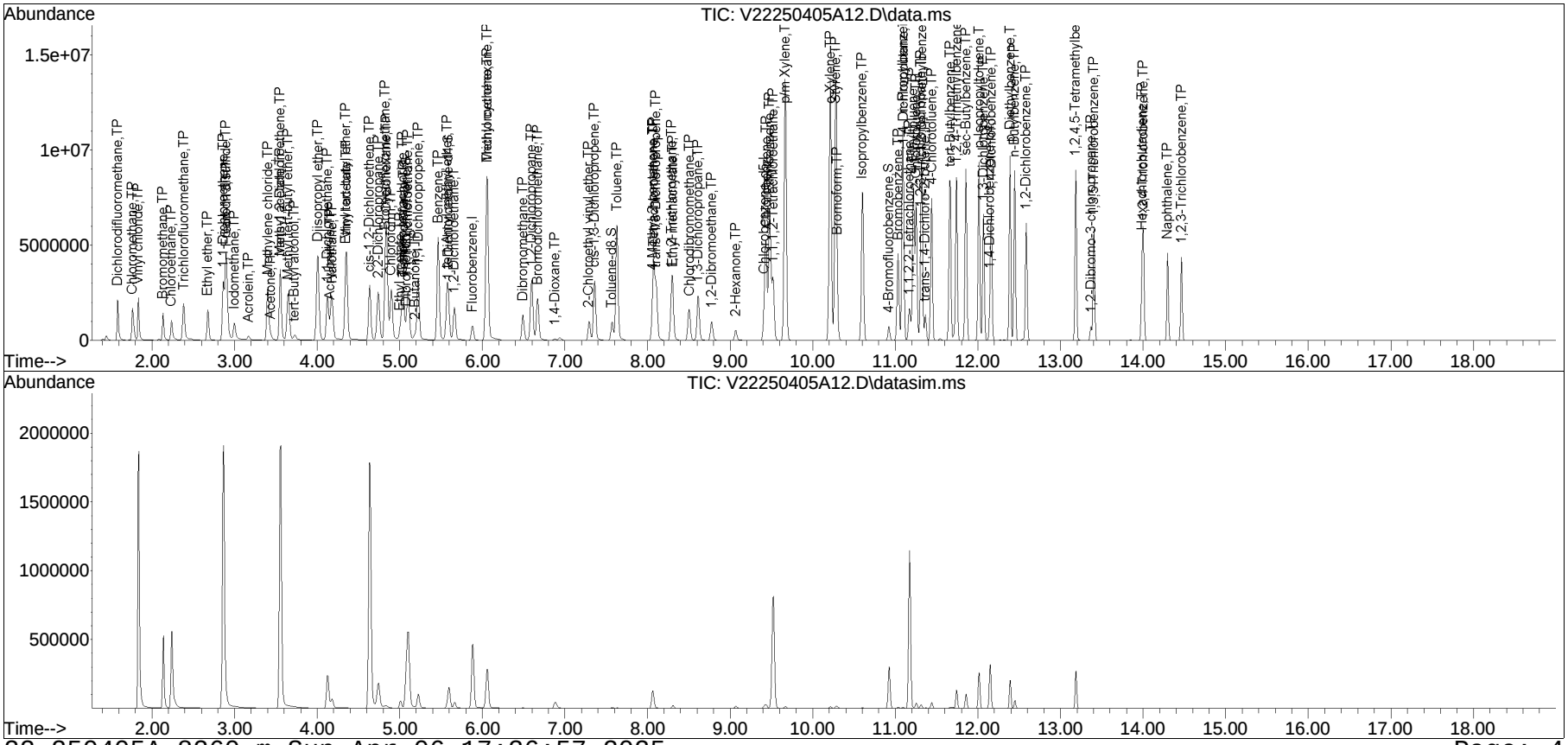
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A12.D
Acq On : 05 Apr 2025 07:50 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 06 10:22:44 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

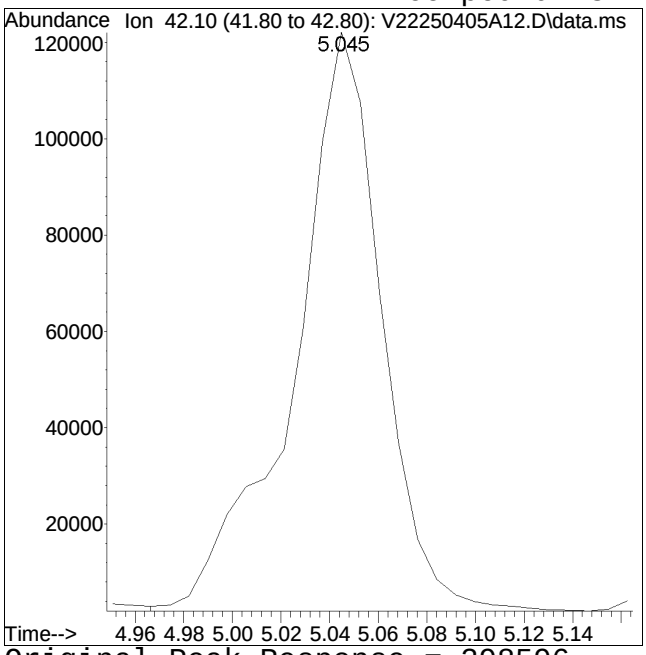
Sub List : 8260-Curve - Megamix plus Diox\V22250405A09.D•



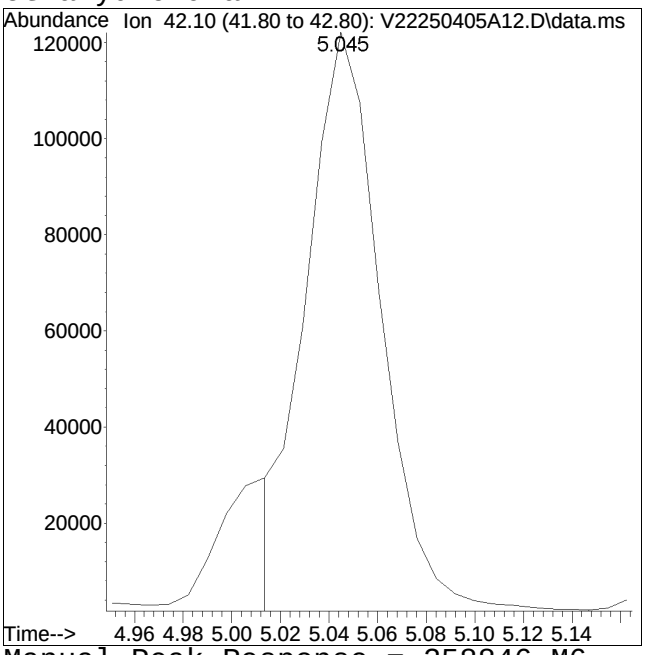
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A12.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 7:50 pm Instrument : VOA 122
Sample : I8260STD120PPB Quant Date : 4/6/2025 10:22 am

Compound #37: Tetrahydrofuran



Original Peak Response = 298596



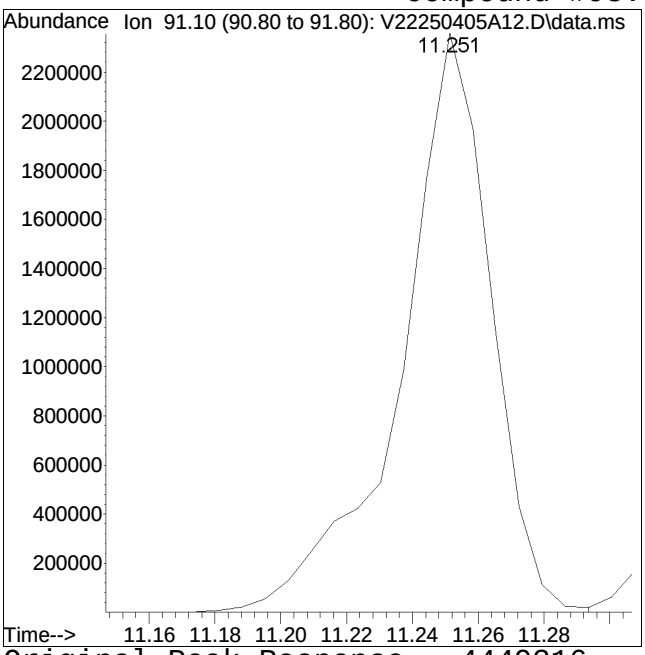
Manual Peak Response = 258846 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

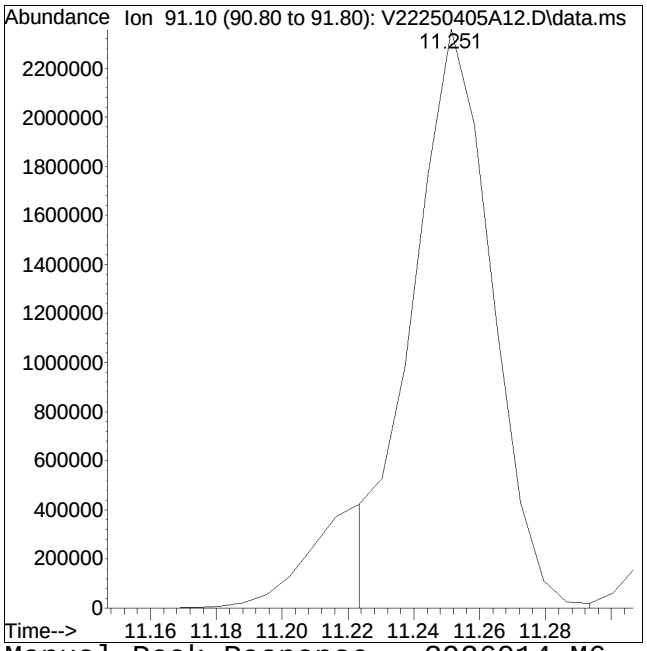
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A12.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 7:50 pm Instrument : VOA 122
Sample : I8260STD120PPB Quant Date : 4/6/2025 10:22 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 4449316



Manual Peak Response = 3926014 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A13.D
Acq On : 05 Apr 2025 08:15 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 10:22:52 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.884	96	808548	10.000 ug/L	0.00
Standard Area 1 = 544981			Recovery = 148.36%		
62) Chlorobenzene-d5	9.414	117	602117	10.000 ug/L	0.00
Standard Area 1 = 418617			Recovery = 143.83%		
83) 1,4-Dichlorobenzene-d4	12.146	152	309131	10.000 ug/L	0.00
Standard Area 1 = 210994			Recovery = 146.51%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.076	113	207919	9.297 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.97%		
46) 1,2-Dichloroethane-d4	5.598	65	237641	9.683 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.83%		
63) Toluene-d8	7.576	98	802898	9.878 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.78%		
87) 4-Bromofluorobenzene	10.922	95	281043	9.913 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.13%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.585	85	2589530	195.811 ug/L	99
3) Chloromethane	1.766	50	3196713	172.983 ug/L	98
4) Vinyl chloride	1.836	62	3095301	176.415 ug/L	96
5) Bromomethane	2.134	94	1314741	261.410 ug/L	98
6) Chloroethane	2.236	64	1371777	165.853 ug/L	100
7) Trichlorofluoromethane	2.385	101	3039490	197.397 ug/L	100
8) Ethyl ether	2.676	74	991511	205.993 ug/L	89
10) 1,1-Dichloroethene	2.864	96	1885952	202.956 ug/L	97
11) Carbon disulfide	2.895	76	6481714	193.646 ug/L	98
12) Freon-113	2.903	101	1982351	205.470 ug/L	98
13) Iodomethane	2.997	142	2060921	321.637 ug/L	100
14) Acrolein	3.170	56	310938	219.844 ug/L	99
15) Methylene chloride	3.405	84	2133058	188.211 ug/L	89
17) Acetone	3.437	43	423023	182.583 ug/L	94
18) trans-1,2-Dichloroethene	3.554	96	2102916	197.587 ug/L	98
19) Methyl acetate	3.554	43	1158417	188.726 ug/L	97
21) Methyl tert-butyl ether	3.648	73	4530497	225.619 ug/L	92
22) tert-Butyl alcohol	3.727	59	544637	1159.966 ug/L #	84
24) Diisopropyl ether	4.009	45	8270388	208.288 ug/L	97
25) 1,1-Dichloroethane	4.127	63	4461058	190.728 ug/L	98
26) Halothane	4.182	117	1597248	202.441 ug/L	98

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A13.D
Acq On : 05 Apr 2025 08:15 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 10:22:52 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.166	53	561306	206.420	ug/L		98
28) Ethyl tert-butyl ether	4.355	59	6326063	229.246	ug/L		98
29) Vinyl acetate	4.355	43	4613881	213.114	ug/L		97
30) cis-1,2-Dichloroethene	4.637	96	2231086	196.057	ug/L		96
31) 2,2-Dichloropropane	4.739	77	3019667	199.924	ug/L		91
32) Bromochloromethane	4.825	128	928837	183.919	ug/L		92
33) Cyclohexane	4.841	56	5160595	213.358	ug/L		96
34) Chloroform	4.896	83	3803169	195.793	ug/L		98
35) Ethyl acetate	5.006	43	1579279	211.002	ug/L		99
36) Carbon tetrachloride	5.037	117	2994635	198.628	ug/L		98
37) Tetrahydrofuran	5.045	42	477413M6	196.484	ug/L		
39) 1,1,1-Trichloroethane	5.100	97	3271744	204.210	ug/L		97
41) 2-Butanone	5.186	43	678534	208.633	ug/L	#	89
42) 1,1-Dichloropropene	5.225	75	3066097	213.321	ug/L		95
44) Benzene	5.465	78	8546731	181.672	ug/L		98
45) tert-Amyl methyl ether	5.577	73	4745520	242.092	ug/L		90
47) 1,2-Dichloroethane	5.661	62	2641579	185.431	ug/L		99
50) Methyl cyclohexane	6.059	83	4241082	237.628	ug/L		93
51) Trichloroethene	6.059	95	2382127	188.843	ug/L		97
53) Dibromomethane	6.491	93	851628	199.502	ug/L		99
54) 1,2-Dichloropropane	6.596	63	2534526	205.652	ug/L		98
56) 2-Chloroethyl vinyl ether	7.298	63	871784	235.198	ug/L		96
57) Bromodichloromethane	6.672	83	2926456	210.001	ug/L		100
60) 1,4-Dioxane	6.881	88	112065	2152.664	ug/L		94
61) cis-1,3-Dichloropropene	7.360	75	3532239	228.410	ug/L		95
64) Toluene	7.631	92	5254253	203.218	ug/L		95
65) 4-Methyl-2-pentanone	8.062	58	493220	244.365	ug/L		88
66) Tetrachloroethene	8.076	166	2214749	191.235	ug/L		97
68) trans-1,3-Dichloropropene	8.111	75	2851016	238.317	ug/L		94
70) Ethyl methacrylate	8.305	69	1734024	246.899	ug/L		89
71) 1,1,2-Trichloroethane	8.292	83	1302394	219.781	ug/L		99
72) Chlorodibromomethane	8.507	129	1911276	229.036	ug/L		98
73) 1,3-Dichloropropane	8.611	76	2732826	215.382	ug/L		99
74) 1,2-Dibromoethane	8.778	107	1465815	227.244	ug/L		100
76) 2-Hexanone	9.071	43	862403	225.890	ug/L		95
77) Chlorobenzene	9.435	112	5792444	198.760	ug/L		99
78) Ethylbenzene	9.484	91	10181263	203.293	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.519	131	2045094	223.298	ug/L		99
80) p/m Xylene	9.674	106	8074199	429.332	ug/L		92
81) o Xylene	10.214	106	7887648	437.268	ug/L		93

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A13.D
Acq On : 05 Apr 2025 08:15 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 10:22:52 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.284	104	12414451	441.585	ug/L		93
84) Bromoform	10.298	173	1121459	244.137	ug/L		98
86) Isopropylbenzene	10.606	105	10306214	209.107	ug/L		97
88) Bromobenzene	11.034	156	2228032	205.325	ug/L		99
89) n-Propylbenzene	11.090	91	12016488	204.153	ug/L		95
90) 1,4-Dichlorobutane	11.097	55	3141376	215.742	ug/L		99
91) 1,1,2,2-Tetrachloroethane	11.174	83	1707027	217.183	ug/L		98
92) 4-Ethyltoluene	11.223	105	9757600	212.148	ug/L		97
93) 2-Chlorotoluene	11.251	91	6960456M6	200.227	ug/L		
94) 1,3,5-Trimethylbenzene	11.322	105	8302756	218.638	ug/L		98
95) 1,2,3-Trichloropropane	11.308	75	1444429	222.636	ug/L		99
96) trans-1,4-Dichloro-2-b...	11.364	53	544415	226.609	ug/L	#	80
97) 4-Chlorotoluene	11.441	91	7382211	206.876	ug/L		99
98) tert-Butylbenzene	11.665	119	8471721	216.931	ug/L		97
101) 1,2,4-Trimethylbenzene	11.742	105	9094101	216.132	ug/L		100
102) sec-Butylbenzene	11.853	105	10496367	208.368	ug/L		97
103) p-Isopropyltoluene	12.014	119	8863097	215.931	ug/L		96
104) 1,3-Dichlorobenzene	12.069	146	4520775	201.761	ug/L		98
105) 1,4-Dichlorobenzene	12.167	146	4460533	199.913	ug/L		99
106) p-Diethylbenzene	12.389	119	5375506	225.014	ug/L		98
107) n-Butylbenzene	12.445	91	7759365	214.335	ug/L		96
108) 1,2-Dichlorobenzene	12.591	146	4020040	203.560	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.190	119	7394291	228.615	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.371	155	251579	250.842	ug/L		98
111) 1,3,5-Trichlorobenzene	13.406	180	2752726	204.846	ug/L		99
112) Hexachlorobutadiene	13.990	225	981665	218.226	ug/L		99
113) 1,2,4-Trichlorobenzene	14.004	180	2380540	208.781	ug/L		99
114) Naphthalene	14.297	128	5186790	218.751	ug/L		100
115) 1,2,3-Trichlorobenzene	14.471	180	1977941	206.237	ug/L		98

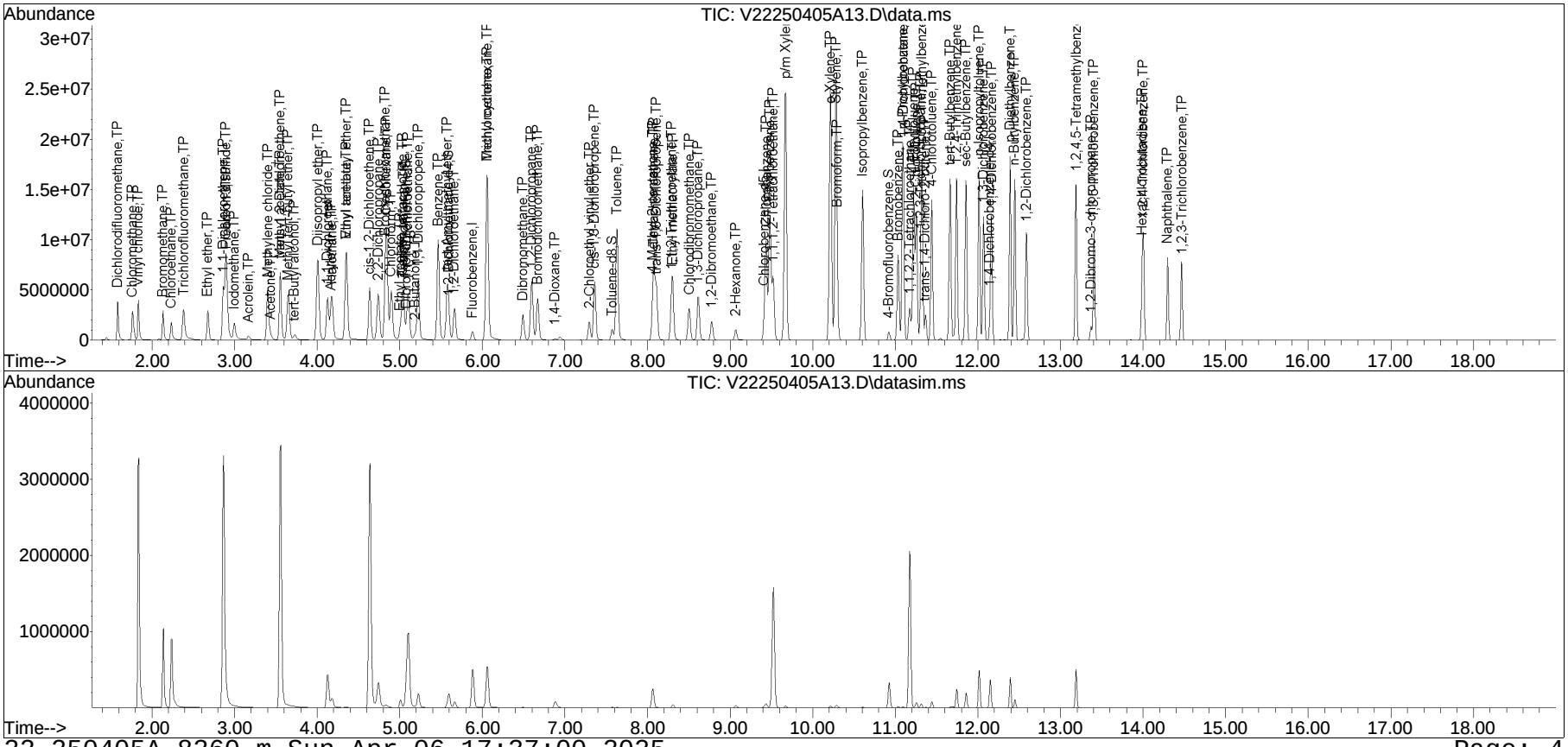
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250405A13.D
Acq On : 05 Apr 2025 08:15 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 10:22:52 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:21:35 2025
Response via : Initial Calibration

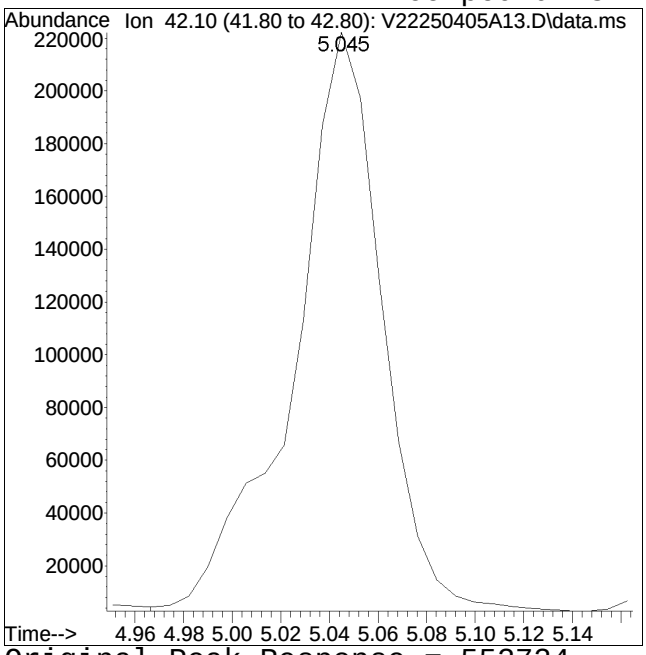
Sub List : 8260-Curve - Megamix plus Diox\V22250405A09.D•



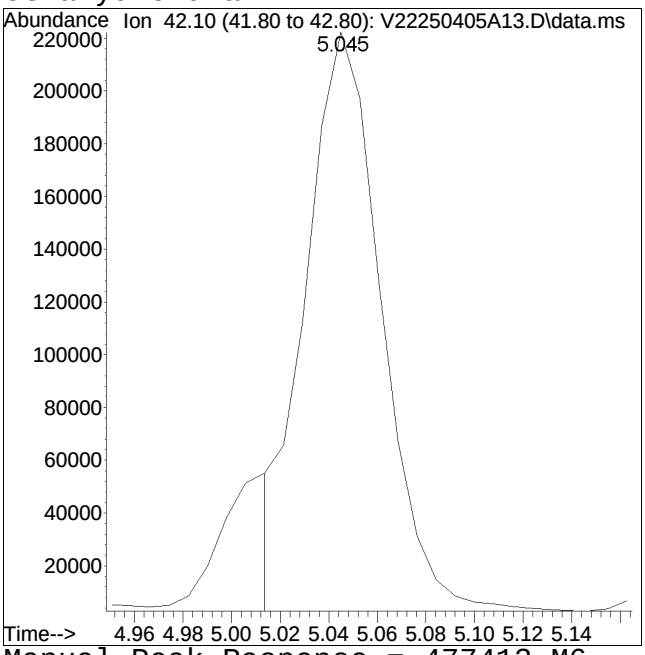
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250405A13.D Operator : VOA122:PID
Date Inj'd : 4/5/2025 8:15 pm Instrument : VOA 122
Sample : I8260STD200PPB Quant Date : 4/6/2025 10:22 am

Compound #37: Tetrahydrofuran



Original Peak Response = 552724



Manual Peak Response = 477413 M6

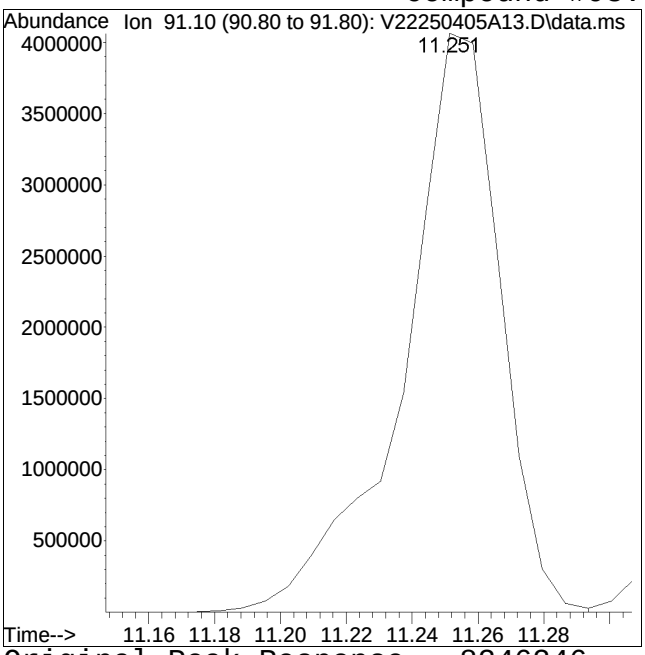
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

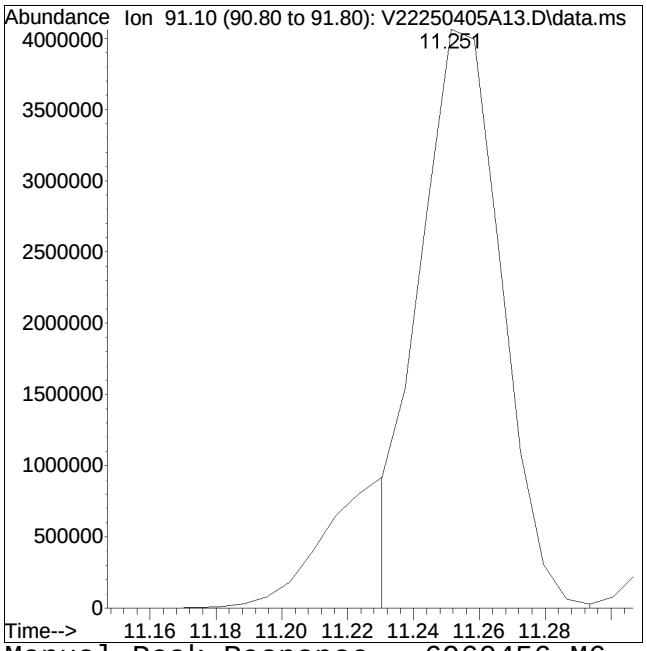
Data Path : K:\VOA122\2025\250405AICALQ
Data File : V22250405A13.D
Date Inj'd : 4/5/2025 8:15 pm
Sample : I8260STD200PPB

Method : V122_250405A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 4/6/2025 10:22 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 8246246



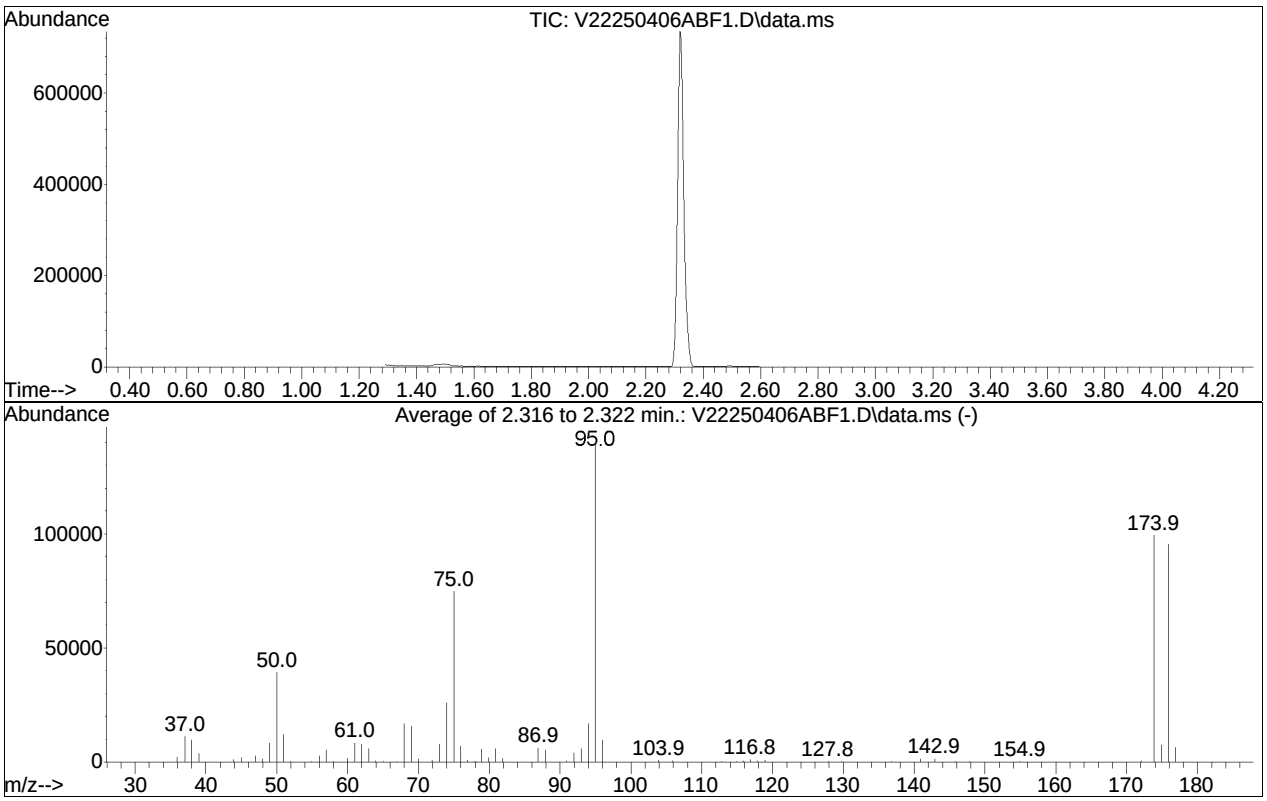
Manual Peak Response = 6960456 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406ABF1.D
Acq On : 06 Apr 2025 11:00 am
Operator : VOA122:PID
Sample : WG2050134-2
Misc : WG2050134
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Apr 06 12:31:29 2025



AutoFind: Scans 369, 370, 371; Background Corrected with Scan 356

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	28.2	39429	PASS
75	95	30	60	53.6	74979	PASS
95	95	100	100	100.0	139947	PASS
96	95	5	9	6.9	9625	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.1	99496	PASS
175	174	5	9	7.4	7408	PASS
176	174	95	101	95.8	95363	PASS
177	176	5	9	6.8	6438	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A02.D
Acq On : 06 Apr 2025 11:37 am
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 12:21:55 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:24:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.877	96	490568	10.000 ug/L	0.00
Standard Area 1 = 544981			Recovery =	90.02%	
62) Chlorobenzene-d5	9.414	117	376959	10.000 ug/L	0.00
Standard Area 1 = 418617			Recovery =	90.05%	
83) 1,4-Dichlorobenzene-d4	12.145	152	182173	10.000 ug/L	0.00
Standard Area 1 = 210994			Recovery =	86.34%	
System Monitoring Compounds					
38) Dibromofluoromethane	5.076	113	139800	10.303 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.03%	
46) 1,2-Dichloroethane-d4	5.591	65	161050	10.816 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.16%	
63) Toluene-d8	7.568	98	514525	10.111 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.11%	
87) 4-Bromofluorobenzene	10.922	95	170041	10.178 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.78%	
Target Compounds					Qvalue
4) Vinyl chloride	1.836	62	2095	0.197 ug/L	97
36) Carbon tetrachloride	5.037	117	1707	0.187 ug/L #	76
44) Benzene	5.472	78	4927	0.173 ug/L #	82
47) 1,2-Dichloroethane	5.660	62	1844	0.213 ug/L #	90
51) Trichloroethene	6.051	95	1565	0.204 ug/L #	76
61) cis-1,3-Dichloropropene	7.360	75	1256	0.134 ug/L #	88
66) Tetrachloroethene	8.083	166	1085	0.150 ug/L	91
68) trans-1,3-Dichloropropene	8.104	75	1135	0.152 ug/L	97
91) 1,1,2,2-Tetrachloroethane	11.174	83	879	0.190 ug/L #	86

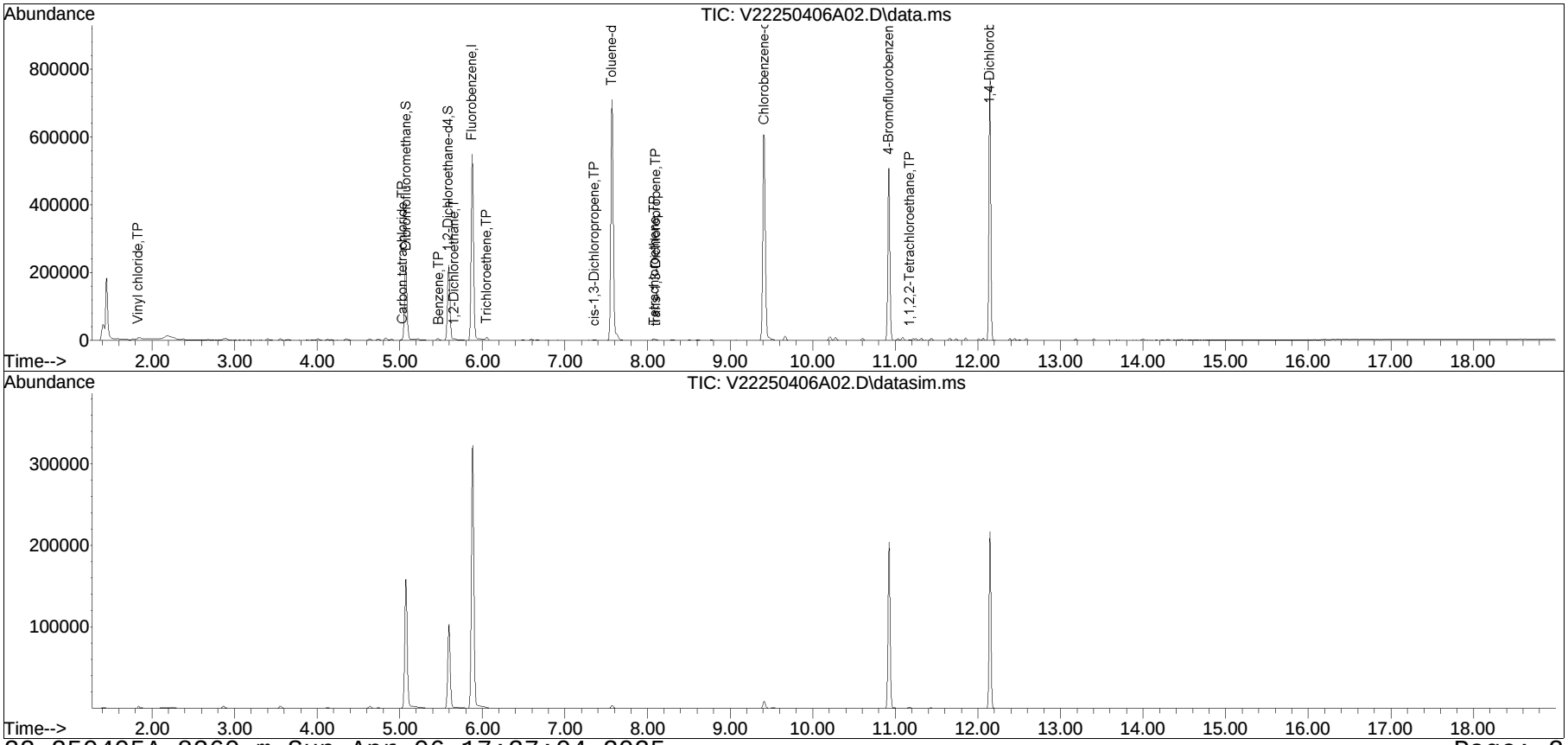
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A02.D
Acq On : 06 Apr 2025 11:37 am
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 12:21:55 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 10:24:19 2025
Response via : Initial Calibration

Sub List : 8260-L11_NJnew - L11 new NJCAL\V22250405A09.D•



Manual Integration Report

Data Path	: K:\VOA122\2025\250405AICALQ	Method	: V122_250405A_8260.m
Data File	: V22250406A02.D	Operator	: VOA122:PID
Date Inj'd	: 4/6/2025 11:37 am	Instrument	: VOA 122
Sample	: I8260STD0.19PPB	Quant Date	: 4/6/2025 12:21 pm

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

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A04.D
Acq On : 06 Apr 2025 12:26 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:47:43 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	TP	Dichlorodifluoromethane	0.164	0.202	-23.2#	112	0.00
3	TP	Chloromethane	0.229	0.285	-24.5#	109	0.00
4	TP	Vinyl chloride	0.199	0.228	-14.6	106	0.00
5	TP	Bromomethane	0.062	0.057	8.1	101	0.00
6	TP	Chloroethane	0.102	0.121	-18.6	101	0.00
7	TP	Trichlorofluoromethane	0.190	0.220	-15.8	106	0.00
8	TP	Ethyl ether	0.060	0.060	0.0	95	0.00
10	TP	1,1-Dichloroethene	0.115	0.113	1.7	88	0.00
11	TP	Carbon disulfide	0.414	0.389	6.0	86	0.00
12	TP	Freon-113	0.119	0.140	-17.6	106	0.00
13	TP	Iodomethane	0.000	0.000#	0.0	0#	-3.00#
14	TP	Acrolein	0.017	0.015	11.8	81	0.00
15	TP	Methylene chloride	0.140	0.141	-0.7	94	0.00
17	TP	Acetone	0.029	0.026	10.3	86	0.00
18	TP	trans-1,2-Dichloroethene	0.132	0.137	-3.8	94	0.00
19	TP	Methyl acetate	0.076	0.074	2.6	97	0.00
21	TP	Methyl tert-butyl ether	0.248	0.235	5.2	90	0.00
22	TP	tert-Butyl alcohol	0.00581	0.00585#	-0.7	98	0.00
24	TP	Diisopropyl ether	0.491	0.490	0.2	93	0.00
25	TP	1,1-Dichloroethane	0.289	0.304	-5.2	96	0.00
26	TP	Halothane	0.098	0.106	-8.2	101	0.00
27	TP	Acrylonitrile	0.034	0.035	-2.9	93	0.00
28	TP	Ethyl tert-butyl ether	0.341	0.338	0.9	96	0.00
29	TP	Vinyl acetate	0.268	0.236	11.9	89	0.00
30	TP	cis-1,2-Dichloroethene	0.141	0.147#	-4.3	95	0.00
31	TP	2,2-Dichloropropane	0.187	0.203	-8.6	101	0.00
32	TP	Bromochloromethane	0.062	0.065#	-4.8	94	0.00
33	TP	Cyclohexane	0.299	0.326	-9.0	97	0.00
34	TP	Chloroform	0.240	0.242#	-0.8	96	0.00
35	TP	Ethyl acetate	0.093	0.091	2.2	96	0.00
36	TP	Carbon tetrachloride	0.178	0.179	-0.6	93	0.00
37	TP	Tetrahydrofuran	0.030	0.030	0.0	88	0.00
38	S	Dibromofluoromethane	0.275	0.273	0.7	94	0.00
39	TP	1,1,1-Trichloroethane	0.198	0.208	-5.1	96	0.00
41	TP	2-Butanone	0.040	0.034	15.0	88	0.00
42	TP	1,1-Dichloropropene	0.178	0.194	-9.0	103	0.00
44	TP	Benzene	0.519	0.532	-2.5	96	0.00
45	TP	tert-Amyl methyl ether	0.242	0.224	7.4	95	0.00

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A04.D
Acq On : 06 Apr 2025 12:26 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:47:43 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4		0.303	0.306	-1.0	97	0.00
47	T	1,2-Dichloroethane		0.173	0.174	-0.6	98	0.00
50	TP	Methyl cyclohexane		0.236	0.226	4.2	101	0.00
51	TP	Trichloroethene		0.141	0.134#	5.0	93	0.00
53	TP	Dibromomethane		0.053	0.055	-3.8	99	0.00
54	TP	1,2-Dichloropropane		0.152	0.155#	-2.0	94	0.00
56	TP	2-Chloroethyl vinyl ether		0.049	0.040	18.4	88	0.00
57	TP	Bromodichloromethane		0.172	0.170#	1.2	92	0.00
60	TP	1,4-Dioxane		0.00064	0.00066#	-3.1	98	0.00
61	TP	cis-1,3-Dichloropropene		0.191	0.190#	0.5	96	0.00
62	I	Chlorobenzene-d5		1.000	1.000	0.0	95	0.00
63	S	Toluene-d8		1.352	1.378	-1.9	97	0.00
64	TP	Toluene		0.429	0.448	-4.4	97	0.00
65	TP	4-Methyl-2-pentanone	*	10.000	8.404	16.0	94	0.00
66	TP	Tetrachloroethene		0.174	0.176	-1.1	94	0.00
68	TP	trans-1,3-Dichloropropene		0.204	0.205#	-0.5	98	0.00
70	TP	Ethyl methacrylate		0.123	0.115	6.5	101	0.00
71	TP	1,1,2-Trichloroethane		0.098	0.098#	0.0	94	0.00
72	TP	Chlorodibromomethane		0.139	0.138#	0.7	94	0.00
73	TP	1,3-Dichloropropane		0.211	0.211	0.0	94	0.00
74	TP	1,2-Dibromoethane		0.107	0.107#	0.0	94	0.00
76	TP	2-Hexanone		0.063	0.055	12.7	94	0.00
77	TP	Chlorobenzene		0.484	0.493	-1.9	94	0.00
78	TP	Ethylbenzene		0.832	0.861	-3.5	94	0.00
79	TP	1,1,1,2-Tetrachloroethane		0.152	0.144	5.3	91	0.00
80	TP	p/m Xylene		0.312	0.322	-3.2	93	0.00
81	TP	o Xylene		0.300	0.307	-2.3	92	0.00
82	TP	Styrene	*	20.000	19.104	4.5	95	0.00
83	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	94	0.00
84	TP	Bromoform	*	10.000	8.988	10.1	92	0.00
86	TP	Isopropylbenzene		1.594	1.665	-4.5	91	0.00
87	S	4-Bromofluorobenzene		0.919	0.956	-4.0	96	0.00
88	TP	Bromobenzene		0.351	0.355	-1.1	91	0.00
89	TP	n-Propylbenzene		1.904	2.080	-9.2	95	0.00
90	TP	1,4-Dichlorobutane		0.471	0.499	-5.9	97	0.00
91	TP	1,1,2,2-Tetrachloroethane		0.256	0.256	0.0	93	0.00
92	TP	4-Ethyltoluene		1.488	1.689	-13.5	99	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A04.D
Acq On : 06 Apr 2025 12:26 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:47:43 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene		1.125	1.192	-6.0	93	0.00
94 TP	1,3,5-Trimethylbenzene		1.228	1.289	-5.0	93	0.00
95 TP	1,2,3-Trichloropropane		0.210	0.217	-3.3	100	0.00
96 TP	trans-1,4-Dichloro-2-butene		0.078	0.091	-16.7	109	0.00
97 TP	4-Chlorotoluene		1.154	1.203	-4.2	93	0.00
98 TP	tert-Butylbenzene		1.263	1.335	-5.7	91	0.00
101 TP	1,2,4-Trimethylbenzene		1.361	1.485	-9.1	96	0.00
102 TP	sec-Butylbenzene		1.630	1.747	-7.2	93	0.00
103 TP	p-Isopropyltoluene	*	10.000	9.779	2.2	92	0.00
104 TP	1,3-Dichlorobenzene		0.725	0.749	-3.3	93	0.00
105 TP	1,4-Dichlorobenzene		0.722	0.736	-1.9	93	0.00
106 TP	p-Diethylbenzene		0.822	0.789	4.0	90	0.00
107 TP	n-Butylbenzene		1.171	1.353	-15.5	100	0.00
108 TP	1,2-Dichlorobenzene		0.639	0.657	-2.8	93	0.00
109 TP	1,2,4,5-Tetramethylbenzene		1.121	1.063	5.2	91	0.00
110 TP	1,2-Dibromo-3-chloropropane	*	10.000	9.054	9.5	98	0.00
111 TP	1,3,5-Trichlorobenzene		0.435	0.446	-2.5	91	0.00
112 TP	Hexachlorobutadiene		0.146	0.142	2.7	90	0.00
113 TP	1,2,4-Trichlorobenzene		0.369	0.367#	0.5	90	0.00
114 TP	Naphthalene		0.767	0.774	-0.9	91	0.00
115 TP	1,2,3-Trichlorobenzene		0.310	0.318#	-2.6	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 16 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A04.D
Acq On : 06 Apr 2025 12:26 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:47:43 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.877	96	528831	10.000 ug/L	0.00
Standard Area 1 = 544981			Recovery = 97.04%		
62) Chlorobenzene-d5	9.407	117	396577	10.000 ug/L	0.00
Standard Area 1 = 418617			Recovery = 94.74%		
83) 1,4-Dichlorobenzene-d4	12.146	152	198918	10.000 ug/L	0.00
Standard Area 1 = 210994			Recovery = 94.28%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.068	113	144495	9.934 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.34%		
46) 1,2-Dichloroethane-d4	5.591	65	161771	10.086 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.86%		
63) Toluene-d8	7.569	98	546529	10.197 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%		
87) 4-Bromofluorobenzene	10.922	95	190092	10.396 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.96%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.585	85	106773	12.344 ug/L	99
3) Chloromethane	1.766	50	150824	12.478 ug/L	99
4) Vinyl chloride	1.836	62	120655	11.477 ug/L	98
5) Bromomethane	2.134	94	30363	9.230 ug/L	98
6) Chloroethane	2.244	64	64185	11.865 ug/L	98
7) Trichlorofluoromethane	2.385	101	116562	11.574 ug/L	100
8) Ethyl ether	2.676	74	31776	10.094 ug/L	98
10) 1,1-Dichloroethene	2.864	96	59685	9.820 ug/L	97
11) Carbon disulfide	2.895	76	205761	9.399 ug/L	99
12) Freon-113	2.903	101	73861	11.705 ug/L	97
13) Iodomethane	0.000		0	N.D. d	
14) Acrolein	3.170	56	8089	8.744 ug/L	100
15) Methylene chloride	3.405	84	74631	10.068 ug/L	97
17) Acetone	3.437	43	13990	9.232 ug/L	96
18) trans-1,2-Dichloroethene	3.554	96	72314	10.388 ug/L	99
19) Methyl acetate	3.554	43	39381	9.809 ug/L	99
21) Methyl tert-butyl ether	3.648	73	124395	9.472 ug/L	99
22) tert-Butyl alcohol	3.727	59	15462	50.349 ug/L	99
24) Diisopropyl ether	4.009	45	259288	9.984 ug/L	99
25) 1,1-Dichloroethane	4.127	63	160926	10.519 ug/L	99
26) Halothane	4.174	117	55862	10.825 ug/L	99

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A04.D
Acq On : 06 Apr 2025 12:26 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:47:43 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.166	53	18335	10.309	ug/L	96
28) Ethyl tert-butyl ether	4.347	59	178767	9.905	ug/L	96
29) Vinyl acetate	4.355	43	124918	8.822	ug/L	100
30) cis-1,2-Dichloroethene	4.637	96	77640	10.431	ug/L	97
31) 2,2-Dichloropropane	4.739	77	107535	10.885	ug/L	99
32) Bromochloromethane	4.825	128	34255	10.371	ug/L	96
33) Cyclohexane	4.833	56	172295	10.891	ug/L	99
34) Chloroform	4.896	83	127757	10.056	ug/L	99
35) Ethyl acetate	5.006	43	48118	9.829	ug/L	98
36) Carbon tetrachloride	5.037	117	94837	10.057	ug/L	98
37) Tetrahydrofuran	5.045	42	15804M6	9.945	ug/L	
39) 1,1,1-Trichloroethane	5.100	97	110173	10.514	ug/L	98
41) 2-Butanone	5.186	43	17905M3	8.417	ug/L	
42) 1,1-Dichloropropene	5.218	75	102656	10.920	ug/L	94
44) Benzene	5.465	78	281178	10.245	ug/L	99
45) tert-Amyl methyl ether	5.577	73	118581	9.249	ug/L	98
47) 1,2-Dichloroethane	5.661	62	92027	10.050	ug/L	98
50) Methyl cyclohexane	6.052	83	119480	9.586	ug/L	98
51) Trichloroethene	6.052	95	71070	9.519	ug/L	99
53) Dibromomethane	6.491	93	29146	10.439	ug/L	98
54) 1,2-Dichloropropane	6.596	63	81999	10.173	ug/L	98
56) 2-Chloroethyl vinyl ether	7.298	63	21358	8.289	ug/L	96
57) Bromodichloromethane	6.665	83	89701	9.842	ug/L	100
60) 1,4-Dioxane	6.881	88	17493	513.759	ug/L	99
61) cis-1,3-Dichloropropene	7.353	75	100339	9.954	ug/L	99
64) Toluene	7.631	92	177492	10.423	ug/L	98
65) 4-Methyl-2-pentanone	8.062	58	11003	8.404	ug/L	98
66) Tetrachloroethene	8.076	166	69863	10.135	ug/L	97
68) trans-1,3-Dichloropropene	8.104	75	81208	10.043	ug/L	98
70) Ethyl methacrylate	8.305	69	45685	9.370	ug/L	95
71) 1,1,2-Trichloroethane	8.292	83	38952	9.980	ug/L	98
72) Chlorodibromomethane	8.500	129	54614	9.937	ug/L	99
73) 1,3-Dichloropropane	8.611	76	83737	10.020	ug/L	99
74) 1,2-Dibromoethane	8.778	107	42280	9.952	ug/L	99
76) 2-Hexanone	9.071	43	21770	8.658	ug/L	95
77) Chlorobenzene	9.435	112	195681	10.195	ug/L	99
78) Ethylbenzene	9.477	91	341609	10.356	ug/L	100
79) 1,1,1,2-Tetrachloroethane	9.519	131	57135	9.472	ug/L	99
80) p/m Xylene	9.667	106	255245	20.607	ug/L	98
81) o Xylene	10.214	106	243722	20.514	ug/L	98

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A04.D
Acq On : 06 Apr 2025 12:26 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:47:43 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250405AICAL\V22250405A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.277	104	386911	19.104	ug/L	98
84) Bromoform	10.291	173	27540	8.988	ug/L	96
86) Isopropylbenzene	10.599	105	331185	10.443	ug/L	100
88) Bromobenzene	11.034	156	70537	10.102	ug/L	98
89) n-Propylbenzene	11.090	91	413689	10.922	ug/L	100
90) 1,4-Dichlorobutane	11.097	55	99181	10.585	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.167	83	50877	9.979	ug/L	96
92) 4-Ethyltoluene	11.216	105	335980	11.352	ug/L	99
93) 2-Chlorotoluene	11.251	91	237025M6	10.596	ug/L	
94) 1,3,5-Trimethylbenzene	11.315	105	256414	10.493	ug/L	99
95) 1,2,3-Trichloropropane	11.308	75	43172	10.341	ug/L	97
96) trans-1,4-Dichloro-2-b...	11.364	53	18070	11.689	ug/L	98
97) 4-Chlorotoluene	11.434	91	239393	10.426	ug/L	98
98) tert-Butylbenzene	11.658	119	265582	10.569	ug/L	93
101) 1,2,4-Trimethylbenzene	11.735	105	295409	10.911	ug/L	100
102) sec-Butylbenzene	11.853	105	347479	10.720	ug/L	99
103) p-Isopropyltoluene	12.014	119	279296	9.779	ug/L	99
104) 1,3-Dichlorobenzene	12.069	146	149017	10.335	ug/L	100
105) 1,4-Dichlorobenzene	12.160	146	146402	10.197	ug/L	100
106) p-Diethylbenzene	12.389	119	156916	9.596	ug/L	98
107) n-Butylbenzene	12.445	91	269097	11.552	ug/L	99
108) 1,2-Dichlorobenzene	12.584	146	130779	10.291	ug/L	100
109) 1,2,4,5-Tetramethylben...	13.183	119	211388	9.481	ug/L	100
110) 1,2-Dibromo-3-chloropr...	13.371	155	6779	9.054	ug/L	95
111) 1,3,5-Trichlorobenzene	13.406	180	88750	10.264	ug/L	99
112) Hexachlorobutadiene	13.990	225	28322	9.784	ug/L	99
113) 1,2,4-Trichlorobenzene	14.004	180	73035	9.954	ug/L	99
114) Naphthalene	14.297	128	153964	10.091	ug/L	100
115) 1,2,3-Trichlorobenzene	14.464	180	63196	10.240	ug/L	97

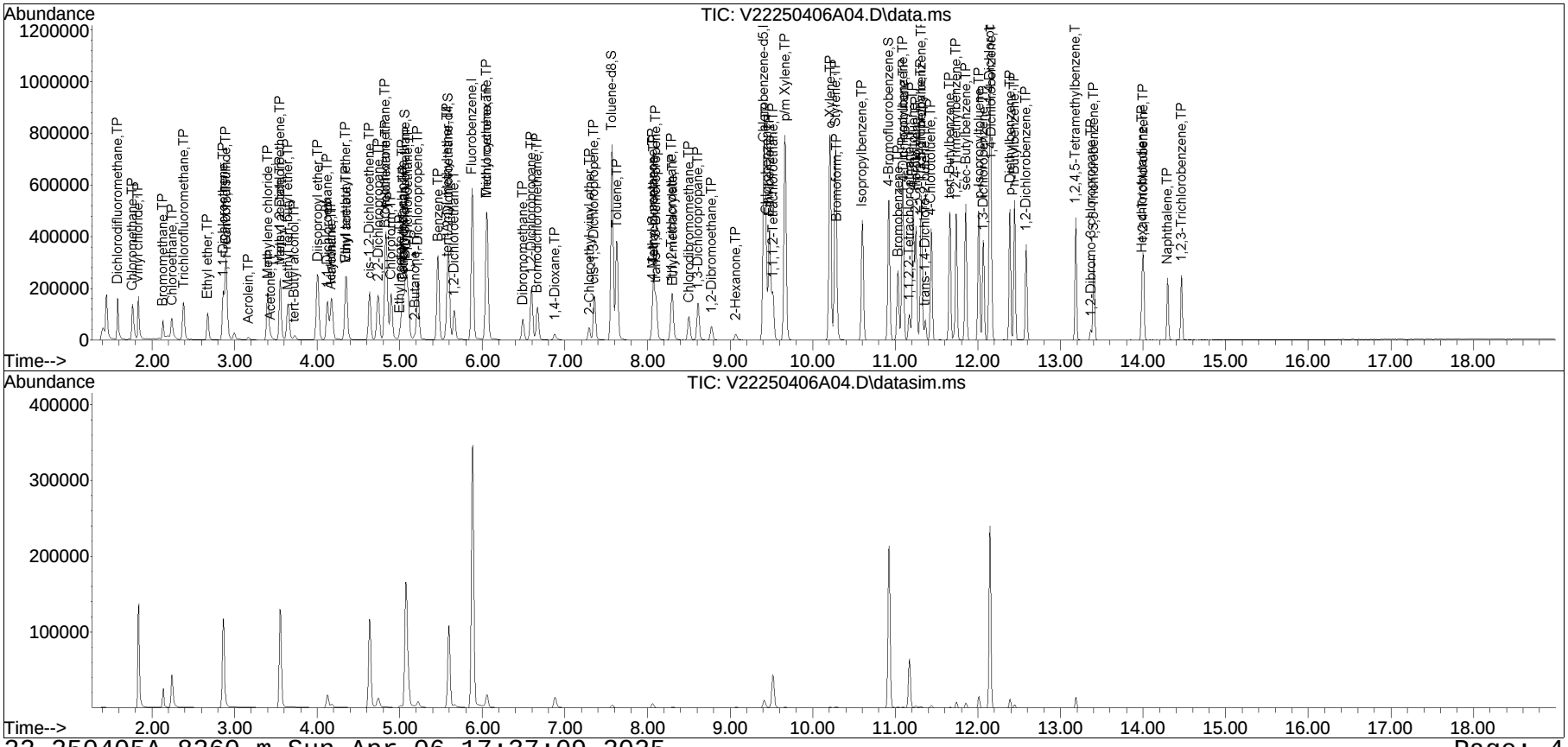
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250405AICAL\
Data File : V22250406A04.D
Acq On : 06 Apr 2025 12:26 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG2050134,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:47:43 2025
Quant Method : K:\VOA122\2025\250405AICAL\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

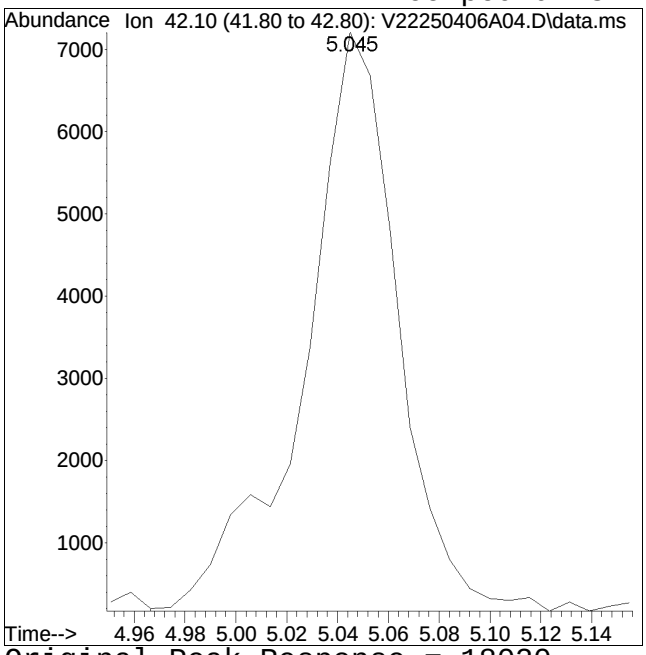
Sub List : 8260-Curve - Megamix plus Diox\V22250405A09.D•



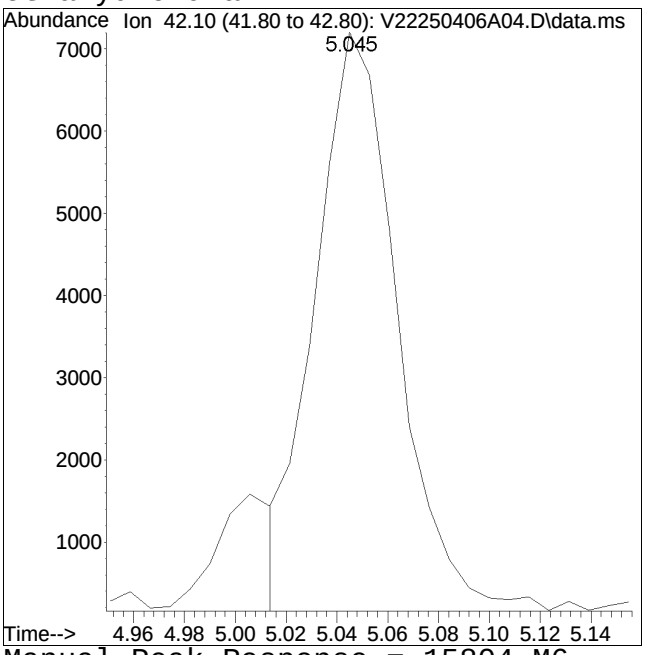
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250406A04.D Operator : VOA122:PID
Date Inj'd : 4/6/2025 12:26 pm Instrument : VOA 122
Sample : C8260STD10PPB Quant Date : 4/6/2025 12:46 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 18020



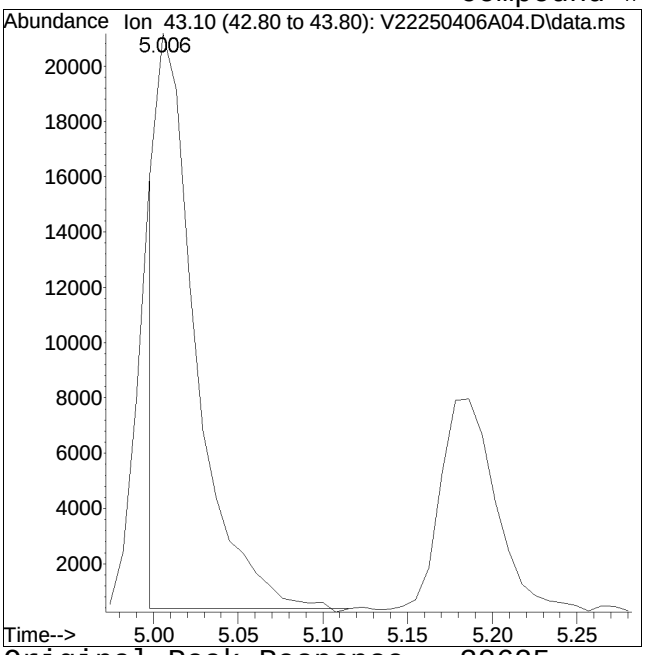
Manual Peak Response = 15804 M6

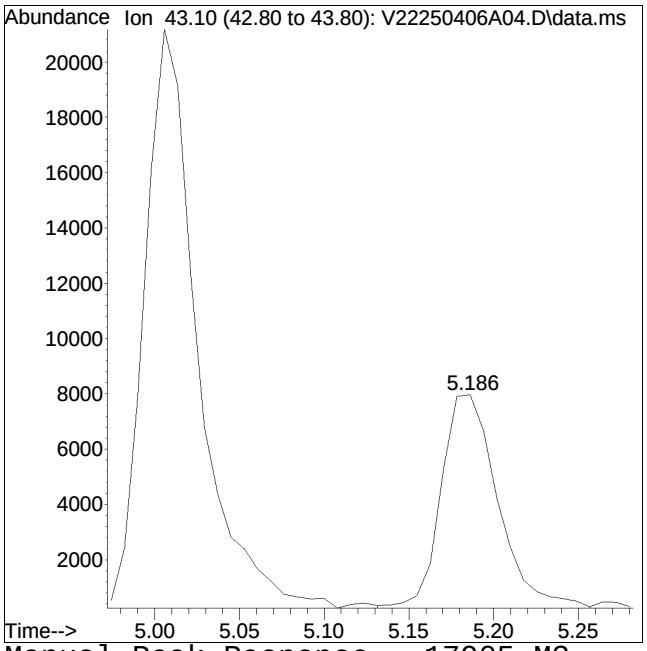
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250406A04.D Operator : VOA122:PID
Date Inj'd : 4/6/2025 12:26 pm Instrument : VOA 122
Sample : C8260STD10PPB Quant Date : 4/6/2025 12:46 pm

Compound #41: 2-Butanone





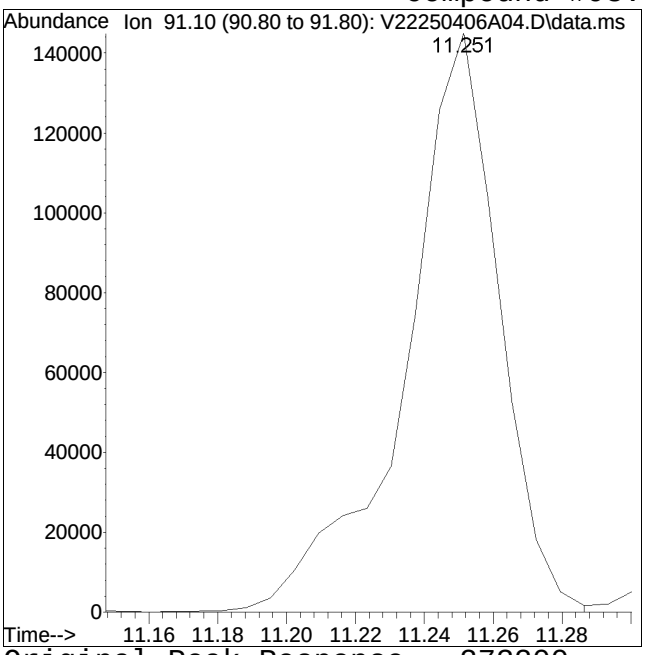
Original Peak Response = 32625 Manual Peak Response = 17905 M3

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

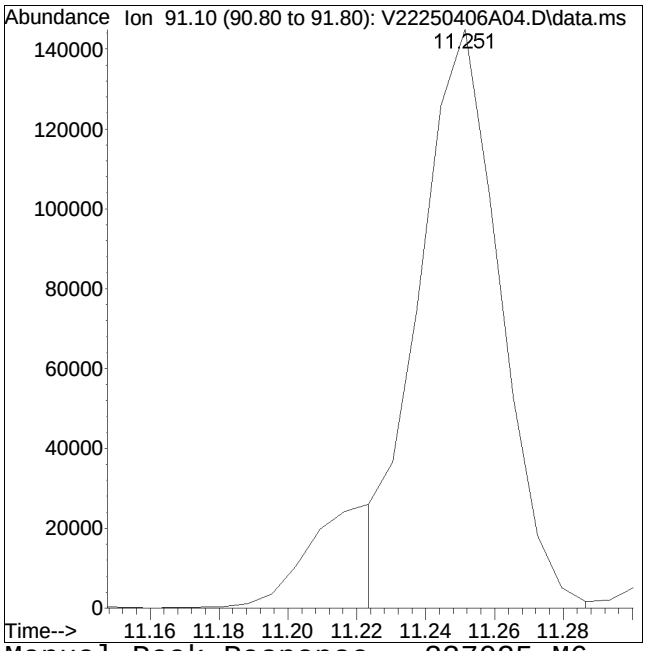
Manual Integration Report

Data Path : K:\VOA122\2025\250405AICALQMethod : V122_250405A_8260.m
Data File : V22250406A04.D Operator : VOA122:PID
Date Inj'd : 4/6/2025 12:26 pm Instrument : VOA 122
Sample : C8260STD10PPB Quant Date : 4/6/2025 12:46 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 273200



Manual Peak Response = 237025 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report VOA 122

Method Path : K:\VOA122\2025\250405AICAL\
Method File : V122_250405A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Apr 06 12:31:29 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
65	TP 4-Methyl-2-pentanone	L	ug/L	10.0	8.496	-15.0	2.00	2.516	25.8
82	TP Styrene	L	ug/L	20.0	19.108	-4.5	1.00	1.136	13.6
84	TP Bromoform	Q	ug/L	10.0	9.159	-8.4	0.50	0.606	21.2
103	TP p-Isopropyltoluene	L	ug/L	10.0	10.054	0.5	0.50	0.534	6.8
110	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	8.692	-13.1	0.50	0.595	19.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
65	TP 4-Methyl-2-pentanone	Linear	0.996535	0.000000	0.039647	-0.00557581
82	TP Styrene	Linear	0.999397	0.000000	0.527359	-0.0318254
84	TP Bromoform	Quadratic	0.999572	0.001252	0.157972	-0.00455069
103	TP p-Isopropyltoluene	Linear	0.999154	0.000000	1.47551	-0.0388888
110	TP 1,2-Dibromo-3-chloropropane	Linear	0.998717	0.000000	0.0397697	-0.00192848

Response Factor Report VOA 101

Method Path : K:\VOA101\2025\250503BICAL\
Method File : V101_250503B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon May 05 12:04:15 2025
Response Via : Initial Calibration

Calibration Files
L11 =V01250503B03.D L1 =V01250503B05.D L2 =V01250503B08.D L3 =V01250503B09.D L4 =V01250503B10.D
L6 =V01250503B11.D L8 =V01250503B12.D L10 =V01250503B13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.198	0.320	0.320	0.347	0.338	0.323	0.292	0.305	16.48
3)	TP	Chloromethane		0.141	0.174	0.163	0.194	0.196	0.200	0.201	0.181	12.63
4)	TP	Vinyl chloride	0.220	0.174	0.261	0.259	0.294	0.306	0.302	0.282	0.262	17.31
5)	TP	Bromomethane		0.051	0.051	0.061	0.084	0.124	0.143		*Q	0.9988
6)	TP	Chloroethane		0.126	0.169	0.151	0.155	0.151	0.149	0.137	0.148	9.28
7)	TP	Trichlorofluor...		0.280	0.384	0.369	0.373	0.364	0.353	0.332	0.351	10.10
8)	TP	Ethyl ether		0.110	0.108	0.106	0.105	0.105	0.104	0.098	0.105	3.64
10)	TP	1,1-Dichloroet...		0.155	0.227	0.226	0.227	0.223	0.225	0.226	0.215	12.40
11)	TP	Carbon disulfide		0.583	0.724	0.727	0.744	0.735	0.759	0.760	0.719	8.57
12)	TP	Freon-113		0.156	0.224	0.241	0.235	0.222	0.226	0.219	0.217	12.96
14)	TP	Acrolein			0.015	0.018	0.018	0.018	0.019	0.020	0.018	8.10
15)	TP	Methylene chlo...		0.274	0.261	0.245	0.246	0.244	0.245	0.241	0.251	4.82
17)	TP	Acetone			0.028	0.025	0.025	0.024	0.025	0.025	0.025	5.71
18)	TP	trans-1,2-Dich...		0.188	0.247	0.242	0.249	0.244	0.248	0.240	0.237	9.17
19)	TP	Methyl acetate		0.062	0.061	0.059	0.060	0.062	0.066	0.065	0.062	4.14
20)	TP	Methyl tert-bu...		0.463	0.484	0.489	0.504	0.494	0.501	0.481	0.488	2.88
21)	TP	tert-Butyl alc...		0.004	0.007	0.007	0.007	0.007	0.007	0.007	0.006#	19.45
22)	TP	Diisopropyl ether		0.448	0.483	0.493	0.499	0.505	0.534	0.535	0.500	6.08
23)	TP	1,1-Dichloroet...		0.343	0.434	0.418	0.424	0.415	0.426	0.414	0.411	7.46
24)	TP	Halothane		0.143	0.193	0.185	0.190	0.186	0.188	0.179	0.180	9.57
25)	TP	Acrylonitrile			0.027	0.033	0.033	0.034	0.036	0.036	0.033	9.19
26)	TP	Ethyl tert-but...		0.458	0.493	0.499	0.517	0.522	0.540	0.526	0.508	5.36
27)	TP	Vinyl acetate		0.199	0.213	0.230	0.230	0.232	0.250	0.241	0.228	7.46
28)	TP	cis-1,2-Dichlo...		0.226	0.283	0.268	0.269	0.267	0.270	0.260	0.263	6.80
29)	TP	2,2-Dichloropr...		0.245	0.338	0.320	0.342	0.334	0.337	0.320	0.319	10.71
30)	TP	Bromochloromet...		0.110	0.119	0.117	0.119	0.109	0.104	0.096	0.110	7.95
31)	TP	Cyclohexane		0.244	0.344	0.355	0.358	0.361	0.384	0.378	0.346	13.60
32)	TP	Chloroform		0.399	0.448	0.430	0.446	0.430	0.434	0.413	0.429	4.08
33)	TP	Ethyl acetate			0.084	0.088	0.087	0.090	0.095	0.093	0.090	4.43
34)	TP	Carbon tetrach...	0.284	0.236	0.327	0.340	0.350	0.344	0.342	0.329	0.319	12.27

Method Path : K:\VOA101\2025\250503BICAL\
Method File : V101_250503B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon May 05 12:04:15 2025
Response Via : Initial Calibration

Calibration Files
L11 =V01250503B03.D L1 =V01250503B05.D L2 =V01250503B08.D L3 =V01250503B09.D L4 =V01250503B10.D
L6 =V01250503B11.D L8 =V01250503B12.D L10 =V01250503B13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
35)	TP	Tetrahydrofuran		0.027	0.026	0.027	0.026	0.028	0.027	0.027		2.68
36)	S	Dibromofluorom...	0.265	0.266	0.265	0.266	0.272	0.262	0.259	0.250	0.263	2.49
37)	TP	1,1,1-Trichlor...		0.278	0.382	0.380	0.393	0.381	0.382	0.363	0.366	10.79
39)	TP	2-Butanone			0.035	0.034	0.034	0.035	0.037	0.037	0.035	4.10
40)	TP	1,1-Dichloropr...		0.229	0.326	0.329	0.340	0.332	0.338	0.325	0.317	12.36
41)	TP	Benzene	0.926	0.845	1.014	1.001	1.021	1.007	1.021	1.009	0.981	6.40
42)	TP	tert-Amyl meth...		0.433	0.480	0.484	0.506	0.514	0.521	0.518	0.494	6.33
43)	S	1,2-Dichloroet...	0.260	0.263	0.268	0.264	0.266	0.260	0.260	0.254	0.262	1.75
44)	TP	1,2-Dichloroet...	0.236	0.251	0.262	0.255	0.257	0.252	0.247	0.241	0.250	3.40
47)	TP	Methyl cyclohe...		0.294	0.440	0.456	0.458	0.462	0.479	0.462	0.436	14.62
48)	TP	Trichloroethene	0.228	0.216	0.287	0.264	0.276	0.271	0.272	0.265	0.260	9.49
50)	TP	Dibromomethane		0.114	0.126	0.123	0.125	0.123	0.124	0.121	0.122	3.25
51)	TP	1,2-Dichloropr...		0.189	0.222	0.231	0.237	0.235	0.242	0.244	0.229	8.31
53)	TP	2-Chloroethyl ...			0.006	0.008	0.009	0.008	0.007	0.006	0.007#	16.11
54)	TP	Bromodichlorom...		0.266	0.317	0.316	0.331	0.329	0.330	0.326	0.316	7.27
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.03
58)	TP	cis-1,3-Dichlo...	0.253	0.276	0.329	0.351	0.385	0.391	0.395	0.391	0.346	16.14
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.350	1.384	1.382	1.396	1.387	1.353	1.330	1.417	1.375	2.06
61)	TP	Toluene		0.664	0.855	0.849	0.851	0.823	0.823	0.864	0.818	8.55
62)	TP	4-Methyl-2-pen...			0.040	0.046	0.050	0.050	0.052	0.057	0.049	11.98
63)	TP	Tetrachloroethene	0.293	0.253	0.360	0.359	0.358	0.343	0.339	0.347	0.331	11.62
65)	TP	trans-1,3-Dich...	0.212	0.267	0.344	0.366	0.395	0.395	0.394	0.416	*L	0.9992
67)	TP	Ethyl methacry...			0.224	0.259	0.280	0.284	0.298	0.300	0.274	10.49
68)	TP	1,1,2-Trichlor...		0.192	0.203	0.204	0.200	0.190	0.195	0.197	0.197#	2.61
69)	TP	Chlorodibromom...		0.225	0.267	0.277	0.291	0.290	0.294	0.291	0.276	8.95
70)	TP	1,3-Dichloropr...		0.408	0.413	0.411	0.416	0.409	0.420	0.418	0.413	1.08
71)	TP	1,2-Dibromoethane		0.176	0.219	0.218	0.222	0.220	0.224	0.221	0.214	7.99
72)	TP	2-Hexanone			0.053	0.066	0.073	0.075	0.082	0.083	0.072	15.52
73)	TP	Chlorobenzene		0.829	0.947	0.929	0.949	0.929	0.944	0.923	0.921	4.56
74)	TP	Ethylbenzene		1.278	1.590	1.634	1.680	1.658	1.704	1.673	1.603	9.21

Method Path : K:\VOA101\2025\250503BICAL\
Method File : V101_250503B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon May 05 12:04:15 2025
Response Via : Initial Calibration

Calibration Files
L11 =V01250503B03.D L1 =V01250503B05.D L2 =V01250503B08.D L3 =V01250503B09.D L4 =V01250503B10.D
L6 =V01250503B11.D L8 =V01250503B12.D L10 =V01250503B13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
75) TP	1,1,1,2-Tetrac...		0.271	0.306	0.309	0.322	0.317	0.319	0.312	0.308	5.64
76) TP	p/m Xylene		0.474	0.606	0.629	0.646	0.633	0.643	0.602	0.605	9.91
77) TP	o Xylene		0.452	0.605	0.609	0.623	0.609	0.612	0.575	0.584	10.23
78) TP	Styrene		0.693	0.959	0.976	1.019	1.010	1.015	0.946	0.945	12.17
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.188	0.241	0.260	0.262	0.268	0.296	0.296	0.259	14.25
82) TP	Isopropylbenzene		2.288	3.046	3.063	2.973	3.167	3.318	3.266	3.017	11.40
83) S	4-Bromofluorob...	0.959	0.968	0.945	0.942	0.909	0.995	1.006	1.023	0.968	3.88
84) TP	Bromobenzene		0.597	0.668	0.662	0.628	0.667	0.686	0.680	0.655	4.85
85) TP	n-Propylbenzene		2.697	3.572	3.602	3.449	3.720	3.866	3.768	3.525	11.06
86) TP	1,4-Dichlorobu...		0.498	0.533	0.542	0.526	0.584	0.618	0.626	0.561	8.72
87) TP	1,1,2,2-Tetrac...	0.388	0.480	0.499	0.481	0.452	0.482	0.497	0.491	0.471	7.80
88) TP	4-Ethyltoluene		2.192	2.907	2.947	2.875	3.050	3.161	3.105	2.891	11.26
89) TP	2-Chlorotoluene		1.776	2.118	2.060	2.005	2.146	2.262	2.213	2.083	7.72
90) TP	1,3,5-Trimethy...		1.938	2.416	2.431	2.352	2.502	2.588	2.537	2.395	9.04
91) TP	1,2,3-Trichlor...		0.385	0.390	0.383	0.361	0.386	0.395	0.384	0.383	2.74
92) TP	trans-1,4-Dich...			0.069	0.077	0.084	0.094	0.097	0.097	0.086	13.79
93) TP	4-Chlorotoluene		1.776	2.047	2.108	2.057	2.199	2.285	2.266	2.105	8.25
94) TP	tert-Butylbenzene		1.415	1.999	2.066	2.120	2.123	2.191	2.138	2.007	13.36
97) TP	1,2,4-Trimethy...		1.727	2.271	2.341	2.426	2.434	2.510	2.464	2.310	11.66
98) TP	sec-Butylbenzene		2.143	2.997	3.023	3.103	3.122	3.238	3.158	2.969	12.57
99) TP	p-Isopropyltol...		1.678	2.359	2.490	2.591	2.582	2.677	2.608	2.426	14.24
100) TP	1,3-Dichlorobe...		1.042	1.295	1.262	1.295	1.285	1.308	1.282	1.253	7.50
101) TP	1,4-Dichlorobe...		1.286	1.339	1.263	1.288	1.288	1.301	1.280	1.292	1.83
102) TP	p-Diethylbenzene		0.951	1.299	1.392	1.470	1.474	1.530	1.489	1.372	14.63
103) TP	n-Butylbenzene		1.353	1.963	2.035	2.133	2.155	2.254	2.211	2.015	15.30
104) TP	1,2-Dichlorobe...		0.967	1.110	1.103	1.132	1.119	1.138	1.117	1.098	5.39
105) TP	1,2,4,5-Tetram...		1.277	1.637	1.842	2.003	2.050	2.111	2.073	1.856	16.37
106) TP	1,2-Dibromo-3-...			0.047	0.050	0.055	0.057	0.059	0.059	0.054	9.13
107) TP	1,3,5-Trichlor...		0.562	0.667	0.653	0.686	0.693	0.712	0.700	0.668	7.58
108) TP	Hexachlorobuta...		0.173	0.240	0.226	0.242	0.250	0.264	0.267	0.237	13.40

Method Path : K:\VOA101\2025\250503BICAL\
Method File : V101_250503B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon May 05 12:04:15 2025
Response Via : Initial Calibration

Calibration Files
L11 =V01250503B03.D L1 =V01250503B05.D L2 =V01250503B08.D L3 =V01250503B09.D L4 =V01250503B10.D
L6 =V01250503B11.D L8 =V01250503B12.D L10 =V01250503B13.D

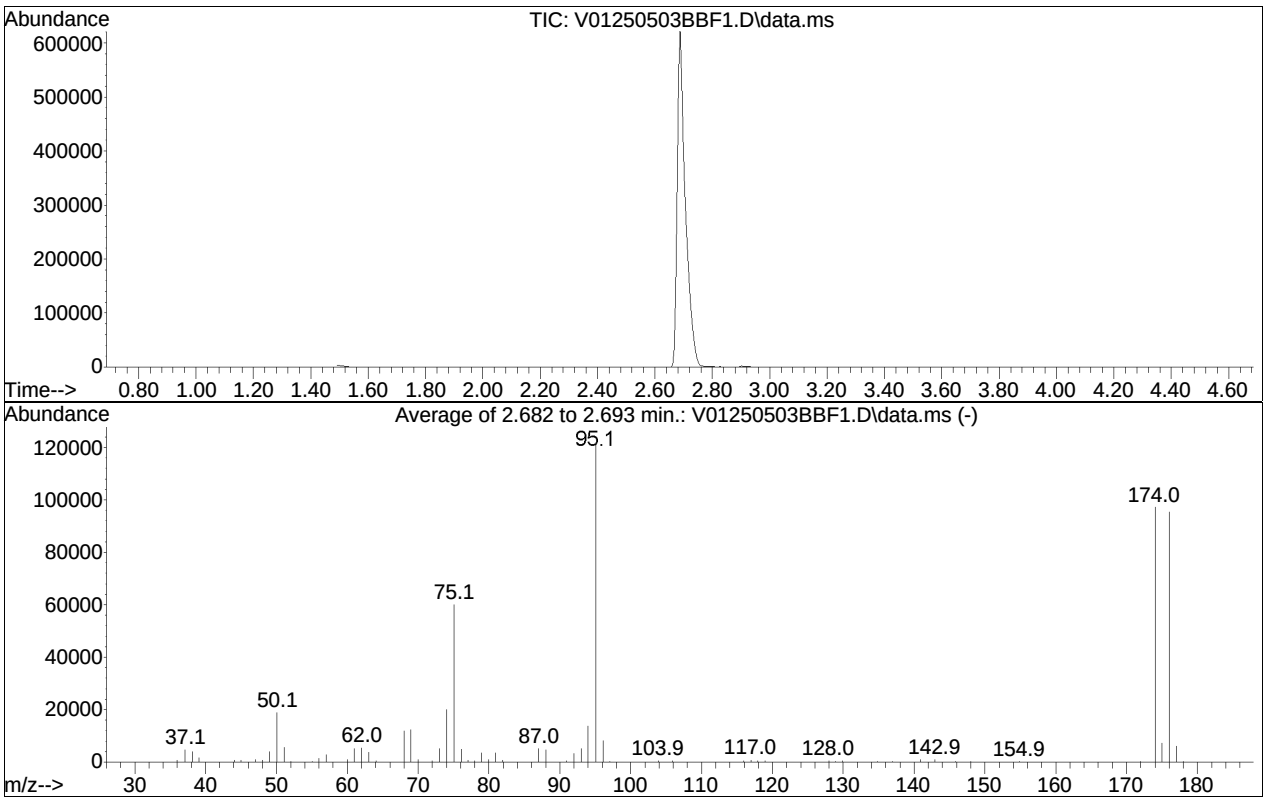
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
109)	TP 1,2,4-Trichlor...	0.406	0.494	0.512	0.542	0.548	0.568	0.565	0.519	10.94	
110)	TP Naphthalene	0.665	0.862	0.941	1.023	1.042	1.085	1.079	0.957	15.83	
111)	TP 1,2,3-Trichlor...	0.315	0.384	0.376	0.390	0.396	0.410	0.409	0.383#	8.44	

(#) = Out of Range

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503BBF1.D
Acq On : 3 May 2025 4:54 am
Operator : VOA101:TMS
Sample : WG2062144-1
Misc : WG2062144,ICAL
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun May 04 10:21:07 2025



Spectrum Information: Average of 2.682 to 2.693 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	18920	PASS
75	95	30	60	49.4	60163	PASS
95	95	100	100	100.0	121848	PASS
96	95	5	9	6.7	8158	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.9	97317	PASS
175	174	5	9	7.4	7212	PASS
176	174	95	101	98.1	95501	PASS
177	176	5	9	6.5	6236	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B03.D
Acq On : 3 May 2025 6:07 am
Operator : VOA101:JIC
Sample : I8260STD0.19PPB
Misc : WG2062144,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 10:18:34 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 10:18:01 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.865	96	444350	10.000 ug/L	0.00
Standard Area 1 = 428841			Recovery = 103.62%		
59) Chlorobenzene-d5	9.379	117	339055	10.000 ug/L	0.00
Standard Area 1 = 325723			Recovery = 104.09%		
79) 1,4-Dichlorobenzene-d4	12.117	152	167958	10.000 ug/L	0.00
Standard Area 1 = 172502			Recovery = 97.37%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.070	113	117761	10.075 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.75%		
43) 1,2-Dichloroethane-d4	5.584	65	115471	9.929 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.29%		
60) Toluene-d8	7.541	98	457718	9.819 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.19%		
83) 4-Bromofluorobenzene	10.896	95	161125	9.905 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.05%		
Target Compounds					Qvalue
4) Vinyl chloride	1.852	62	1856	0.159 ug/L	69
34) Carbon tetrachloride	5.023	117	2401M1	0.169 ug/L	
41) Benzene	5.455	78	7817M1	0.179 ug/L	
44) 1,2-Dichloroethane	5.653	62	1994M1	0.179 ug/L	
48) Trichloroethene	6.058	95	1922M1	0.166 ug/L	
58) cis-1,3-Dichloropropene	7.368	75	2133M1	0.139 ug/L	
63) Tetrachloroethene	8.068	166	1889M1	0.168 ug/L	
65) trans-1,3-Dichloropropene	8.113	75	1366M1	0.238 ug/L	
87) 1,1,2,2-Tetrachloroethane	11.139	83	1238M1	0.156 ug/L	

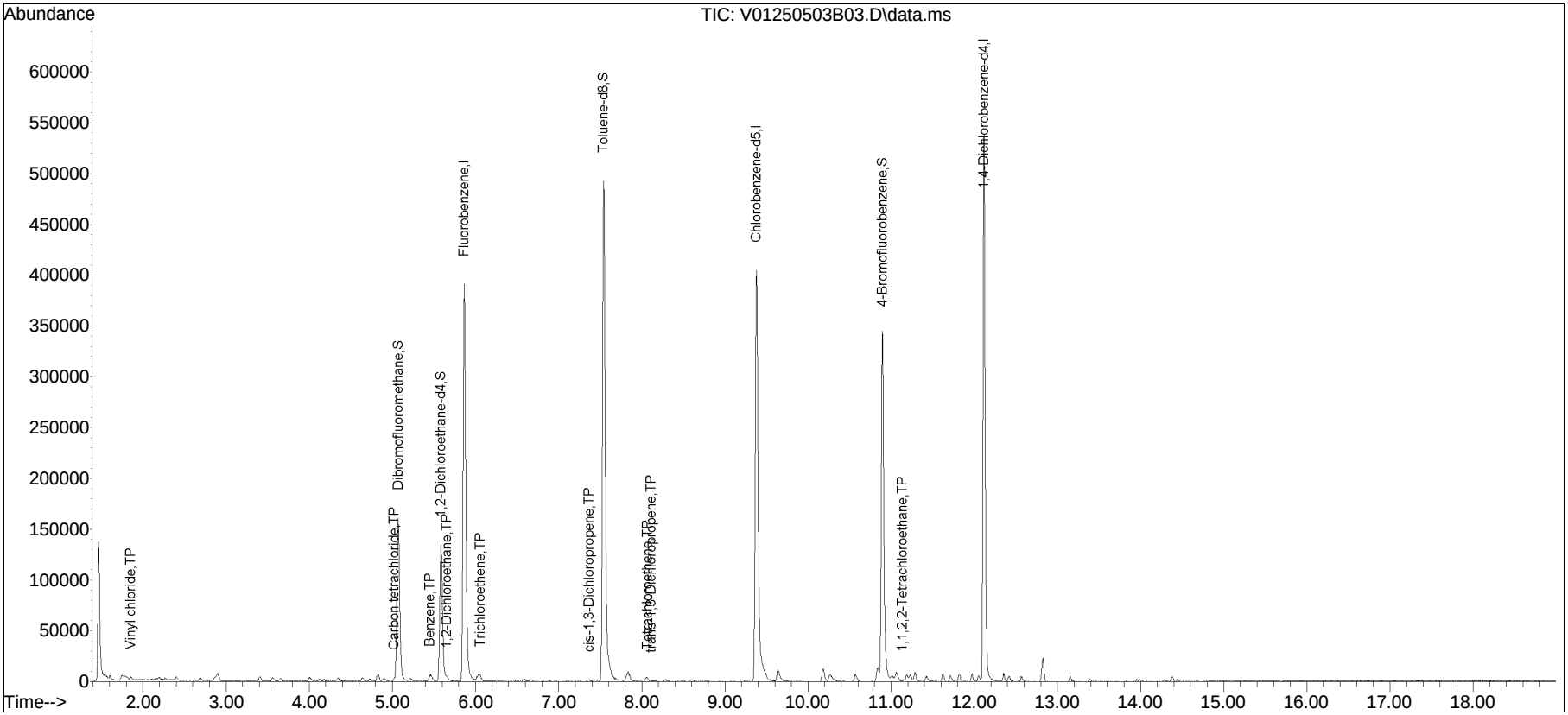
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B03.D
Acq On : 3 May 2025 6:07 am
Operator : VOA101:JIC
Sample : I8260STD0.19PPB
Misc : WG2062144,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 10:18:34 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 10:18:01 2025
Response via : Initial Calibration

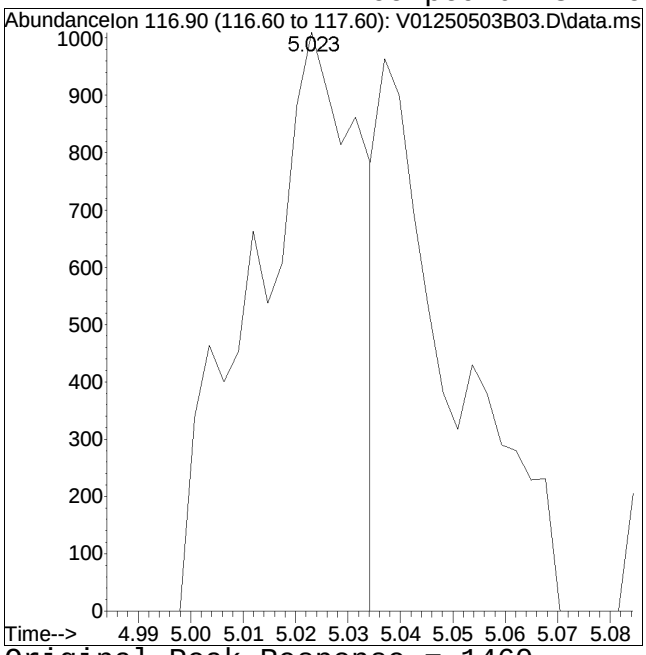
Sub List : 8260-L11_NJnew - L11 new NJCAL\V01250503B09.D•

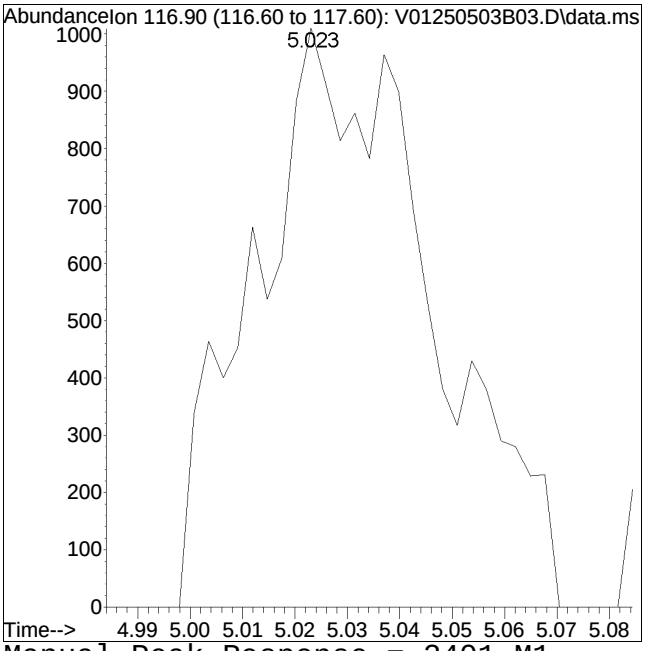


Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B03.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 6:07 am Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 5/4/2025 10:18 am

Compound #34: Carbon tetrachloride





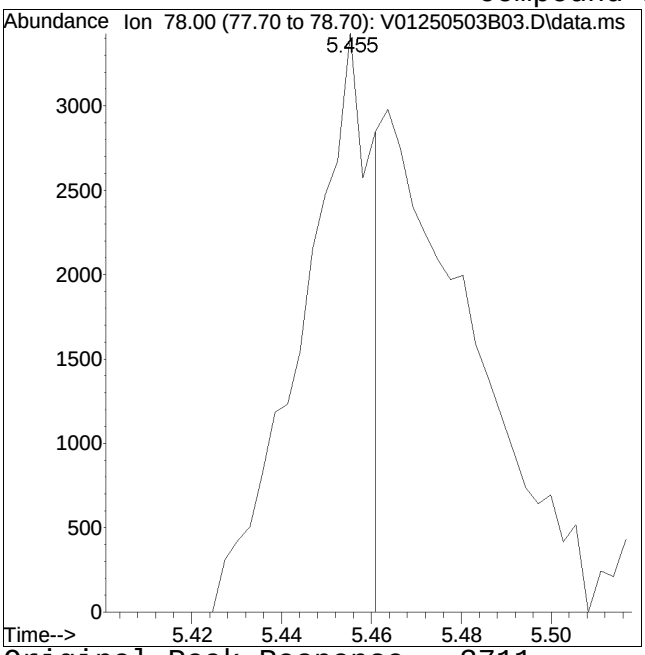
Original Peak Response = 1460 Manual Peak Response = 2401 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

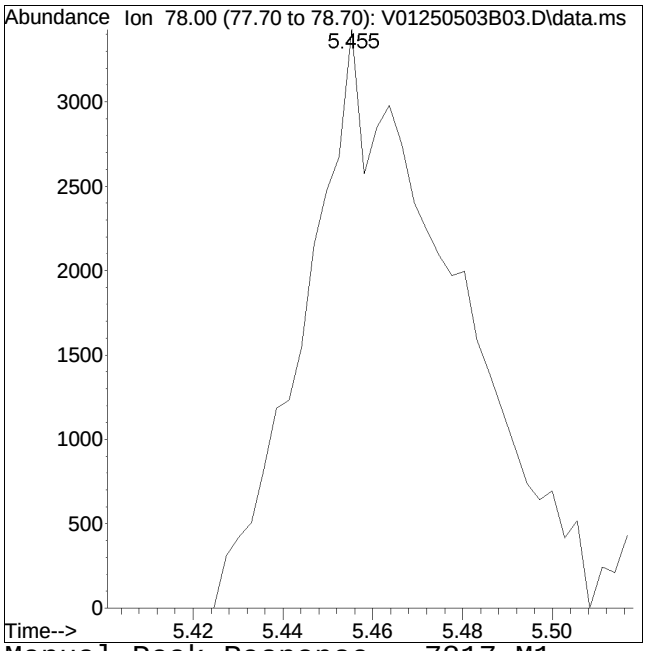
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B03.D
Date Inj'd : 5/3/2025 6:07 am
Sample : I8260STD0.19PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:18 am

Compound #41: Benzene



Original Peak Response = 3711



Manual Peak Response = 7817 M1

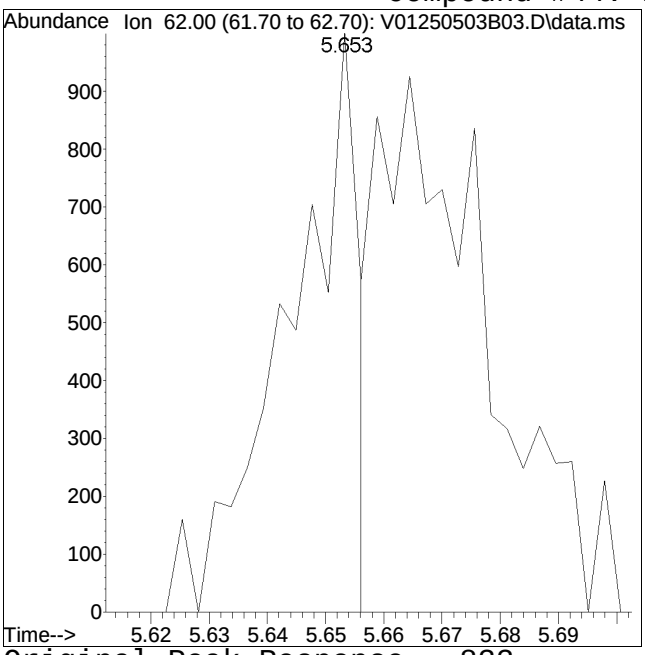
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

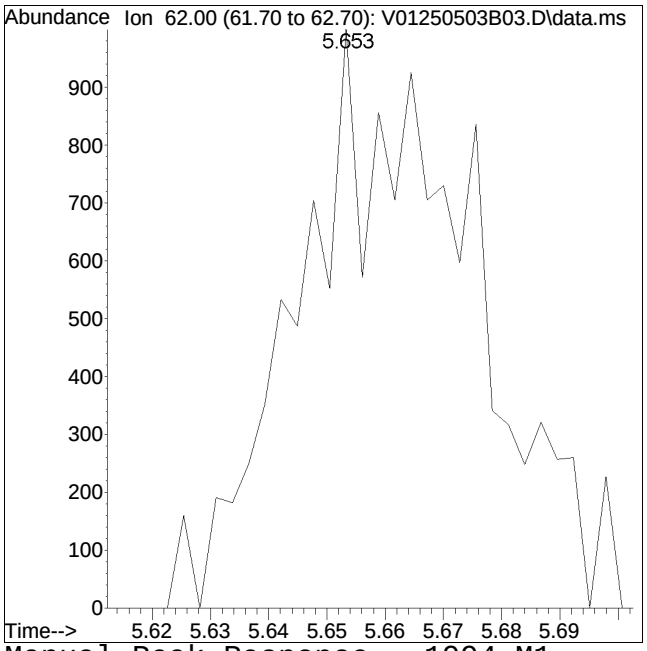
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B03.D
Date Inj'd : 5/3/2025 6:07 am
Sample : I8260STD0.19PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:18 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 833



Manual Peak Response = 1994 M1

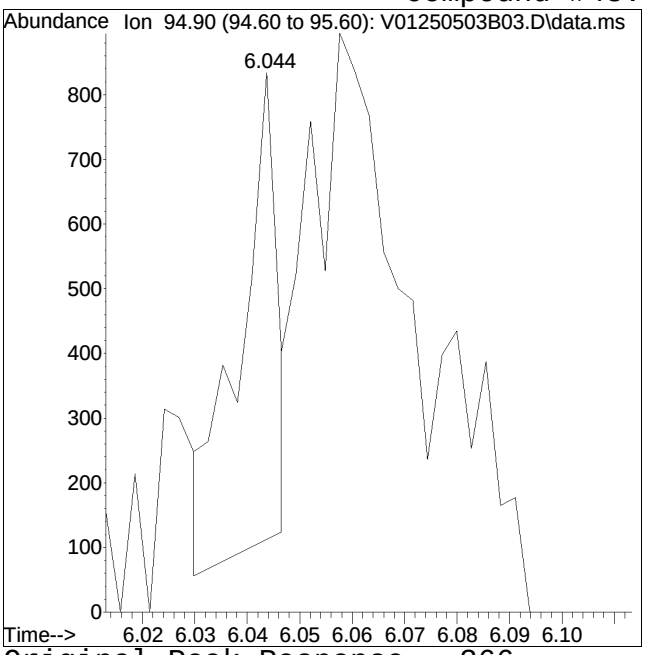
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

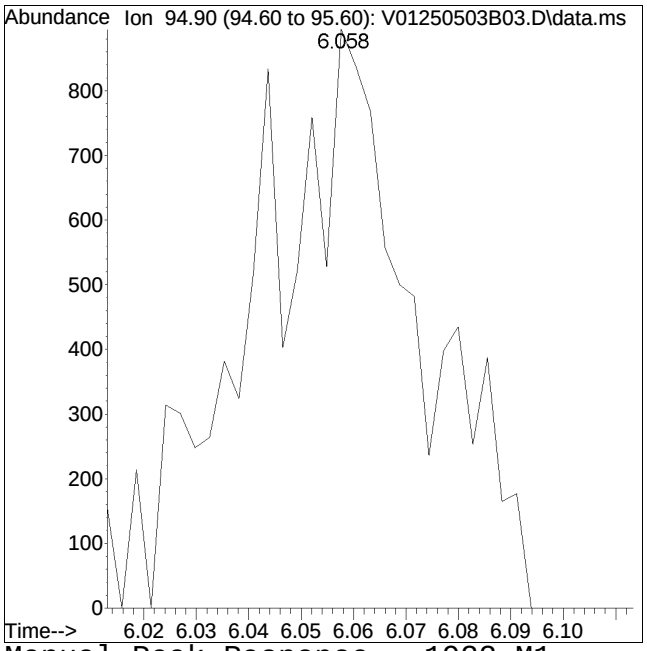
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B03.D
Date Inj'd : 5/3/2025 6:07 am
Sample : I8260STD0.19PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:18 am

Compound #48: Trichloroethene





Original Peak Response = 366 Manual Peak Response = 1922 M1

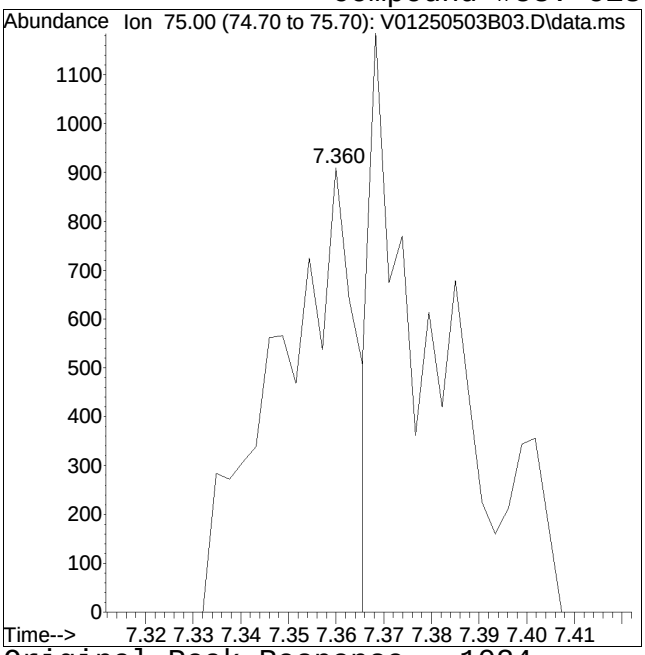
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

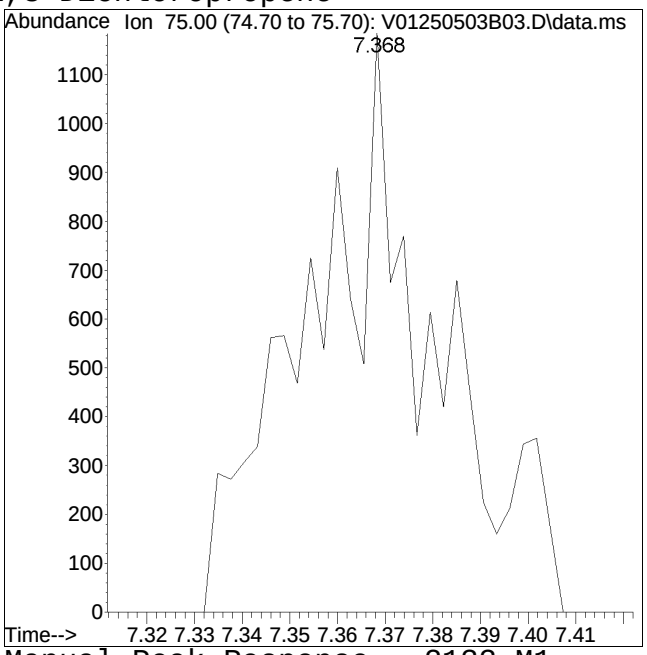
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B03.D
Date Inj'd : 5/3/2025 6:07 am
Sample : I8260STD0.19PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:18 am

Compound #58: cis-1,3-Dichloropropene



Original Peak Response = 1024



Manual Peak Response = 2133 M1

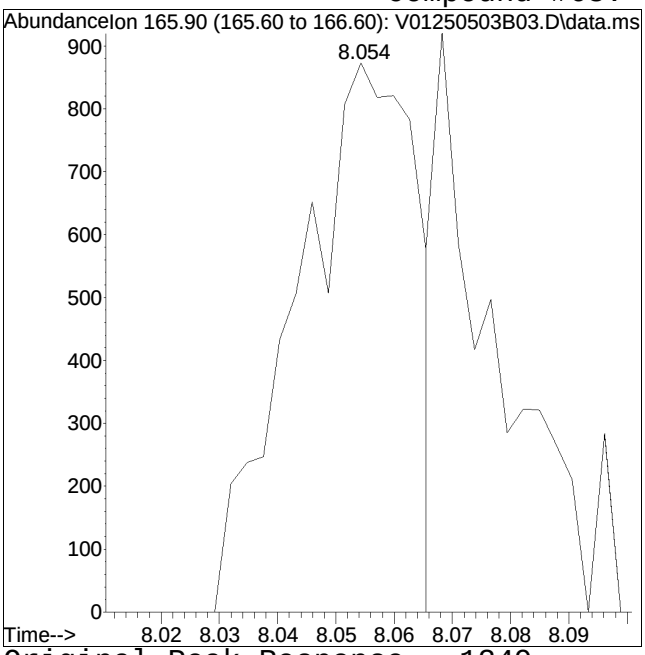
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

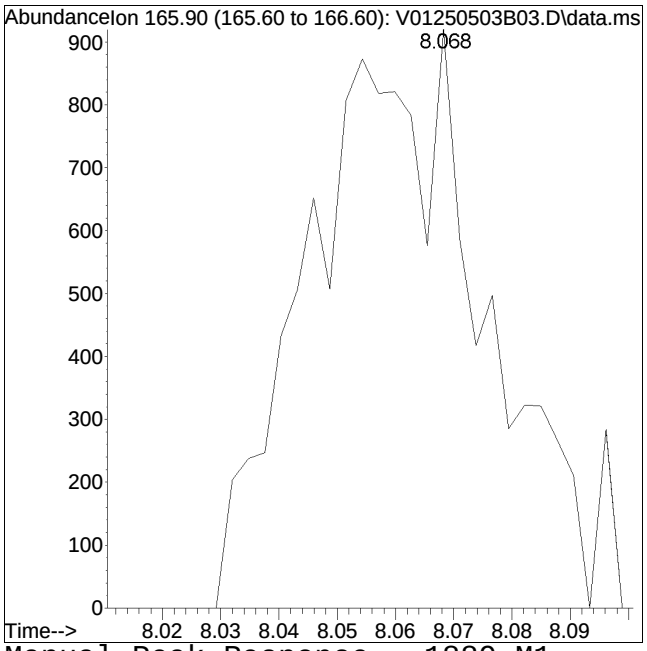
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B03.D
Date Inj'd : 5/3/2025 6:07 am
Sample : I8260STD0.19PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:18 am

Compound #63: Tetrachloroethene



Original Peak Response = 1249



Manual Peak Response = 1889 M1

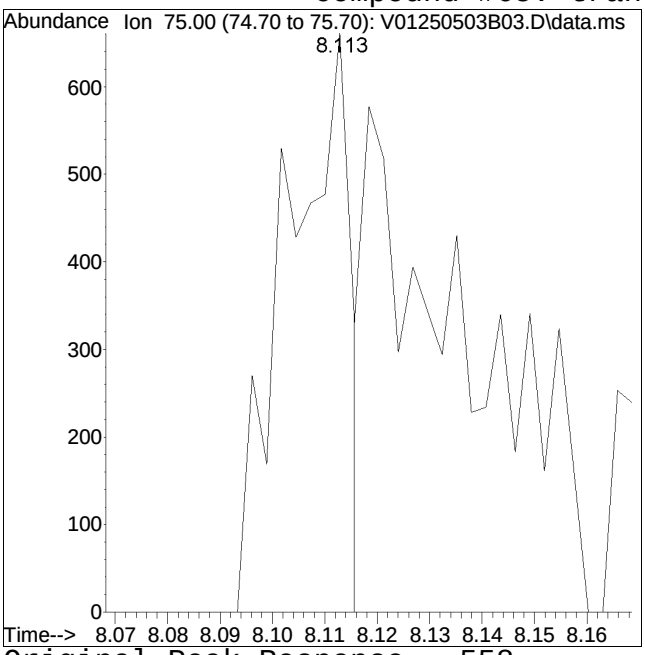
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

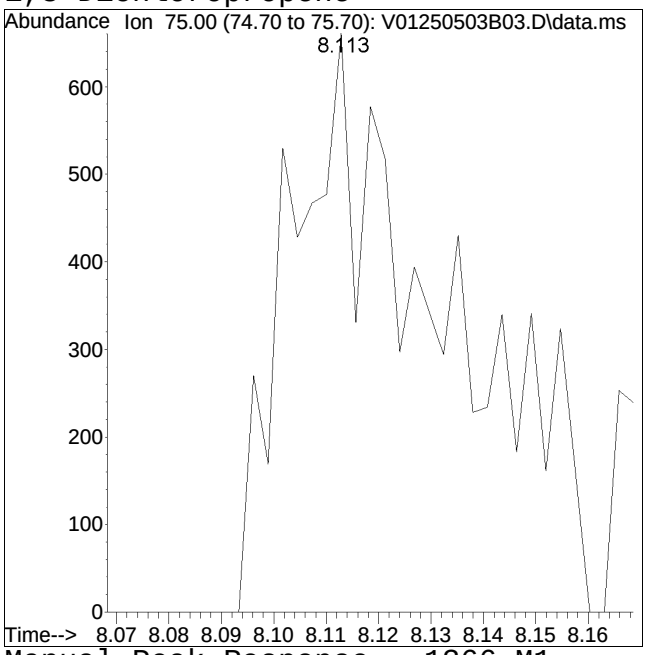
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B03.D
Date Inj'd : 5/3/2025 6:07 am
Sample : I8260STD0.19PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:18 am

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 558



Manual Peak Response = 1366 M1

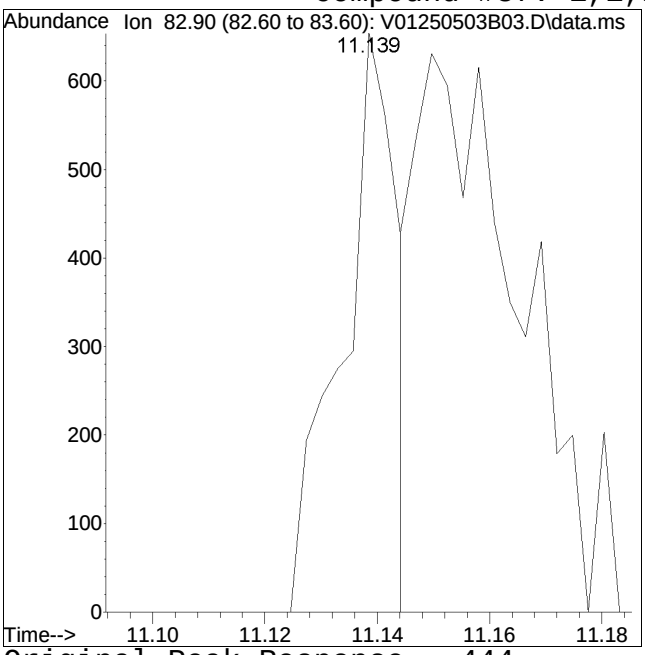
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

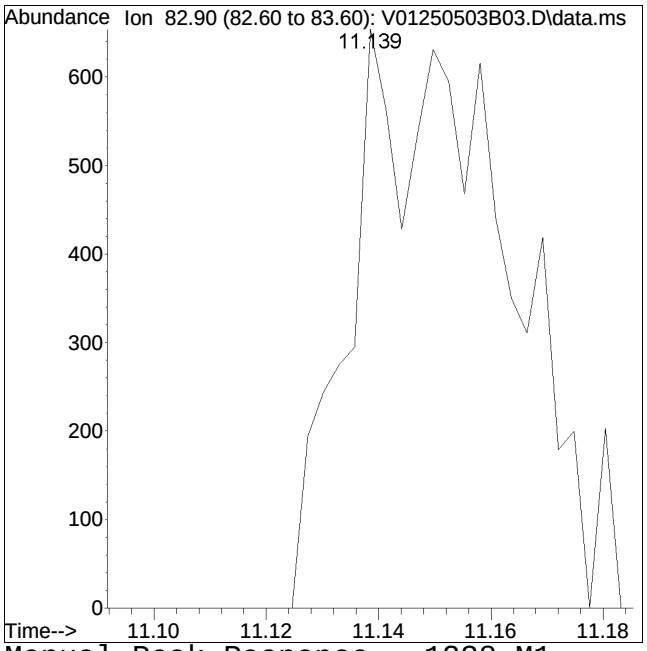
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B03.D
Date Inj'd : 5/3/2025 6:07 am
Sample : I8260STD0.19PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:18 am

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



Original Peak Response = 444



Manual Peak Response = 1238 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B05.D
Acq On : 3 May 2025 6:59 am
Operator : VOA101:JIC
Sample : I8260STD0.5PPB
Misc : WG2062144,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 09:01:55 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.868	96	429341	10.000	ug/L	0.00
Standard Area 1 = 428841			Recovery = 100.12%			
59) Chlorobenzene-d5	9.382	117	322576	10.000	ug/L	0.00
Standard Area 1 = 325723			Recovery = 99.03%			
79) 1,4-Dichlorobenzene-d4	12.115	152	163855	10.000	ug/L	0.00
Standard Area 1 = 172502			Recovery = 94.99%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.070	113	114119	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
43) 1,2-Dichloroethane-d4	5.584	65	112857	9.969	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.69%			
60) Toluene-d8	7.544	98	446438	9.912	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.12%			
83) 4-Bromofluorobenzene	10.896	95	158653	10.273	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.73%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.604	85	4251	0.310	ug/L #	92
3) Chloromethane	1.783	50	3024	0.432	ug/L	78
4) Vinyl chloride	1.858	62	3745	0.337	ug/L	93
5) Bromomethane	2.154	94	1101	0.422	ug/L	100
6) Chloroethane	2.268	64	2696M6	0.417	ug/L	
7) Trichlorofluoromethane	2.402	101	6011	0.379	ug/L	98
8) Ethyl ether	2.689	74	2356M1	0.516	ug/L	
10) 1,1-Dichloroethene	2.870	96	3326	0.343	ug/L #	68
11) Carbon disulfide	2.898	76	12513	0.401	ug/L	97
12) Freon-113	2.906	101	3347	0.324	ug/L #	58
14) Acrolein	0.000		0	N.D.	d	
15) Methylene chloride	3.408	84	5882	0.560	ug/L #	56
17) Acetone	3.478	43	1202M1	1.132	ug/L	
18) trans-1,2-Dichloroethene	3.562	96	4041	0.389	ug/L #	70
19) Methyl acetate	3.587	43	1339M1	0.531	ug/L	
20) Methyl tert-butyl ether	3.657	73	9934	0.474	ug/L #	57
21) tert-Butyl alcohol	3.754	59	386M1	1.357	ug/L	
22) Diisopropyl ether	4.008	45	9607	0.454	ug/L #	45
23) 1,1-Dichloroethane	4.128	63	7367	0.410	ug/L	89
24) Halothane	4.178	117	3063	0.386	ug/L #	59
25) Acrylonitrile	0.000		0	N.D.	d	

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B05.D
Acq On : 3 May 2025 6:59 am
Operator : VOA101:JIC
Sample : I8260STD0.5PPB
Misc : WG2062144,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 09:01:55 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.334	59	9828M1	0.459	ug/L		
27) Vinyl acetate	4.371	43	4282M1	0.433	ug/L		
28) cis-1,2-Dichloroethene	4.638	96	4842	0.421	ug/L	#	40
29) 2,2-Dichloropropane	4.725	77	5249M1	0.382	ug/L		
30) Bromochloromethane	4.831	128	2353M1	0.467	ug/L		
31) Cyclohexane	4.819	56	5241M1	0.344	ug/L		
32) Chloroform	4.892	83	8563	0.463	ug/L	#	83
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	5.026	117	5072	0.348	ug/L	#	92
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	5.084	97	5976M1	0.366	ug/L		
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.227	75	4918M1	0.348	ug/L		
41) Benzene	5.458	78	18149	0.422	ug/L	#	71
42) tert-Amyl methyl ether	5.561	73	9297M1	0.447	ug/L		
44) 1,2-Dichloroethane	5.653	62	5386M1	0.491	ug/L		
47) Methyl cyclohexane	6.038	83	6304M1	0.322	ug/L		
48) Trichloroethene	6.055	95	4640M1	0.409	ug/L		
50) Dibromomethane	6.487	93	2448M1	0.464	ug/L		
51) 1,2-Dichloropropane	6.579	63	4060M1	0.410	ug/L		
53) 2-Chloroethyl vinyl ether	0.000		0	N.D.			
54) Bromodichloromethane	6.671	83	5711M1	0.421	ug/L		
57) 1,4-Dioxane	6.880	88	3320	80.243	ug/L	#	31
58) cis-1,3-Dichloropropene	7.357	75	5926	0.394	ug/L	#	55
61) Toluene	7.605	92	10704	0.391	ug/L		90
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
63) Tetrachloroethene	8.057	166	4074M1	0.352	ug/L		
65) trans-1,3-Dichloropropene	8.104	75	4314M1	0.365	ug/L		
67) Ethyl methacrylate	0.000		0	N.D.	d		
68) 1,1,2-Trichloroethane	8.286	83	3098M1	0.471	ug/L		
69) Chlorodibromomethane	8.489	129	3624M1	0.406	ug/L		
70) 1,3-Dichloropropane	8.598	76	6588M1	0.497	ug/L		
71) 1,2-Dibromoethane	8.777	107	2834M1	0.403	ug/L		
72) 2-Hexanone	0.000		0	N.D.	d		
73) Chlorobenzene	9.404	112	13371M1	0.446	ug/L		
74) Ethylbenzene	9.443	91	20616	0.391	ug/L		95
75) 1,1,1,2-Tetrachloroethane	9.488	131	4366	0.438	ug/L	#	40
76) p/m Xylene	9.638	106	15299M1	0.754	ug/L		
77) o Xylene	10.179	106	14590	0.743	ug/L		97
78) Styrene	10.257	104	22346M1	0.709	ug/L		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B05.D
Acq On : 3 May 2025 6:59 am
Operator : VOA101:JIC
Sample : I8260STD0.5PPB
Misc : WG2062144,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 09:01:55 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.266	173	1543M1	0.362	ug/L		
82) Isopropylbenzene	10.572	105	18749M1	0.374	ug/L		
84) Bromobenzene	11.013	156	4890	0.451	ug/L		100
85) n-Propylbenzene	11.060	91	22099	0.374	ug/L		94
86) 1,4-Dichlorobutane	11.080	55	4078	0.459	ug/L	#	80
87) 1,1,2,2-Tetrachloroethane	11.150	83	3934	0.499	ug/L		94
88) 4-Ethyltoluene	11.189	105	17962	0.372	ug/L		96
89) 2-Chlorotoluene	11.231	91	14551	0.431	ug/L		96
90) 1,3,5-Trimethylbenzene	11.281	105	15877	0.399	ug/L		97
91) 1,2,3-Trichloropropane	11.284	75	3155M1	0.503	ug/L		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d		
93) 4-Chlorotoluene	11.417	91	14552M1	0.421	ug/L		
94) tert-Butylbenzene	11.621	119	11592	0.342	ug/L		96
97) 1,2,4-Trimethylbenzene	11.710	105	14145	0.369	ug/L		98
98) sec-Butylbenzene	11.819	105	17555M1	0.354	ug/L		
99) p-Isopropyltoluene	11.972	119	13744	0.337	ug/L	#	88
100) 1,3-Dichlorobenzene	12.050	146	8537	0.413	ug/L		98
101) 1,4-Dichlorobenzene	12.131	146	10537M3	0.509	ug/L		
102) p-Diethylbenzene	12.352	119	7788	0.342	ug/L		97
103) n-Butylbenzene	12.410	91	11088M1	0.333	ug/L		
104) 1,2-Dichlorobenzene	12.569	146	7920	0.438	ug/L	#	70
105) 1,2,4,5-Tetramethylben...	13.146	119	10465	0.347	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.353	155	188	0.230	ug/L	#	49
107) 1,3,5-Trichlorobenzene	13.386	180	4604	0.430	ug/L		92
108) Hexachlorobutadiene	13.955	225	1414	0.382	ug/L		96
109) 1,2,4-Trichlorobenzene	13.989	180	3324M1	0.396	ug/L		
110) Naphthalene	14.284	128	5447	0.353	ug/L		100
111) 1,2,3-Trichlorobenzene	14.443	180	2580	0.418	ug/L	#	48

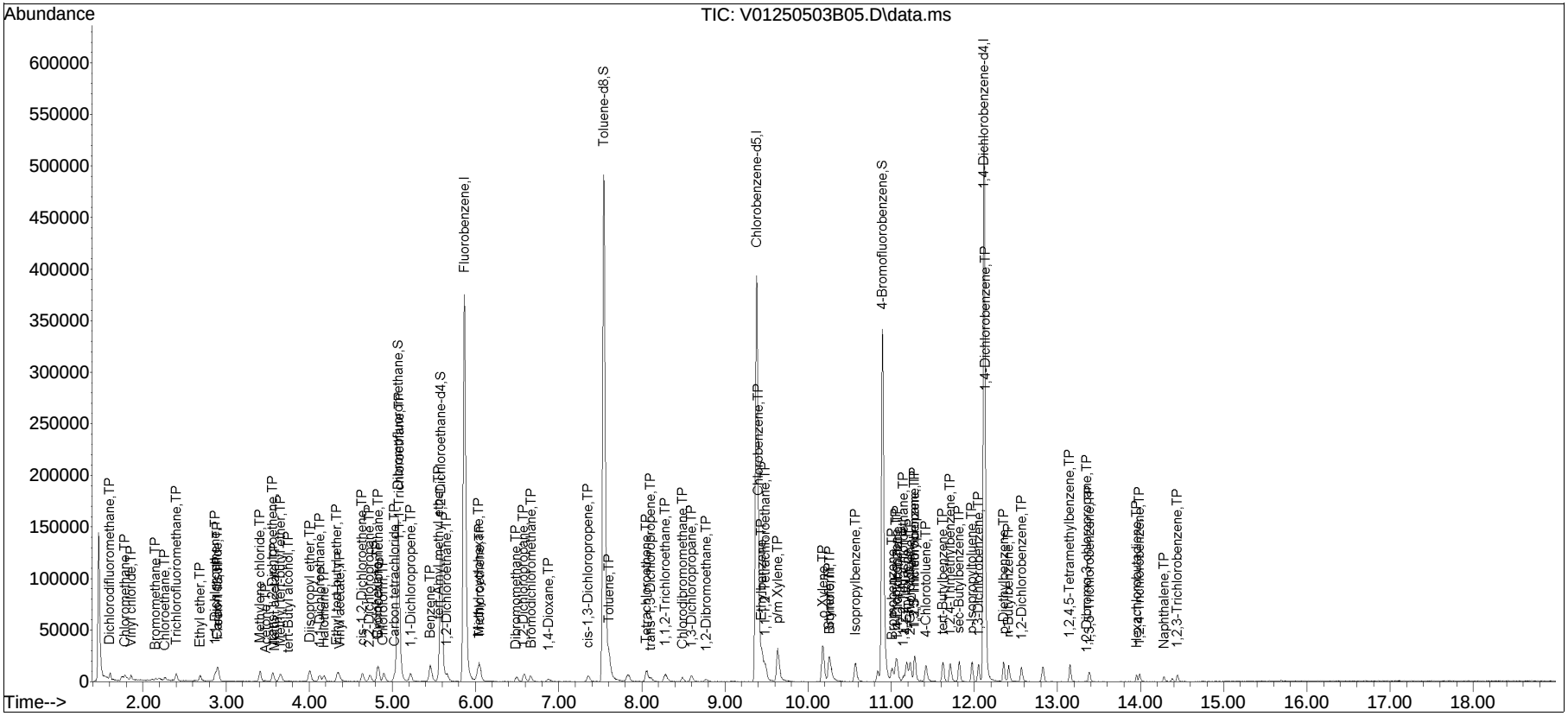
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B05.D
Acq On : 3 May 2025 6:59 am
Operator : VOA101:JIC
Sample : I8260STD0.5PPB
Misc : WG2062144,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 09:01:55 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

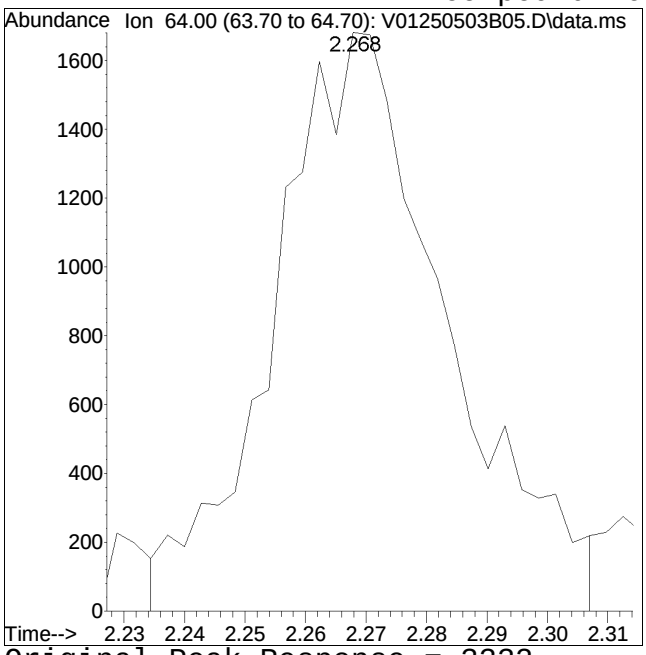


Manual Integration Report

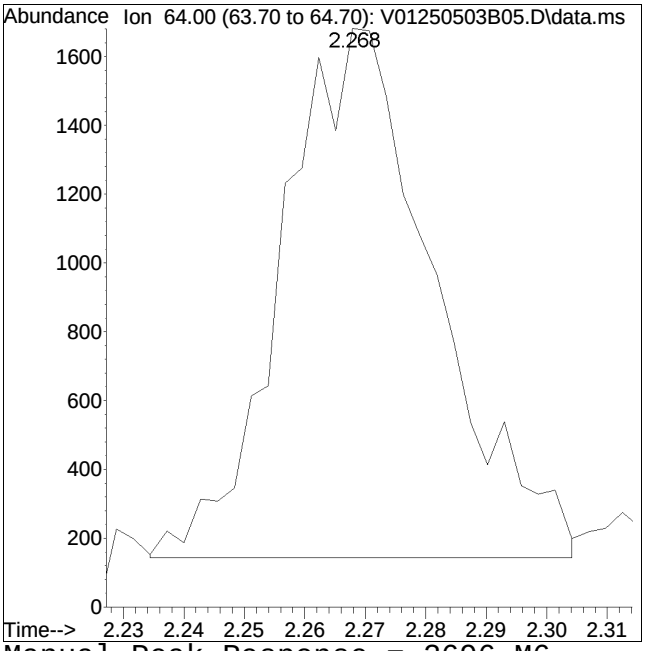
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #6: Chloroethane



Original Peak Response = 3332



Manual Peak Response = 2696 M6

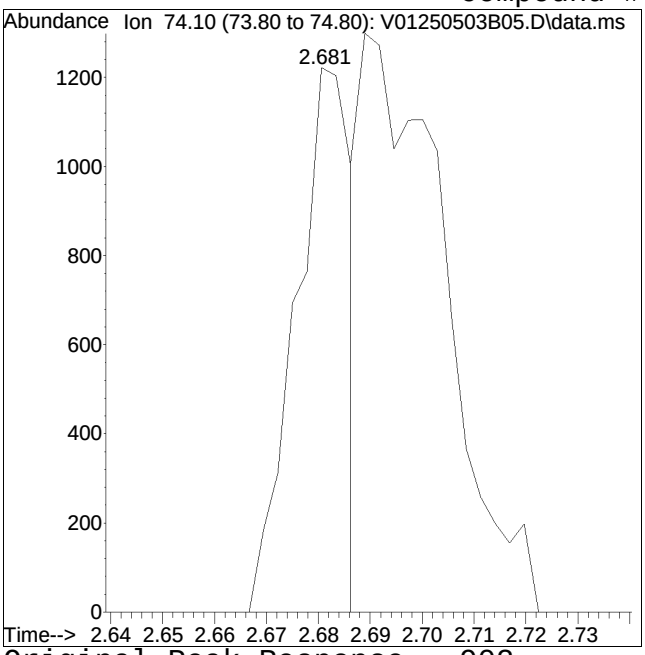
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

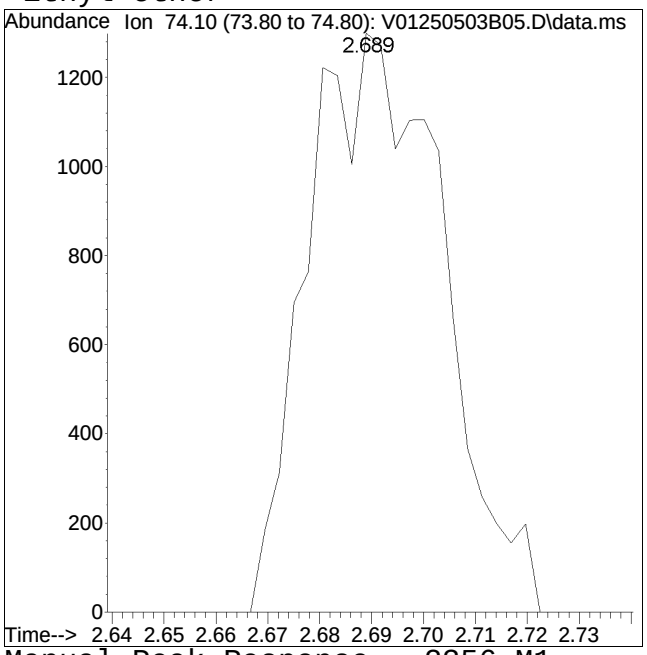
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #8: Ethyl ether





Original Peak Response = 902 Manual Peak Response = 2356 M1

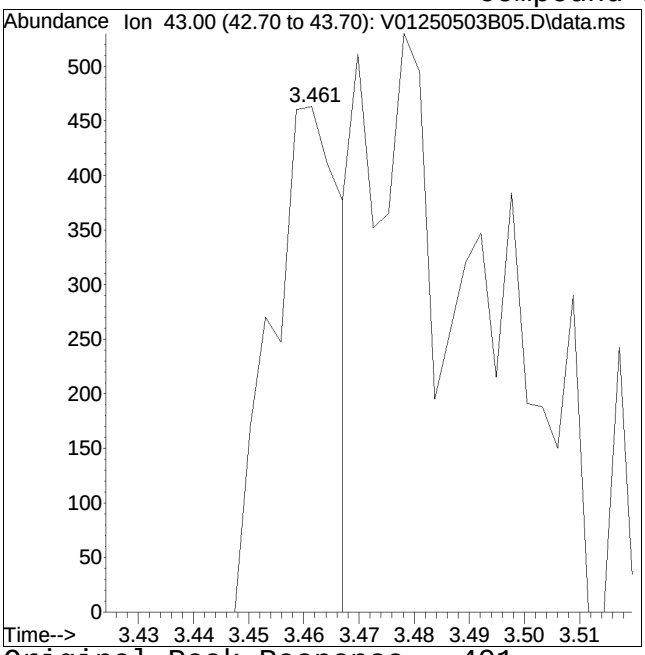
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

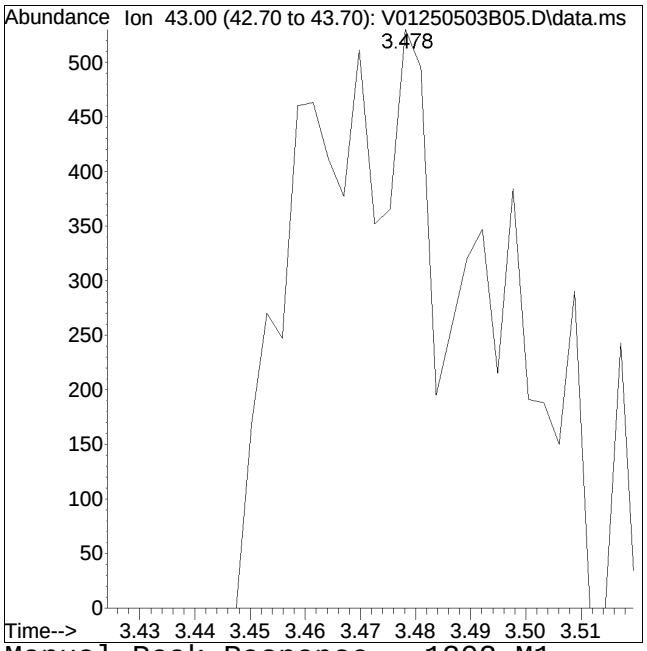
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #17: Acetone



Original Peak Response = 401



Manual Peak Response = 1202 M1

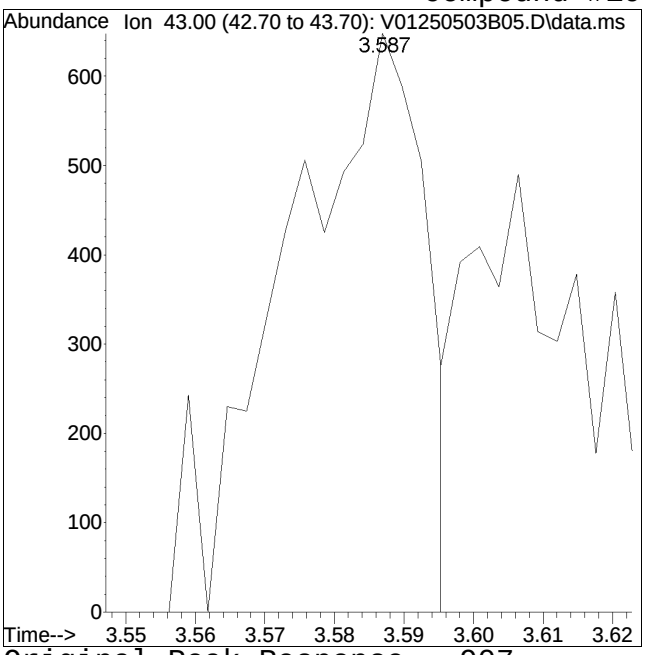
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

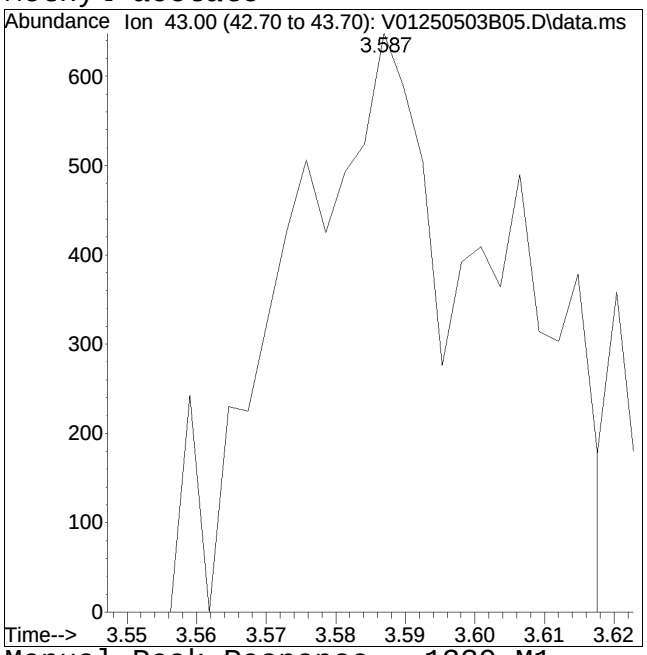
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #19: Methyl acetate



Original Peak Response = 907



Manual Peak Response = 1339 M1

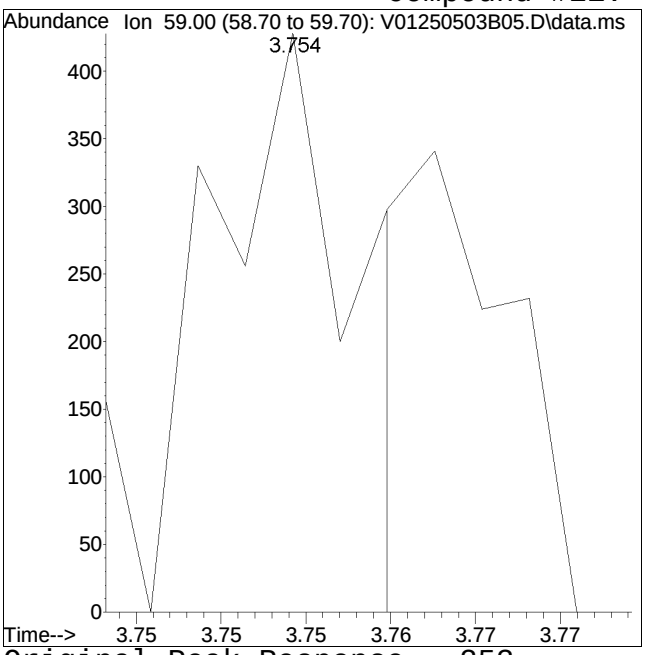
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

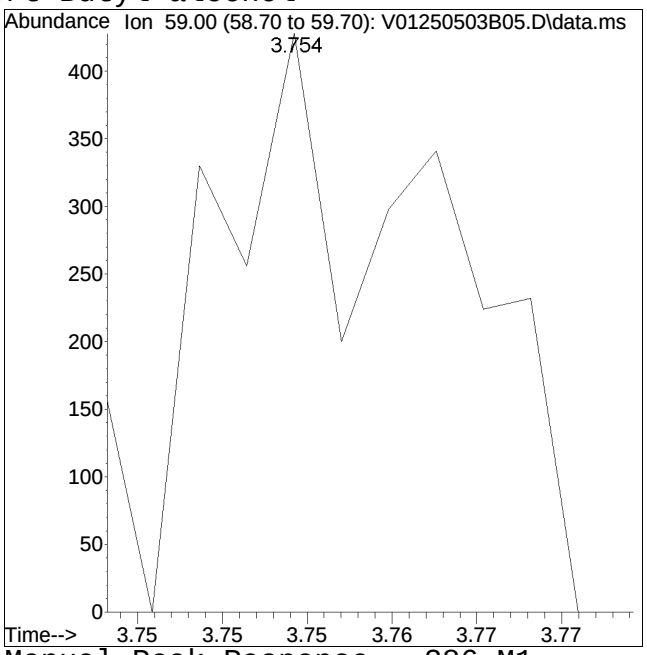
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #21: tert-Butyl alcohol





Original Peak Response = 253 Manual Peak Response = 386 M1

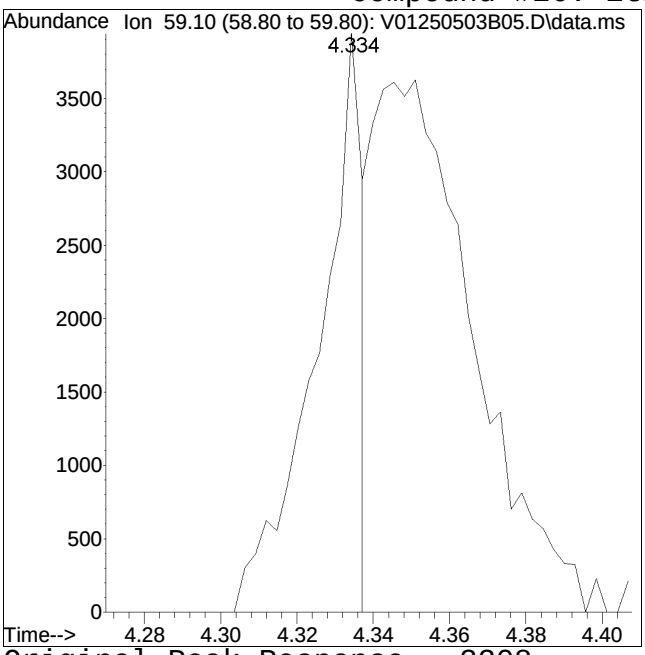
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

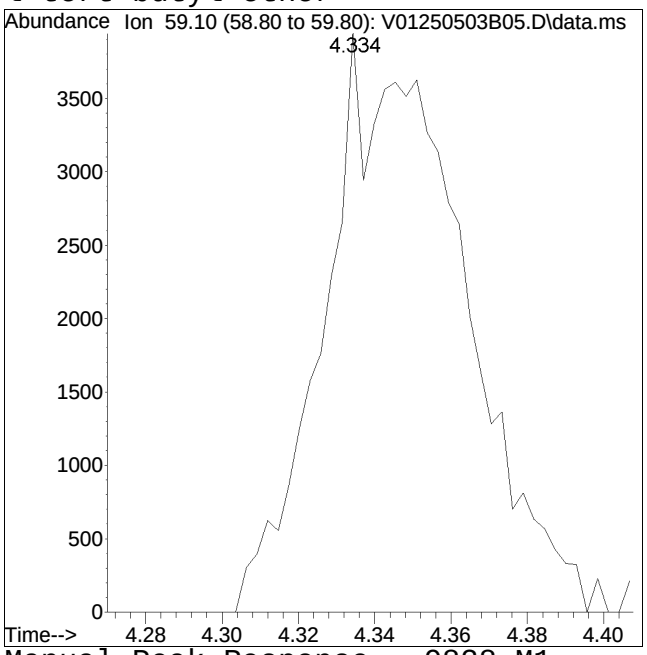
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 3208



Manual Peak Response = 9828 M1

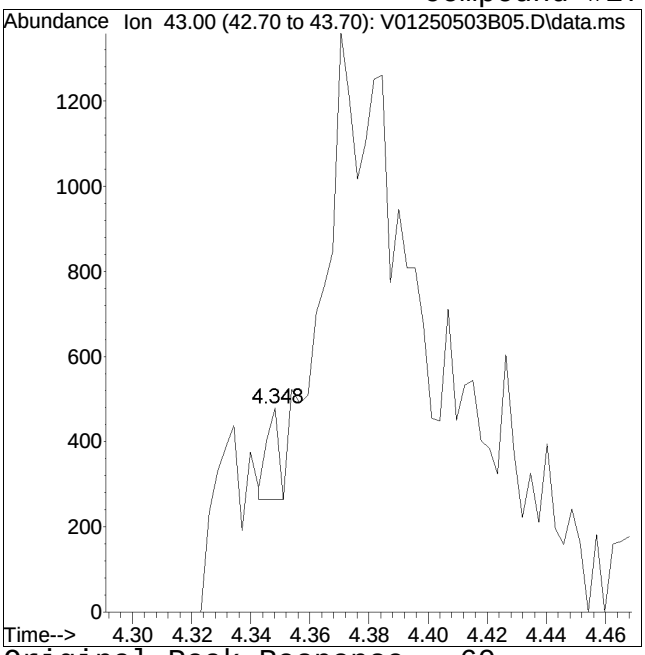
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

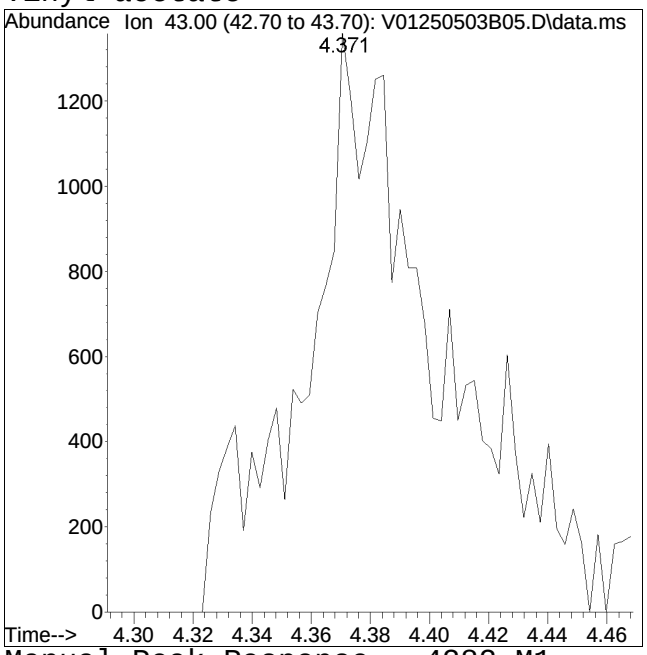
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #27: Vinyl acetate





Original Peak Response = 60 Manual Peak Response = 4282 M1

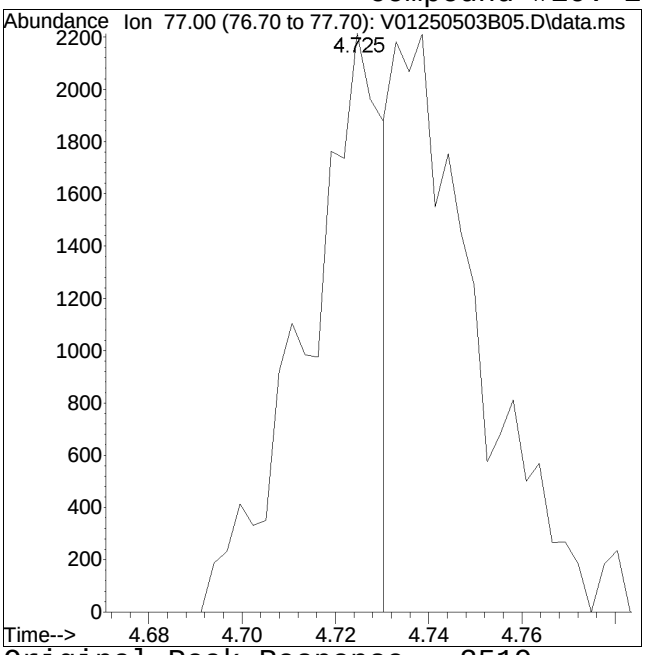
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

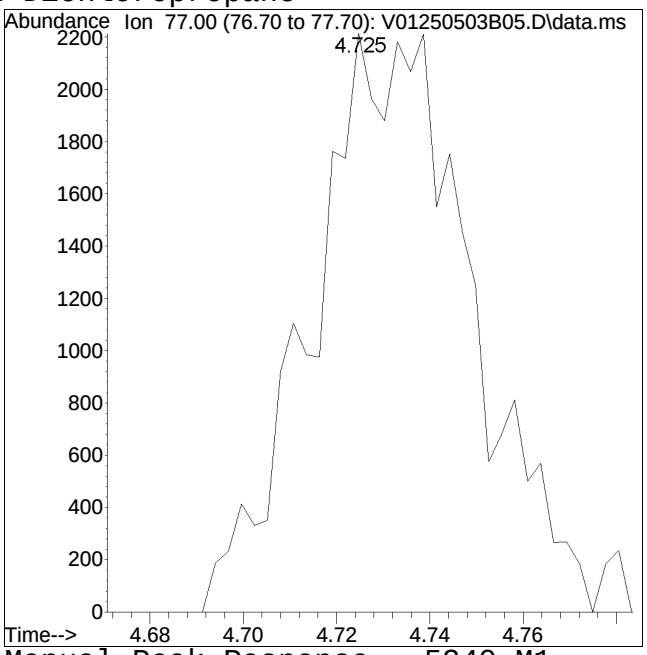
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 2519



Manual Peak Response = 5249 M1

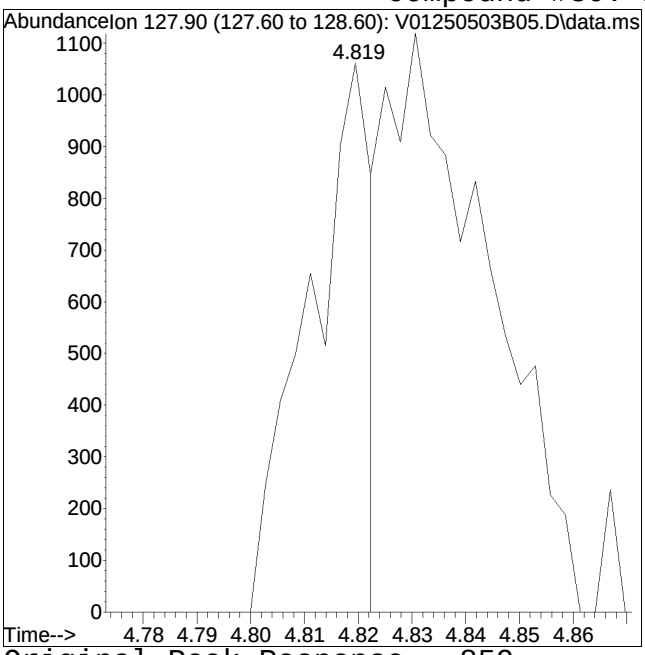
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

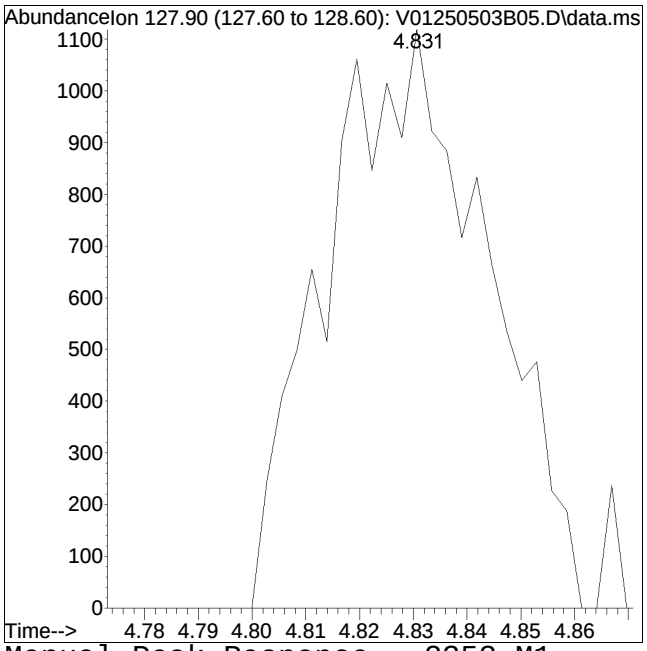
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #30: Bromochloromethane





Original Peak Response = 859 Manual Peak Response = 2353 M1

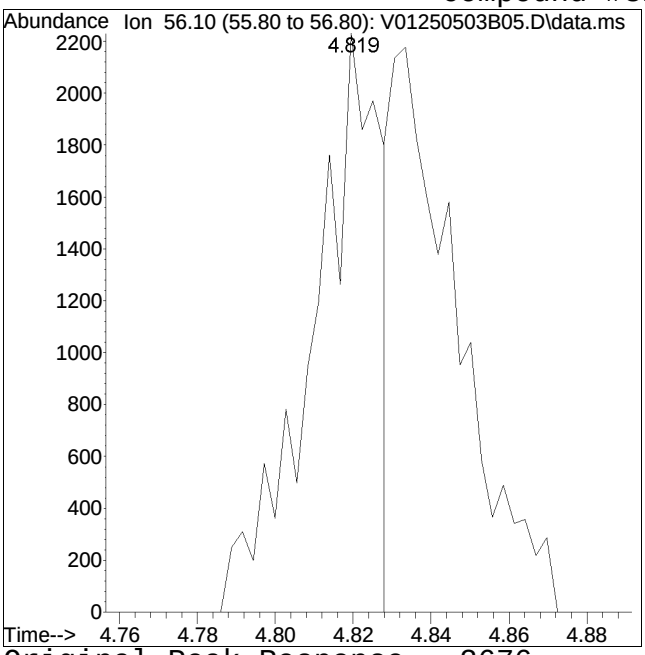
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

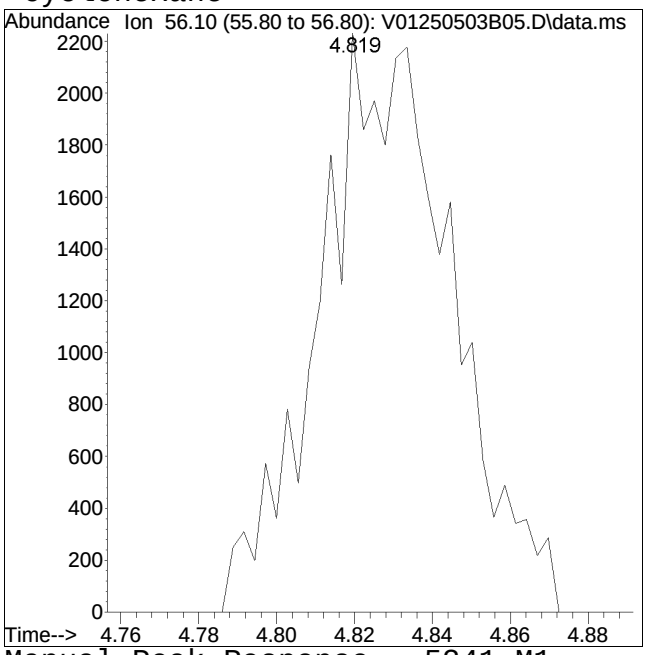
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Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #31: Cyclohexane



Original Peak Response = 2676



Manual Peak Response = 5241 M1

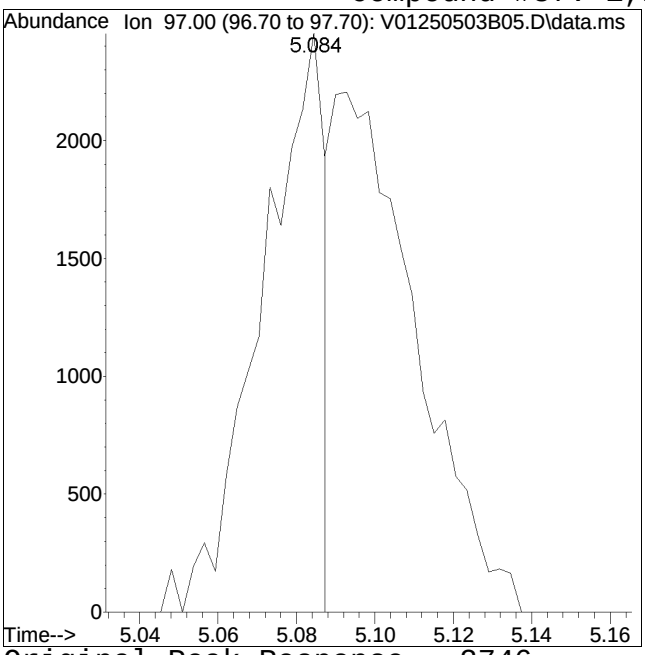
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

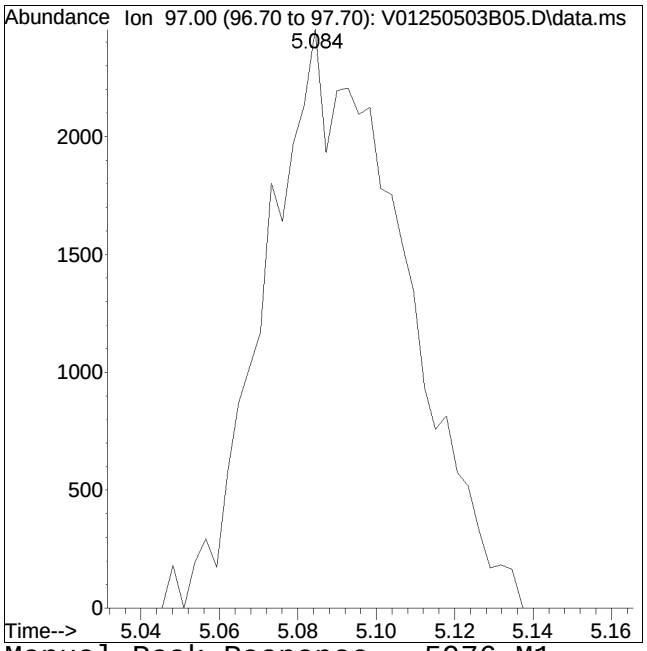
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Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 2746



Manual Peak Response = 5976 M1

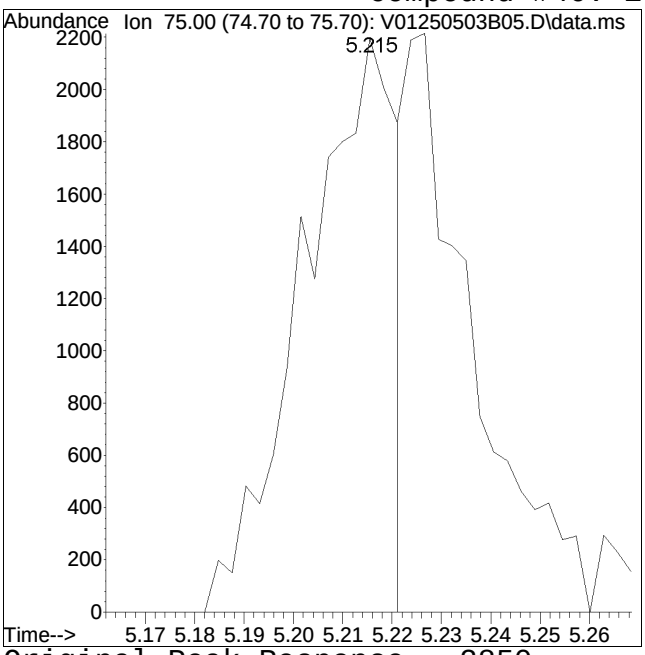
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

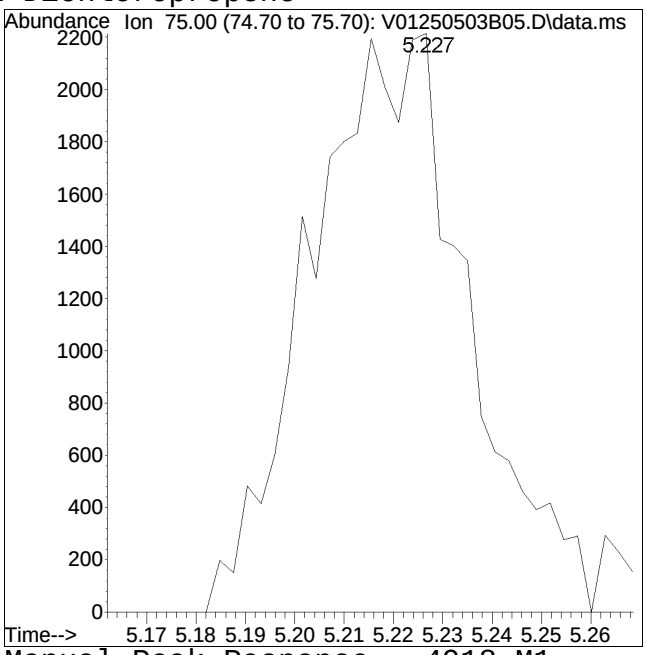
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 2850



Manual Peak Response = 4918 M1

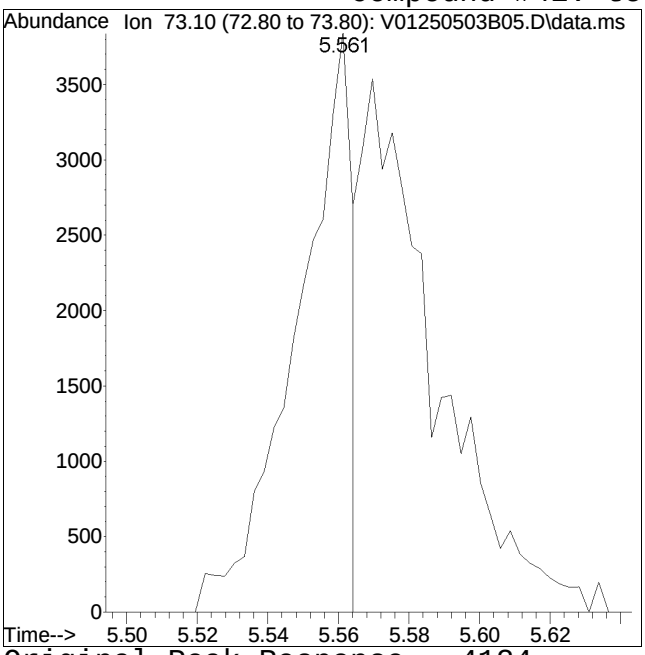
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

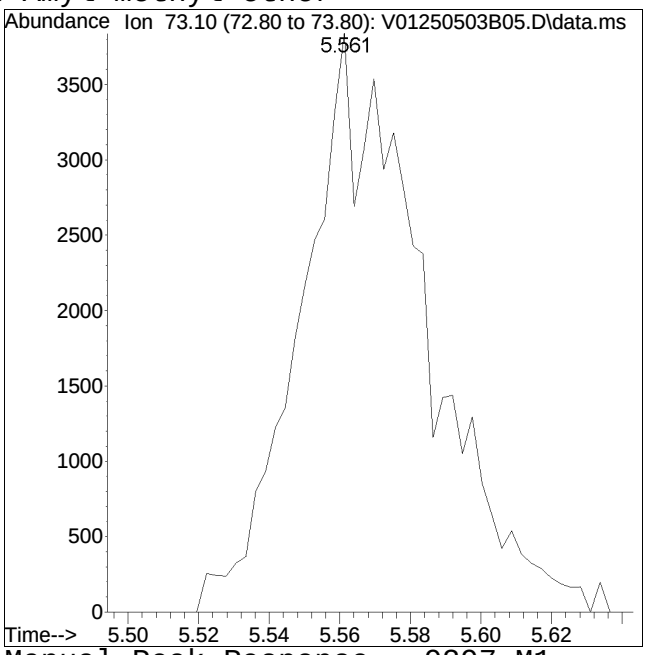
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 4124



Manual Peak Response = 9297 M1

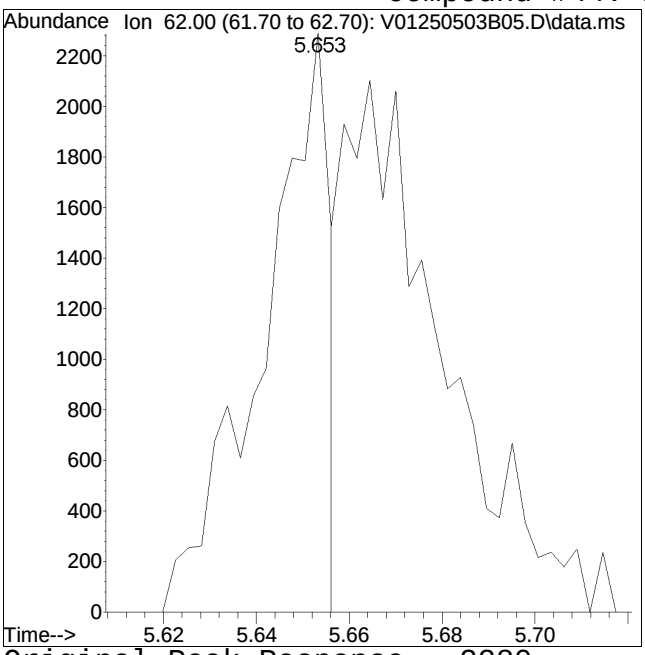
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

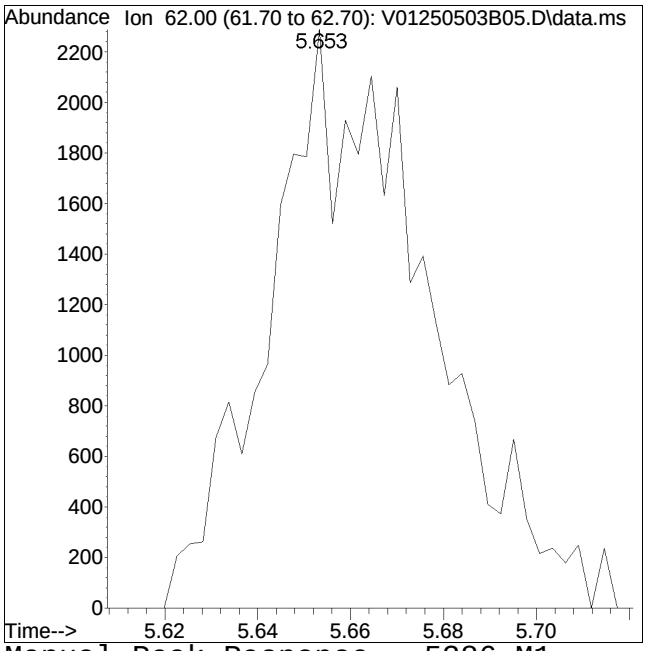
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #44: 1,2-Dichloroethane





Original Peak Response = 2280 Manual Peak Response = 5386 M1

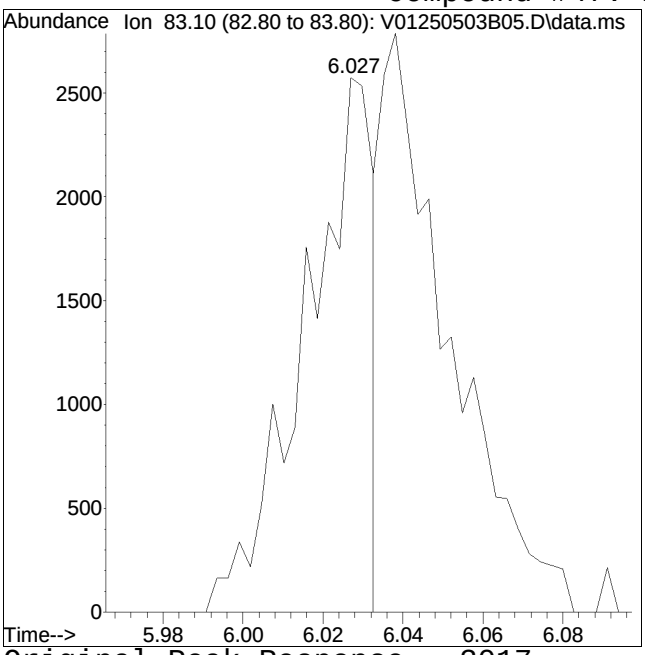
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

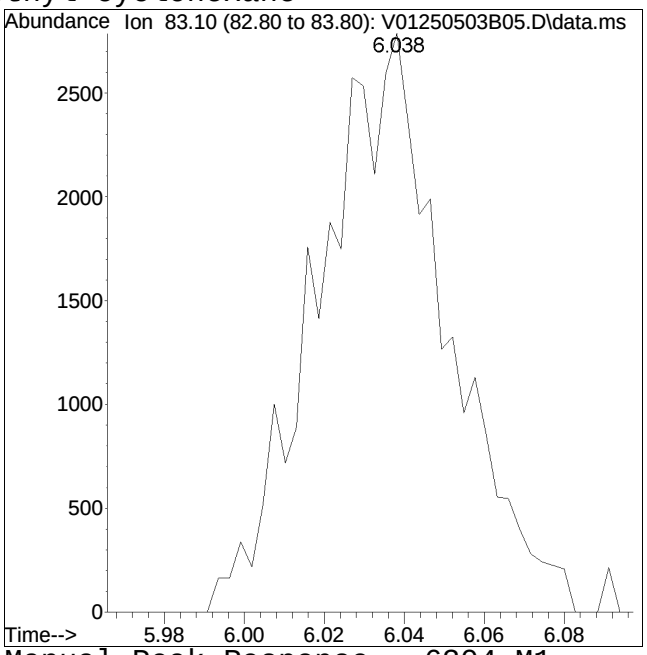
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #47: Methyl cyclohexane





Original Peak Response = 3017 Manual Peak Response = 6304 M1

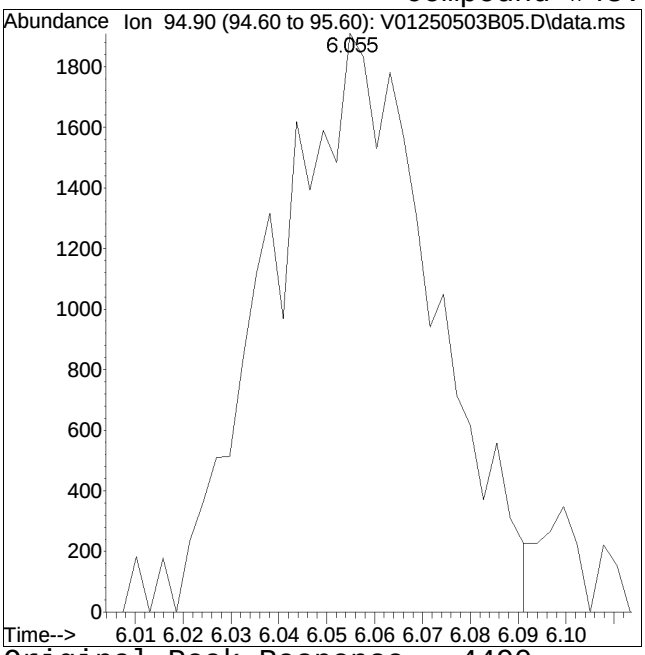
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

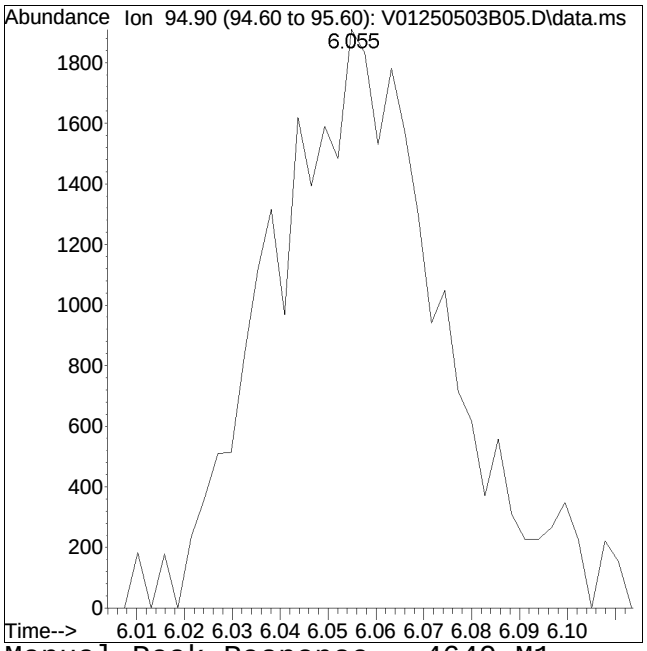
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Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #48: Trichloroethene



Original Peak Response = 4490



Manual Peak Response = 4640 M1

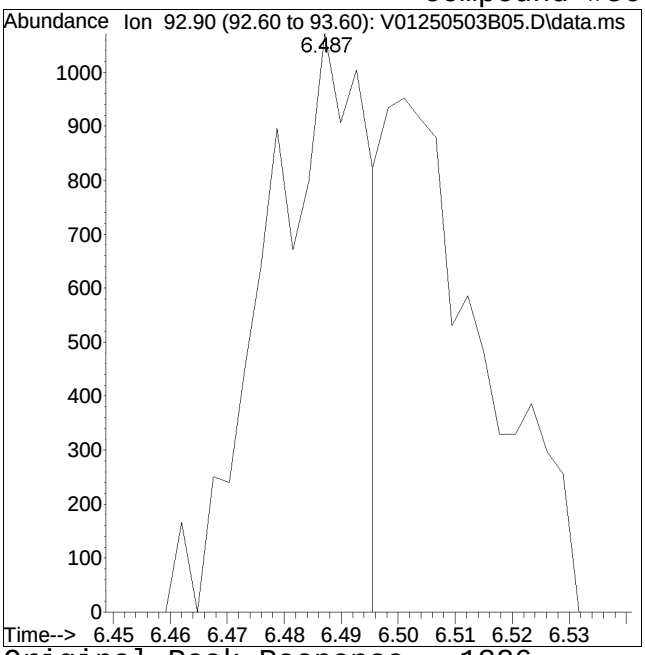
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

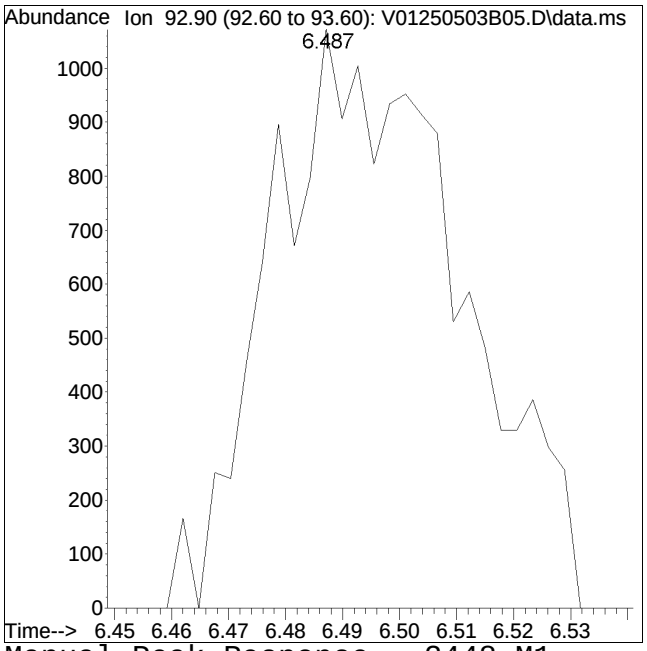
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #50: Dibromomethane



Original Peak Response = 1326



Manual Peak Response = 2448 M1

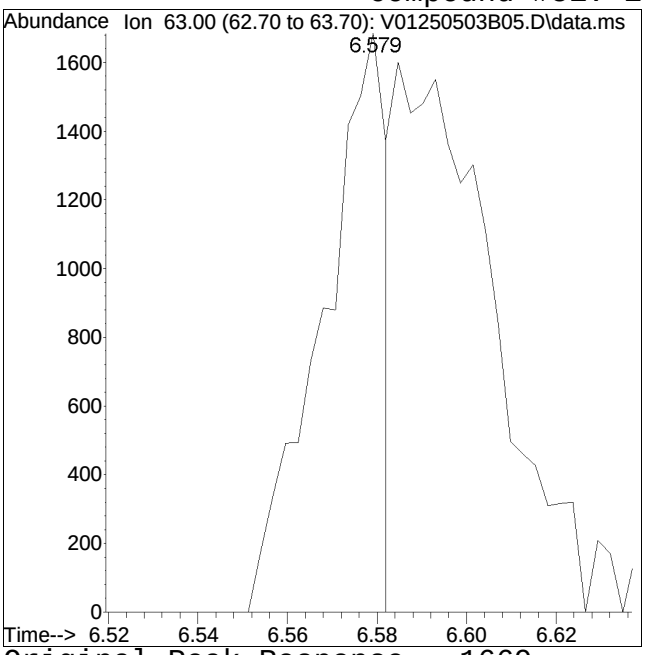
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

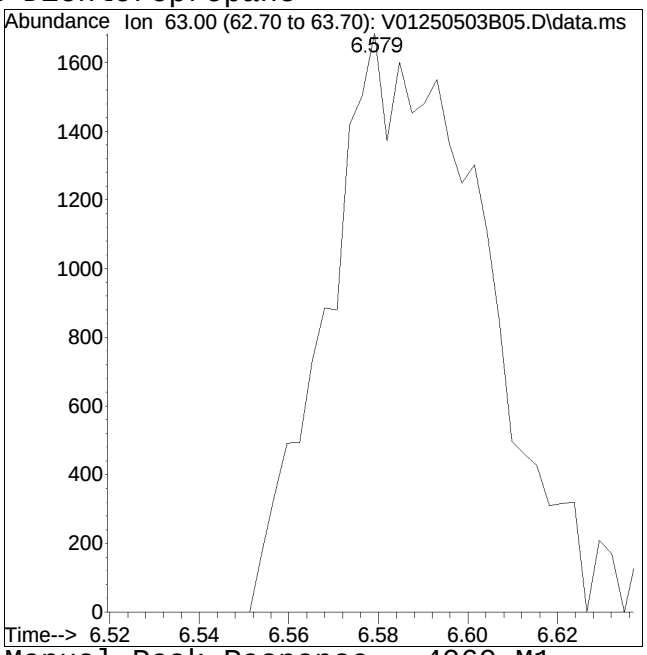
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #51: 1,2-Dichloropropane



Original Peak Response = 1669



Manual Peak Response = 4060 M1

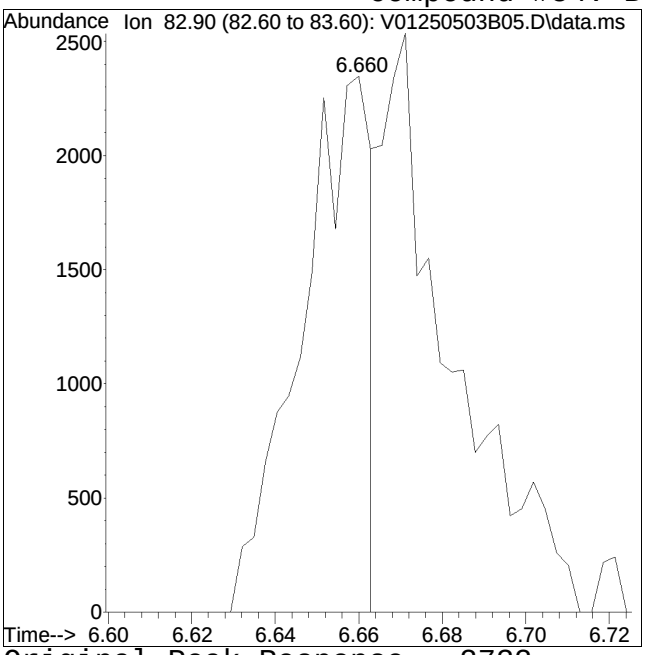
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

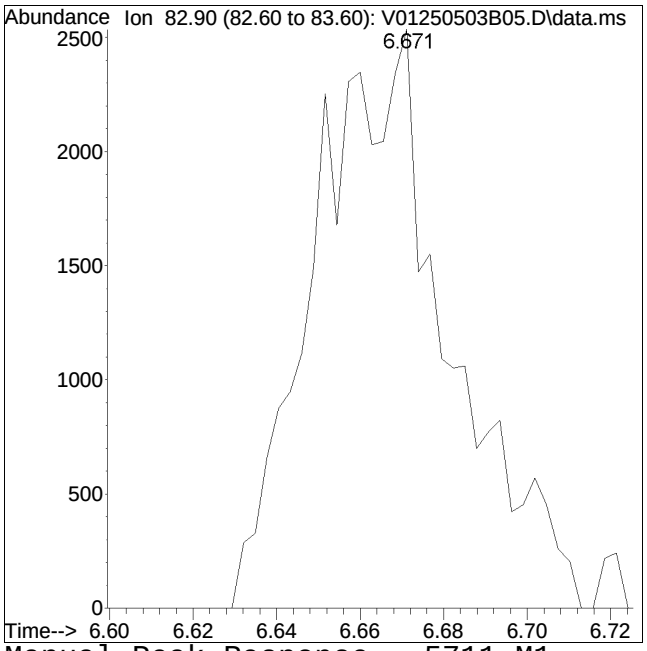
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #54: Bromodichloromethane



Original Peak Response = 2732



Manual Peak Response = 5711 M1

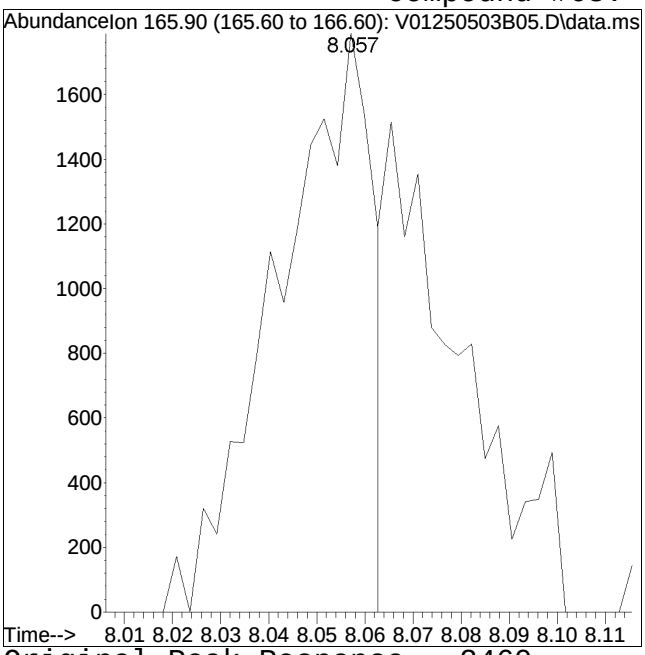
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

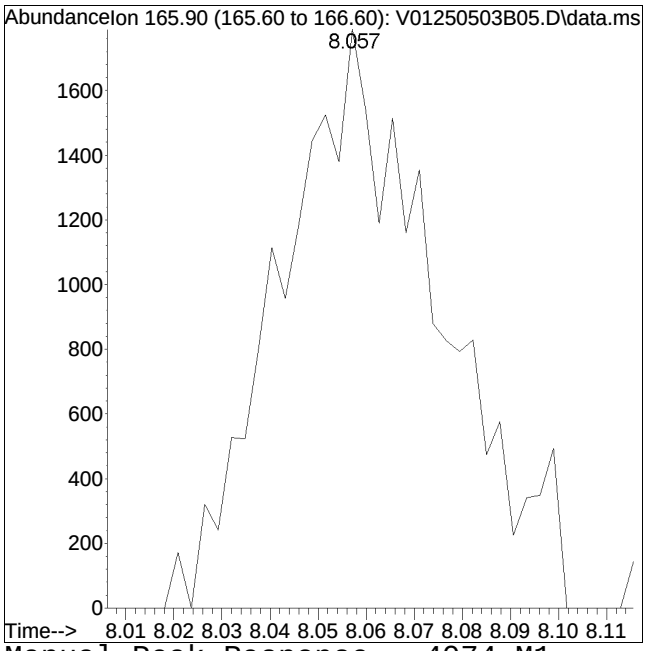
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #63: Tetrachloroethene



Original Peak Response = 2460



Manual Peak Response = 4074 M1

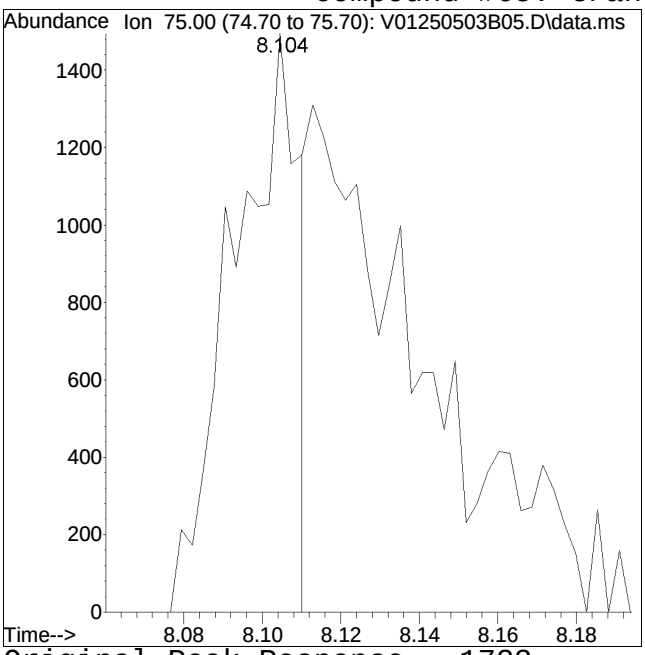
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

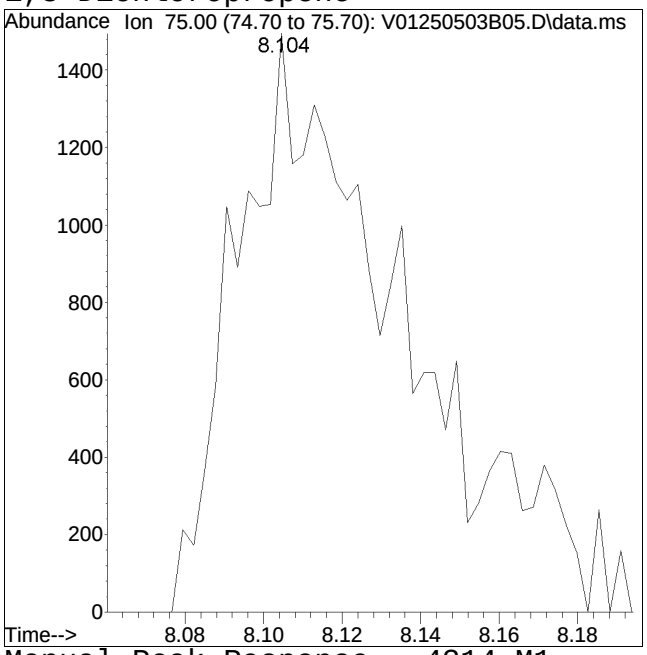
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 1723



Manual Peak Response = 4314 M1

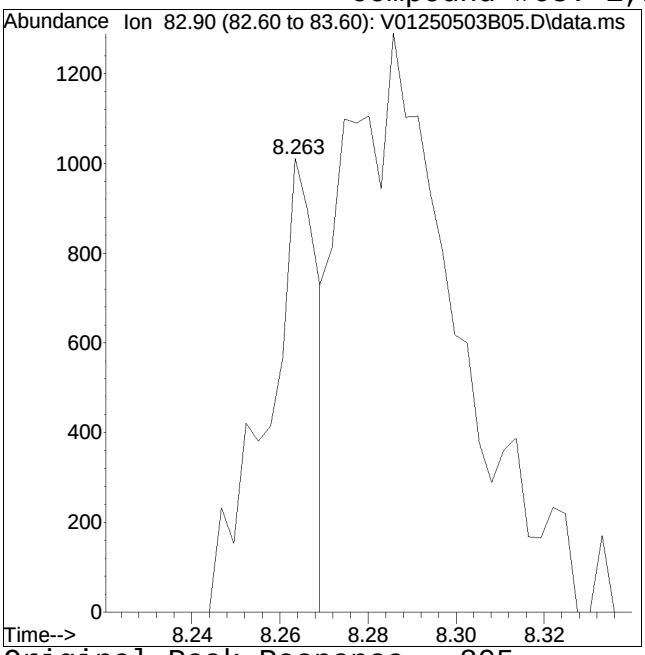
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

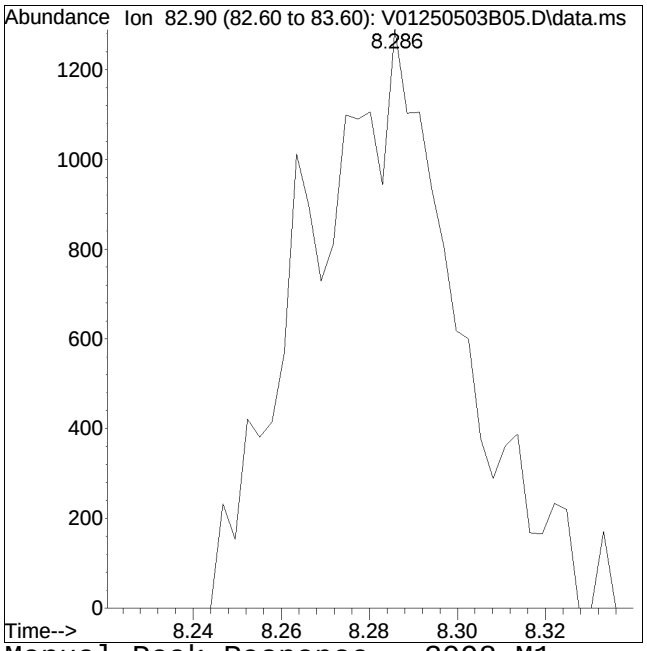
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #68: 1,1,2-Trichloroethane





Original Peak Response = 805 Manual Peak Response = 3098 M1

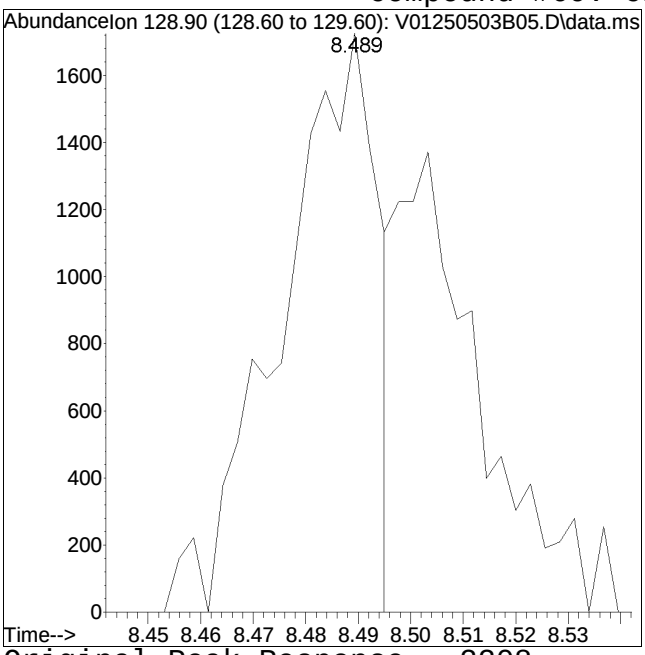
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

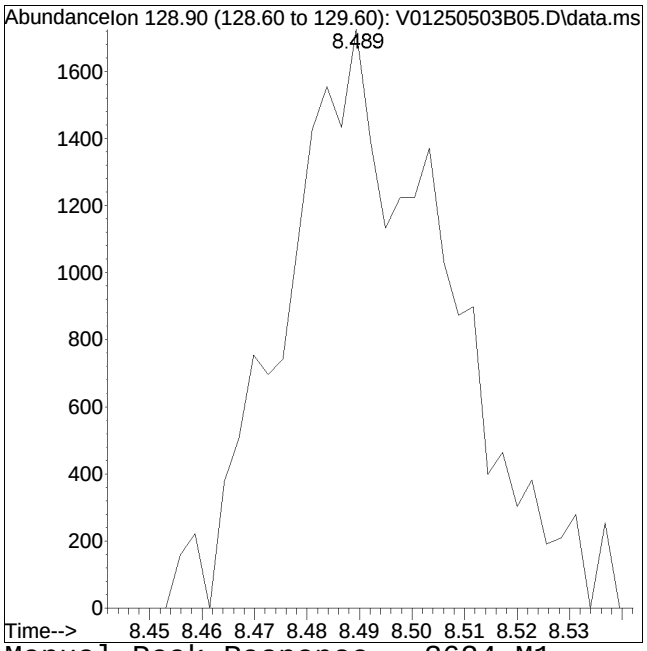
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #69: Chlorodibromomethane



Original Peak Response = 2208



Manual Peak Response = 3624 M1

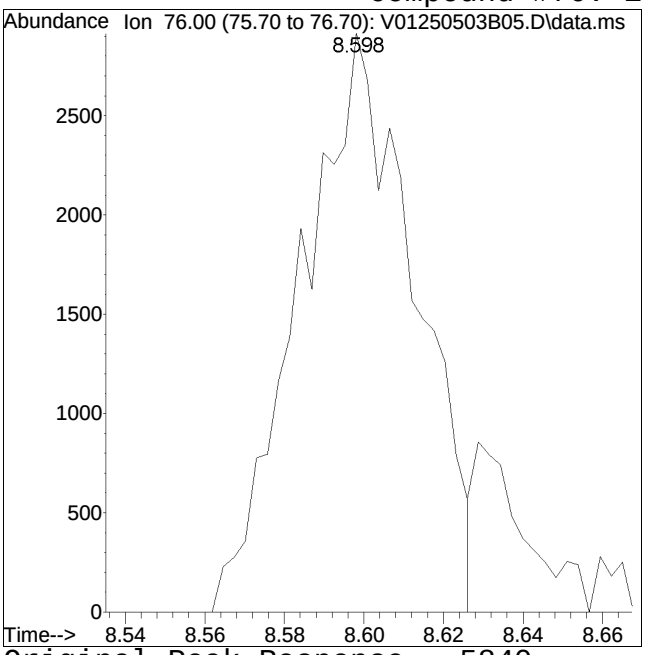
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

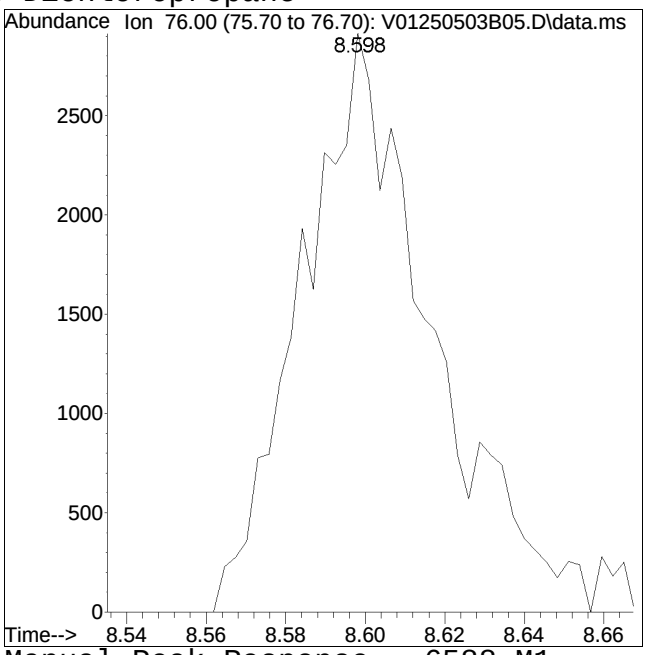
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #70: 1,3-Dichloropropane



Original Peak Response = 5840



Manual Peak Response = 6588 M1

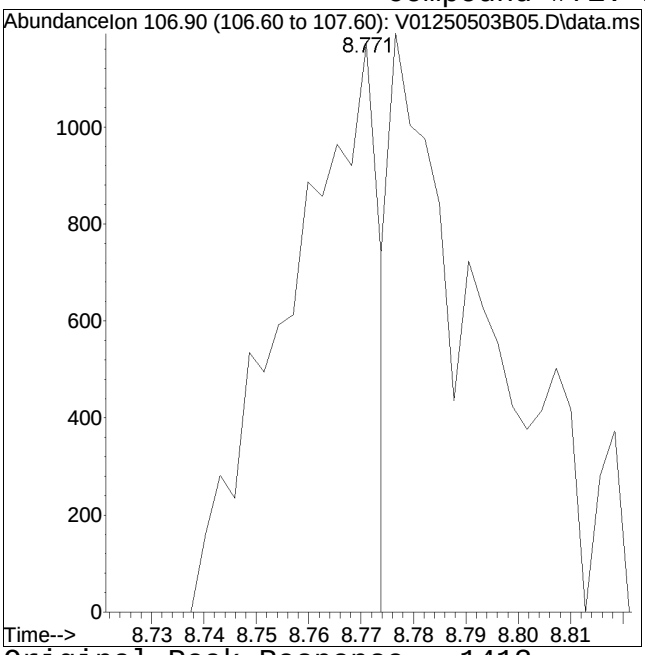
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

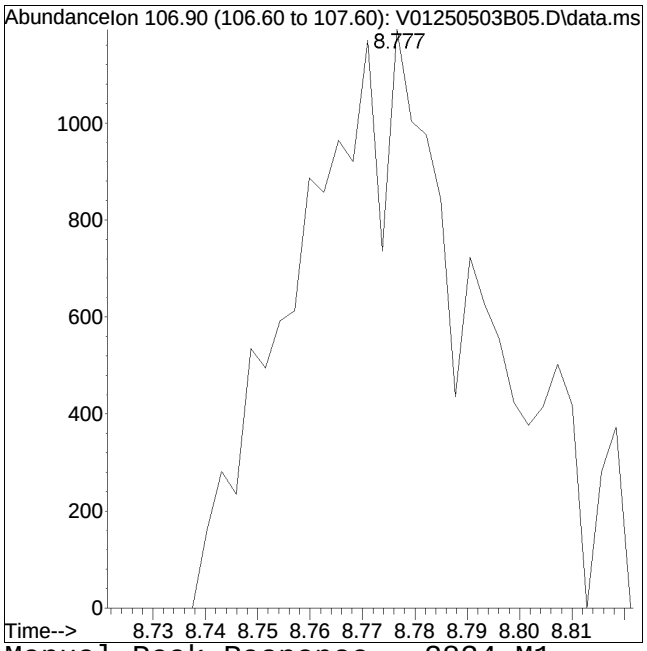
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #71: 1,2-Dibromoethane



Original Peak Response = 1413



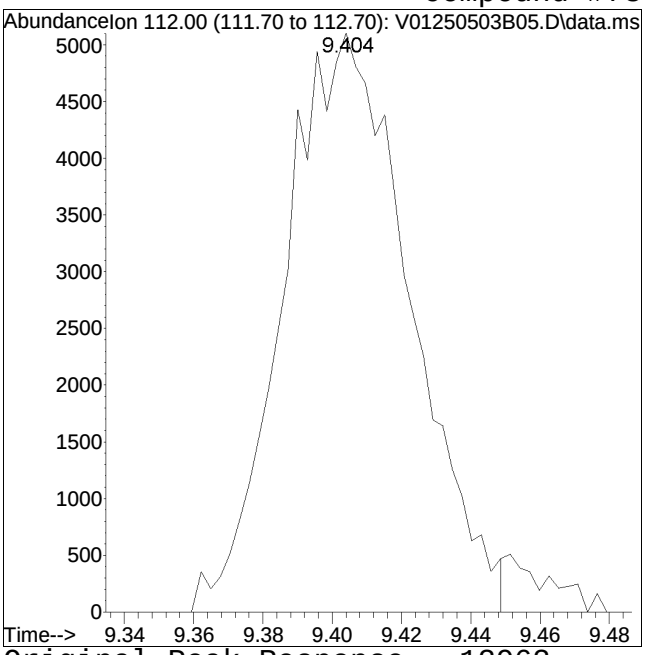
Manual Peak Response = 2834 M1

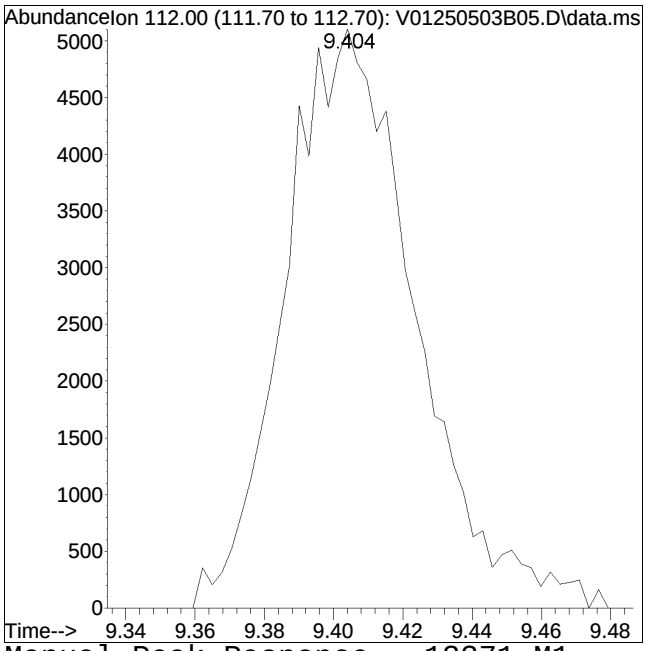
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B05.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 6:59 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 5/4/2025 8:48 am

Compound #73: Chlorobenzene





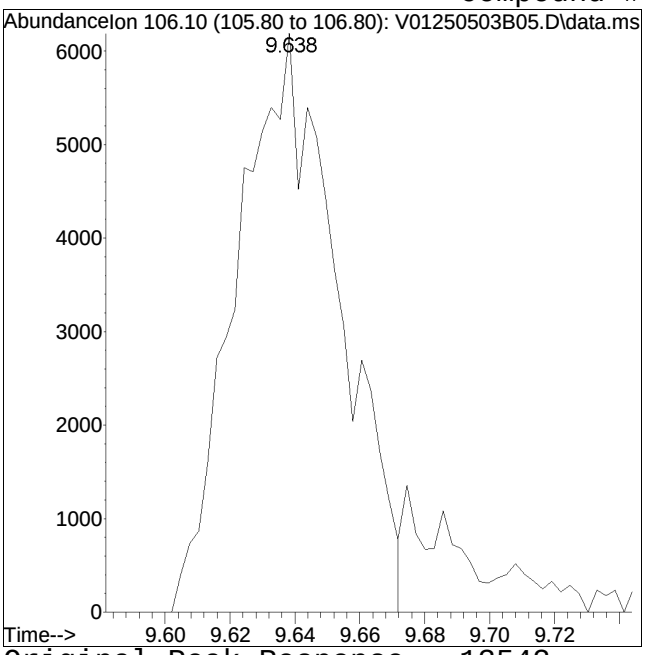
Original Peak Response = 12962 Manual Peak Response = 13371 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

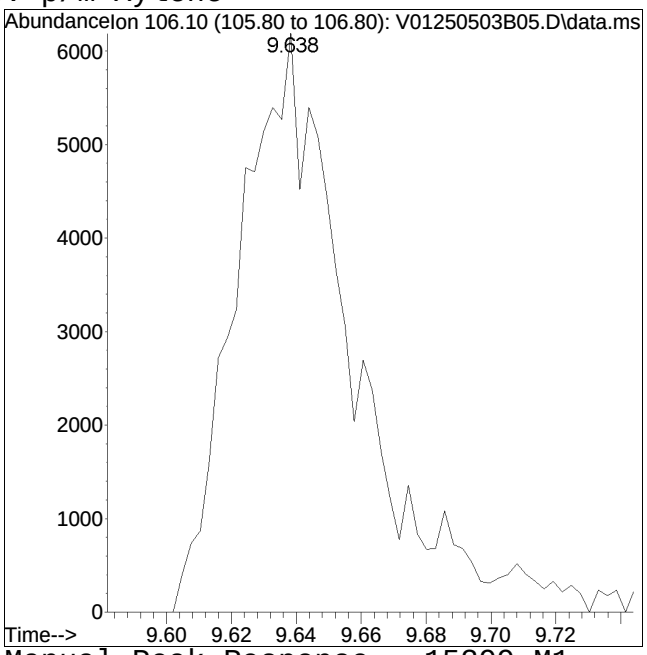
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #76: p/m Xylene



Original Peak Response = 13542



Manual Peak Response = 15299 M1

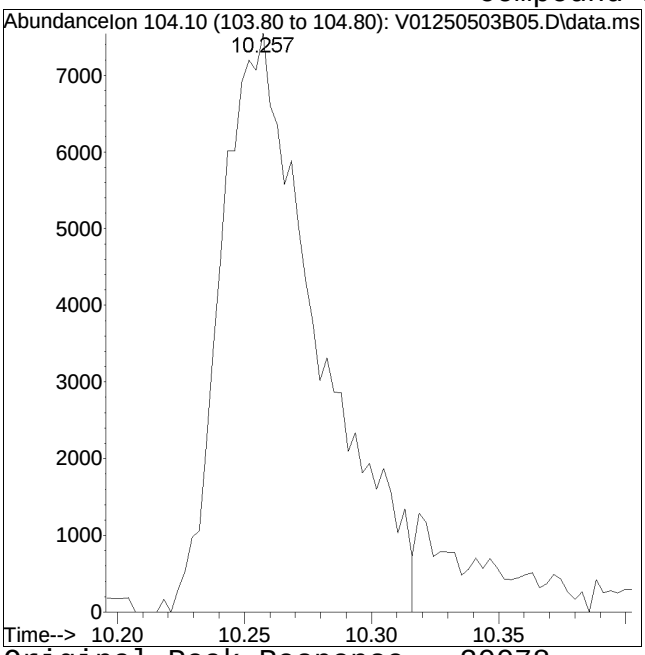
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

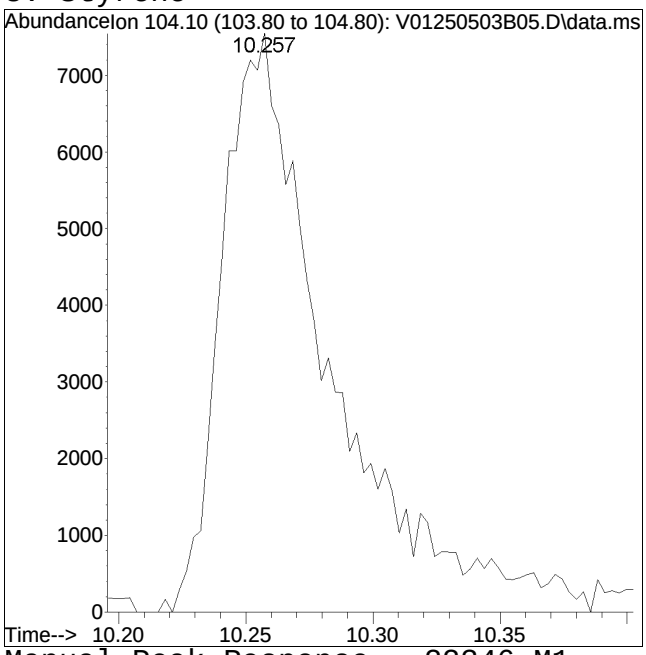
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #78: Styrene





Original Peak Response = 20078 Manual Peak Response = 22346 M1

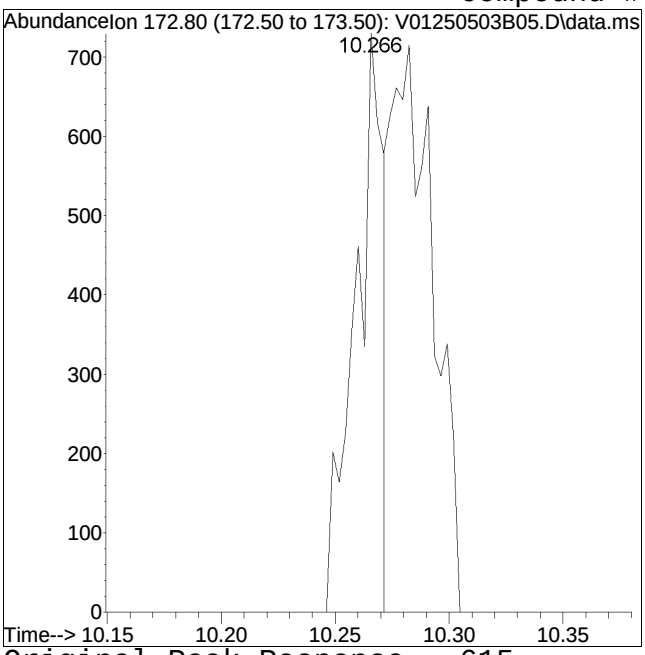
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

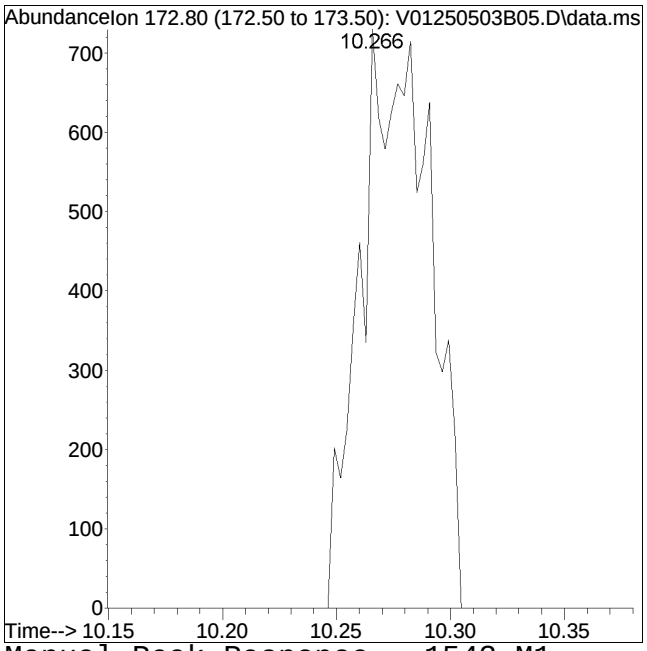
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #80: Bromoform



Original Peak Response = 615



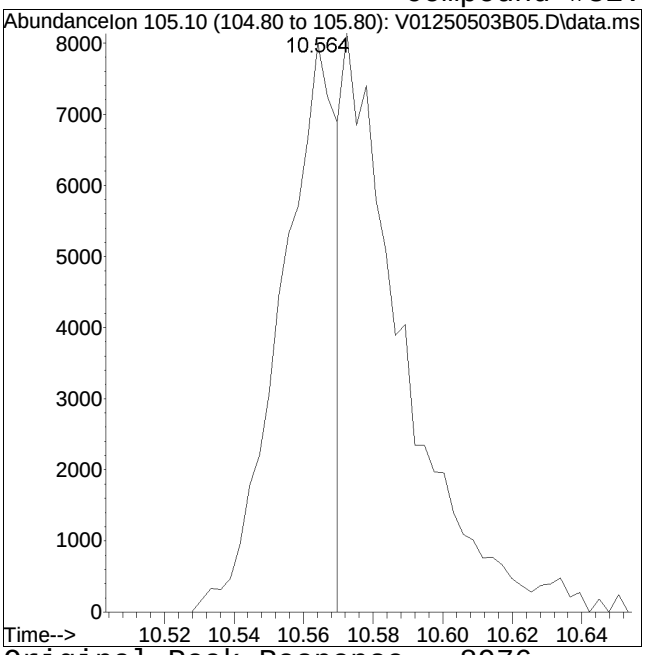
Manual Peak Response = 1543 M1

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

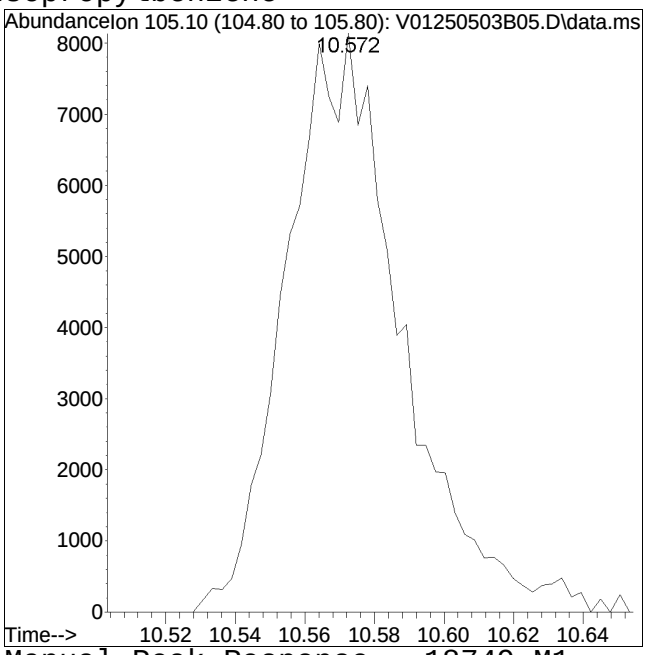
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B05.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 6:59 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 5/4/2025 8:48 am

Compound #82: Isopropylbenzene



Original Peak Response = 8976



Manual Peak Response = 18749 M1

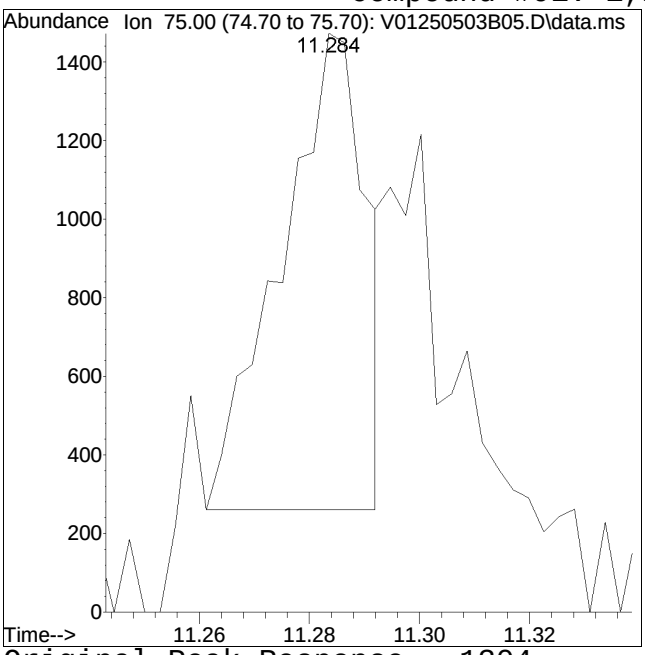
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

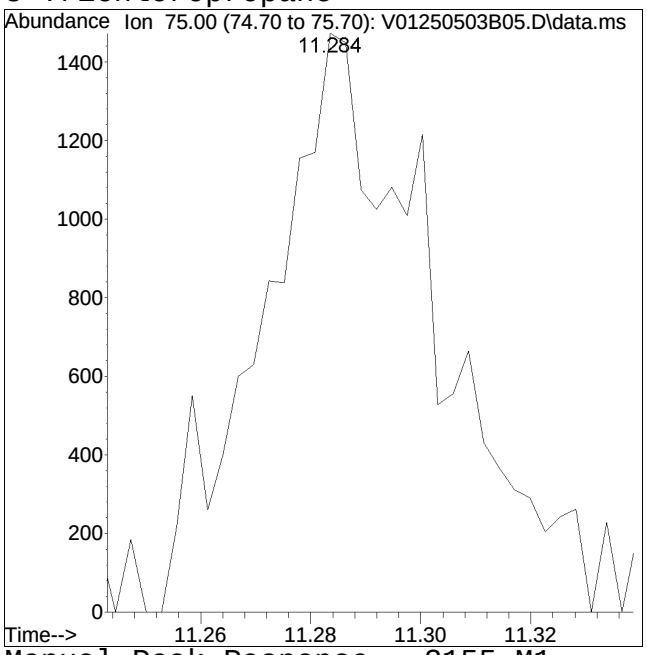
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1304



Manual Peak Response = 3155 M1

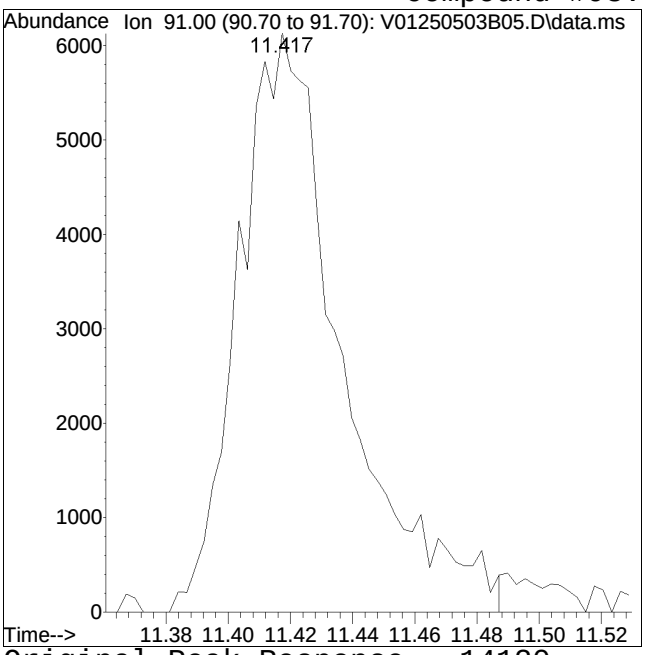
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

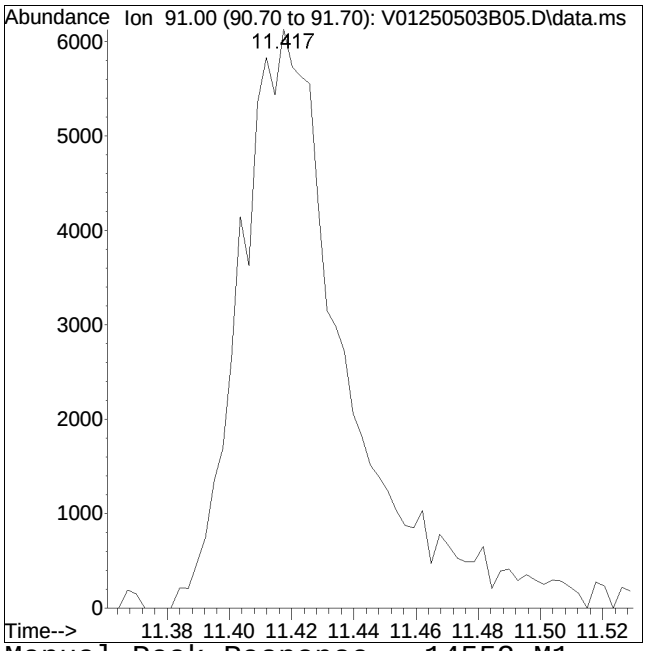
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 14120



Manual Peak Response = 14552 M1

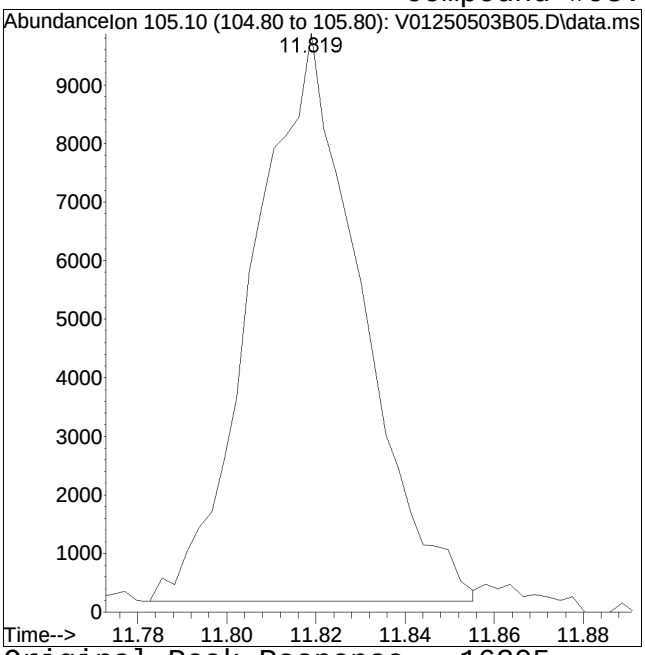
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

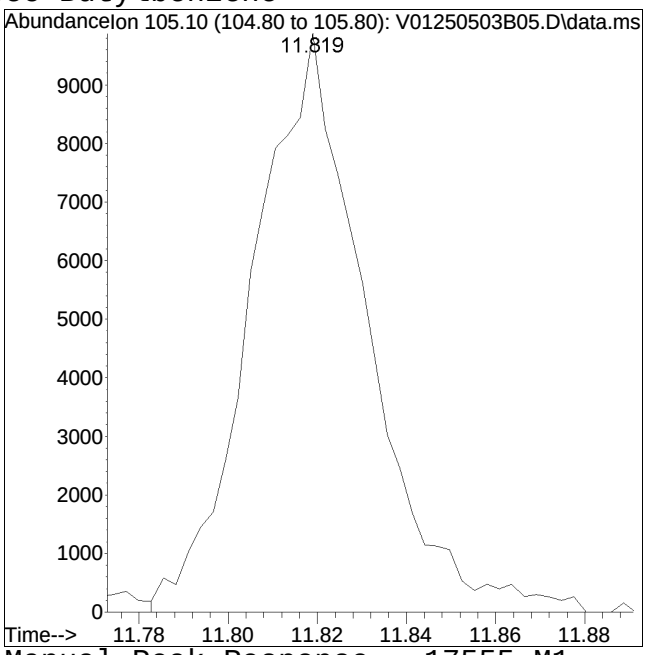
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #98: sec-Butylbenzene



Original Peak Response = 16305



Manual Peak Response = 17555 M1

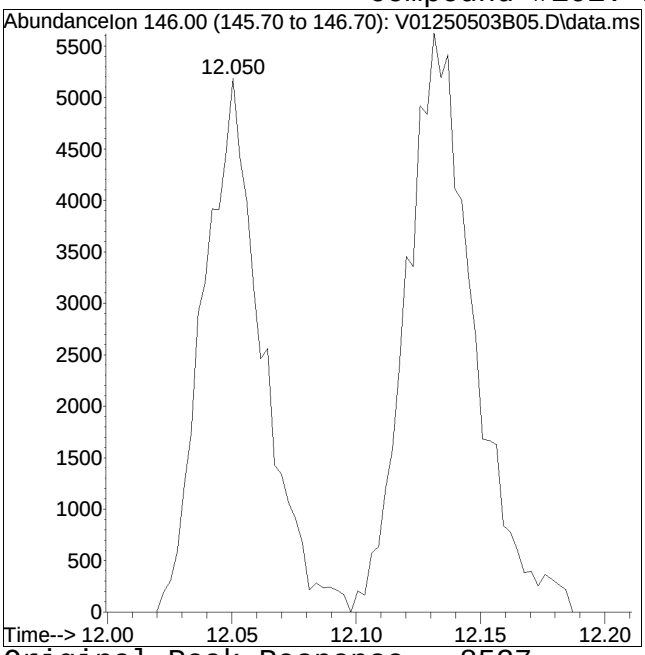
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

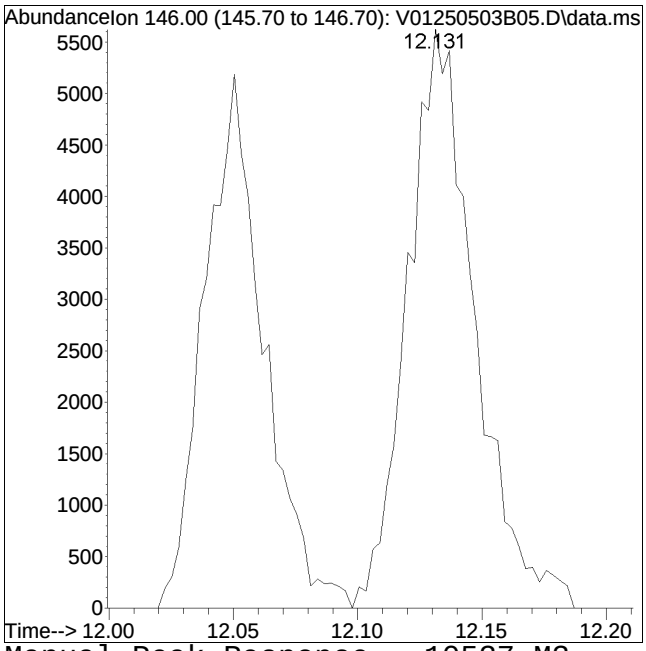
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 8537



Manual Peak Response = 10537 M3

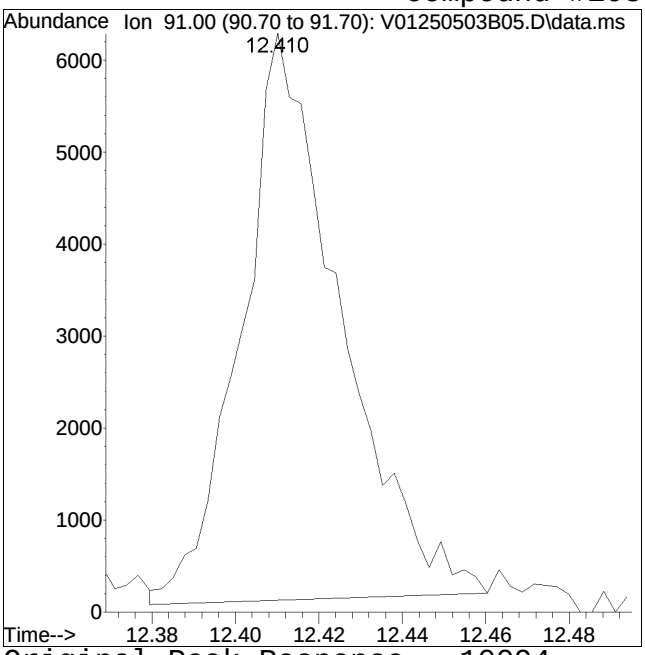
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

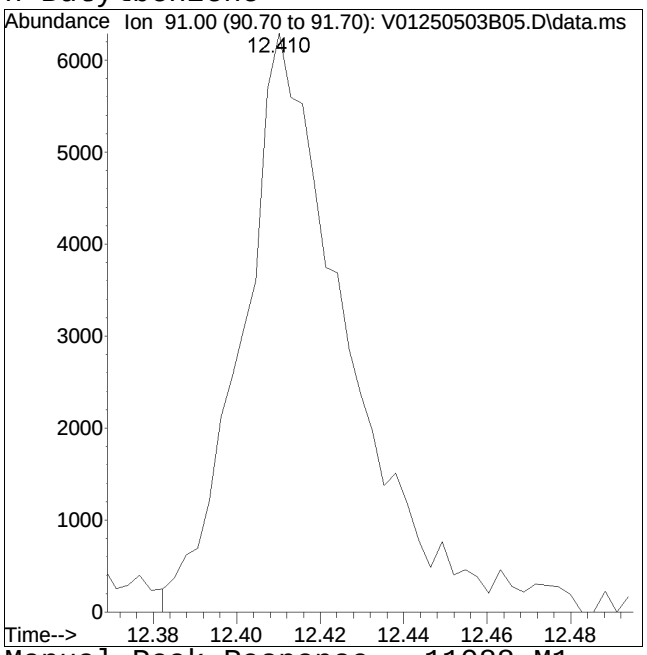
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #103: n-Butylbenzene



Original Peak Response = 10094



Manual Peak Response = 11088 M1

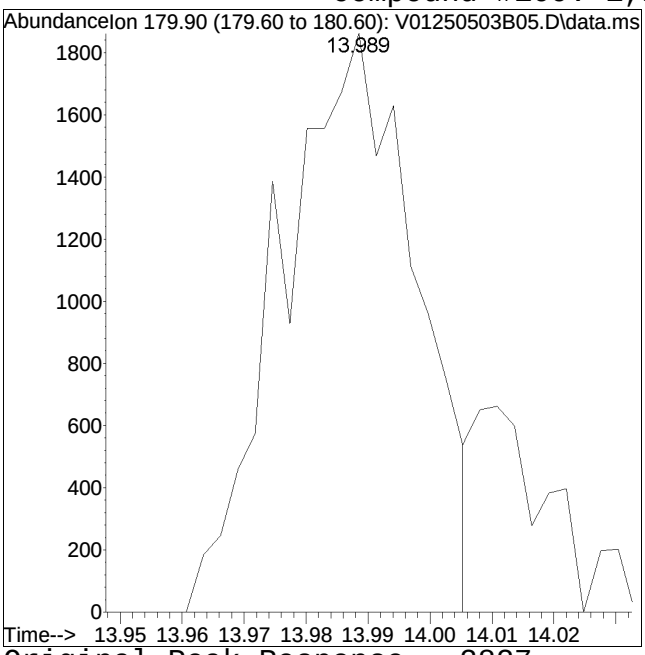
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

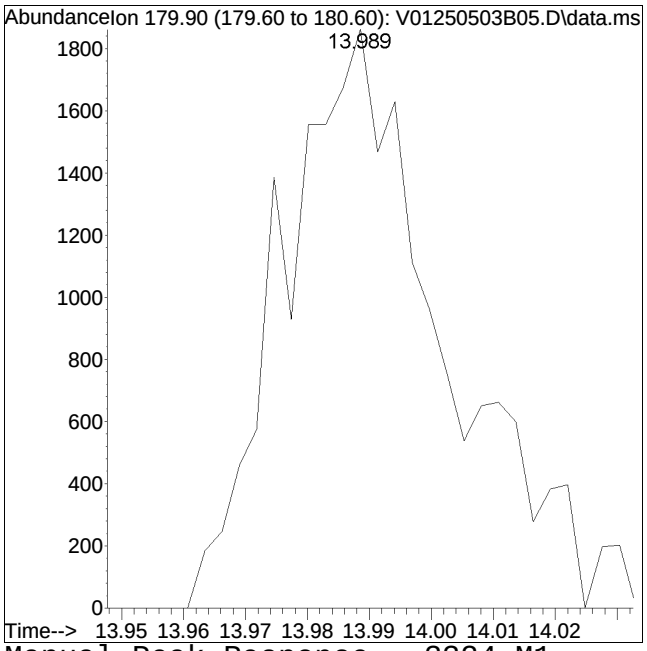
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B05.D
Date Inj'd : 5/3/2025 6:59 am
Sample : I8260STD0.5PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #109: 1,2,4-Trichlorobenzene



Original Peak Response = 2827



Manual Peak Response = 3324 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B08.D
Acq On : 3 May 2025 8:17 am
Operator : VOA101:JIC
Sample : I8260STD2PPB
Misc : WG2062144,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 04 10:21:55 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 10:21:09 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.865	96	424239	10.000	ug/L	0.00
Standard Area 1 = 428841			Recovery = 98.93%			
59) Chlorobenzene-d5	9.382	117	316355	10.000	ug/L	0.00
Standard Area 1 = 325723			Recovery = 97.12%			
79) 1,4-Dichlorobenzene-d4	12.115	152	164040	10.000	ug/L	0.00
Standard Area 1 = 172502			Recovery = 95.09%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.073	113	112289	10.062	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.62%			
43) 1,2-Dichloroethane-d4	5.587	65	113777	10.247	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.47%			
60) Toluene-d8	7.547	98	437297	10.054	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.54%			
83) 4-Bromofluorobenzene	10.893	95	155078	9.761	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.61%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.604	85	27150	2.096	ug/L #	94
3) Chloromethane	1.788	50	14758	1.918	ug/L	99
4) Vinyl chloride	1.858	62	22114	1.988	ug/L	99
5) Bromomethane	2.154	94	4364	1.592	ug/L	95
6) Chloroethane	2.268	64	14330	2.277	ug/L	92
7) Trichlorofluoromethane	2.399	101	32622	2.192	ug/L	99
8) Ethyl ether	2.689	74	9124	2.048	ug/L #	52
10) 1,1-Dichloroethene	2.873	96	19244	2.106	ug/L #	66
11) Carbon disulfide	2.901	76	61443	2.015	ug/L	99
12) Freon-113	2.901	101	19021	2.063	ug/L	82
14) Acrolein	3.191	56	1312	1.707	ug/L #	58
15) Methylene chloride	3.409	84	22166	2.082	ug/L #	57
17) Acetone	3.459	43	2380M1	1.895	ug/L	
18) trans-1,2-Dichloroethene	3.559	96	20927	2.082	ug/L	76
19) Methyl acetate	3.576	43	5173	1.961	ug/L #	70
20) Methyl tert-butyl ether	3.654	73	41035	1.983	ug/L #	82
21) tert-Butyl alcohol	3.752	59	2887M1	10.671	ug/L	
22) Diisopropyl ether	4.000	45	40999	1.934	ug/L #	71
23) 1,1-Dichloroethane	4.128	63	36859M1	2.115	ug/L	
24) Halothane	4.175	117	16401	2.143	ug/L	98
25) Acrylonitrile	4.181	53	2332M1	1.658	ug/L	

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B08.D
Acq On : 3 May 2025 8:17 am
Operator : VOA101:JIC
Sample : I8260STD2PPB
Misc : WG2062144,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 04 10:21:55 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 10:21:09 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.346	59	41810M1	1.941	ug/L		
27) Vinyl acetate	4.373	43	18051M1	1.866	ug/L		
28) cis-1,2-Dichloroethene	4.638	96	23985M1	2.148	ug/L		
29) 2,2-Dichloropropane	4.736	77	28701	2.118	ug/L	#	53
30) Bromochloromethane	4.825	128	10105	2.156	ug/L	#	60
31) Cyclohexane	4.828	56	29197	1.987	ug/L	#	45
32) Chloroform	4.898	83	38024	2.092	ug/L	#	88
33) Ethyl acetate	5.018	43	7152M1	1.879	ug/L		
34) Carbon tetrachloride	5.032	117	27745	2.050	ug/L		98
35) Tetrahydrofuran	5.059	42	2284M4	1.999	ug/L		
37) 1,1,1-Trichloroethane	5.093	97	32408	2.090	ug/L		94
39) 2-Butanone	5.213	43	2960M1	1.979	ug/L		
40) 1,1-Dichloropropene	5.216	75	27700M1	2.059	ug/L		
41) Benzene	5.453	78	86048	2.068	ug/L	#	86
42) tert-Amyl methyl ether	5.564	73	40707M1	1.944	ug/L		
44) 1,2-Dichloroethane	5.659	62	22234M1	2.094	ug/L		
47) Methyl cyclohexane	6.030	83	37340	2.020	ug/L	#	59
48) Trichloroethene	6.047	95	24353M1	2.209	ug/L		
50) Dibromomethane	6.490	93	10721M1	2.068	ug/L		
51) 1,2-Dichloropropane	6.582	63	18797	1.938	ug/L	#	90
53) 2-Chloroethyl vinyl ether	7.293	63	525M1	1.730	ug/L		
54) Bromodichloromethane	6.660	83	26912M1	2.005	ug/L		
57) 1,4-Dioxane	6.872	88	16617M1	419.171	ug/L		
58) cis-1,3-Dichloropropene	7.349	75	27928	1.901	ug/L	#	76
61) Toluene	7.600	92	54125	2.090	ug/L		99
62) 4-Methyl-2-pentanone	8.052	58	2519M1	1.615	ug/L		
63) Tetrachloroethene	8.057	166	22764	2.171	ug/L		98
65) trans-1,3-Dichloropropene	8.094	75	21750M1	1.840	ug/L		
67) Ethyl methacrylate	8.283	69	14177M1	1.634	ug/L		
68) 1,1,2-Trichloroethane	8.272	83	12833	2.057	ug/L	#	78
69) Chlorodibromomethane	8.484	129	16889M1	1.933	ug/L		
70) 1,3-Dichloropropane	8.593	76	26128M1	1.998	ug/L		
71) 1,2-Dibromoethane	8.760	107	13851M1	2.044	ug/L		
72) 2-Hexanone	9.086	43	3368M1	1.481	ug/L		
73) Chlorobenzene	9.404	112	59932	2.056	ug/L		97
74) Ethylbenzene	9.440	91	100615	1.985	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.485	131	19382	1.989	ug/L		97
76) p/m Xylene	9.627	106	76742	4.012	ug/L		97
77) o Xylene	10.171	106	76563	4.147	ug/L		97
78) Styrene	10.241	104	121308M1	4.056	ug/L		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B08.D
Acq On : 3 May 2025 8:17 am
Operator : VOA101:JIC
Sample : I8260STD2PPB
Misc : WG2062144,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 04 10:21:55 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 10:21:09 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.274	173	7911M1	1.863	ug/L		
82) Isopropylbenzene	10.564	105	99935	2.019	ug/L		100
84) Bromobenzene	11.010	156	21921	2.039	ug/L		100
85) n-Propylbenzene	11.052	91	117179	2.027	ug/L		99
86) 1,4-Dichlorobutane	11.066	55	17494	1.901	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.144	83	16386	2.120	ug/L		99
88) 4-Ethyltoluene	11.183	105	95378	2.011	ug/L		100
89) 2-Chlorotoluene	11.225	91	69499M4	2.034	ug/L		
90) 1,3,5-Trimethylbenzene	11.281	105	79268	2.018	ug/L		99
91) 1,2,3-Trichloropropane	11.284	75	12779M4	2.032	ug/L		
92) trans-1,4-Dichloro-2-b...	11.348	53	2254	1.592	ug/L		89
93) 4-Chlorotoluene	11.406	91	67157	1.944	ug/L		98
94) tert-Butylbenzene	11.621	119	65574	1.991	ug/L		100
97) 1,2,4-Trimethylbenzene	11.705	105	74497	1.966	ug/L		99
98) sec-Butylbenzene	11.814	105	98838	2.029	ug/L		98
99) p-Isopropyltoluene	11.973	119	77396	1.945	ug/L		99
100) 1,3-Dichlorobenzene	12.042	146	42487	2.068	ug/L		98
101) 1,4-Dichlorobenzene	12.131	146	43930M1	2.072	ug/L		
102) p-Diethylbenzene	12.346	119	42625	1.894	ug/L		99
103) n-Butylbenzene	12.408	91	64405	1.949	ug/L		99
104) 1,2-Dichlorobenzene	12.561	146	36432	2.022	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.147	119	53723	1.764	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.345	155	1538	1.876	ug/L		97
107) 1,3,5-Trichlorobenzene	13.381	180	21888	1.999	ug/L		98
108) Hexachlorobutadiene	13.952	225	7866	2.021	ug/L		97
109) 1,2,4-Trichlorobenzene	13.978	180	16193	1.902	ug/L		99
110) Naphthalene	14.276	128	28277M1	1.802	ug/L		
111) 1,2,3-Trichlorobenzene	14.438	180	12609	2.008	ug/L	#	88

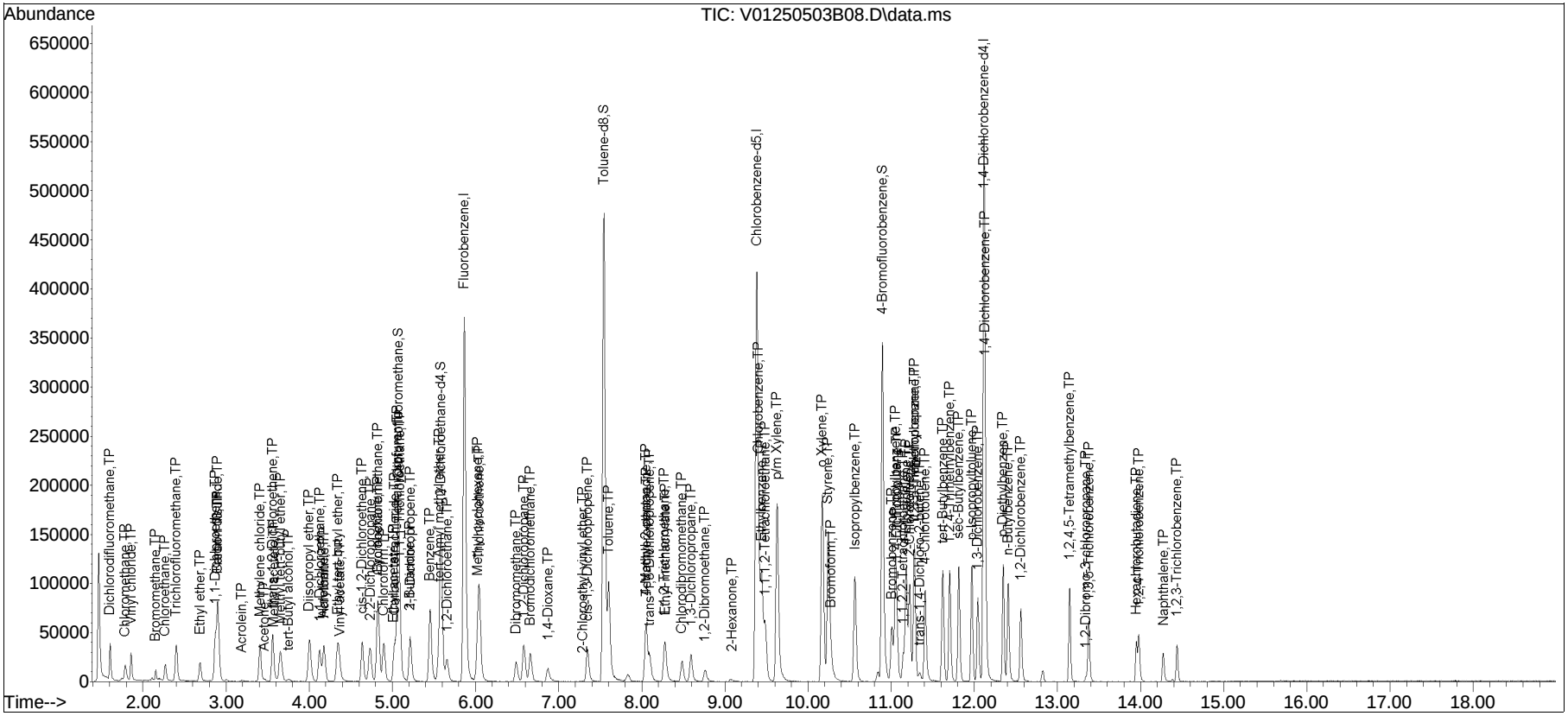
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B08.D
Acq On : 3 May 2025 8:17 am
Operator : VOA101:JIC
Sample : I8260STD2PPB
Misc : WG2062144,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 04 10:21:55 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 10:21:09 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

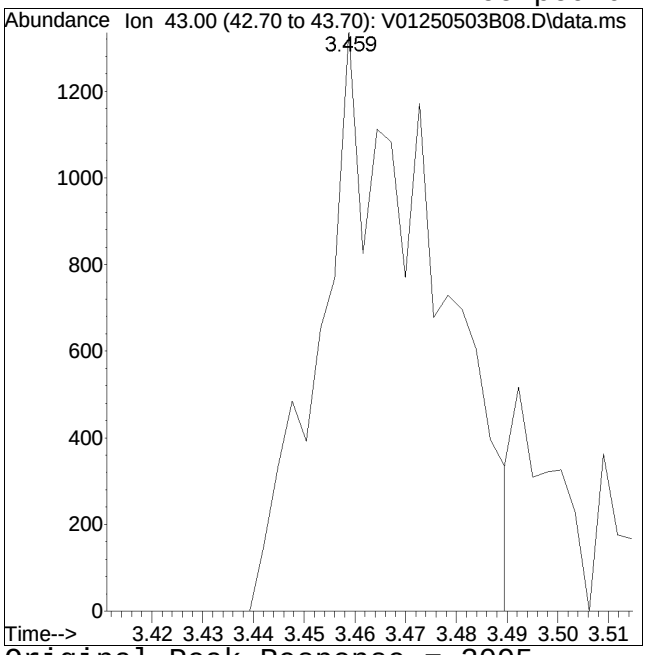


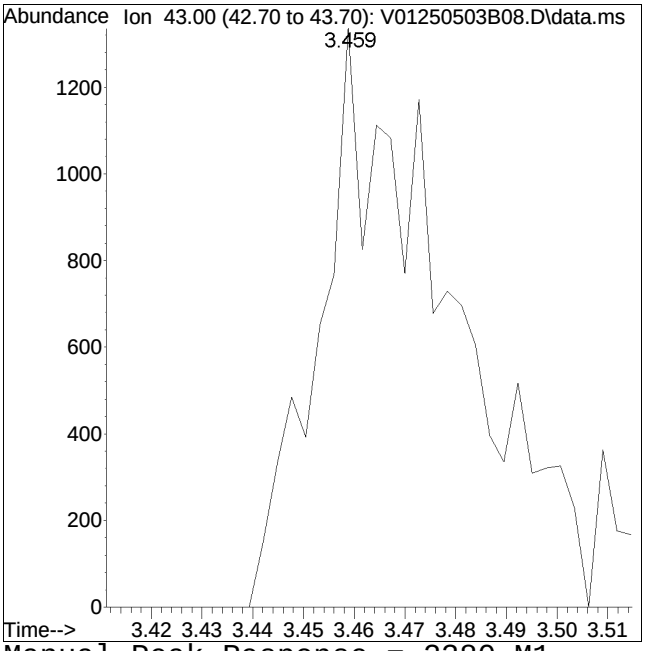
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #17: Acetone





Original Peak Response = 2095 Manual Peak Response = 2380 M1

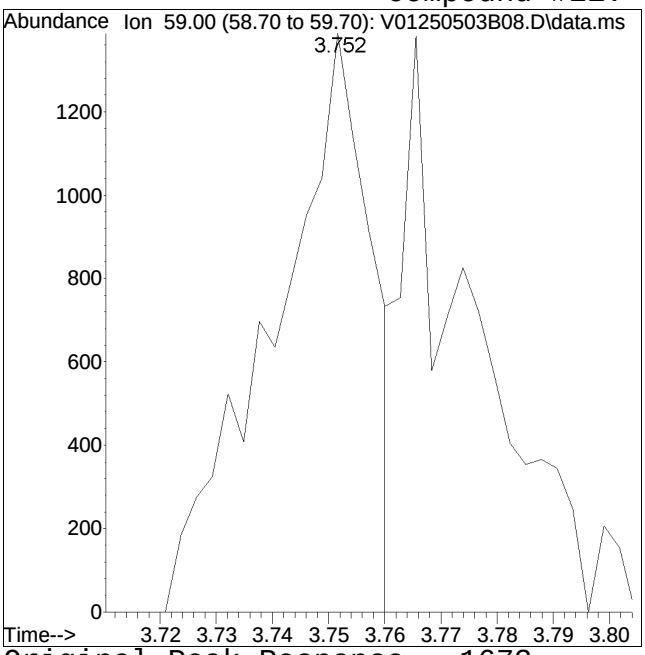
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Manual Integration Report

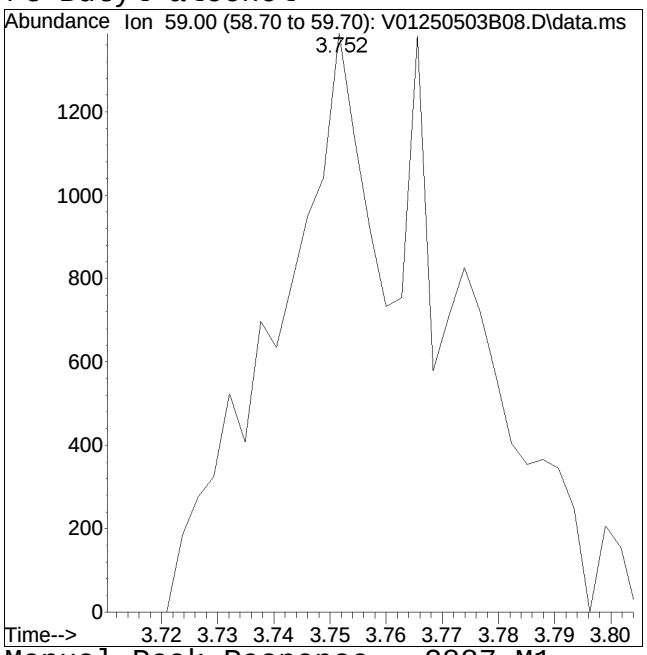
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 1673



Manual Peak Response = 2887 M1

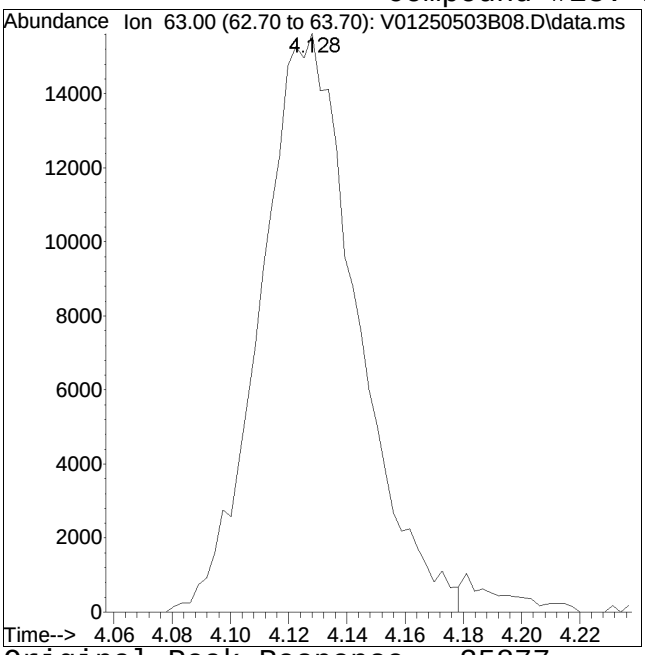
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

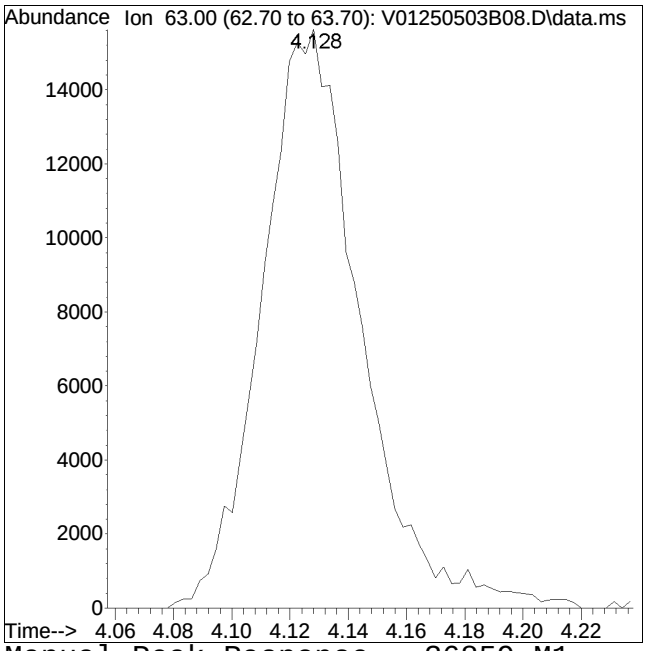
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 35877



Manual Peak Response = 36859 M1

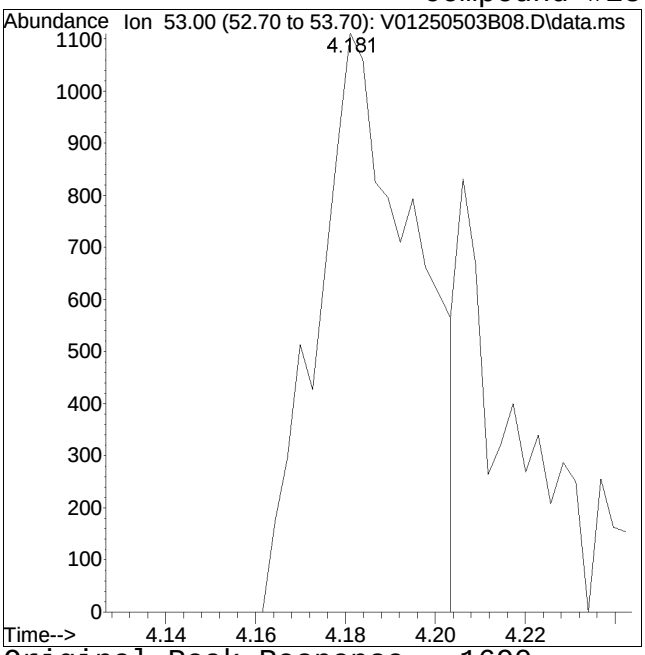
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

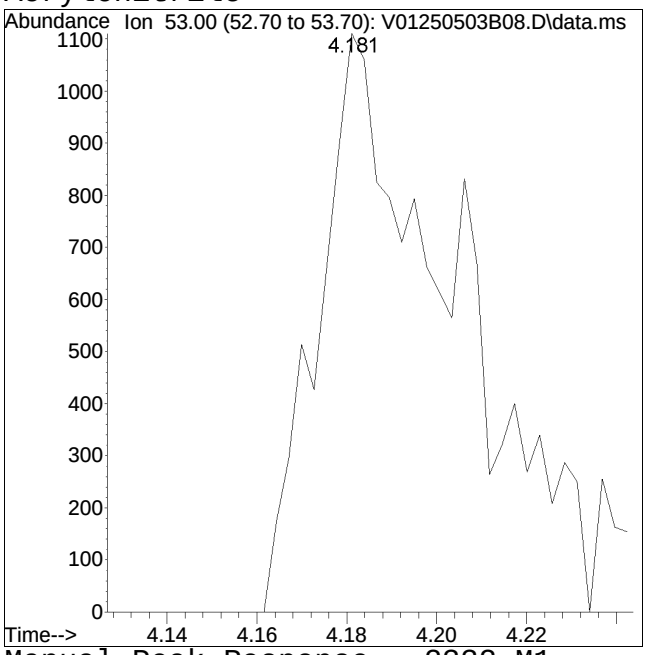
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #25: Acrylonitrile



Original Peak Response = 1690



Manual Peak Response = 2332 M1

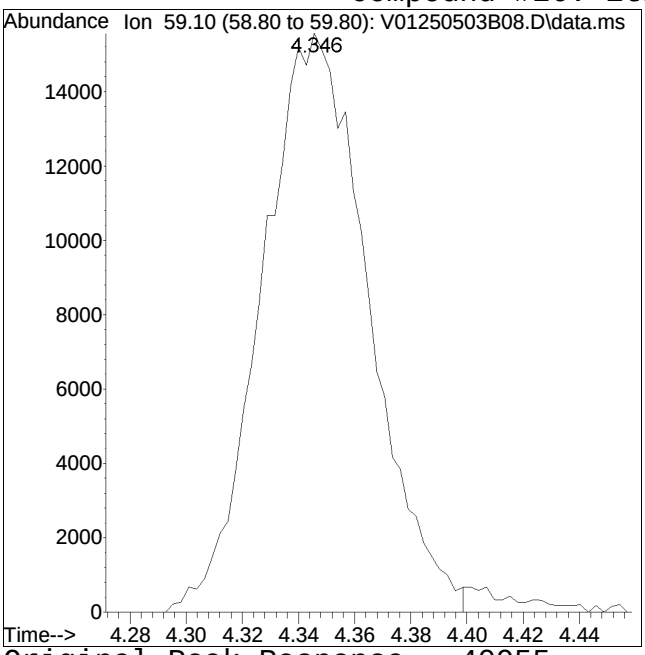
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

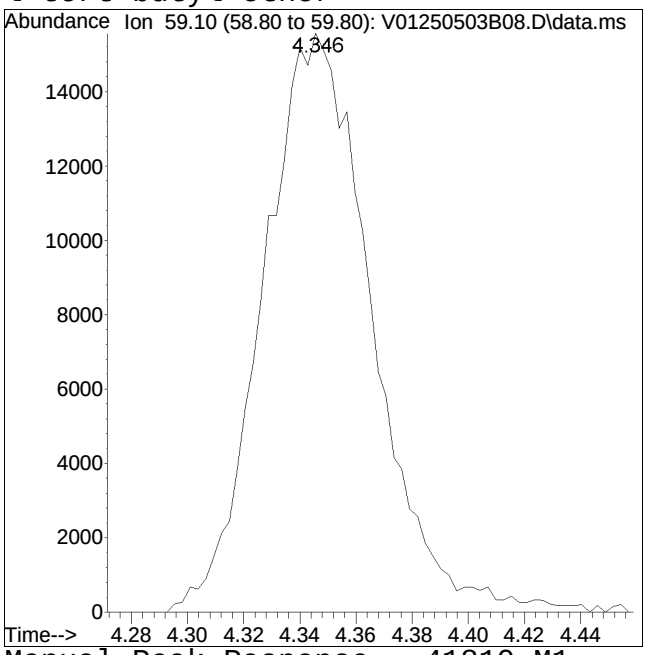
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 40955



Manual Peak Response = 41810 M1

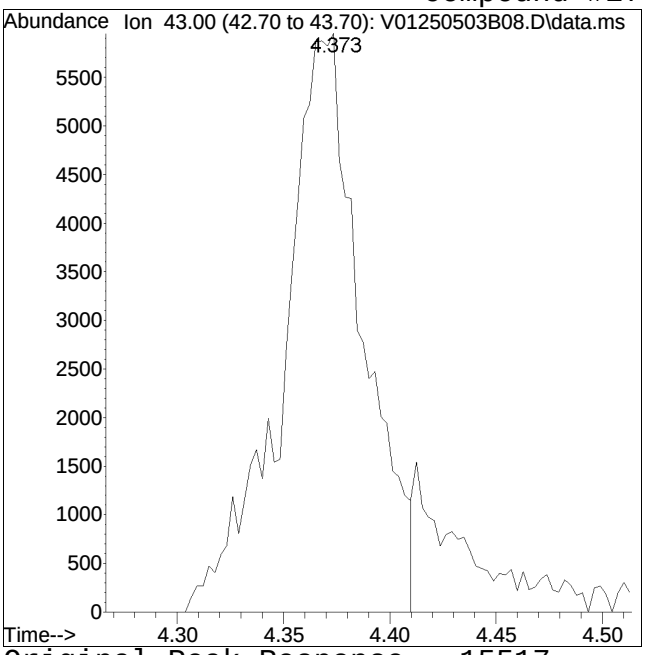
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

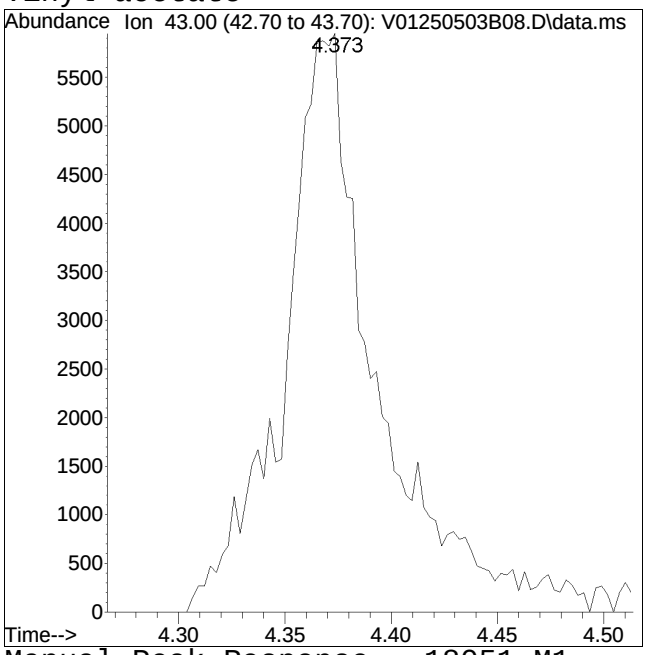
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #27: Vinyl acetate



Original Peak Response = 15517



Manual Peak Response = 18051 M1

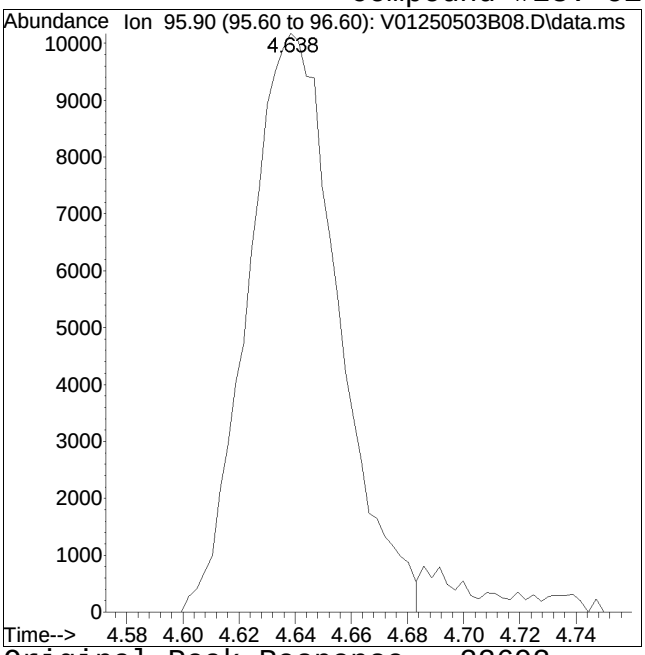
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

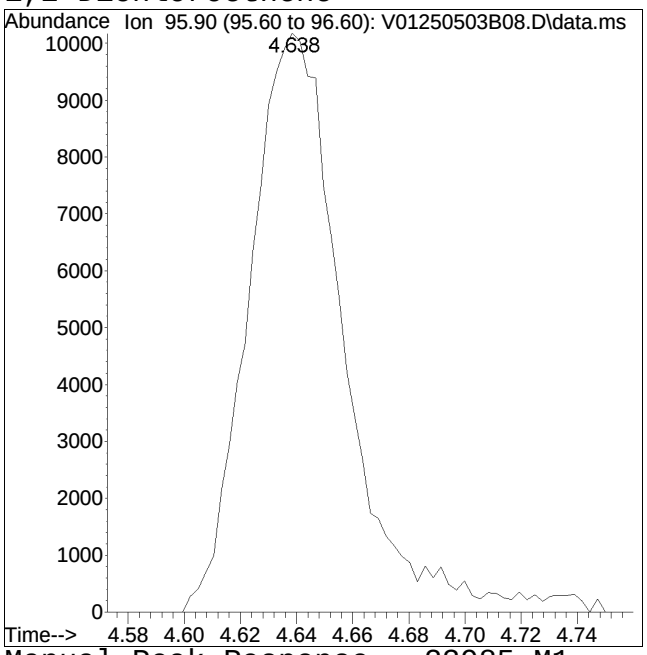
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 22692



Manual Peak Response = 23985 M1

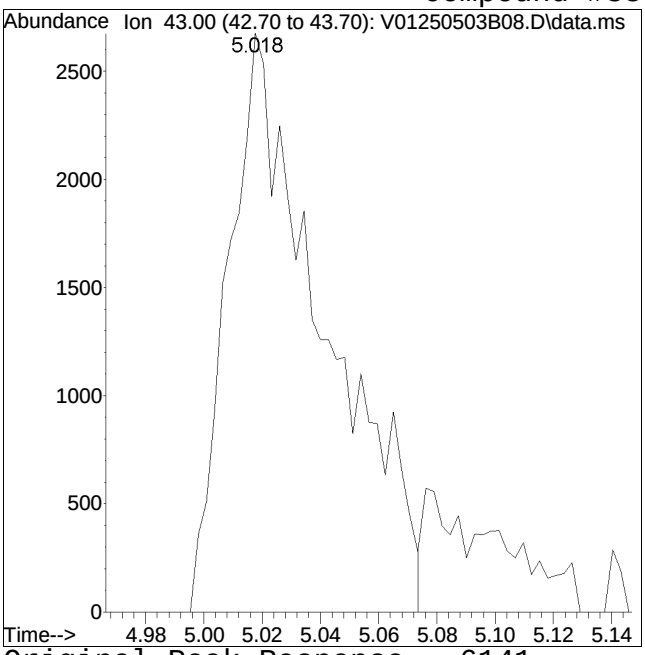
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

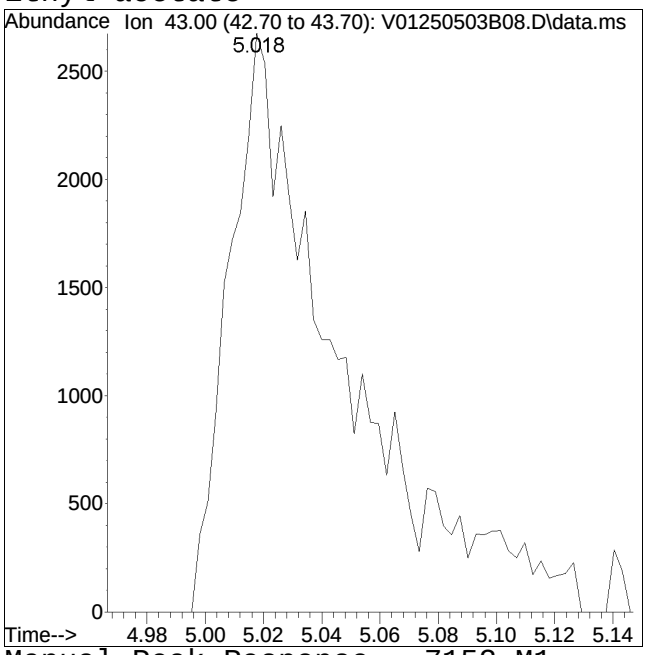
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #33: Ethyl acetate



Original Peak Response = 6141



Manual Peak Response = 7152 M1

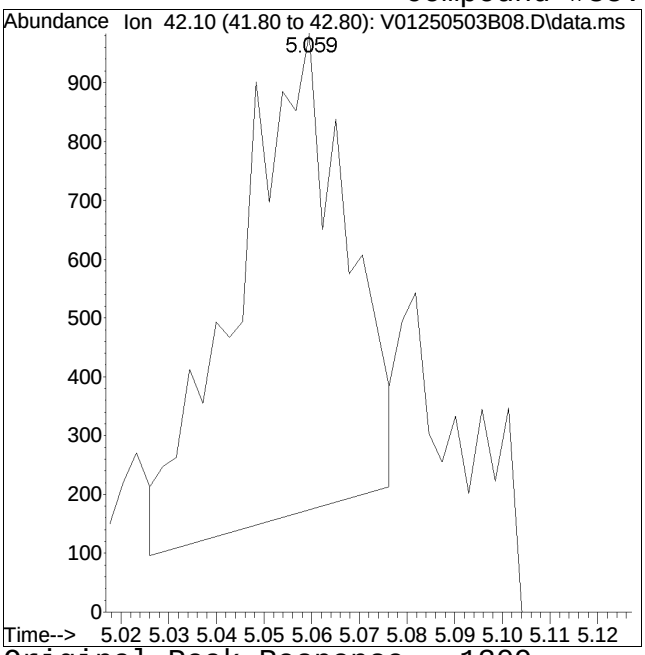
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

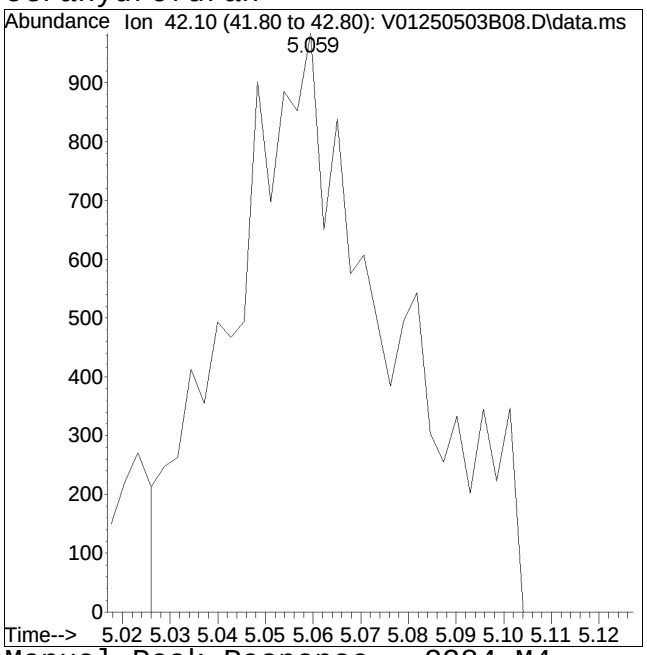
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Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1309



Manual Peak Response = 2284 M4

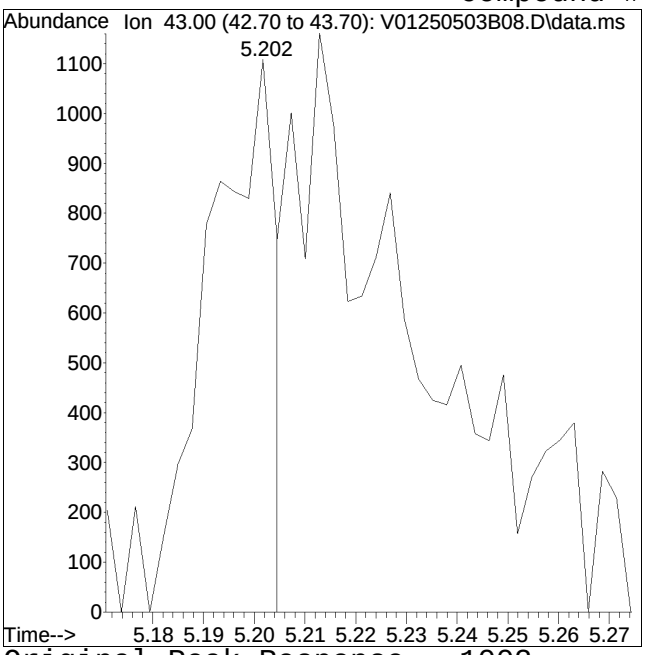
M4 = Poor automated baseline construction.

Manual Integration Report

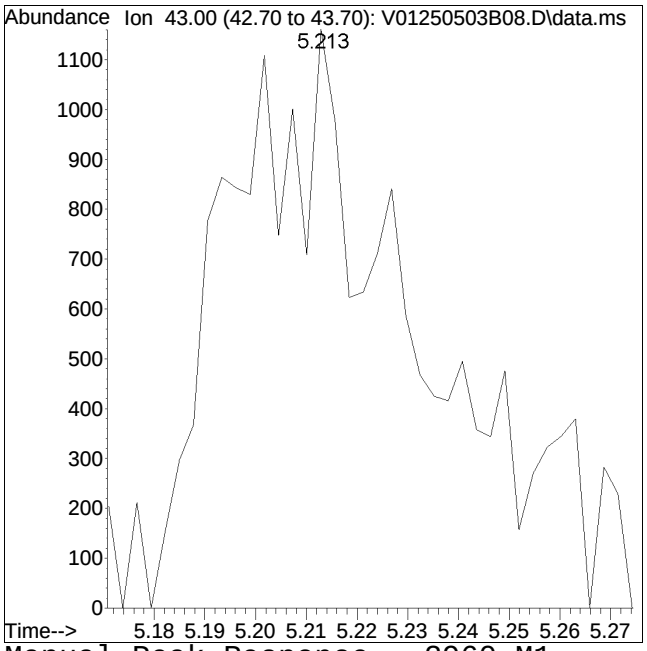
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #39: 2-Butanone



Original Peak Response = 1002



Manual Peak Response = 2960 M1

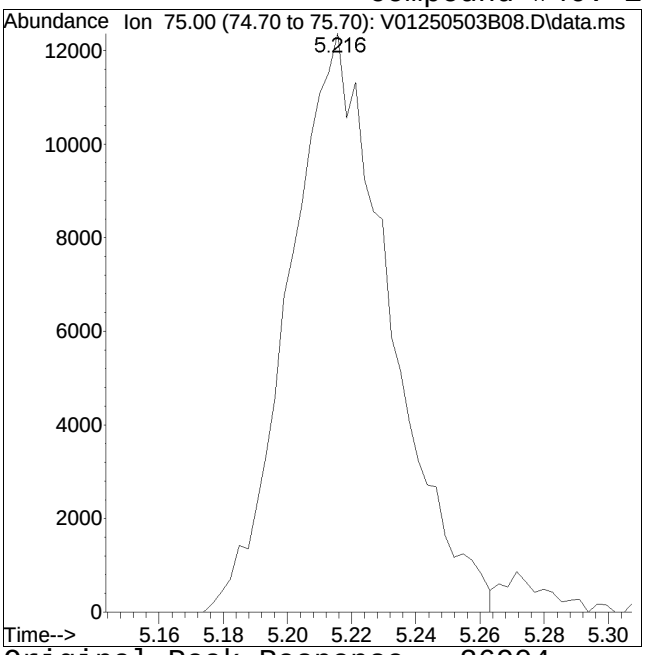
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

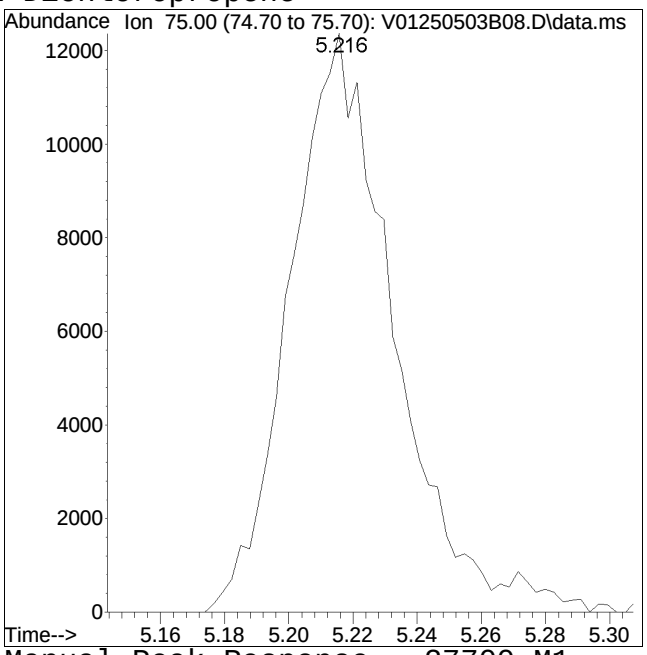
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 26904



Manual Peak Response = 27700 M1

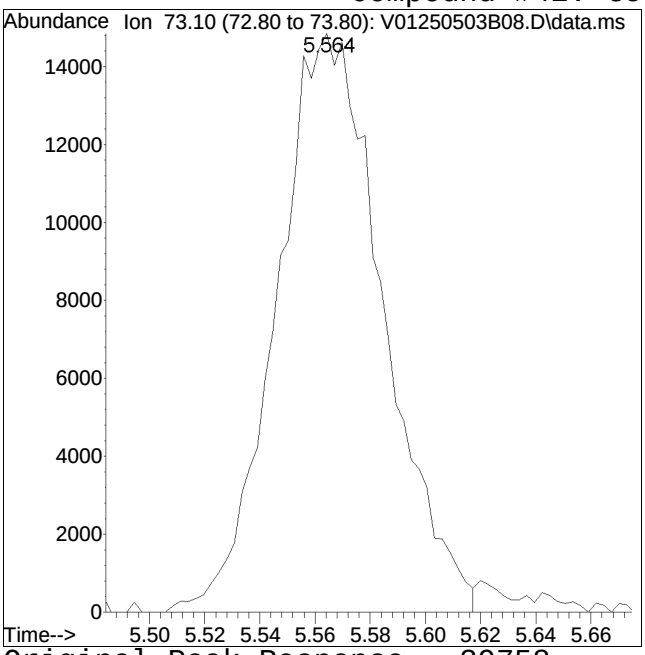
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Manual Integration Report

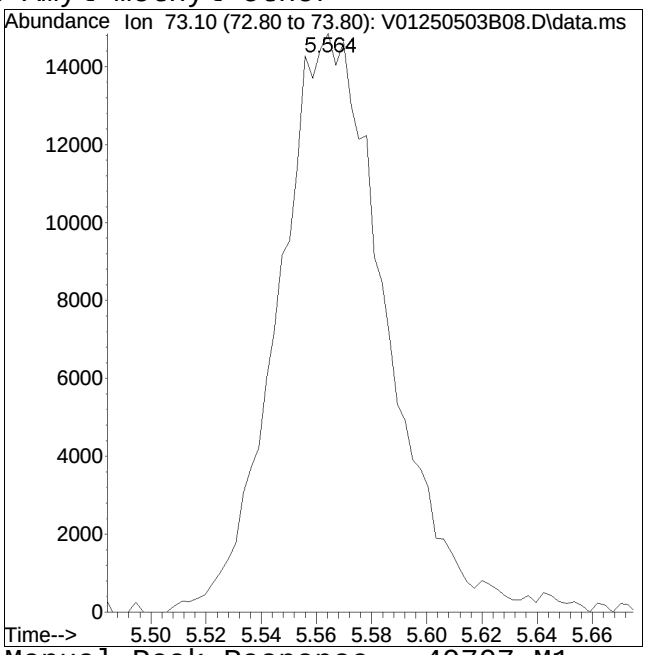
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 39758



Manual Peak Response = 40707 M1

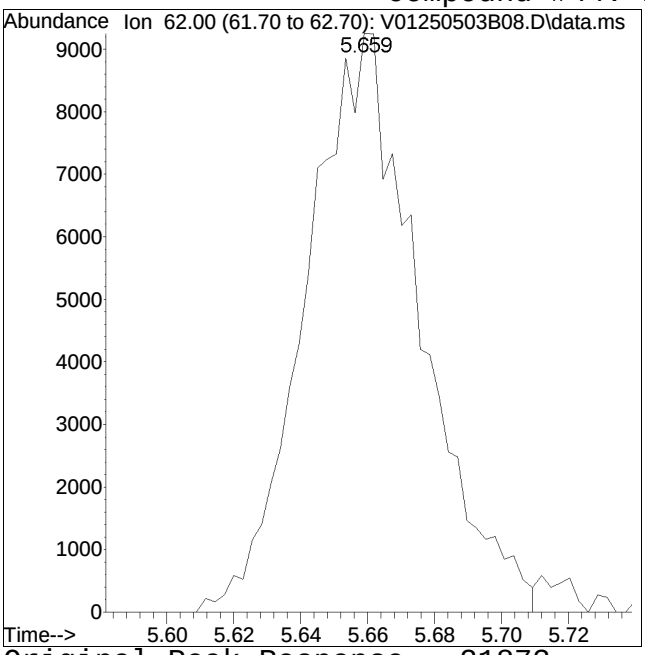
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

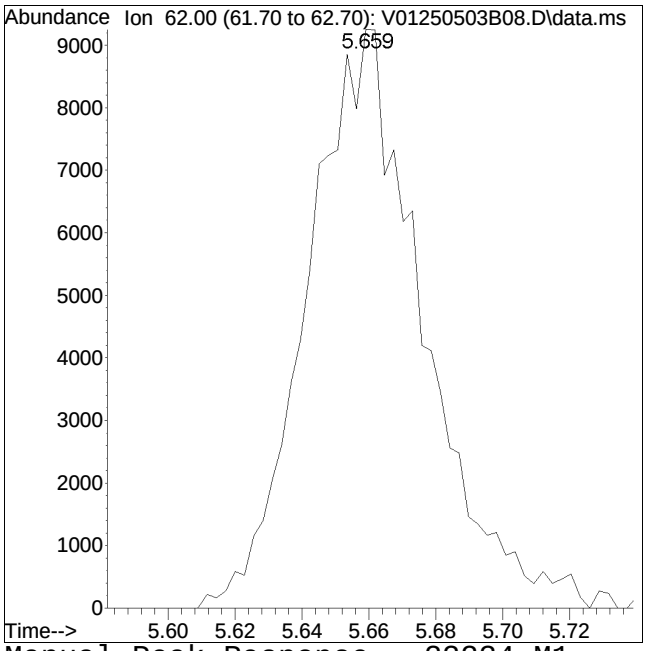
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 21873



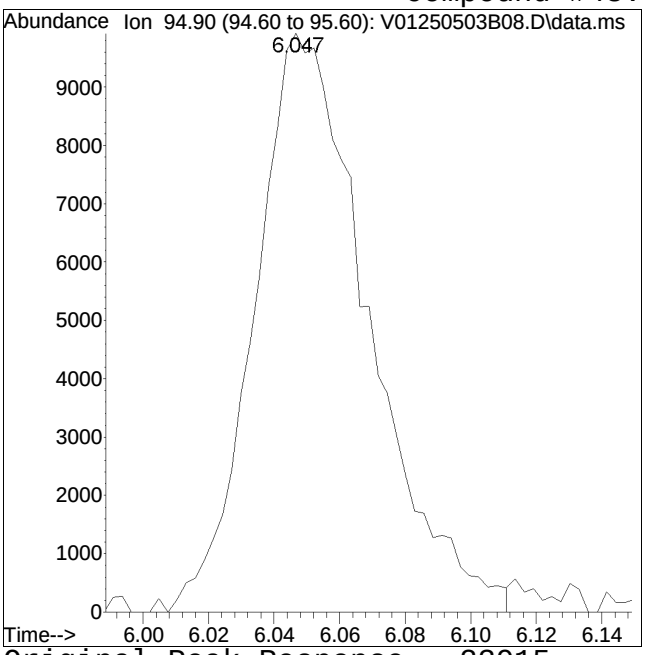
Manual Peak Response = 22234 M1

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

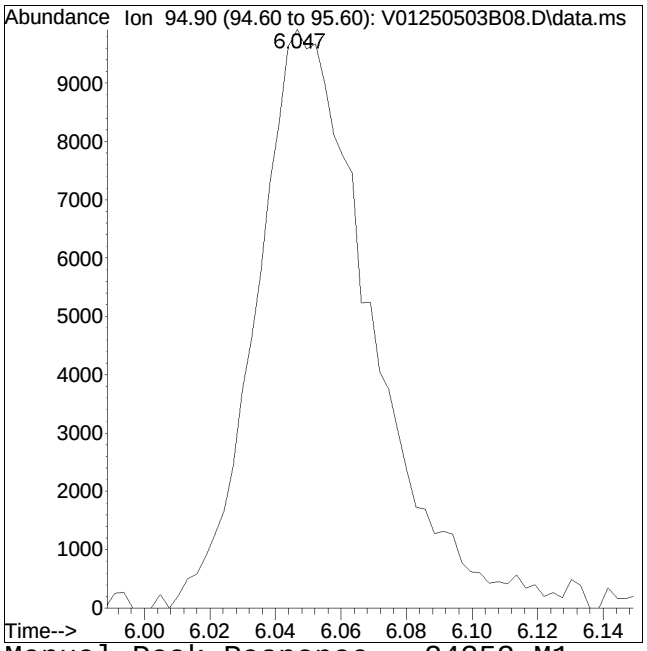
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B08.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 8:17 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 5/4/2025 10:21 am

Compound #48: Trichloroethene



Original Peak Response = 23915



Manual Peak Response = 24353 M1

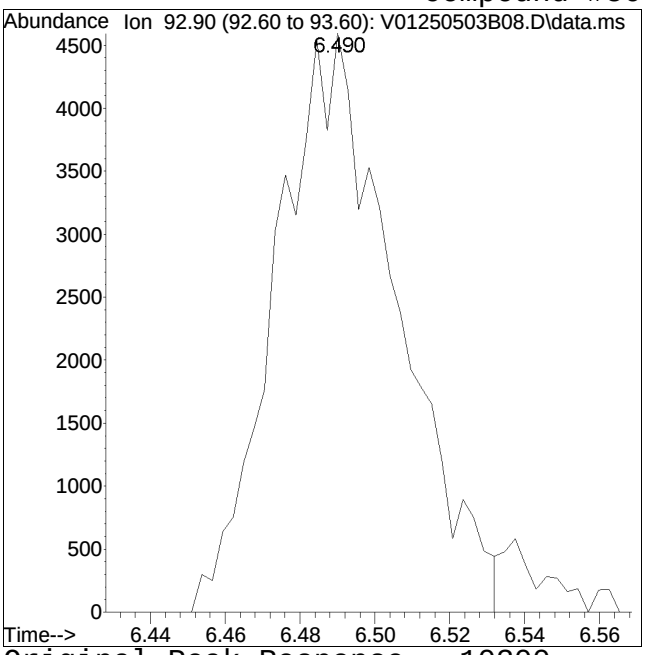
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

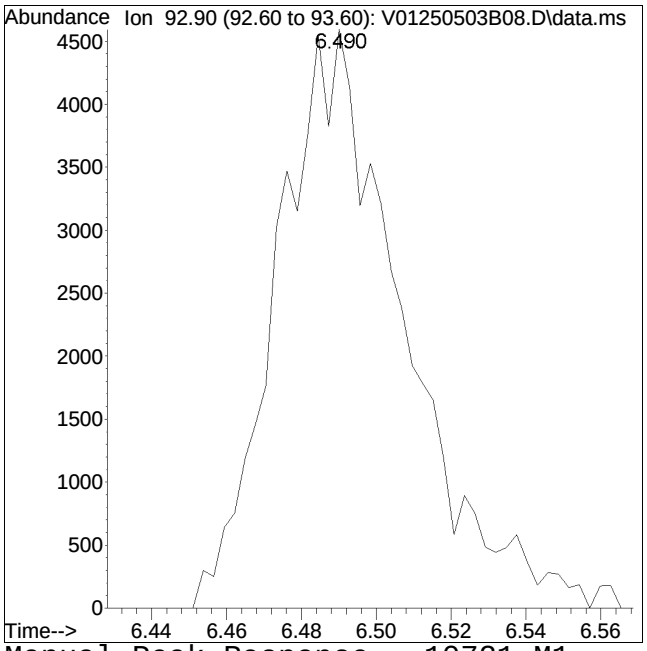
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #50: Dibromomethane



Original Peak Response = 10300



Manual Peak Response = 10721 M1

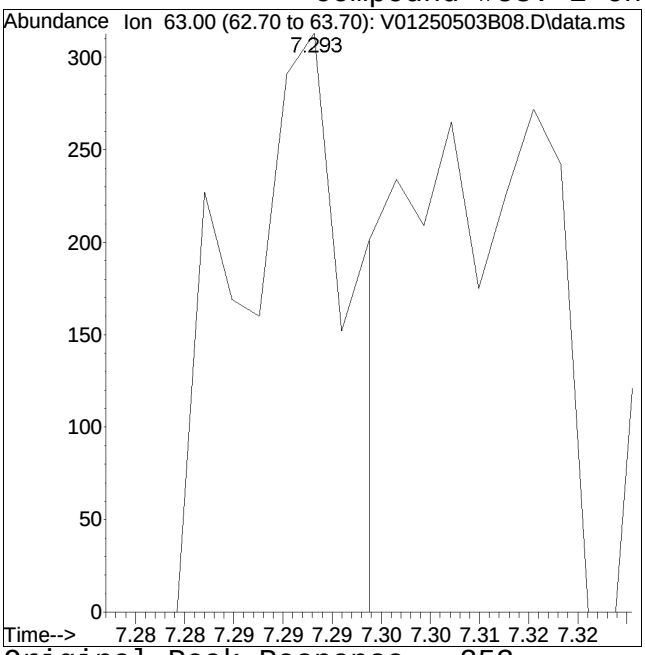
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

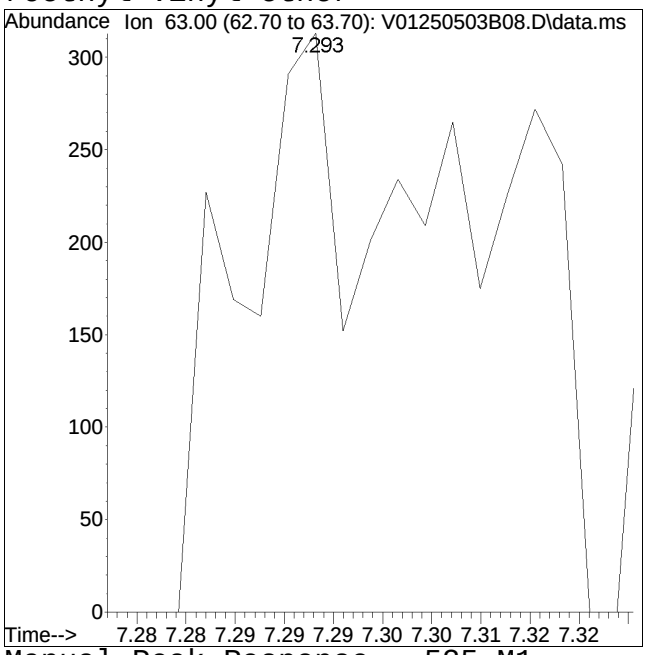
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #53: 2-Chloroethyl vinyl ether



Original Peak Response = 253



Manual Peak Response = 525 M1

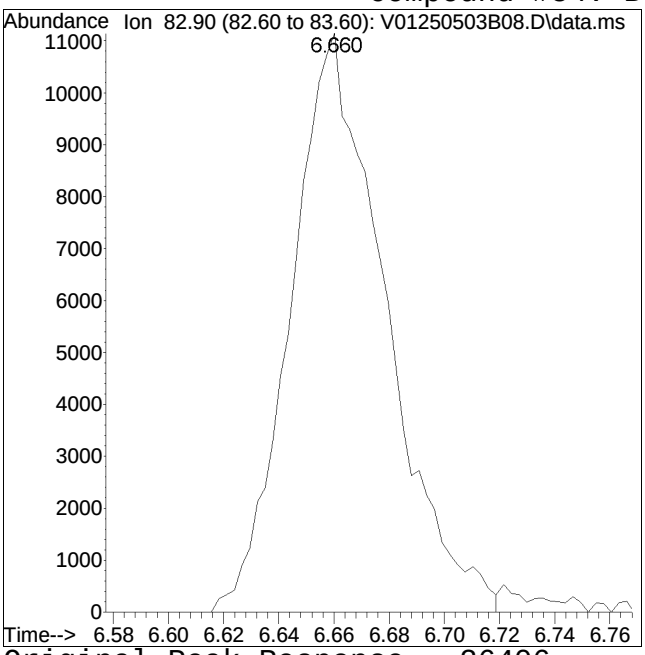
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

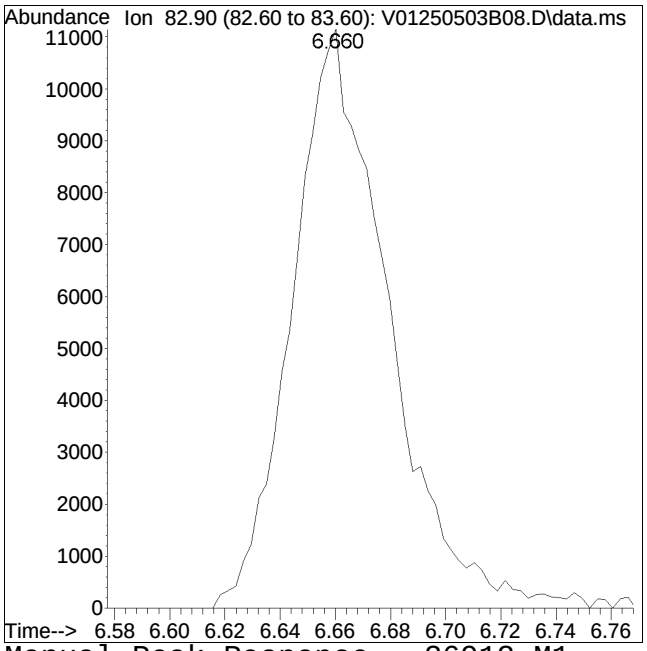
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #54: Bromodichloromethane



Original Peak Response = 26406



Manual Peak Response = 26912 M1

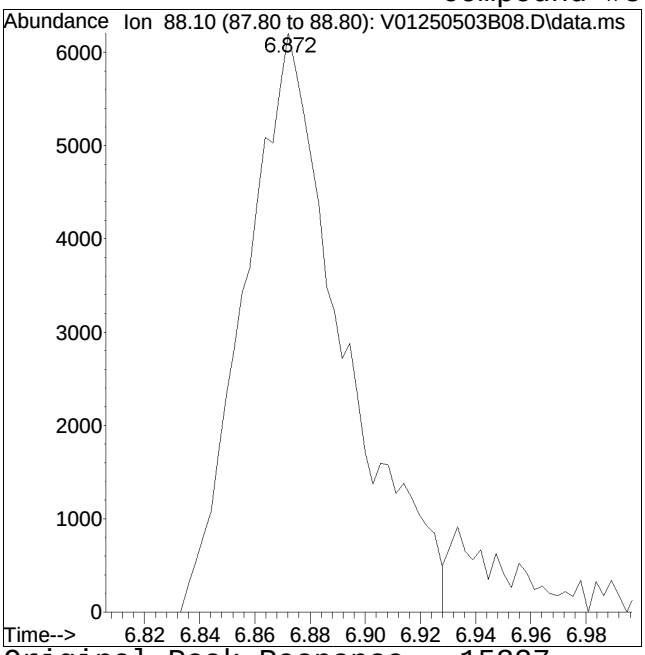
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

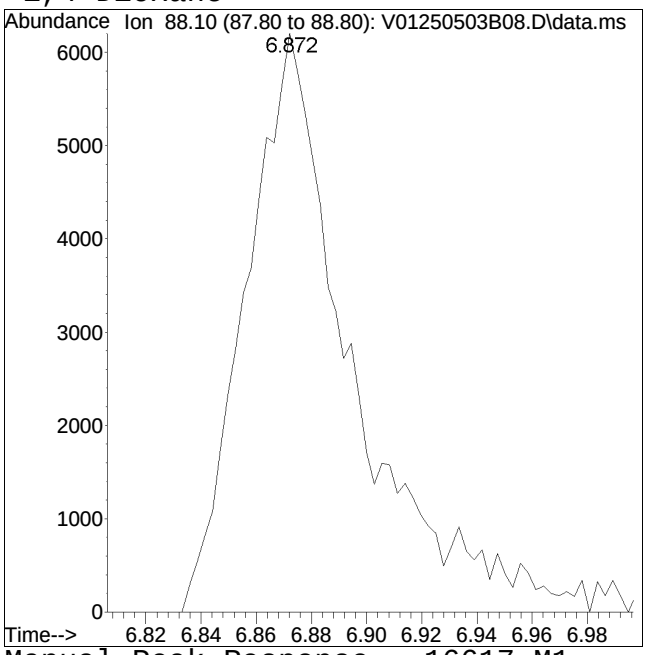
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #57: 1,4-Dioxane



Original Peak Response = 15327



Manual Peak Response = 16617 M1

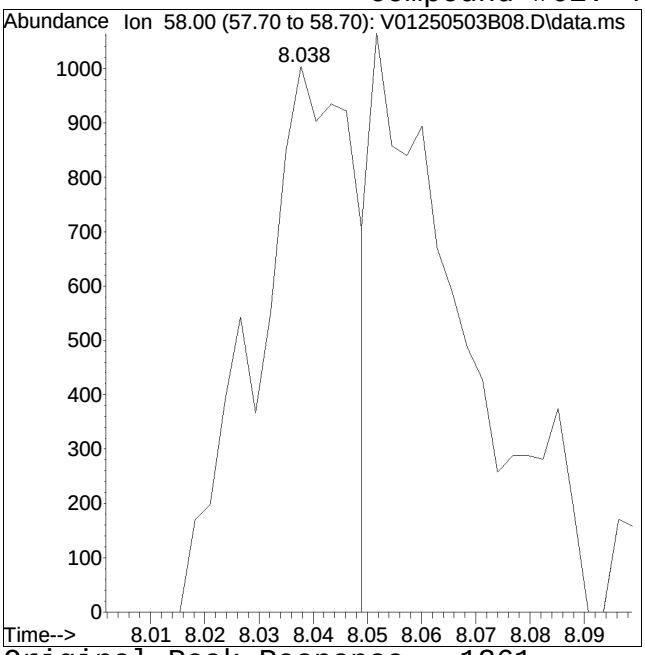
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

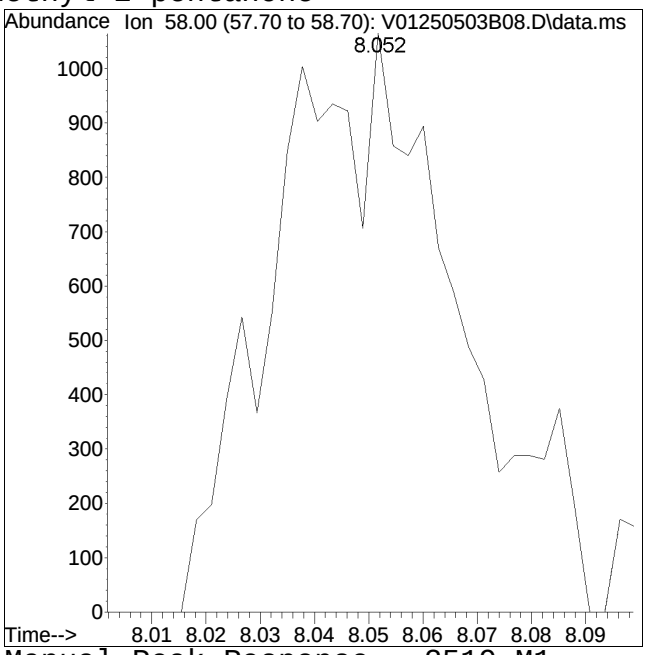
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #62: 4-Methyl-2-pentanone



Original Peak Response = 1261



Manual Peak Response = 2519 M1

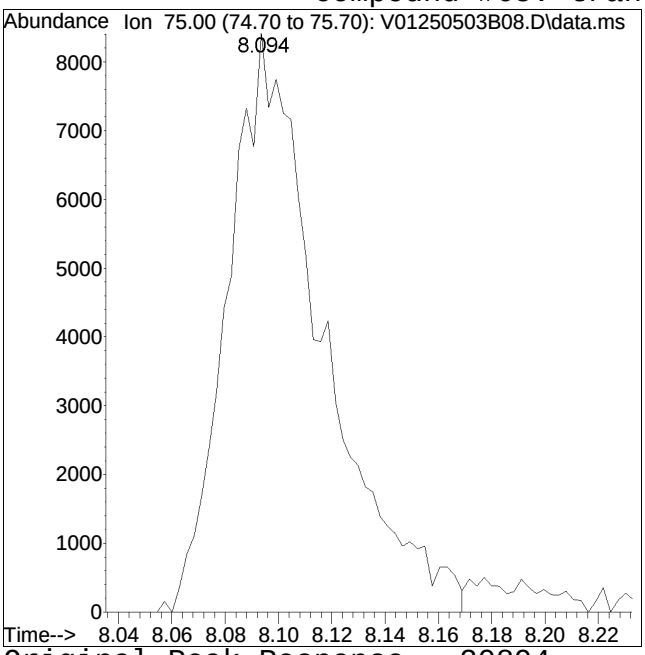
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

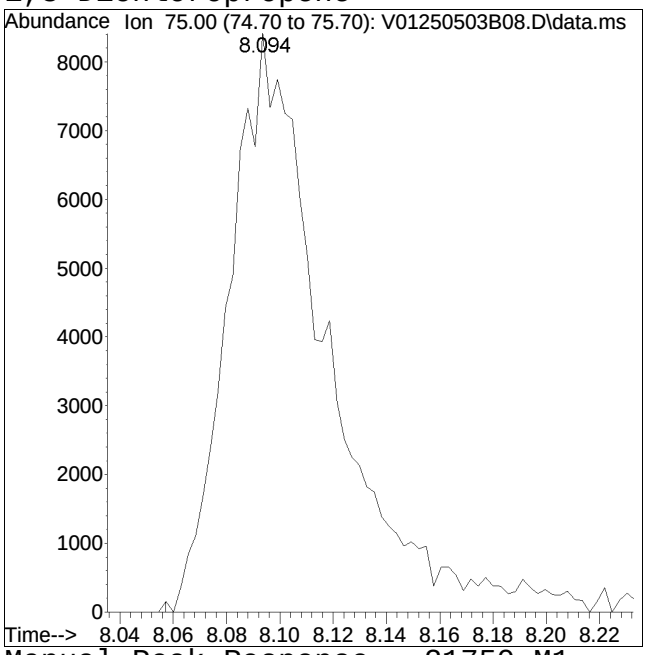
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 20894



Manual Peak Response = 21750 M1

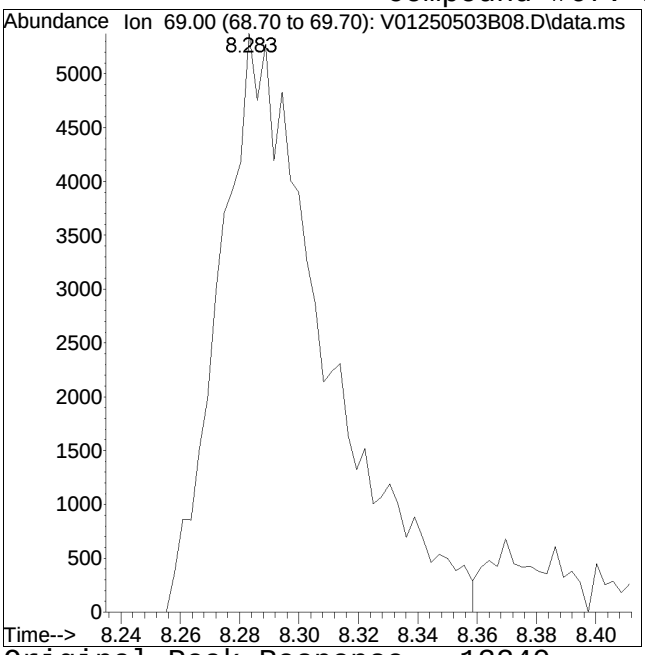
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

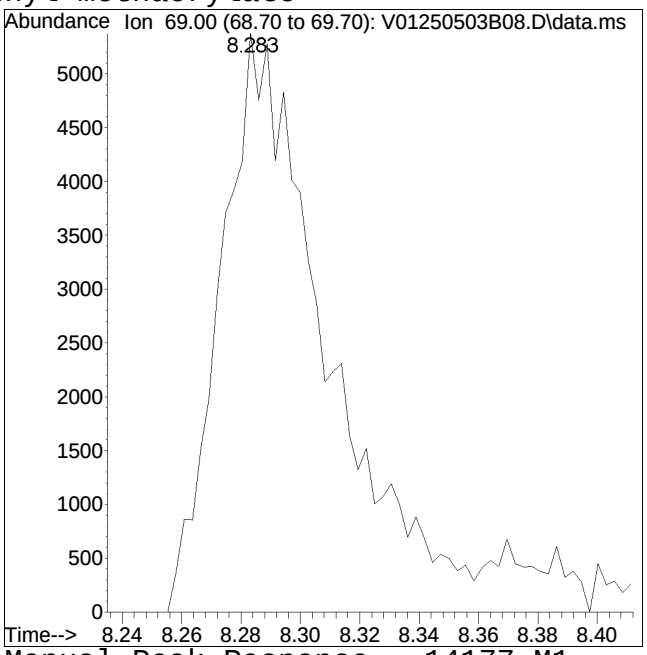
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #67: Ethyl methacrylate



Original Peak Response = 13240



Manual Peak Response = 14177 M1

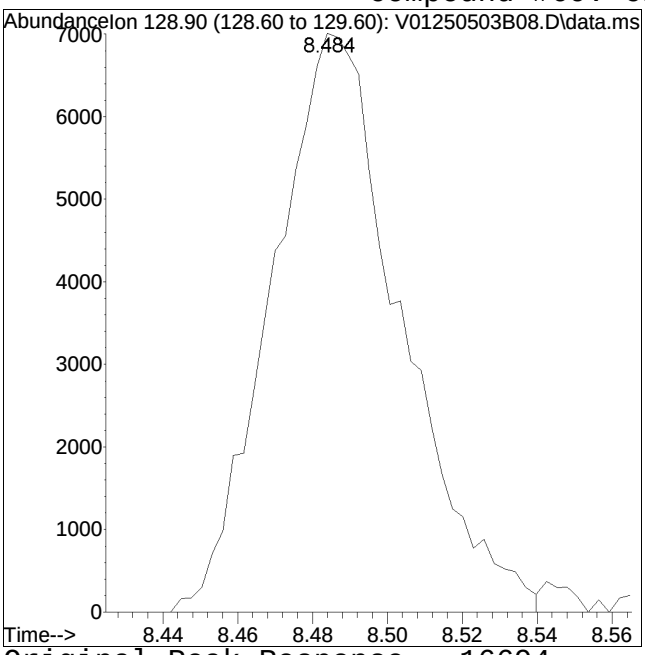
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

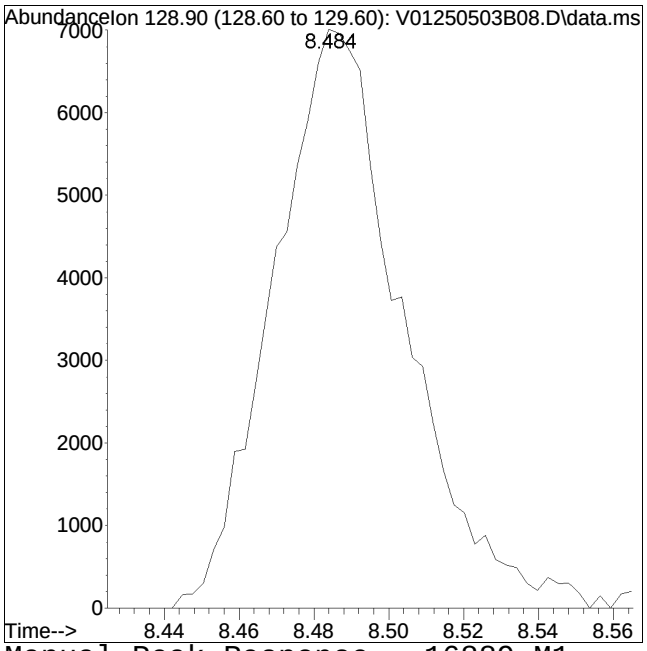
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Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #69: Chlorodibromomethane



Original Peak Response = 16694



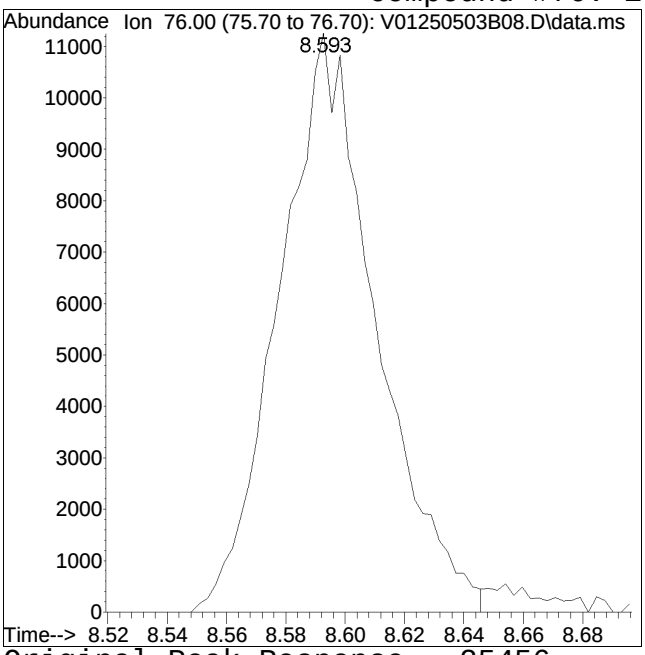
Manual Peak Response = 16889 M1

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

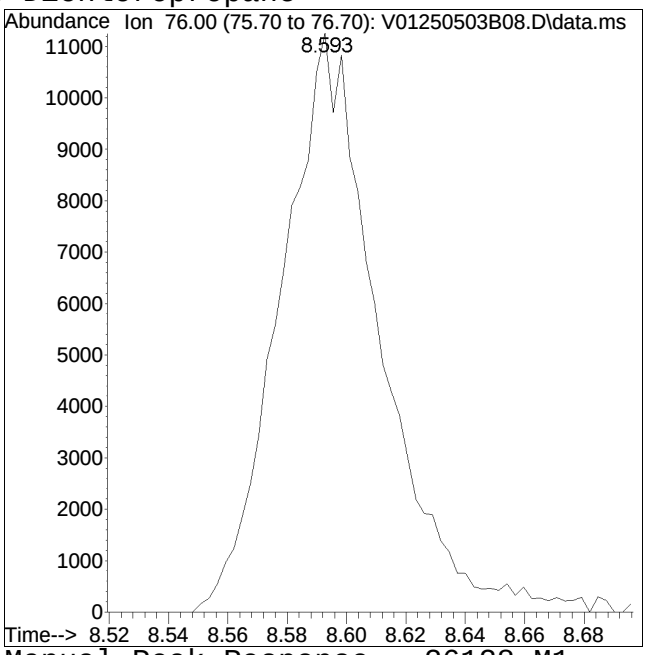
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B08.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 8:17 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 5/4/2025 10:21 am

Compound #70: 1,3-Dichloropropane



Original Peak Response = 25456



Manual Peak Response = 26128 M1

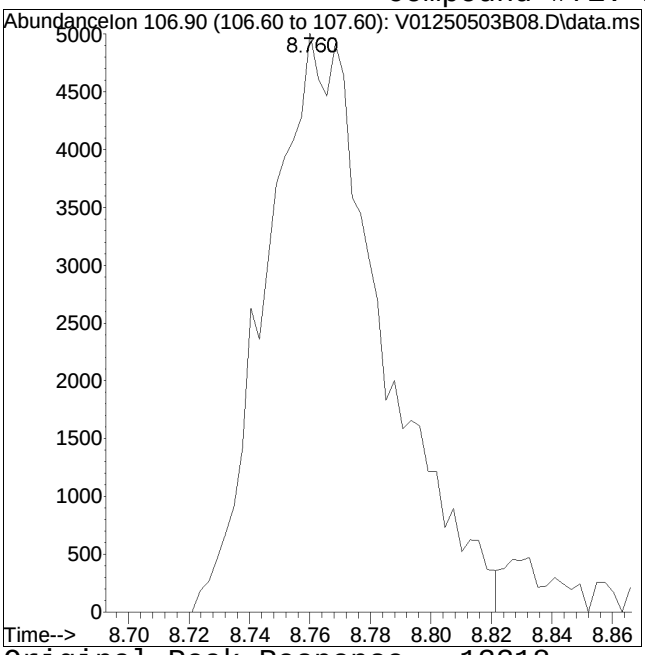
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

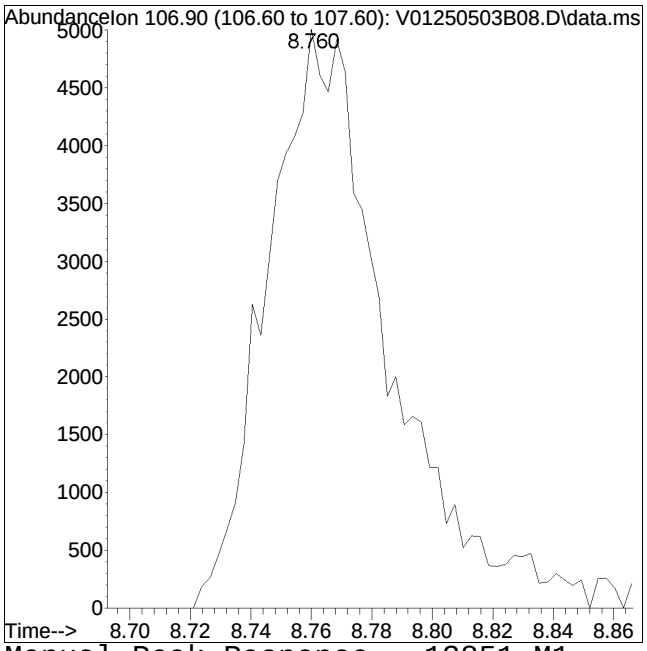
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #71: 1,2-Dibromoethane



Original Peak Response = 13318



Manual Peak Response = 13851 M1

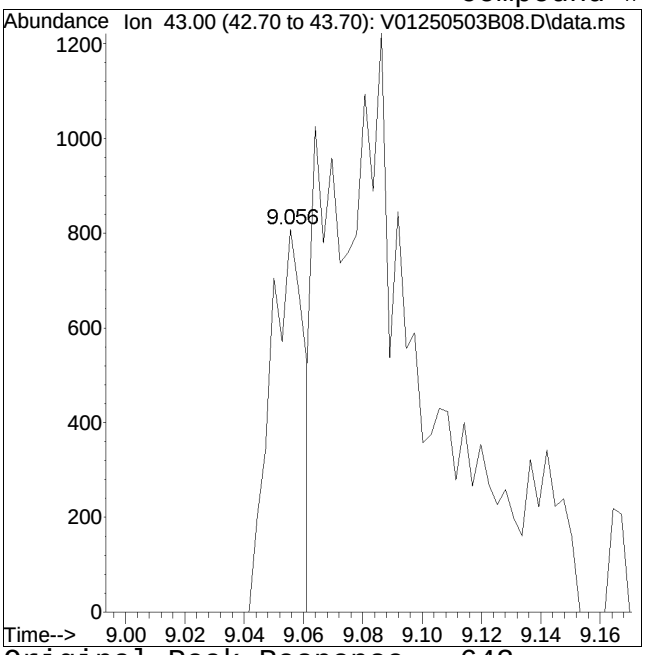
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

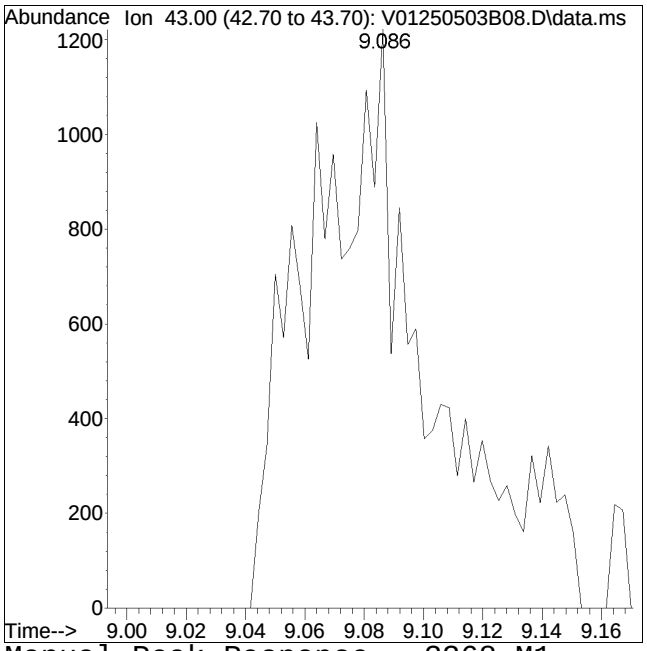
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #72: 2-Hexanone



Original Peak Response = 642



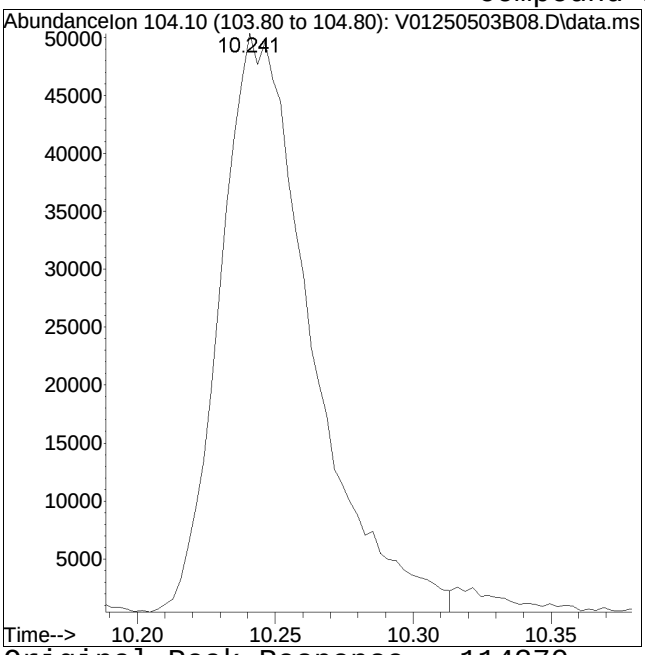
Manual Peak Response = 3368 M1

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

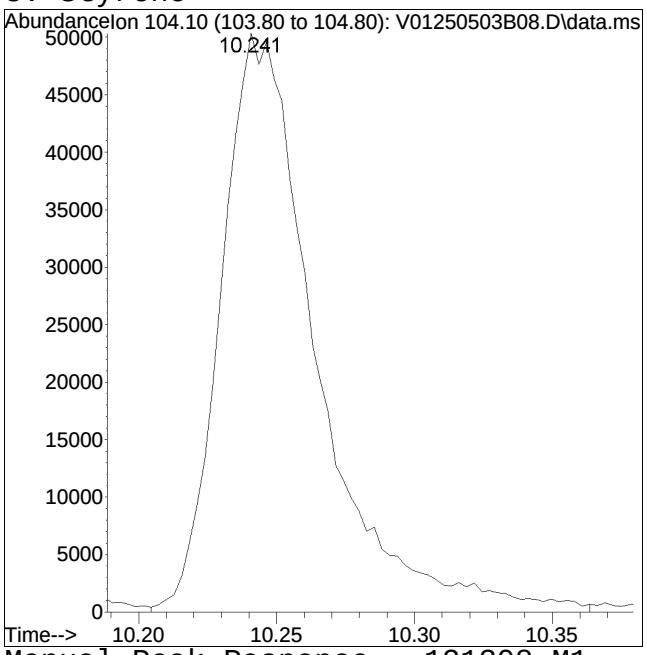
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B08.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 8:17 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 5/4/2025 10:21 am

Compound #78: Styrene



Original Peak Response = 114370



Manual Peak Response = 121308 M1

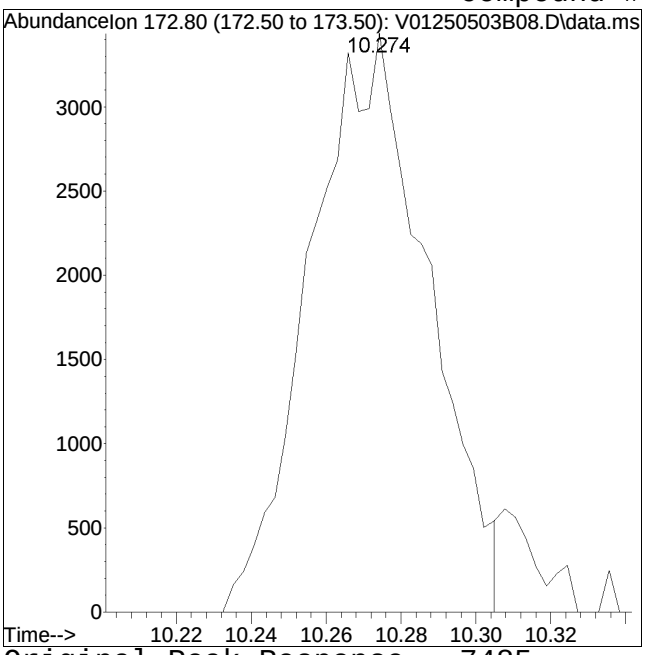
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

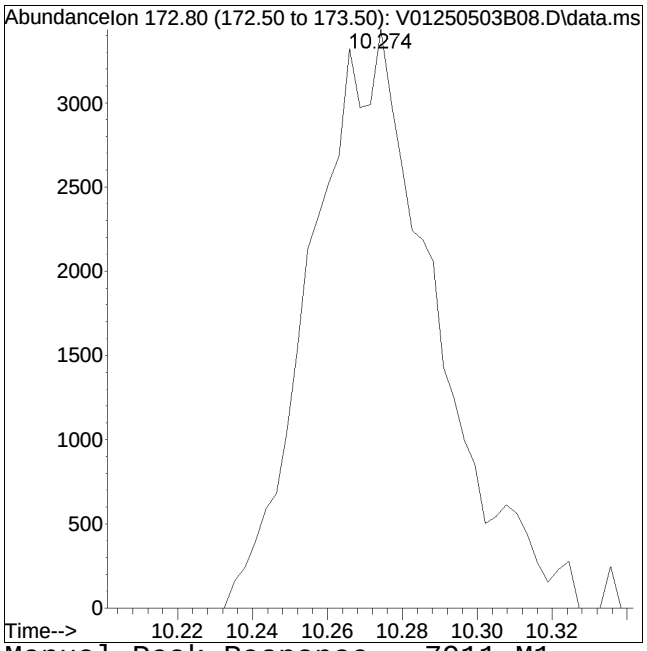
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #80: Bromoform



Original Peak Response = 7485



Manual Peak Response = 7911 M1

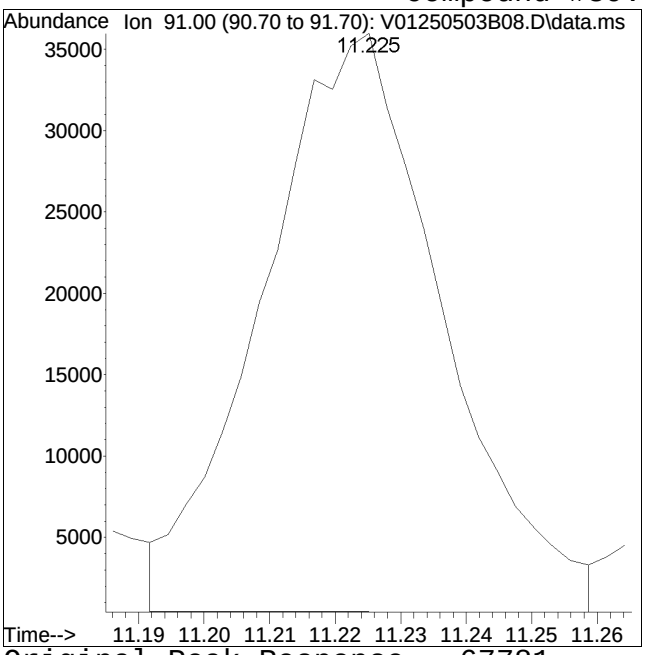
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

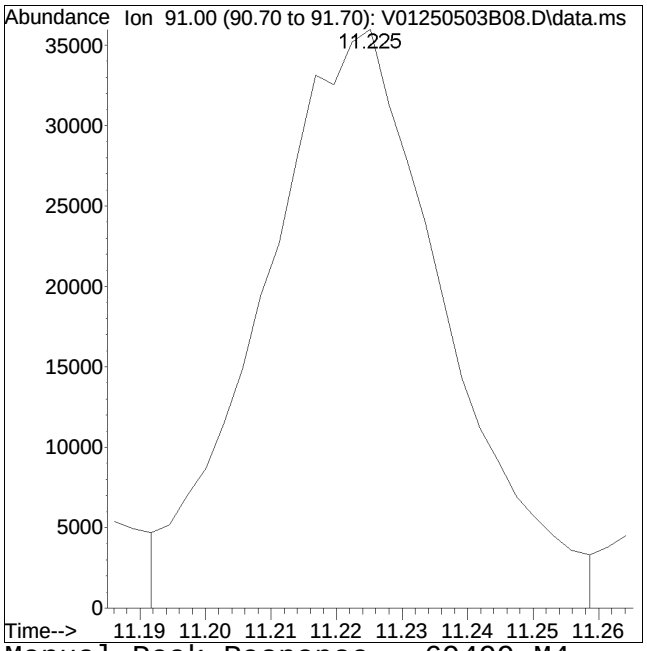
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 67781



Manual Peak Response = 69499 M4

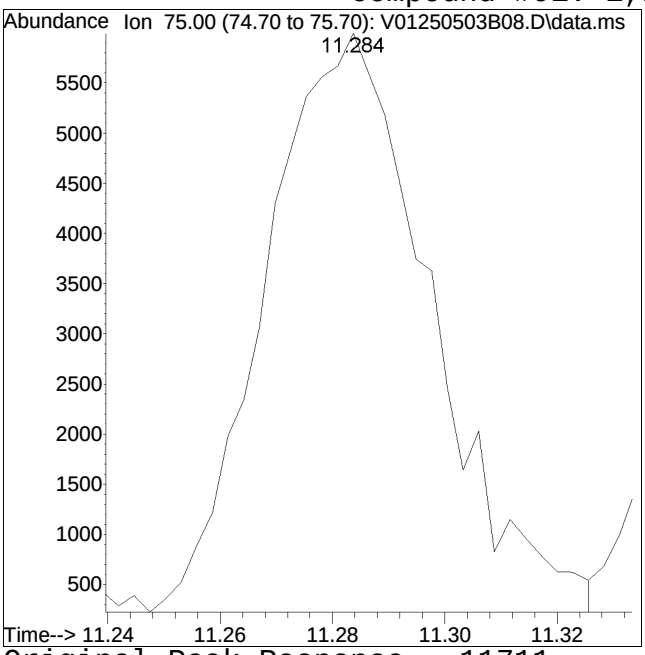
M4 = Poor automated baseline construction.

Manual Integration Report

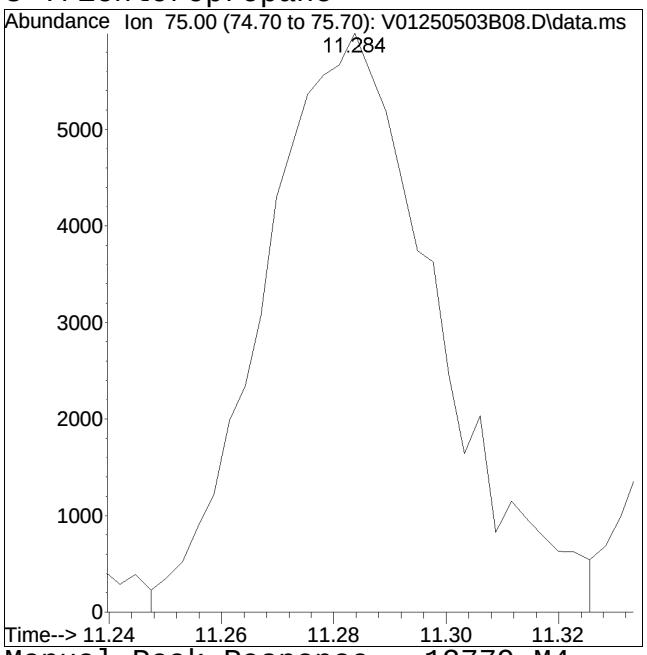
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 11711



Manual Peak Response = 12779 M4

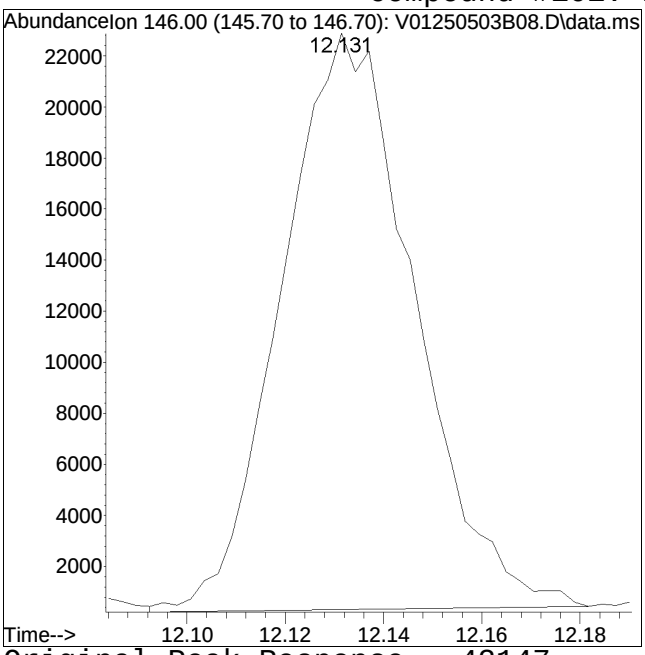
M4 = Poor automated baseline construction.

Manual Integration Report

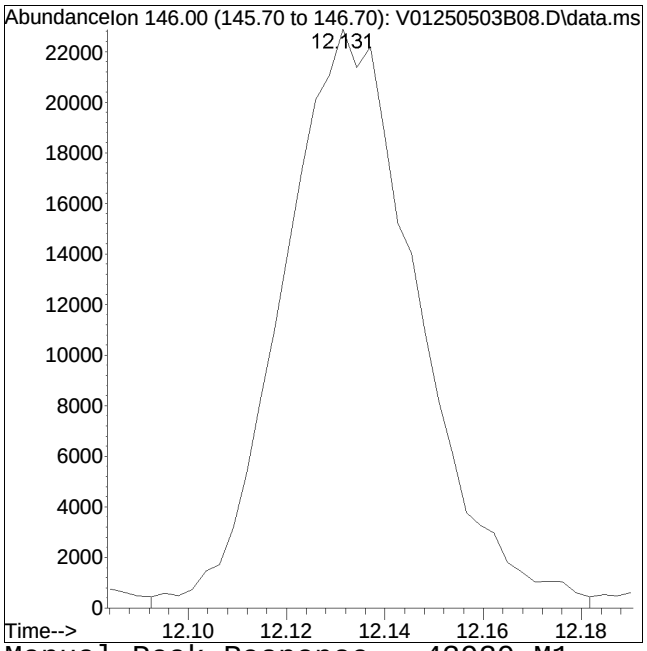
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B08.D
Date Inj'd : 5/3/2025 8:17 am
Sample : I8260STD2PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 10:21 am

Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 42147



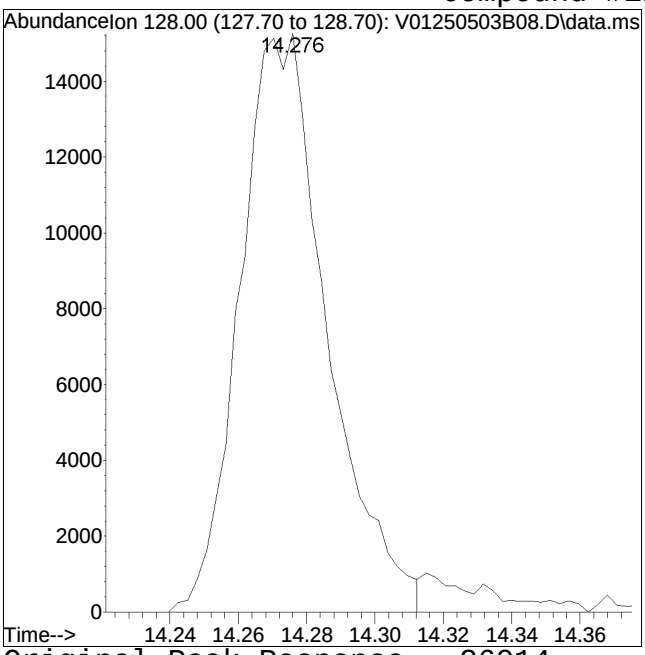
Manual Peak Response = 43930 M1

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

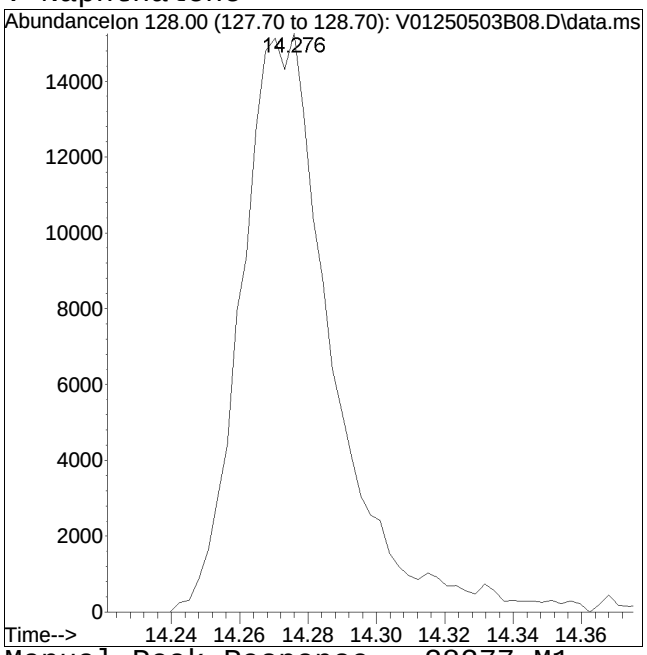
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B08.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 8:17 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 5/4/2025 10:21 am

Compound #110: Naphthalene



Original Peak Response = 26914



Manual Peak Response = 28277 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B09.D
Acq On : 3 May 2025 8:43 am
Operator : VOA101:JIC
Sample : I8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 04 10:05:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 17 07:37:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.863	96	428841	10.000	ug/L	0.00
Standard Area 1 = 428841			Recovery = 100.00%			
59) Chlorobenzene-d5	9.385	117	325723	10.000	ug/L	0.00
Standard Area 1 = 325723			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.115	152	172502	10.000	ug/L	0.00
Standard Area 1 = 172502			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	113986	10.174	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.74%			
43) 1,2-Dichloroethane-d4	5.584	65	113074	8.596	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.96%			
60) Toluene-d8	7.544	98	454816	10.550	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.50%			
83) 4-Bromofluorobenzene	10.893	95	162581	9.386	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.607	85	137076	10.446	ug/L #	95
3) Chloromethane	1.788	50	69969	4.064	ug/L	98
4) Vinyl chloride	1.858	62	110934	7.096	ug/L	98
5) Bromomethane	2.156	94	26068	4.343	ug/L	99
6) Chloroethane	2.268	64	64617	8.334	ug/L	94
7) Trichlorofluoromethane	2.402	101	158213	11.400	ug/L	99
8) Ethyl ether	2.689	74	45565	9.818	ug/L #	48
10) 1,1-Dichloroethene	2.870	96	96966	10.503	ug/L #	66
11) Carbon disulfide	2.898	76	311878	10.360	ug/L	100
12) Freon-113	2.904	101	103141	10.846	ug/L	92
14) Acrolein	3.185	56	7746M1	5.516	ug/L	
15) Methylene chloride	3.409	84	104939	9.329	ug/L #	58
17) Acetone	3.456	43	10604M1	2.908	ug/L	
18) trans-1,2-Dichloroethene	3.556	96	103649	9.919	ug/L	76
19) Methyl acetate	3.568	43	25185	5.058	ug/L #	75
20) Methyl tert-butyl ether	3.651	73	209542	8.277	ug/L #	81
21) tert-Butyl alcohol	3.752	59	14211M1	18.495	ug/L	
22) Diisopropyl ether	4.003	45	211472	5.017	ug/L #	88
23) 1,1-Dichloroethane	4.122	63	179319	7.738	ug/L	94
24) Halothane	4.178	117	79162	10.065	ug/L	100
25) Acrylonitrile	4.173	53	14189M1	5.053	ug/L	

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B09.D
Acq On : 3 May 2025 8:43 am
Operator : VOA101:JIC
Sample : I8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 04 10:05:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 17 07:37:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.343	59	213877	5.711	ug/L	#	82
27) Vinyl acetate	4.359	43	98814	7.724	ug/L	#	83
28) cis-1,2-Dichloroethene	4.636	96	114940	9.969	ug/L	#	74
29) 2,2-Dichloropropane	4.730	77	137120	8.725	ug/L		81
30) Bromochloromethane	4.828	128	50349	9.685	ug/L	#	60
31) Cyclohexane	4.828	56	152182	6.283	ug/L	#	42
32) Chloroform	4.895	83	184604	9.524	ug/L	#	90
33) Ethyl acetate	5.012	43	37853M1	4.978	ug/L		
34) Carbon tetrachloride	5.026	117	145707	9.534	ug/L		99
35) Tetrahydrofuran	5.059	42	11199M1	4.664	ug/L		
37) 1,1,1-Trichloroethane	5.085	97	163135	9.677	ug/L		92
39) 2-Butanone	5.191	43	14496M1	4.434	ug/L		
40) 1,1-Dichloropropene	5.213	75	141010	10.244	ug/L		99
41) Benzene	5.453	78	429345	10.011	ug/L	#	85
42) tert-Amyl methyl ether	5.561	73	207541	8.000	ug/L		93
44) 1,2-Dichloroethane	5.651	62	109537	7.431	ug/L		96
47) Methyl cyclohexane	6.035	83	195350	10.490	ug/L	#	58
48) Trichloroethene	6.044	95	113248	9.967	ug/L		98
50) Dibromomethane	6.482	93	52681	9.229	ug/L		100
51) 1,2-Dichloropropane	6.576	63	98957	7.640	ug/L	#	93
53) 2-Chloroethyl vinyl ether	7.276	63	3539M5	4.510	ug/L		
54) Bromodichloromethane	6.657	83	135570	9.155	ug/L		99
57) 1,4-Dioxane	6.875	88	20663M1	311.440	ug/L		
58) cis-1,3-Dichloropropene	7.341	75	150398	9.050	ug/L	#	78
61) Toluene	7.603	92	276451	10.407	ug/L		99
62) 4-Methyl-2-pentanone	8.038	58	14971	5.005	ug/L	#	83
63) Tetrachloroethene	8.049	166	116964	10.615	ug/L		97
65) trans-1,3-Dichloropropene	8.085	75	119225	9.060	ug/L	#	78
67) Ethyl methacrylate	8.275	69	84266	8.489	ug/L		94
68) 1,1,2-Trichloroethane	8.269	83	66352	9.843	ug/L		97
69) Chlorodibromomethane	8.481	129	90127	9.025	ug/L		100
70) 1,3-Dichloropropane	8.590	76	133811	9.633	ug/L		99
71) 1,2-Dibromoethane	8.757	107	71017	9.327	ug/L		98
72) 2-Hexanone	9.050	43	21391M1	Below Cal			
73) Chlorobenzene	9.401	112	302596	9.974	ug/L		99
74) Ethylbenzene	9.438	91	532273	10.283	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.485	131	100556	9.321	ug/L		99
76) p/m Xylene	9.624	106	409544	20.606	ug/L		99
77) o Xylene	10.168	106	396558	20.583	ug/L		98
78) Styrene	10.238	104	636081	20.174	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B09.D
Acq On : 3 May 2025 8:43 am
Operator : VOA101:JIC
Sample : I8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 04 10:05:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 17 07:37:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.266	173	44832	8.190	ug/L	100
82) Isopropylbenzene	10.561	105	528293	9.931	ug/L	100
84) Bromobenzene	11.005	156	114139	9.645	ug/L	100
85) n-Propylbenzene	11.049	91	621343	10.059	ug/L	99
86) 1,4-Dichlorobutane	11.066	55	93533	5.395	ug/L	95
87) 1,1,2,2-Tetrachloroethane	11.141	83	83056	8.971	ug/L	99
88) 4-Ethyltoluene	11.178	105	508317	9.935	ug/L	99
89) 2-Chlorotoluene	11.220	91	355298	9.510	ug/L	99
90) 1,3,5-Trimethylbenzene	11.275	105	419388	9.763	ug/L	99
91) 1,2,3-Trichloropropane	11.281	75	66056M4	9.208	ug/L	
92) trans-1,4-Dichloro-2-b...	11.331	53	13218M4	4.562	ug/L	
93) 4-Chlorotoluene	11.406	91	363628	9.612	ug/L	99
94) tert-Butylbenzene	11.621	119	356454	9.877	ug/L	99
97) 1,2,4-Trimethylbenzene	11.702	105	403844	9.752	ug/L	100
98) sec-Butylbenzene	11.814	105	521446	10.128	ug/L	99
99) p-Isopropyltoluene	11.967	119	429449	9.858	ug/L	99
100) 1,3-Dichlorobenzene	12.037	146	217755	9.945	ug/L	99
101) 1,4-Dichlorobenzene	12.131	146	217832	9.834	ug/L	99
102) p-Diethylbenzene	12.346	119	240056	9.748	ug/L	100
103) n-Butylbenzene	12.405	91	350982	9.975	ug/L	99
104) 1,2-Dichlorobenzene	12.558	146	190349	9.839	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.144	119	317801	9.169	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.339	155	8613	7.391	ug/L	98
107) 1,3,5-Trichlorobenzene	13.372	180	112647	9.554	ug/L	98
108) Hexachlorobutadiene	13.947	225	39004	9.446	ug/L	98
109) 1,2,4-Trichlorobenzene	13.978	180	88282	9.172	ug/L	99
110) Naphthalene	14.268	128	162269	8.058	ug/L	100
111) 1,2,3-Trichlorobenzene	14.435	180	64927	8.636	ug/L	100

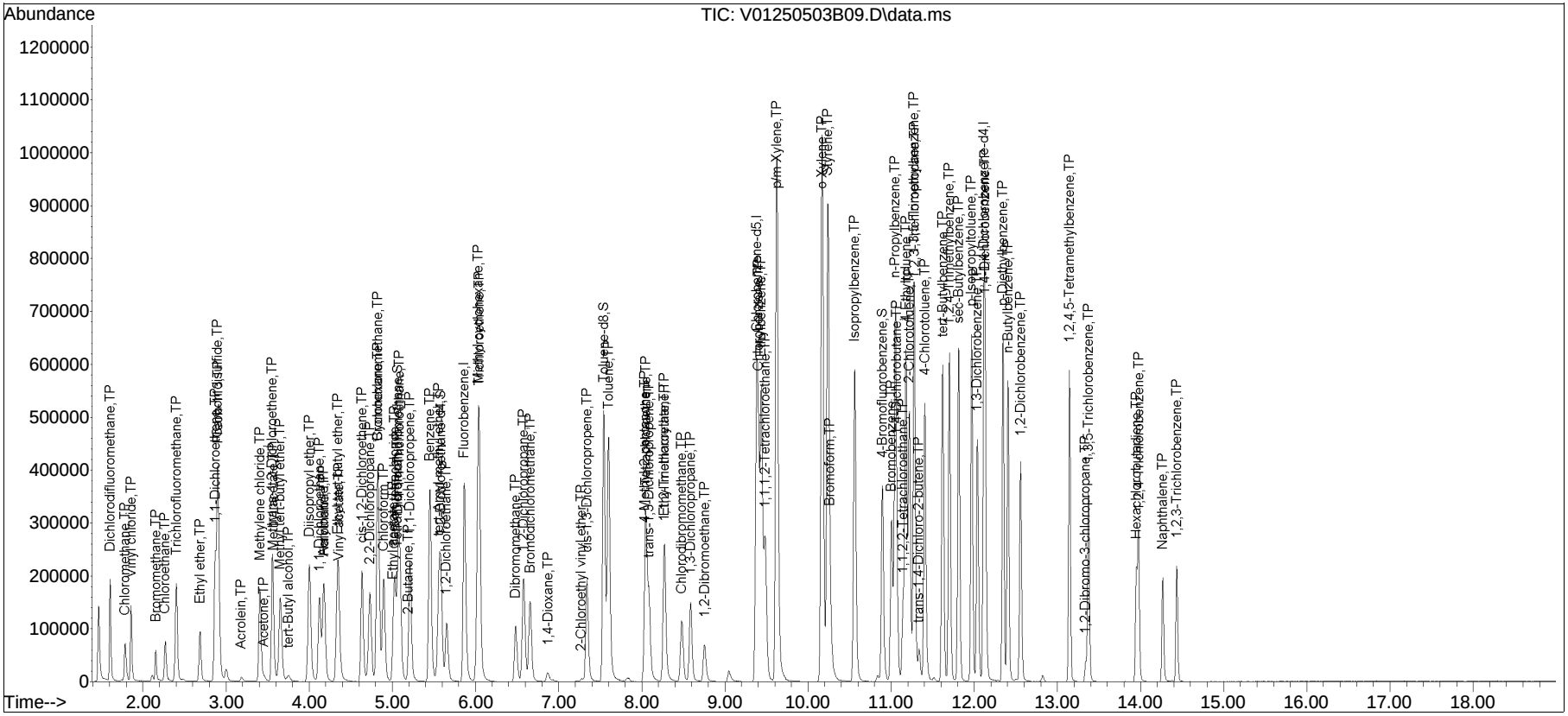
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B09.D
Acq On : 3 May 2025 8:43 am
Operator : VOA101:JIC
Sample : I8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 04 10:05:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 17 07:37:44 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

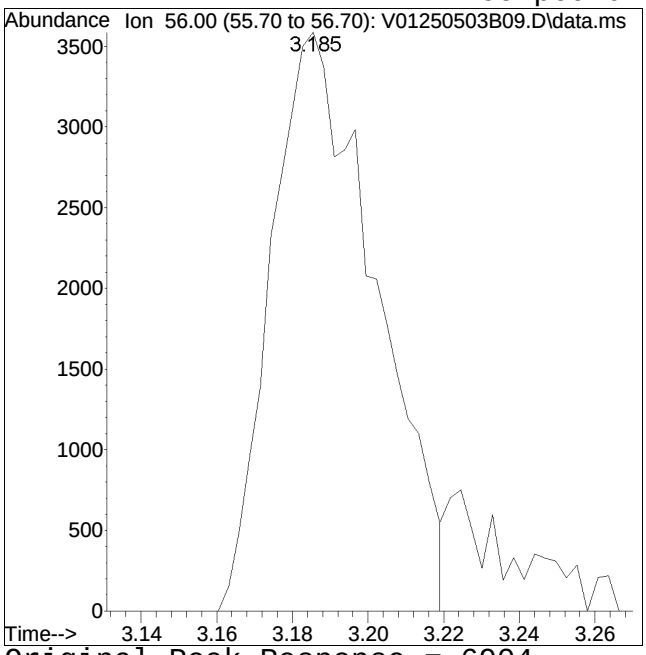


Manual Integration Report

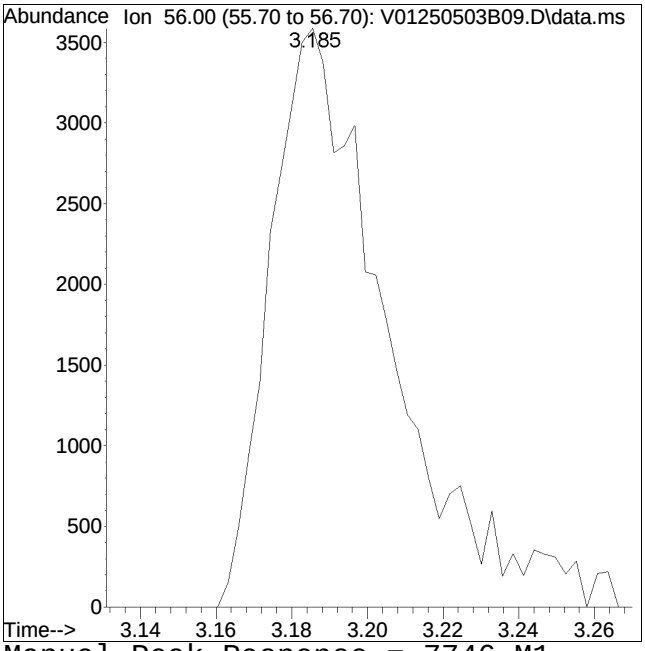
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Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #14: Acrolein



Original Peak Response = 6904



Manual Peak Response = 7746 M1

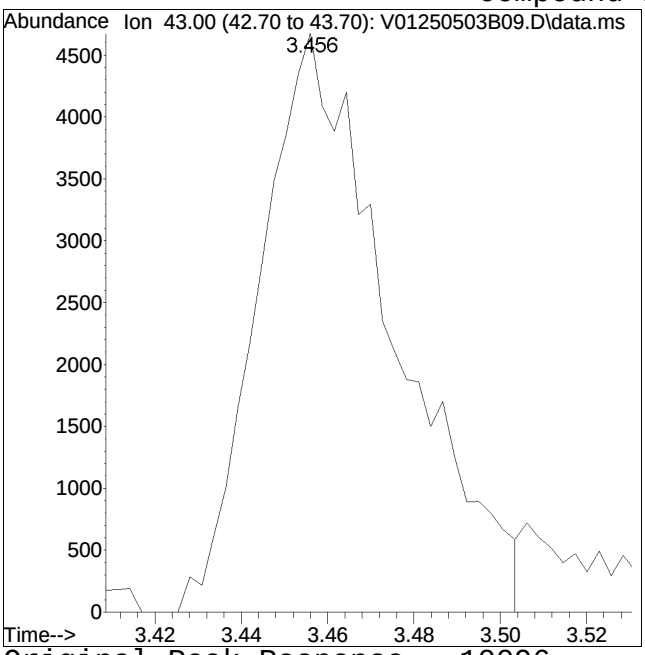
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

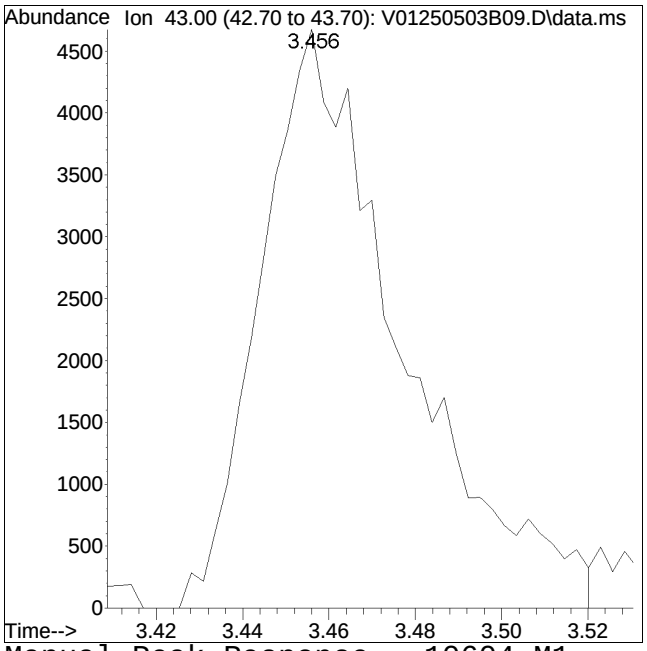
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Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #17: Acetone



Original Peak Response = 10096



Manual Peak Response = 10604 M1

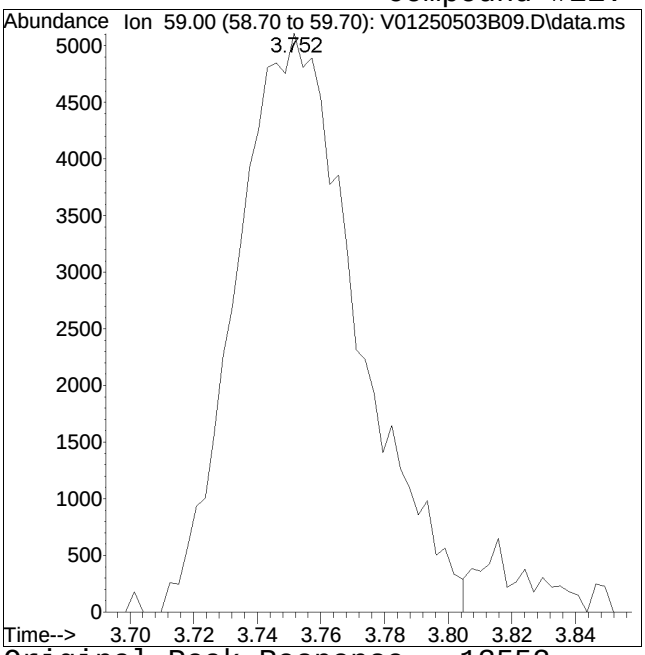
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

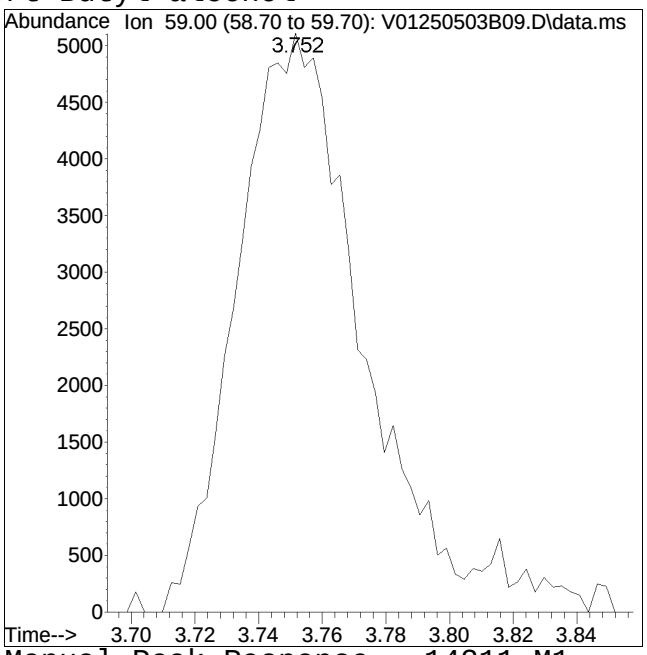
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Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 13552



Manual Peak Response = 14211 M1

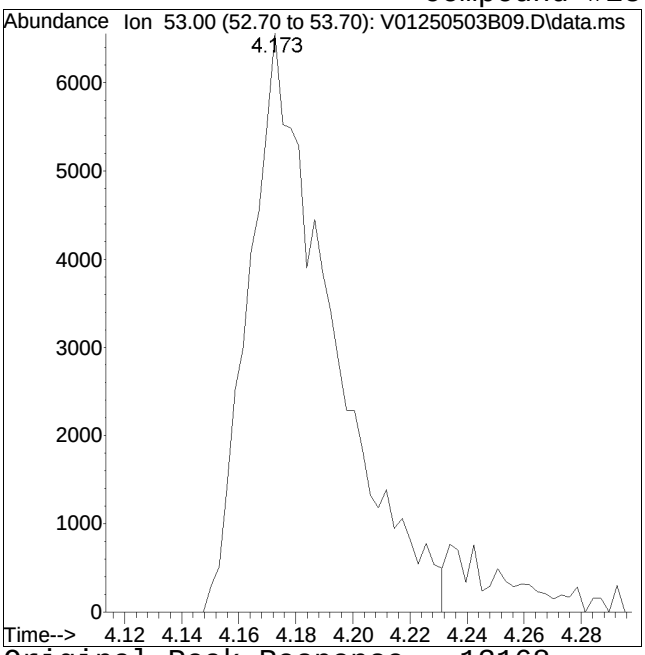
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

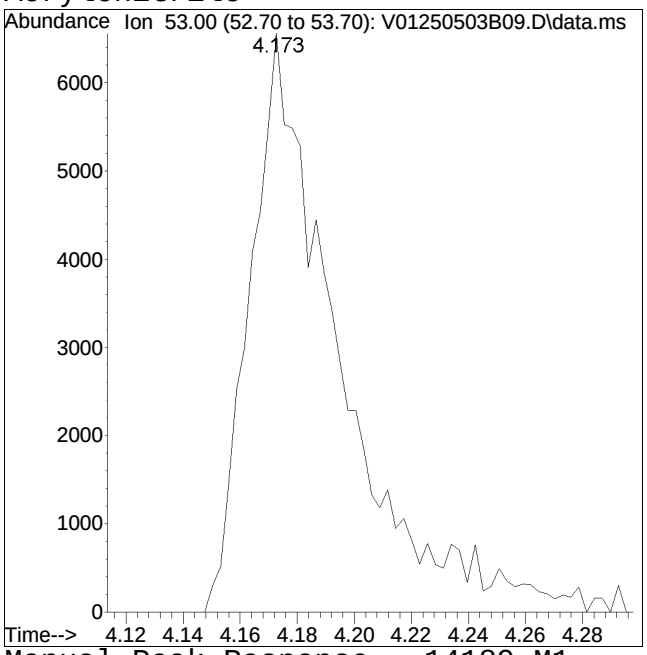
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Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #25: Acrylonitrile



Original Peak Response = 13168



Manual Peak Response = 14189 M1

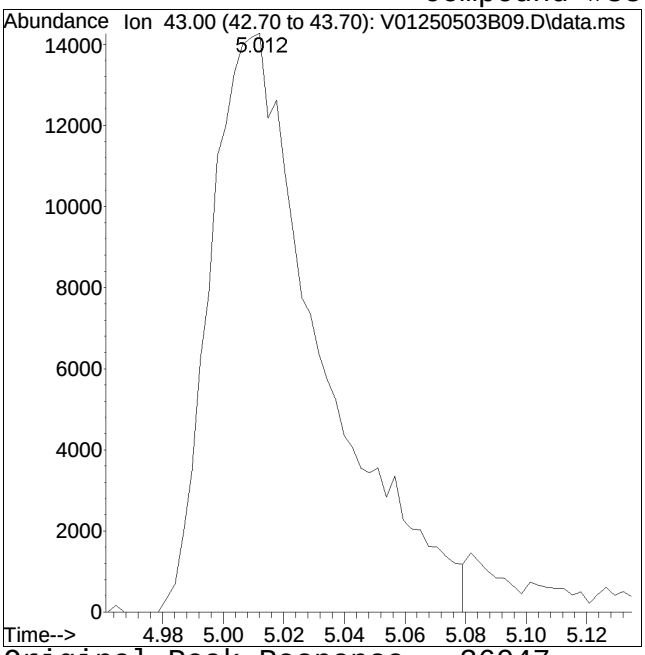
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

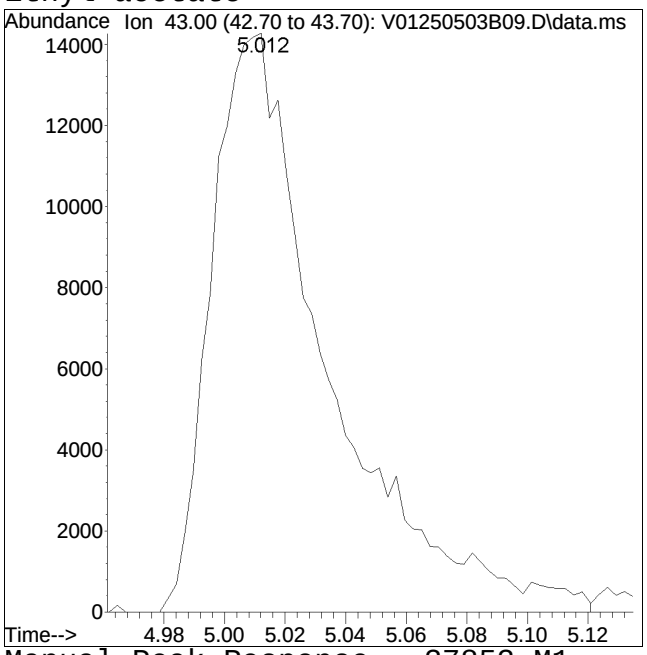
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Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #33: Ethyl acetate



Original Peak Response = 36047



Manual Peak Response = 37853 M1

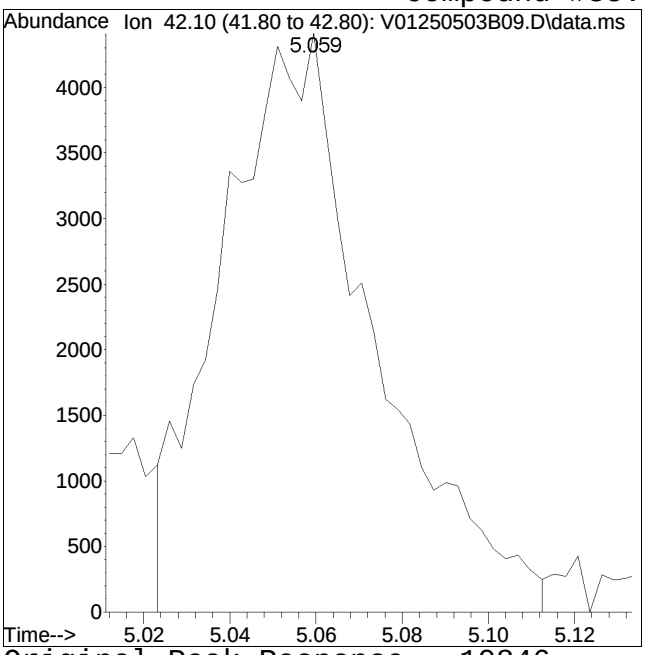
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

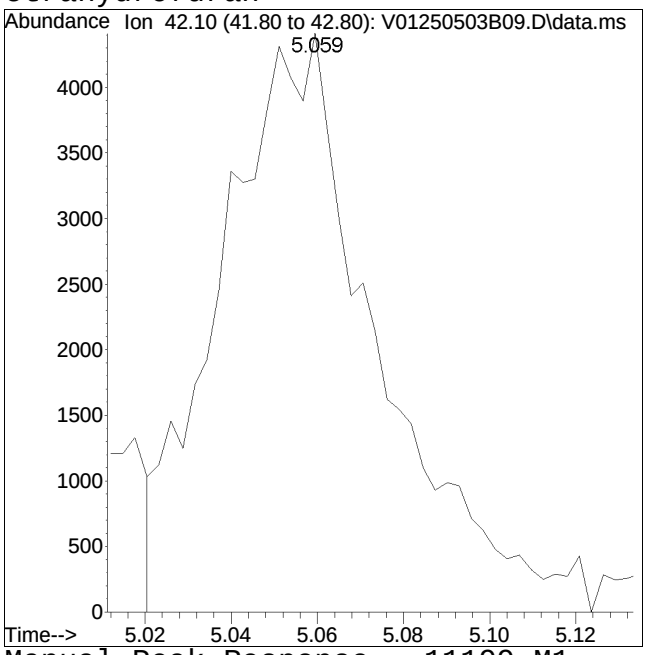
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Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #35: Tetrahydrofuran



Original Peak Response = 10846



Manual Peak Response = 11199 M1

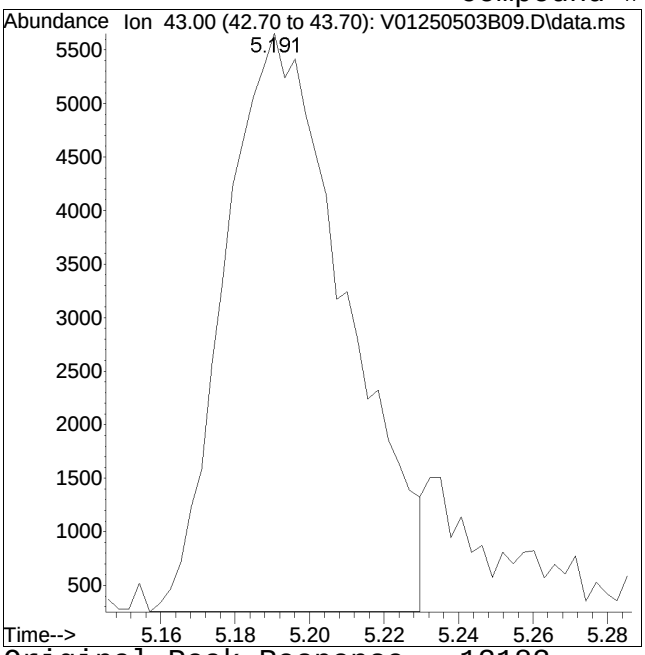
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

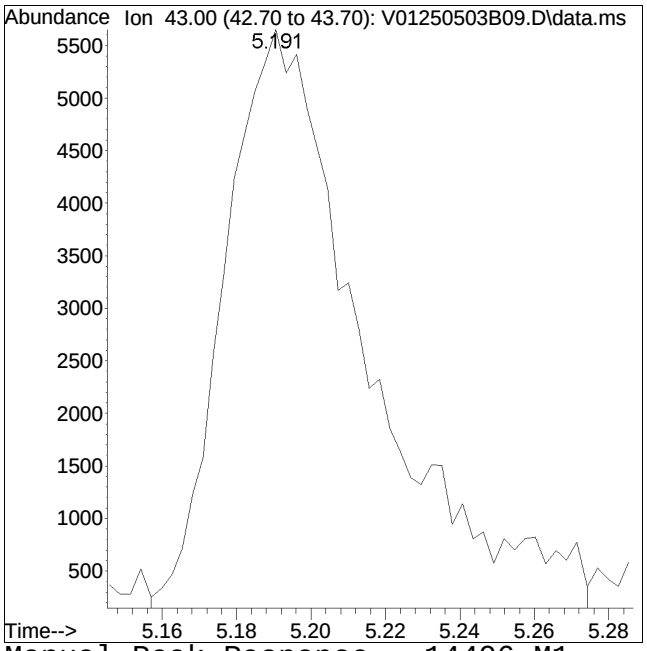
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #39: 2-Butanone



Original Peak Response = 12183



Manual Peak Response = 14496 M1

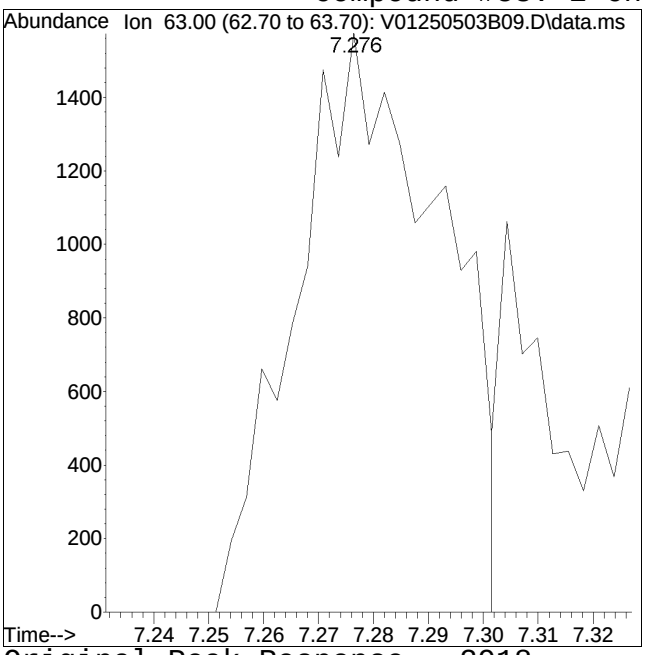
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

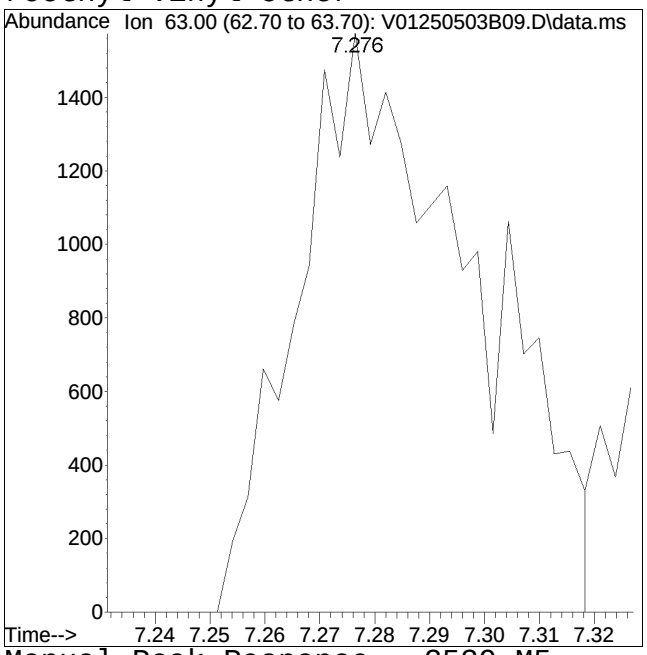
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #53: 2-Chloroethyl vinyl ether



Original Peak Response = 2918



Manual Peak Response = 3539 M5

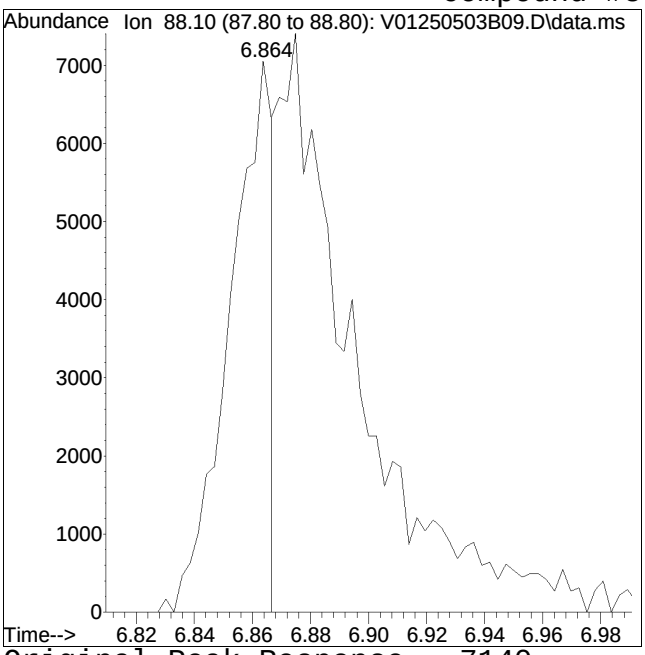
M5 = Manual integration over a retention time range required, i.e. for hydrocarbon range methods.

Manual Integration Report

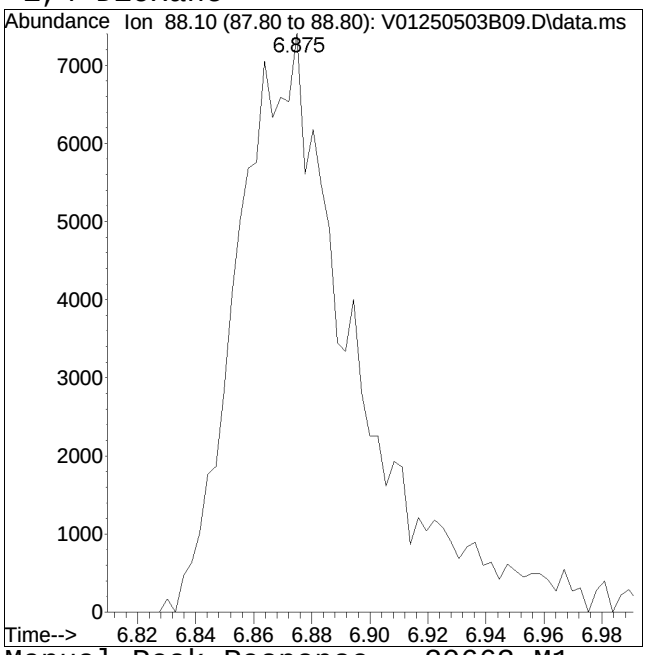
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #57: 1,4-Dioxane



Original Peak Response = 7140



Manual Peak Response = 20663 M1

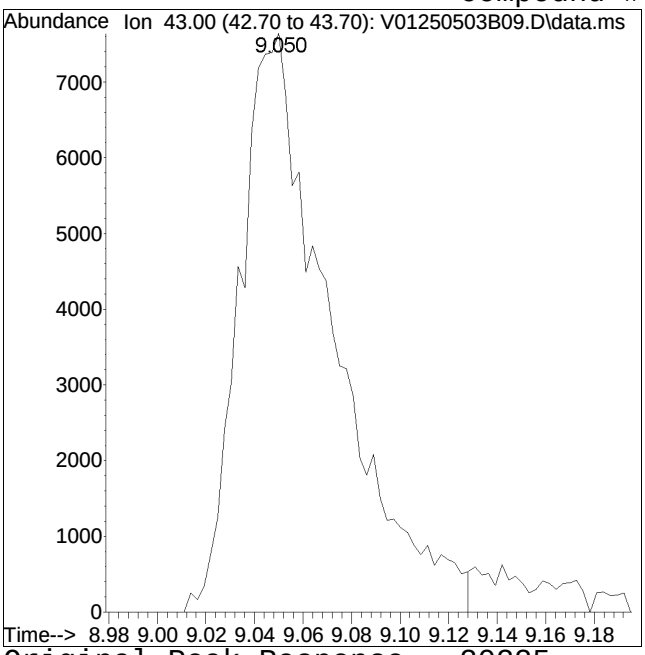
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

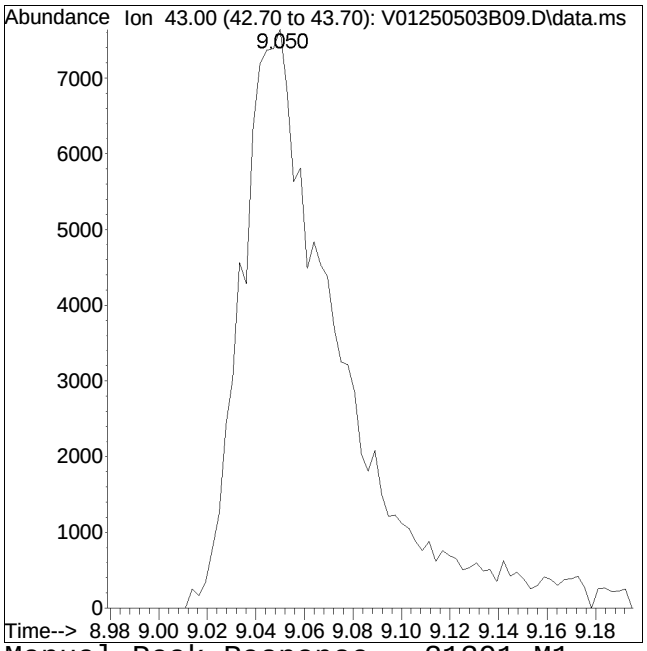
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #72: 2-Hexanone



Original Peak Response = 20225



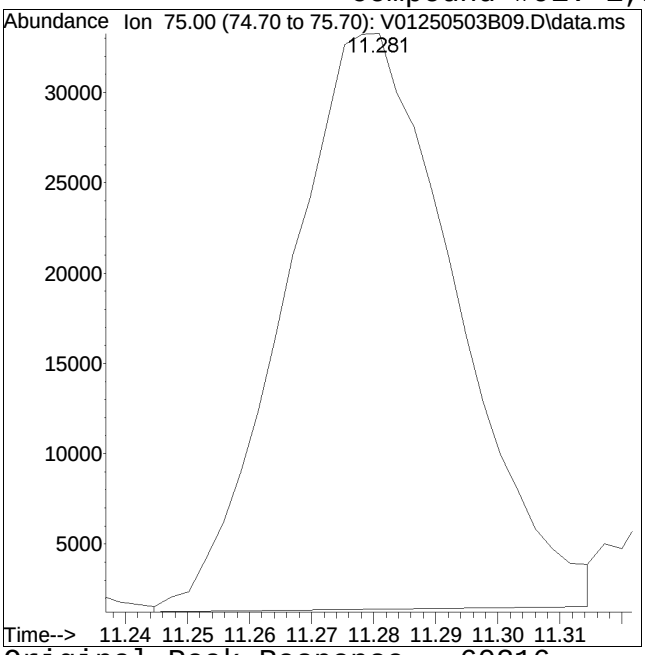
Manual Peak Response = 21391 M1

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

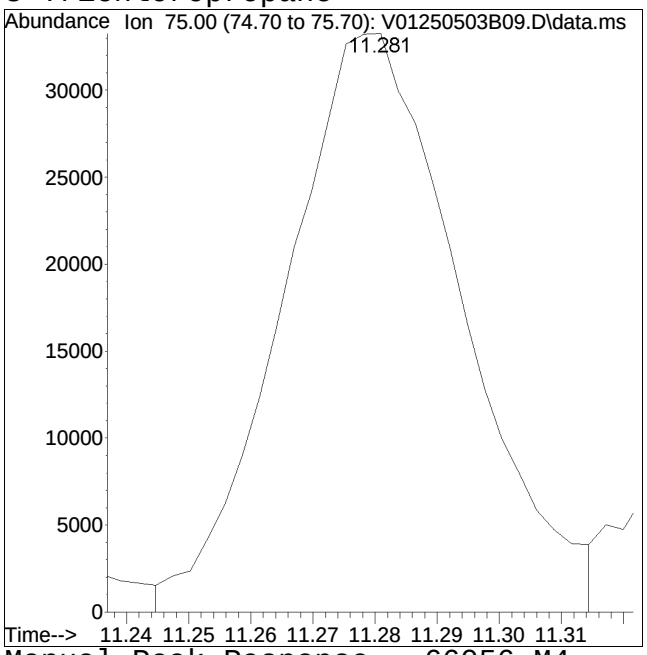
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B09.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 8:43 am Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 5/4/2025 8:36 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 60216



Manual Peak Response = 66056 M4

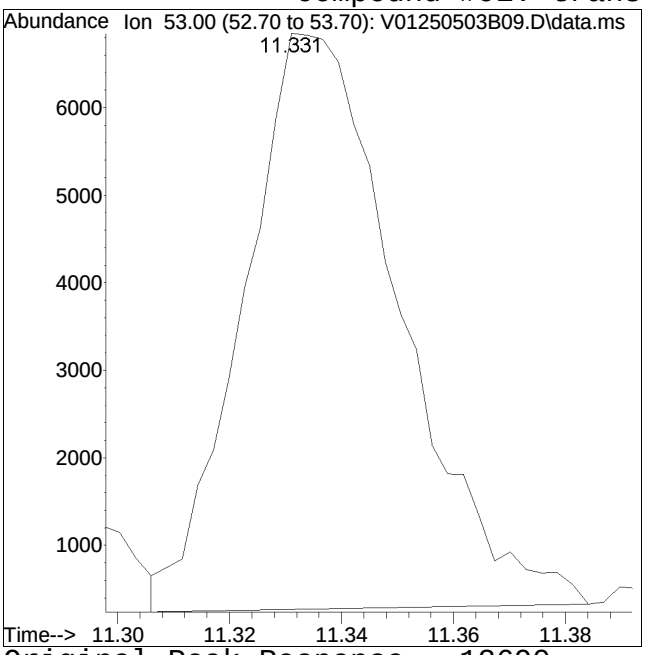
M4 = Poor automated baseline construction.

Manual Integration Report

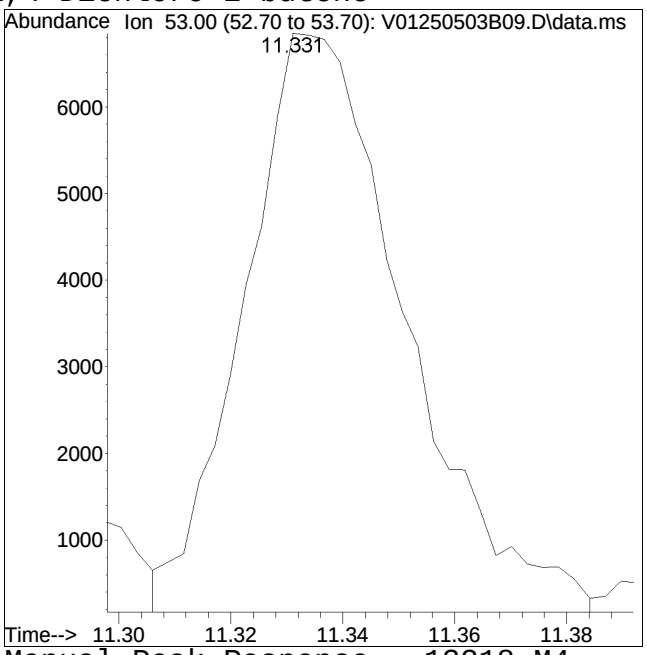
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B09.D
Date Inj'd : 5/3/2025 8:43 am
Sample : I8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:36 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 12690



Manual Peak Response = 13218 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B10.D
Acq On : 3 May 2025 9:09 am
Operator : VOA101:JIC
Sample : I8260STD30PPB
Misc : WG2062144,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 10:06:04 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.868	96	436332	10.000 ug/L	0.00
Standard Area 1 = 428841			Recovery = 101.75%		
59) Chlorobenzene-d5	9.382	117	337984	10.000 ug/L	0.00
Standard Area 1 = 325723			Recovery = 103.76%		
79) 1,4-Dichlorobenzene-d4	12.115	152	191035	10.000 ug/L	0.00
Standard Area 1 = 172502			Recovery = 110.74%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.071	113	118663	10.232 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.32%		
43) 1,2-Dichloroethane-d4	5.587	65	116224	10.102 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.02%		
60) Toluene-d8	7.541	98	468853	9.935 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.35%		
83) 4-Bromofluorobenzene	10.893	95	173649	9.645 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.45%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.607	85	454088	32.558 ug/L #	95
3) Chloromethane	1.786	50	254224	35.710 ug/L	98
4) Vinyl chloride	1.858	62	384317	34.049 ug/L	97
5) Bromomethane	2.154	94	110196	41.547 ug/L	99
6) Chloroethane	2.271	64	203310	30.924 ug/L	93
7) Trichlorofluoromethane	2.399	101	488474	30.344 ug/L	99
8) Ethyl ether	2.686	74	137466	29.651 ug/L #	49
10) 1,1-Dichloroethene	2.870	96	296714	30.074 ug/L #	68
11) Carbon disulfide	2.901	76	973810	30.688 ug/L	100
12) Freon-113	2.904	101	307741	29.325 ug/L	86
14) Acrolein	3.183	56	24026M1	30.485 ug/L	
15) Methylene chloride	3.406	84	322492	30.204 ug/L #	59
17) Acetone	3.450	43	32273M4	29.912 ug/L	
18) trans-1,2-Dichloroethene	3.556	96	326426	30.953 ug/L	76
19) Methyl acetate	3.562	43	78888	30.786 ug/L #	77
20) Methyl tert-butyl ether	3.651	73	660253	30.968 ug/L #	80
21) tert-Butyl alcohol	3.743	59	43209	149.417 ug/L	92
22) Diisopropyl ether	4.000	45	653102	30.353 ug/L #	87
23) 1,1-Dichloroethane	4.122	63	555113	30.425 ug/L	94
24) Halothane	4.175	117	248370	30.836 ug/L	99
25) Acrylonitrile	4.170	53	43297	29.991 ug/L	88

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B10.D
Acq On : 3 May 2025 9:09 am
Operator : VOA101:JIC
Sample : I8260STD30PPB
Misc : WG2062144,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 10:06:04 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.343	59	676188	31.073	ug/L	#	83
27) Vinyl acetate	4.354	43	301609	29.999	ug/L	#	83
28) cis-1,2-Dichloroethene	4.636	96	351966	30.096	ug/L	#	75
29) 2,2-Dichloropropane	4.728	77	448297	32.132	ug/L		80
30) Bromochloromethane	4.822	128	155889	30.430	ug/L	#	61
31) Cyclohexane	4.828	56	468186	30.237	ug/L	#	44
32) Chloroform	4.895	83	583215	31.050	ug/L	#	90
33) Ethyl acetate	5.004	43	113834	29.556	ug/L	#	90
34) Carbon tetrachloride	5.026	117	458197	30.907	ug/L		99
35) Tetrahydrofuran	5.048	42	35431M4	31.094	ug/L		
37) 1,1,1-Trichloroethane	5.090	97	513868	30.959	ug/L		91
39) 2-Butanone	5.188	43	44555	30.208	ug/L	#	1
40) 1,1-Dichloropropene	5.210	75	445694	31.065	ug/L		99
41) Benzene	5.450	78	1336200	30.588	ug/L	#	85
42) tert-Amyl methyl ether	5.559	73	662600	31.378	ug/L		91
44) 1,2-Dichloroethane	5.651	62	336866	30.226	ug/L		96
47) Methyl cyclohexane	6.030	83	599525	30.163	ug/L	#	58
48) Trichloroethene	6.044	95	361603	31.382	ug/L		99
50) Dibromomethane	6.484	93	163314	30.468	ug/L		99
51) 1,2-Dichloropropane	6.576	63	310287	30.817	ug/L	#	93
53) 2-Chloroethyl vinyl ether	7.274	63	11178	24.561	ug/L	#	38
54) Bromodichloromethane	6.655	83	433251	31.409	ug/L		100
57) 1,4-Dioxane	6.869	88	25016M1	594.941	ug/L		
58) cis-1,3-Dichloropropene	7.338	75	503767	32.921	ug/L	#	76
61) Toluene	7.597	92	863053	30.086	ug/L		100
62) 4-Methyl-2-pentanone	8.029	58	50787	32.693	ug/L	#	81
63) Tetrachloroethene	8.049	166	362758	29.889	ug/L		98
65) trans-1,3-Dichloropropene	8.082	75	400833	32.400	ug/L	#	80
67) Ethyl methacrylate	8.272	69	284176	32.500	ug/L		98
68) 1,1,2-Trichloroethane	8.269	83	202492	29.411	ug/L		100
69) Chlorodibromomethane	8.481	129	294800	31.523	ug/L		100
70) 1,3-Dichloropropane	8.584	76	421986	30.392	ug/L		100
71) 1,2-Dibromoethane	8.752	107	225050	30.540	ug/L		99
72) 2-Hexanone	9.039	43	73771M1	33.236	ug/L		
73) Chlorobenzene	9.399	112	962055	30.640	ug/L		98
74) Ethylbenzene	9.435	91	1703152	30.837	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.482	131	326219	31.265	ug/L		98
76) p/m Xylene	9.622	106	1310093	61.657	ug/L		100
77) o Xylene	10.171	106	1262665	61.371	ug/L		99
78) Styrene	10.235	104	2067348	62.645	ug/L		99

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B10.D
Acq On : 3 May 2025 9:09 am
Operator : VOA101:JIC
Sample : I8260STD30PPB
Misc : WG2062144,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 10:06:04 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.266	173	150247	30.262	ug/L	100
82) Isopropylbenzene	10.561	105	1703702	29.121	ug/L	100
84) Bromobenzene	11.002	156	360053	28.485	ug/L	100
85) n-Propylbenzene	11.049	91	1976585	28.725	ug/L	100
86) 1,4-Dichlorobutane	11.063	55	301482	29.106	ug/L	97
87) 1,1,2,2-Tetrachloroethane	11.141	83	258773	28.134	ug/L	99
88) 4-Ethyltoluene	11.175	105	1647575	29.268	ug/L	100
89) 2-Chlorotoluene	11.217	91	1148984M4	29.201	ug/L	
90) 1,3,5-Trimethylbenzene	11.278	105	1348154	29.027	ug/L	99
91) 1,2,3-Trichloropropane	11.281	75	207120M4	28.313	ug/L	
92) trans-1,4-Dichloro-2-b...	11.334	53	48100M4	32.859	ug/L	
93) 4-Chlorotoluene	11.404	91	1178927	29.276	ug/L	100
94) tert-Butylbenzene	11.618	119	1215152	30.783	ug/L	99
97) 1,2,4-Trimethylbenzene	11.699	105	1390608	31.094	ug/L	100
98) sec-Butylbenzene	11.814	105	1778370	30.796	ug/L	99
99) p-Isopropyltoluene	11.970	119	1485143	31.228	ug/L	99
100) 1,3-Dichlorobenzene	12.037	146	741996	30.769	ug/L	99
101) 1,4-Dichlorobenzene	12.131	146	738358	30.607	ug/L	98
102) p-Diethylbenzene	12.343	119	842203	31.680	ug/L	100
103) n-Butylbenzene	12.402	91	1222533	31.453	ug/L	99
104) 1,2-Dichlorobenzene	12.555	146	648950	30.785	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.144	119	1147829	32.614	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.339	155	31702	33.236	ug/L	99
107) 1,3,5-Trichlorobenzene	13.372	180	393176	31.517	ug/L	98
108) Hexachlorobutadiene	13.947	225	138701	32.111	ug/L	99
109) 1,2,4-Trichlorobenzene	13.972	180	310478	31.757	ug/L	99
110) Naphthalene	14.265	128	586446	32.634	ug/L	100
111) 1,2,3-Trichlorobenzene	14.435	180	223476	31.080	ug/L	99

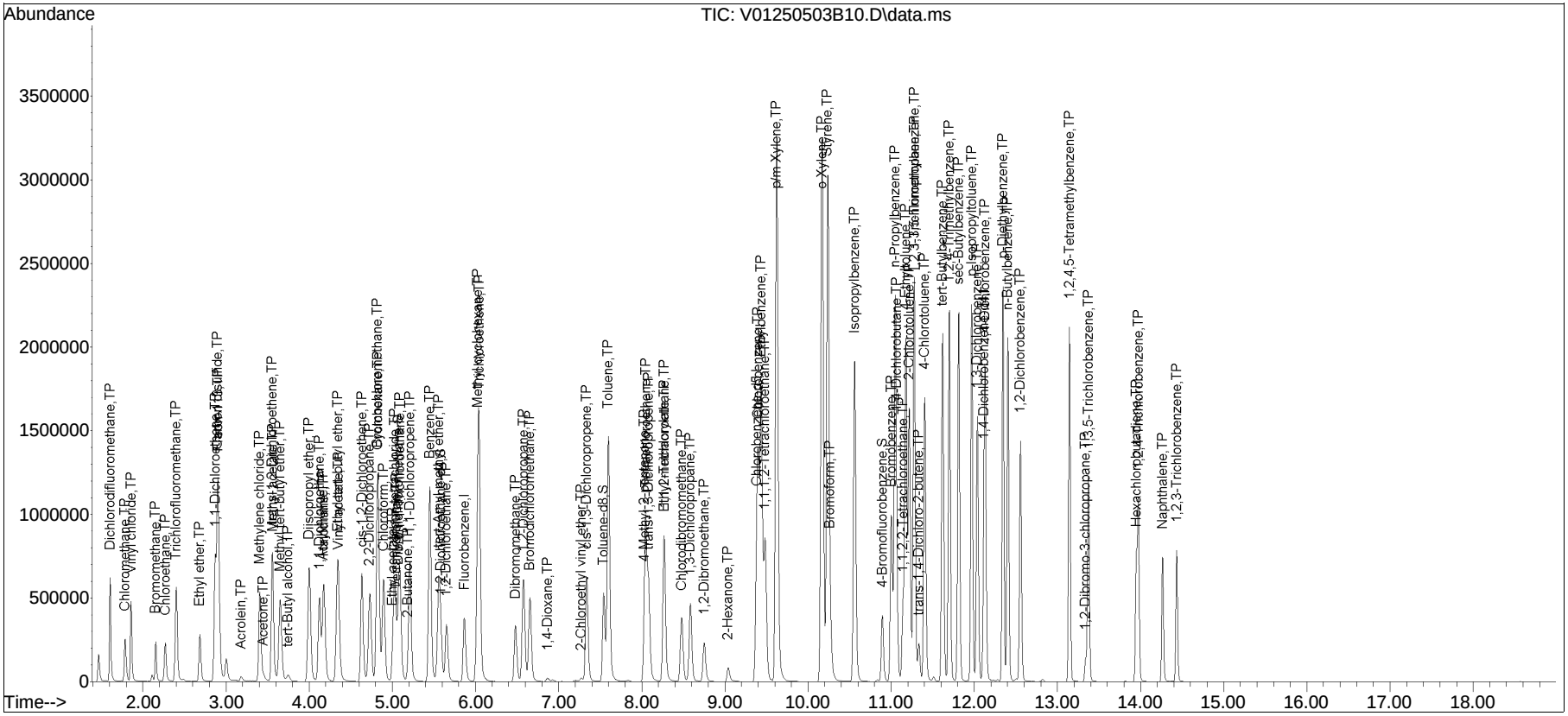
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B10.D
Acq On : 3 May 2025 9:09 am
Operator : VOA101:JIC
Sample : I8260STD30PPB
Misc : WG2062144,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 10:06:04 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

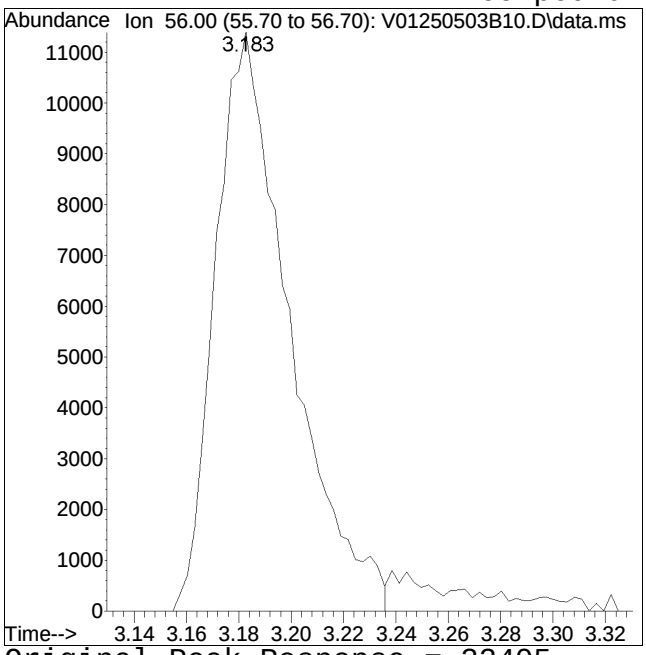


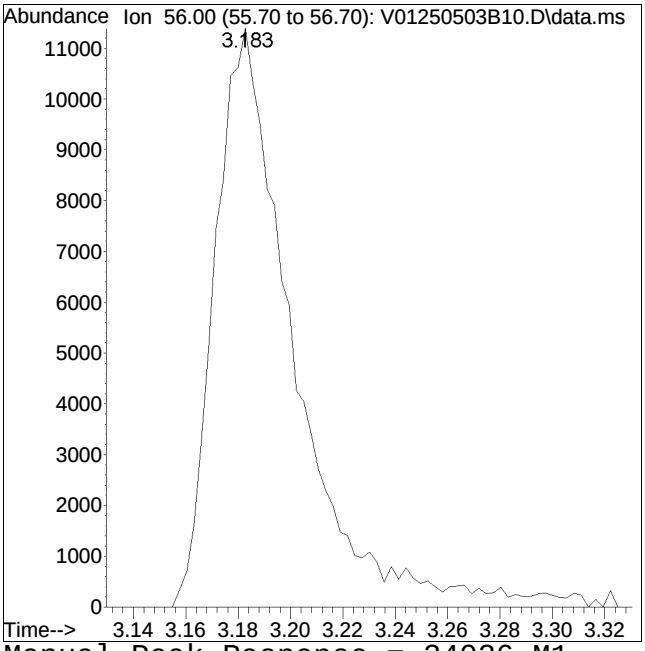
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B10.D
Date Inj'd : 5/3/2025 9:09 am
Sample : I8260STD30PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #14: Acrolein





Original Peak Response = 22405 Manual Peak Response = 24026 M1

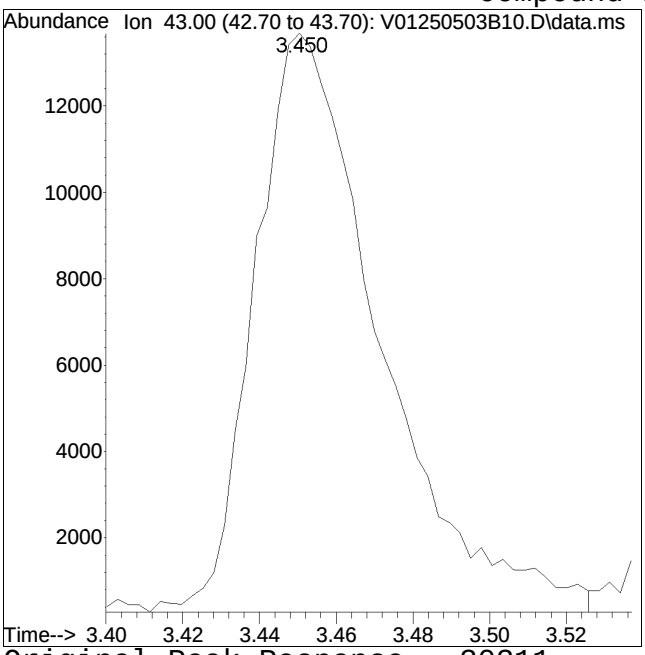
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

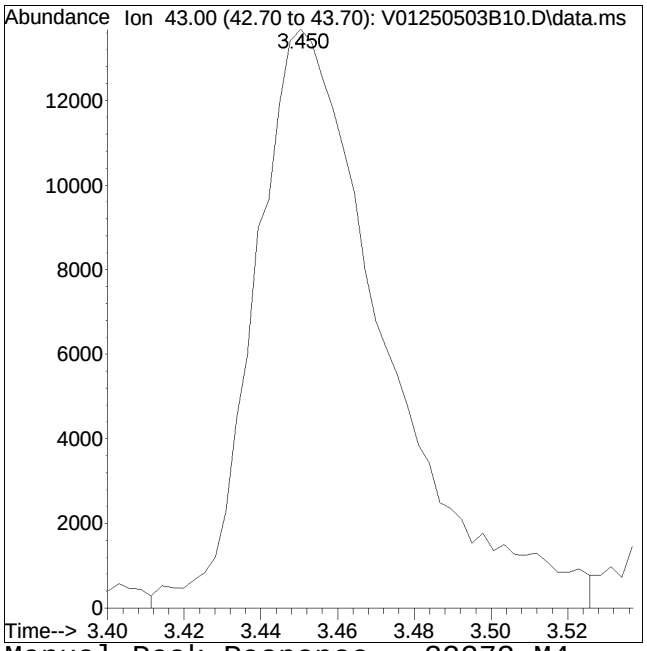
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B10.D
Date Inj'd : 5/3/2025 9:09 am
Sample : I8260STD30PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #17: Acetone



Original Peak Response = 30311



Manual Peak Response = 32273 M4

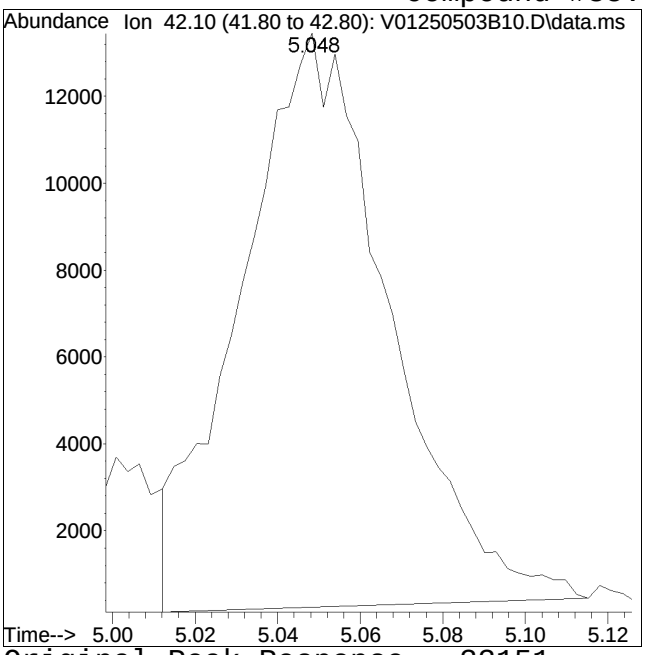
M4 = Poor automated baseline construction.

Manual Integration Report

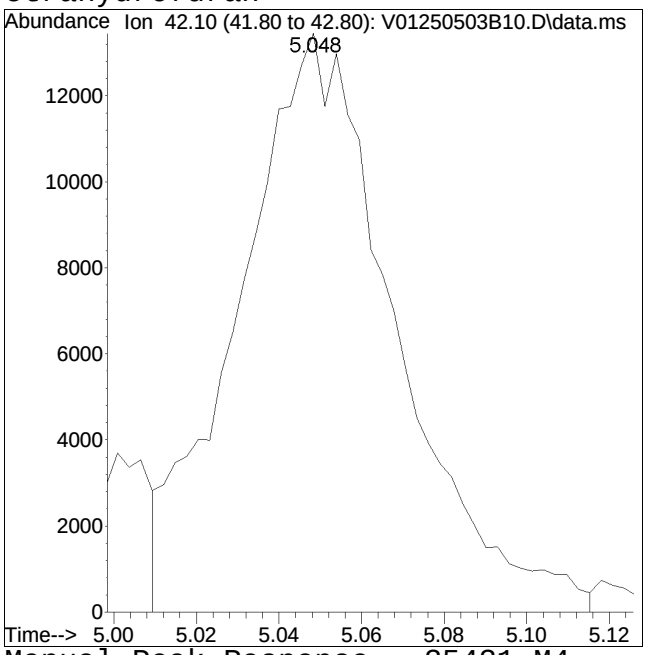
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B10.D
Date Inj'd : 5/3/2025 9:09 am
Sample : I8260STD30PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #35: Tetrahydrofuran



Original Peak Response = 33151



Manual Peak Response = 35431 M4

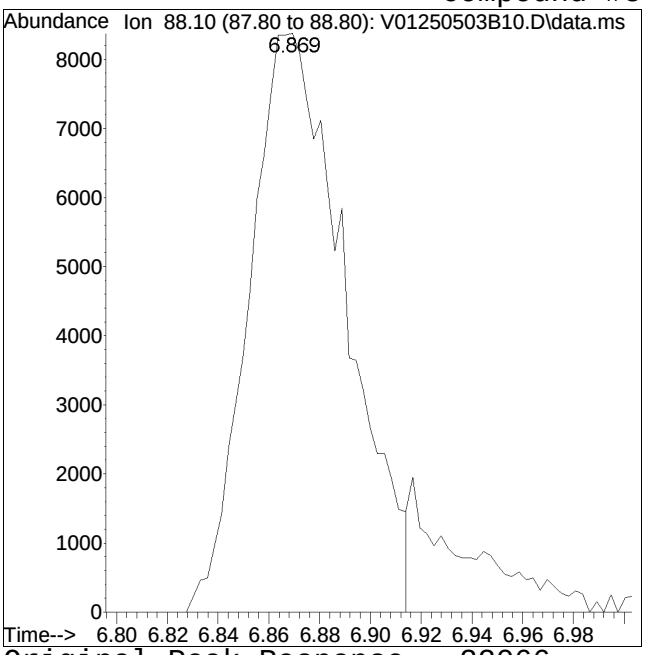
M4 = Poor automated baseline construction.

Manual Integration Report

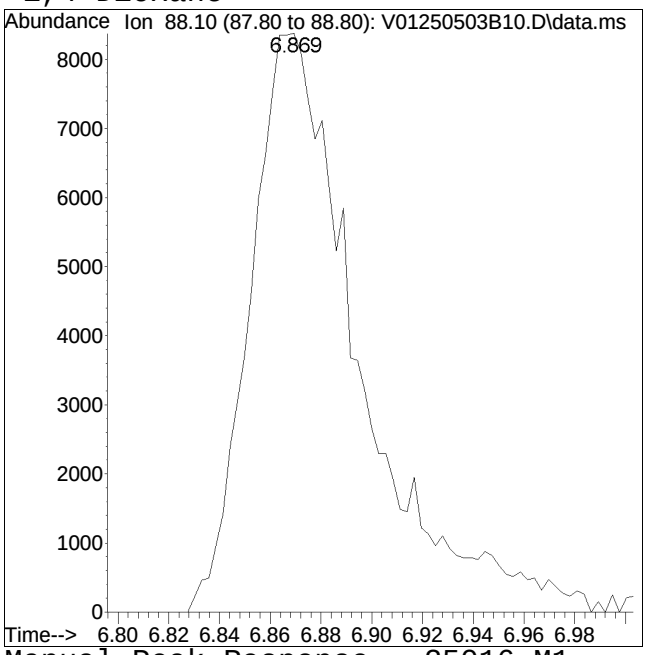
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B10.D
Date Inj'd : 5/3/2025 9:09 am
Sample : I8260STD30PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #57: 1,4-Dioxane



Original Peak Response = 22066



Manual Peak Response = 25016 M1

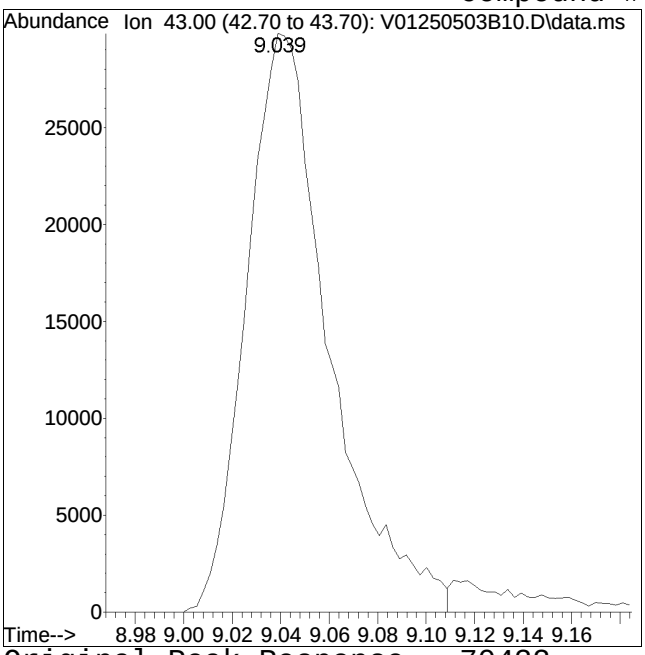
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

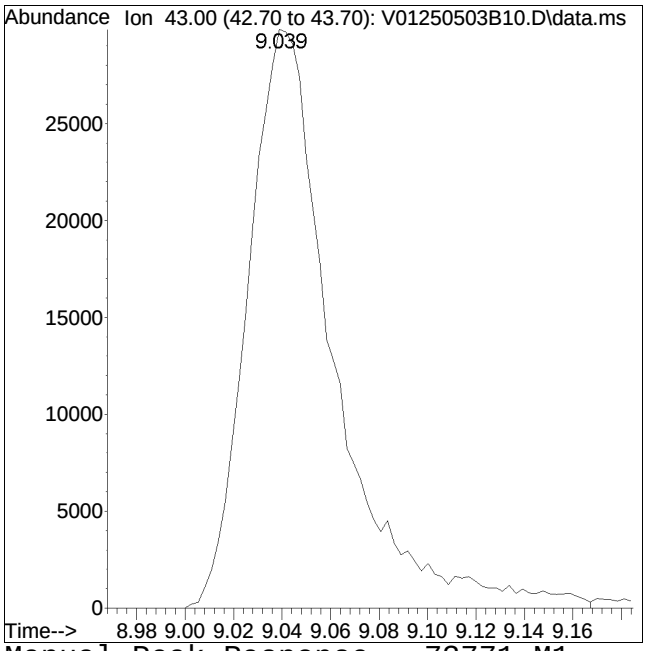
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B10.D
Date Inj'd : 5/3/2025 9:09 am
Sample : I8260STD30PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #72: 2-Hexanone



Original Peak Response = 70432



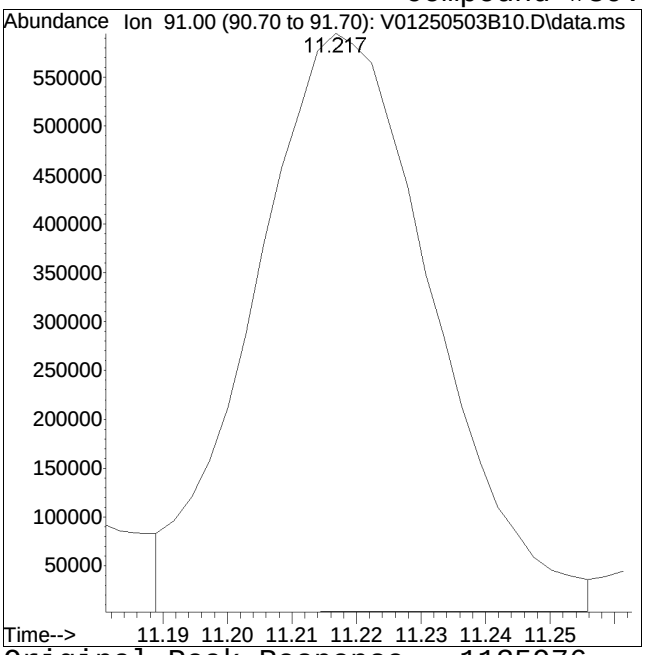
Manual Peak Response = 73771 M1

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

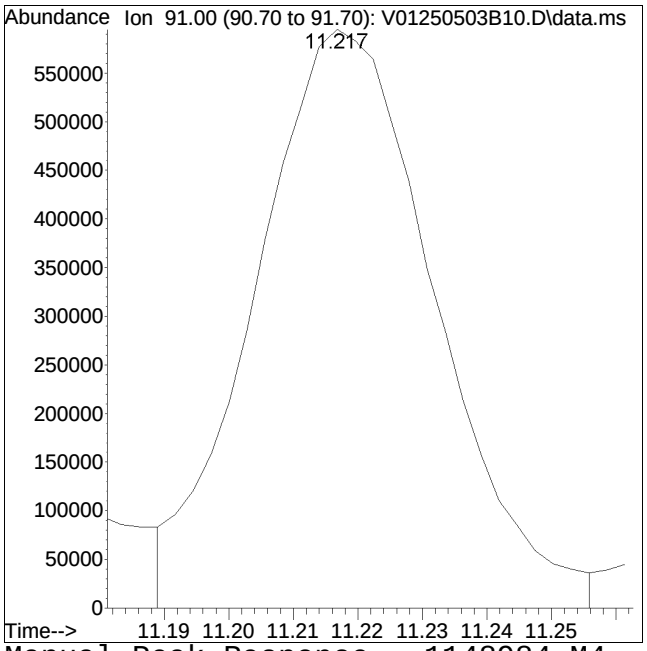
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B10.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 9:09 am Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 5/4/2025 8:48 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1135976



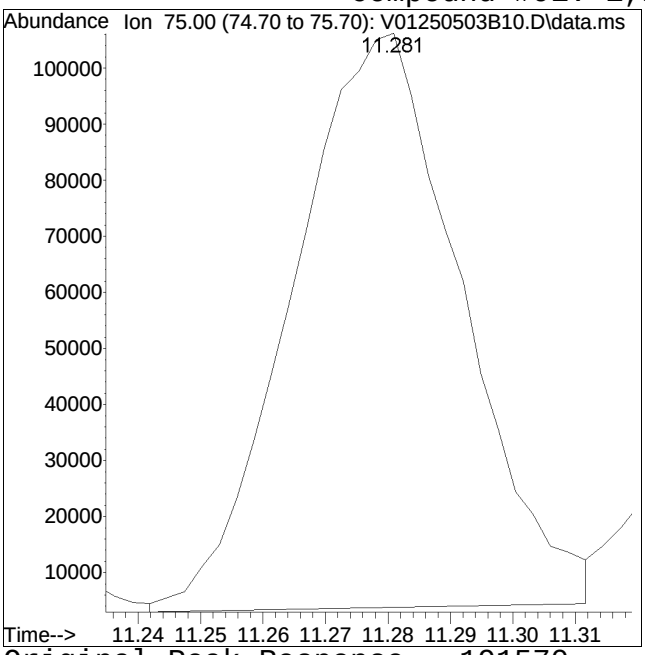
Manual Peak Response = 1148984 M4

M4 = Poor automated baseline construction.

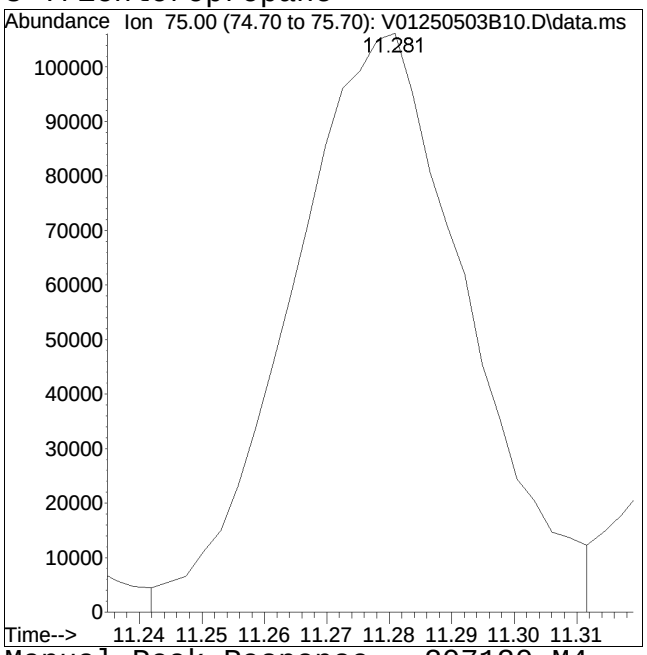
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B10.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 9:09 am Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 5/4/2025 8:48 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 191570



Manual Peak Response = 207120 M4

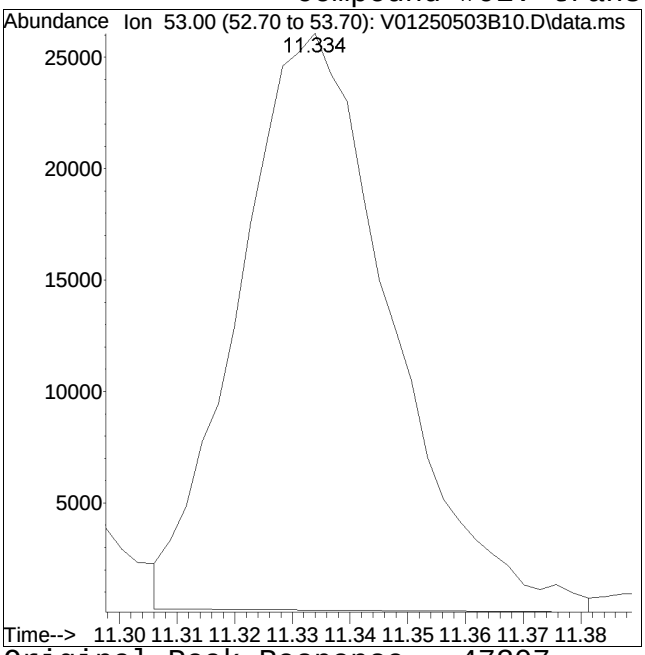
M4 = Poor automated baseline construction.

Manual Integration Report

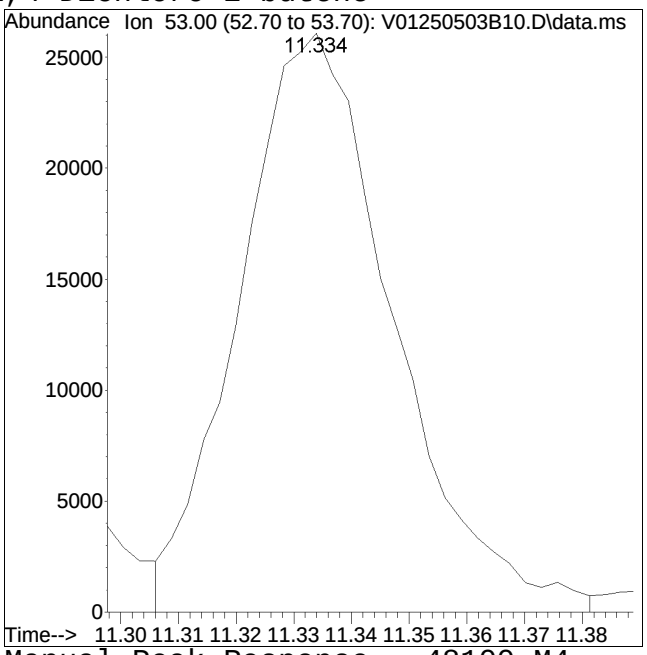
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B10.D
Date Inj'd : 5/3/2025 9:09 am
Sample : I8260STD30PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 47307



Manual Peak Response = 48100 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B11.D
Acq On : 3 May 2025 9:35 am
Operator : VOA101:JIC
Sample : I8260STD80PPB
Misc : WG2062144,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 10:06:13 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.865	96	465342	10.000 ug/L	0.00
Standard Area 1 = 428841			Recovery = 108.51%		
59) Chlorobenzene-d5	9.379	117	368326	10.000 ug/L	0.00
Standard Area 1 = 325723			Recovery = 113.08%		
79) 1,4-Dichlorobenzene-d4	12.115	152	202360	10.000 ug/L	0.00
Standard Area 1 = 172502			Recovery = 117.31%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.068	113	122098	9.871 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.71%		
43) 1,2-Dichloroethane-d4	5.587	65	120822	9.847 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.47%		
60) Toluene-d8	7.541	98	498276	9.688 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.88%		
83) 4-Bromofluorobenzene	10.893	95	201294	10.554 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.54%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.604	85	1257026	84.510 ug/L #	95
3) Chloromethane	1.786	50	729927	96.139 ug/L	98
4) Vinyl chloride	1.855	62	1139386	94.652 ug/L	98
5) Bromomethane	2.154	94	462826	163.619 ug/L	99
6) Chloroethane	2.268	64	563769	80.404 ug/L	94
7) Trichlorofluoromethane	2.399	101	1356602	79.020 ug/L	99
8) Ethyl ether	2.684	74	391459	79.173 ug/L #	49
10) 1,1-Dichloroethene	2.868	96	829898	78.873 ug/L #	67
11) Carbon disulfide	2.898	76	2735047	80.817 ug/L	100
12) Freon-113	2.904	101	824749	73.691 ug/L	79
14) Acrolein	3.177	56	66722	79.381 ug/L	98
15) Methylene chloride	3.406	84	906887	79.642 ug/L #	59
17) Acetone	3.450	43	89169M1	77.494 ug/L	
18) trans-1,2-Dichloroethene	3.556	96	909569	80.871 ug/L	77
19) Methyl acetate	3.559	43	230095	84.196 ug/L #	78
20) Methyl tert-butyl ether	3.651	73	1839988	80.922 ug/L #	79
21) tert-Butyl alcohol	3.743	59	128785	417.575 ug/L #	81
22) Diisopropyl ether	4.003	45	1880786	81.962 ug/L #	89
23) 1,1-Dichloroethane	4.123	63	1545422	79.423 ug/L	93
24) Halothane	4.173	117	690643	80.401 ug/L	99
25) Acrylonitrile	4.164	53	125457	81.483 ug/L	91

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B11.D
Acq On : 3 May 2025 9:35 am
Operator : VOA101:JIC
Sample : I8260STD80PPB
Misc : WG2062144,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 10:06:13 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.343	59	1944928	83.804	ug/L	#	83
27) Vinyl acetate	4.348	43	863799	80.560	ug/L	#	83
28) cis-1,2-Dichloroethene	4.633	96	993052	79.620	ug/L	#	75
29) 2,2-Dichloropropane	4.728	77	1245124	83.683	ug/L	#	80
30) Bromochloromethane	4.822	128	403955	73.938	ug/L	#	61
31) Cyclohexane	4.825	56	1345291	81.466	ug/L	#	48
32) Chloroform	4.895	83	1600977	79.922	ug/L	#	91
33) Ethyl acetate	5.001	43	336893	82.019	ug/L	#	90
34) Carbon tetrachloride	5.026	117	1279728	80.940	ug/L		99
35) Tetrahydrofuran	5.043	42	98013M4	80.654	ug/L		
37) 1,1,1-Trichloroethane	5.087	97	1417373	80.068	ug/L		92
39) 2-Butanone	5.179	43	129308	82.206	ug/L		90
40) 1,1-Dichloropropene	5.207	75	1236124	80.786	ug/L		99
41) Benzene	5.450	78	3747363	80.435	ug/L	#	85
42) tert-Amyl methyl ether	5.561	73	1912676	84.930	ug/L		90
44) 1,2-Dichloroethane	5.651	62	936692	78.806	ug/L		95
47) Methyl cyclohexane	6.033	83	1720751	81.176	ug/L	#	59
48) Trichloroethene	6.044	95	1008712	82.084	ug/L		100
50) Dibromomethane	6.479	93	456243	79.812	ug/L		98
51) 1,2-Dichloropropane	6.574	63	875803	81.561	ug/L	#	94
53) 2-Chloroethyl vinyl ether	7.268	63	27986M1	57.659	ug/L		
54) Bromodichloromethane	6.652	83	1225221	83.287	ug/L		100
57) 1,4-Dioxane	6.864	88	36755M1	819.629	ug/L		
58) cis-1,3-Dichloropropene	7.338	75	1456438	89.243	ug/L	#	76
61) Toluene	7.600	92	2425981	77.604	ug/L		100
62) 4-Methyl-2-pentanone	8.029	58	148500	87.719	ug/L	#	84
63) Tetrachloroethene	8.049	166	1010964	76.436	ug/L		99
65) trans-1,3-Dichloropropene	8.082	75	1163476	86.299	ug/L	#	80
67) Ethyl methacrylate	8.269	69	835752	87.708	ug/L		99
68) 1,1,2-Trichloroethane	8.266	83	560418	74.692	ug/L		99
69) Chlorodibromomethane	8.478	129	853094	83.706	ug/L		99
70) 1,3-Dichloropropane	8.587	76	1203703	79.551	ug/L		100
71) 1,2-Dibromoethane	8.752	107	647215	80.594	ug/L		99
72) 2-Hexanone	9.033	43	219596	90.784	ug/L	#	68
73) Chlorobenzene	9.399	112	2736158	79.964	ug/L		98
74) Ethylbenzene	9.435	91	4884661	81.155	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.488	131	935328	82.257	ug/L		97
76) p/m Xylene	9.622	106	3731812	161.163	ug/L		100
77) o Xylene	10.171	106	3591670	160.190	ug/L		100
78) Styrene	10.238	104	5949504	165.430	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B11.D
Acq On : 3 May 2025 9:35 am
Operator : VOA101:JIC
Sample : I8260STD80PPB
Misc : WG2062144,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 10:06:13 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.269	173	433499	82.427	ug/L	100
82) Isopropylbenzene	10.559	105	5127592	82.739	ug/L	99
84) Bromobenzene	11.002	156	1079074	80.591	ug/L	100
85) n-Propylbenzene	11.050	91	6022767	82.629	ug/L	99
86) 1,4-Dichlorobutane	11.066	55	945903	86.209	ug/L	98
87) 1,1,2,2-Tetrachloroethane	11.144	83	779662	80.021	ug/L	98
88) 4-Ethyltoluene	11.175	105	4938285	82.815	ug/L	99
89) 2-Chlorotoluene	11.217	91	3474157M4	83.354	ug/L	
90) 1,3,5-Trimethylbenzene	11.278	105	4051035	82.342	ug/L	100
91) 1,2,3-Trichloropropane	11.281	75	624665M4	80.613	ug/L	
92) trans-1,4-Dichloro-2-b...	11.331	53	152541M4	98.376	ug/L	
93) 4-Chlorotoluene	11.404	91	3559726	83.450	ug/L	99
94) tert-Butylbenzene	11.621	119	3436848	82.191	ug/L	99
97) 1,2,4-Trimethylbenzene	11.699	105	3939804	83.163	ug/L	99
98) sec-Butylbenzene	11.814	105	5053890	82.620	ug/L	98
99) p-Isopropyltoluene	11.970	119	4180542	82.983	ug/L	99
100) 1,3-Dichlorobenzene	12.037	146	2080066	81.429	ug/L	99
101) 1,4-Dichlorobenzene	12.131	146	2085383	81.608	ug/L	98
102) p-Diethylbenzene	12.346	119	2386823	84.757	ug/L	99
103) n-Butylbenzene	12.405	91	3488556	84.729	ug/L	99
104) 1,2-Dichlorobenzene	12.555	146	1812292	81.161	ug/L	100
105) 1,2,4,5-Tetramethylben...	13.144	119	3317900	88.997	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.339	155	92319	91.371	ug/L	100
107) 1,3,5-Trichlorobenzene	13.372	180	1121383	84.860	ug/L	98
108) Hexachlorobutadiene	13.950	225	404270	88.355	ug/L	99
109) 1,2,4-Trichlorobenzene	13.972	180	887209	85.669	ug/L	99
110) Naphthalene	14.262	128	1687034	88.625	ug/L	100
111) 1,2,3-Trichlorobenzene	14.432	180	640795	84.132	ug/L	98

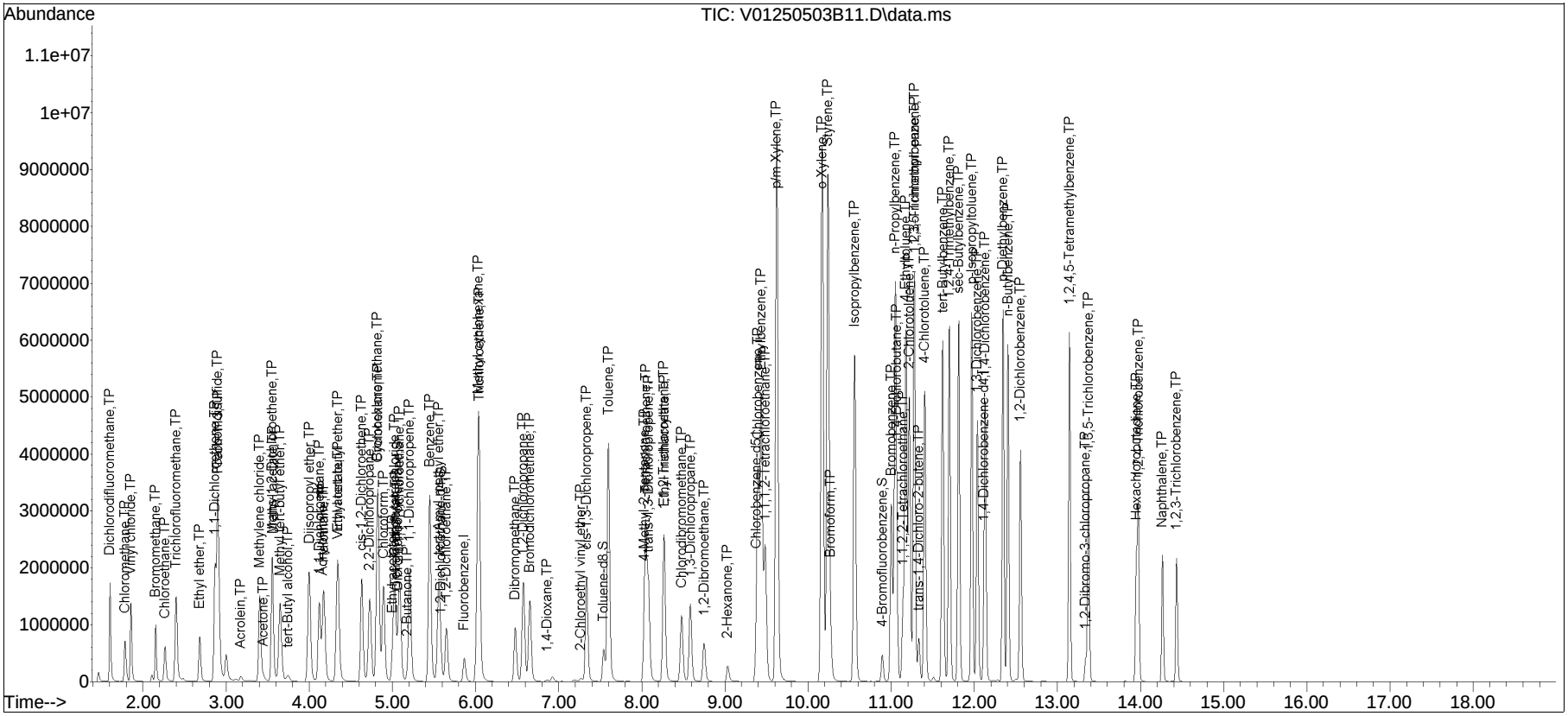
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B11.D
Acq On : 3 May 2025 9:35 am
Operator : VOA101:JIC
Sample : I8260STD80PPB
Misc : WG2062144,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 10:06:13 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

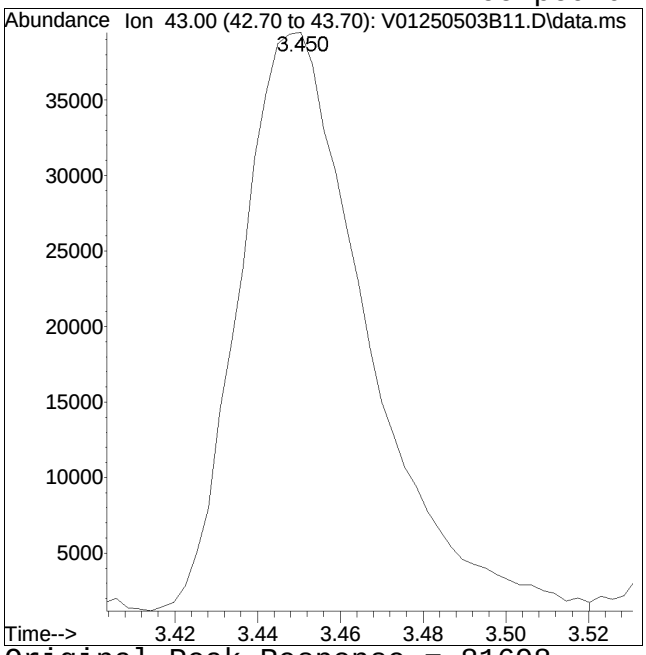


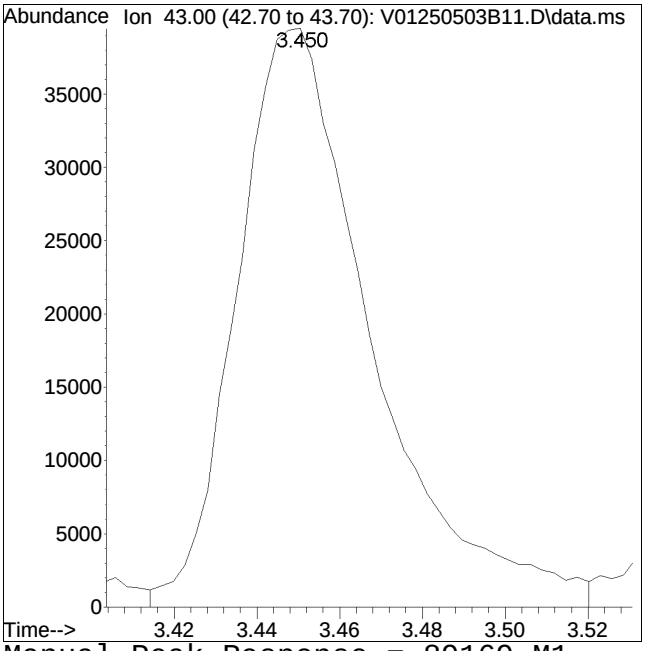
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B11.D
Date Inj'd : 5/3/2025 9:35 am
Sample : I8260STD80PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #17: Acetone





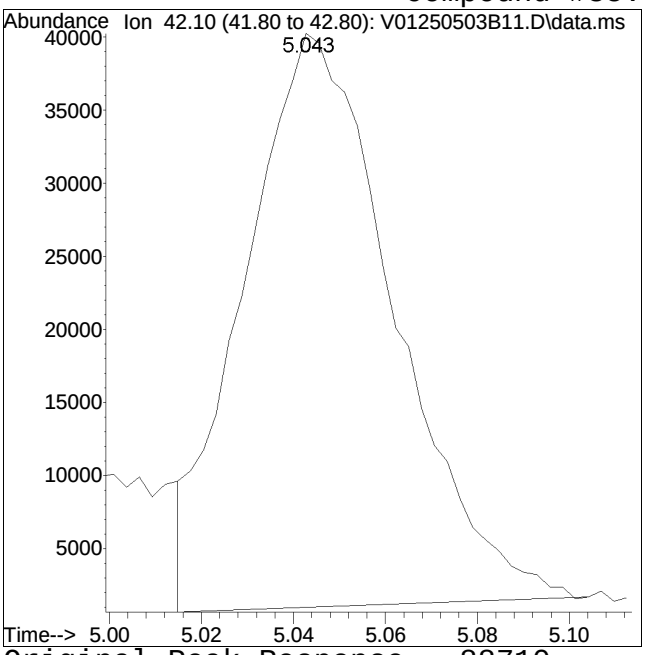
Original Peak Response = 81698 Manual Peak Response = 89169 M1

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

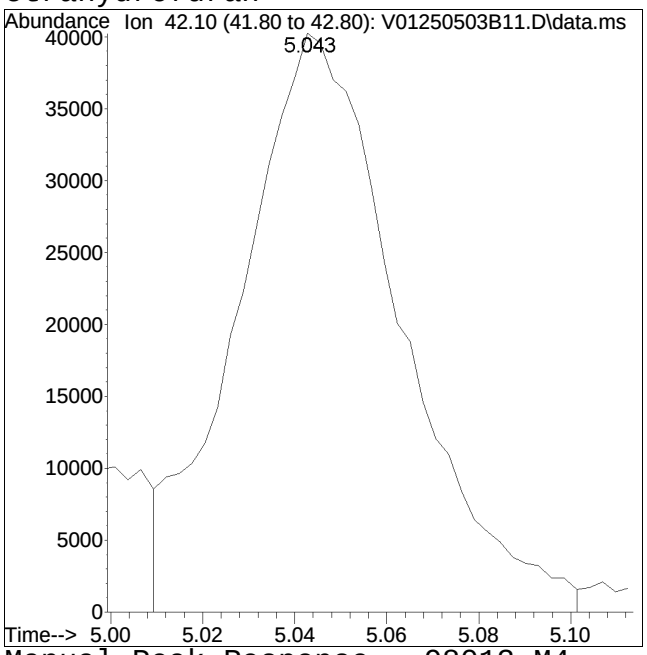
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B11.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 9:35 am Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 5/4/2025 8:48 am

Compound #35: Tetrahydrofuran



Original Peak Response = 88710



Manual Peak Response = 98013 M4

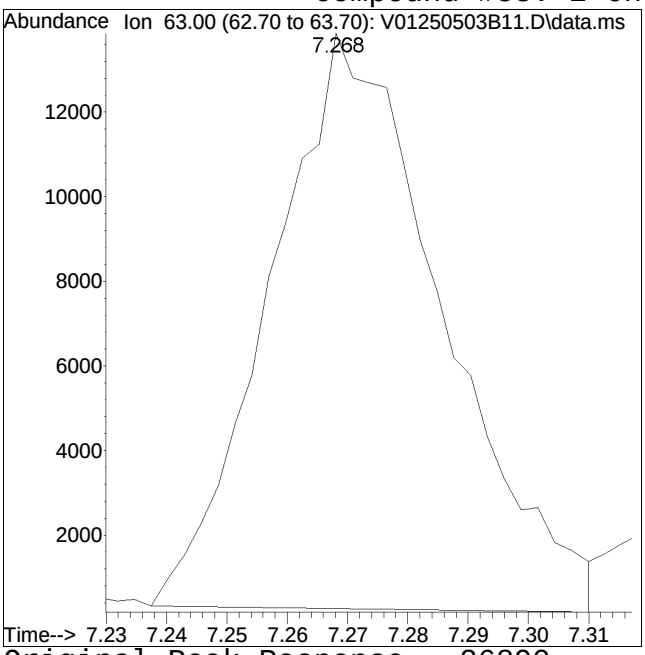
M4 = Poor automated baseline construction.

Manual Integration Report

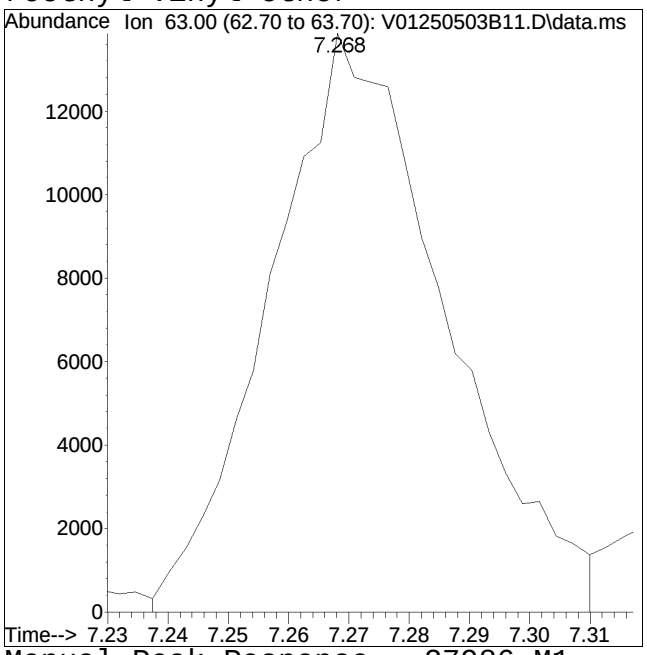
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B11.D
Date Inj'd : 5/3/2025 9:35 am
Sample : I8260STD80PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #53: 2-Chloroethyl vinyl ether



Original Peak Response = 26890



Manual Peak Response = 27986 M1

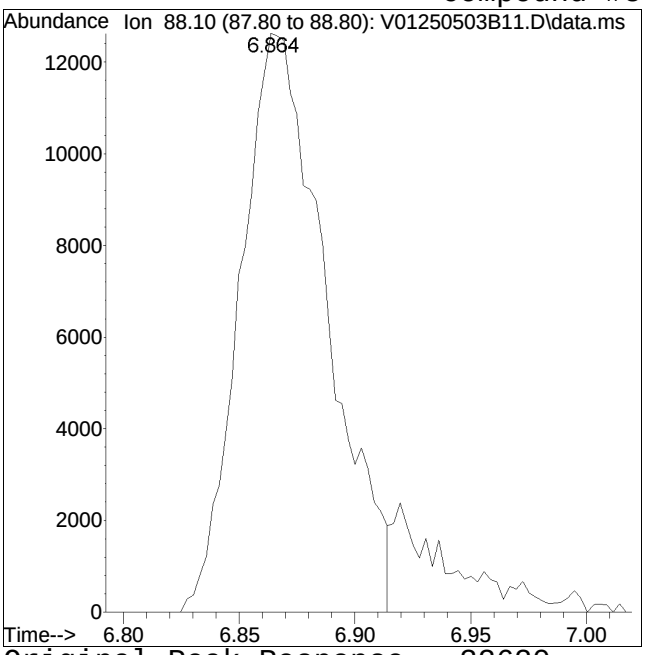
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

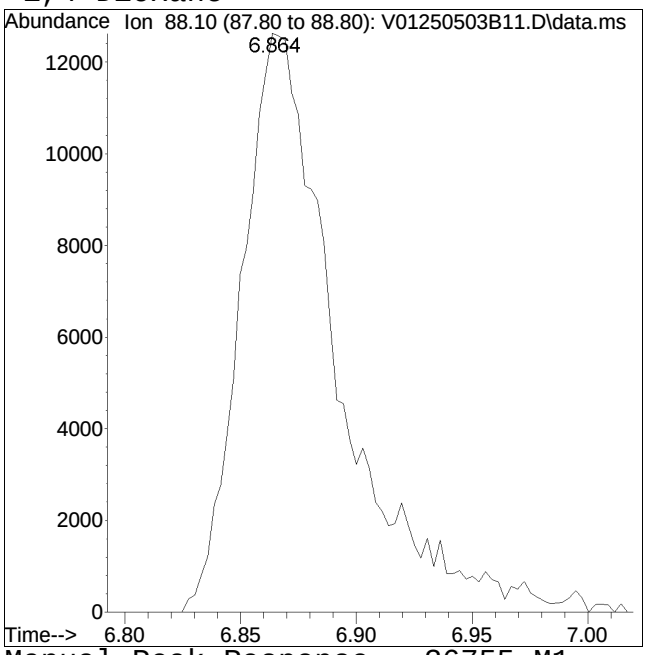
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B11.D
Date Inj'd : 5/3/2025 9:35 am
Sample : I8260STD80PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #57: 1,4-Dioxane



Original Peak Response = 32620



Manual Peak Response = 36755 M1

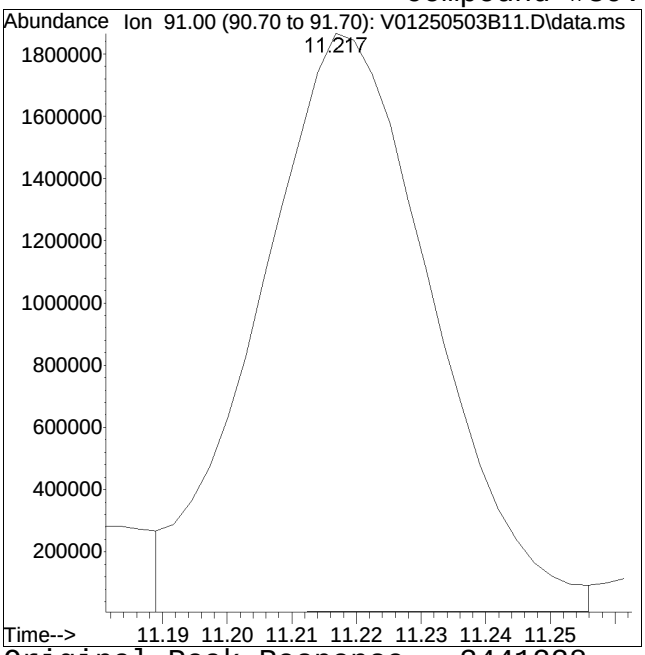
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

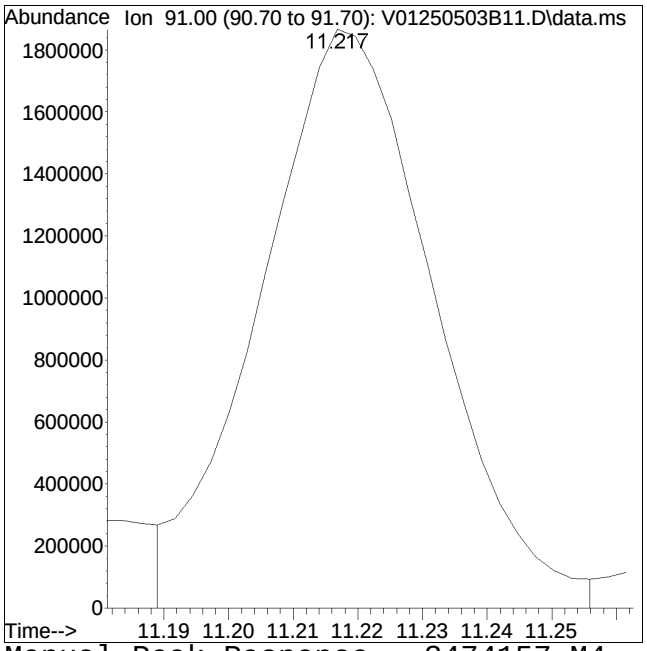
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B11.D
Date Inj'd : 5/3/2025 9:35 am
Sample : I8260STD80PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 3441228



Manual Peak Response = 3474157 M4

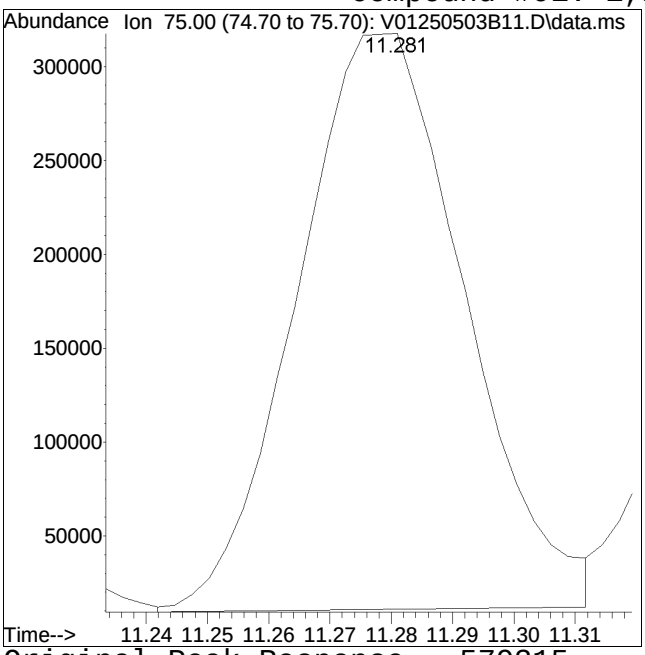
M4 = Poor automated baseline construction.

Manual Integration Report

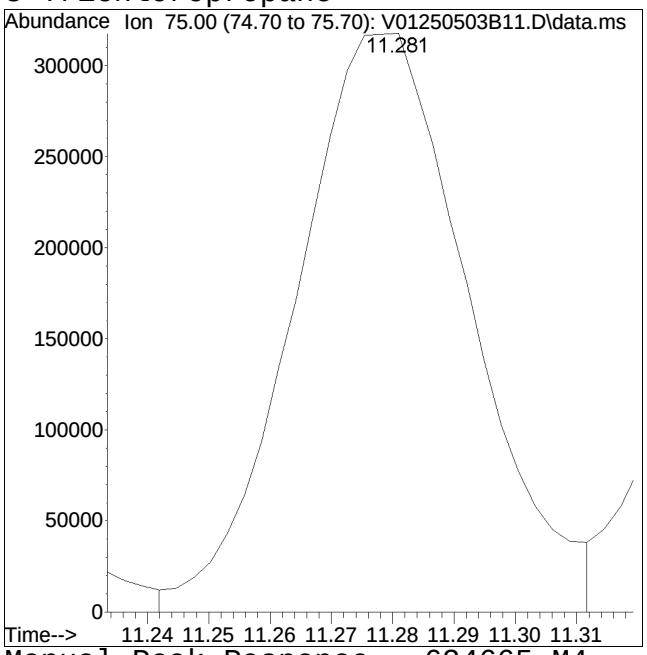
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B11.D
Date Inj'd : 5/3/2025 9:35 am
Sample : I8260STD80PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 579315



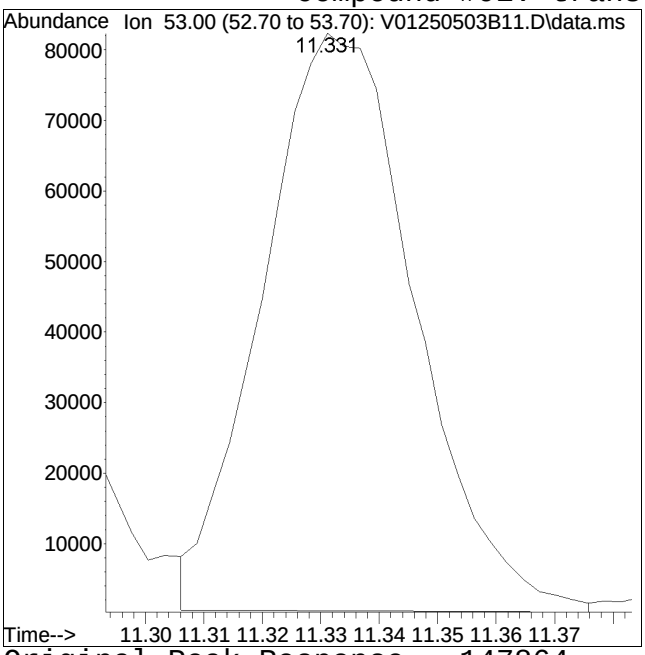
Manual Peak Response = 624665 M4

M4 = Poor automated baseline construction.

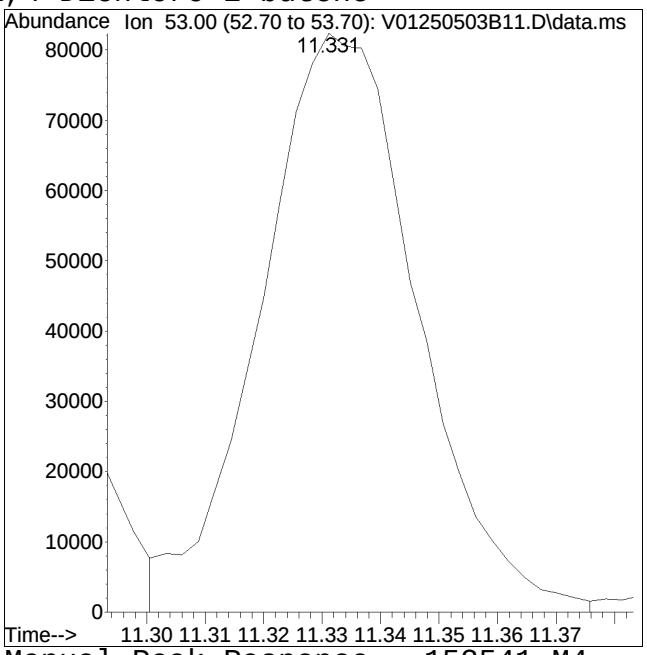
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B11.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 9:35 am Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 5/4/2025 8:48 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 147864



Manual Peak Response = 152541 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B12.D
Acq On : 3 May 2025 10:00 am
Operator : VOA101:JIC
Sample : I8260STD120PPB
Misc : WG2062144,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 10:06:18 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 09:48:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.868	96	515800	10.000	ug/L	0.00
Standard Area 1 = 428841			Recovery = 120.28%			
59) Chlorobenzene-d5	9.376	117	413875	10.000	ug/L	0.00
Standard Area 1 = 325723			Recovery = 127.06%			
79) 1,4-Dichlorobenzene-d4	12.115	152	207284	10.000	ug/L	0.00
Standard Area 1 = 172502			Recovery = 120.16%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	133716	9.831	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.31%			
43) 1,2-Dichloroethane-d4	5.587	65	133907	9.933	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.33%			
60) Toluene-d8	7.544	98	550424	9.673	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.73%			
83) 4-Bromofluorobenzene	10.893	95	208481	10.377	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.604	85	1999862	127.668	ug/L #	95
3) Chloromethane	1.786	50	1237728	132.899	ug/L	98
4) Vinyl chloride	1.858	62	1869986	138.363	ug/L	98
5) Bromomethane	2.156	94	885349	118.800	ug/L	97
6) Chloroethane	2.265	64	925070	121.046	ug/L	94
7) Trichlorofluoromethane	2.405	101	2184002	121.300	ug/L	99
8) Ethyl ether	2.686	74	642662	118.922	ug/L #	51
10) 1,1-Dichloroethene	2.868	96	1391432	125.488	ug/L #	68
11) Carbon disulfide	2.901	76	4699517	127.150	ug/L	100
12) Freon-113	2.904	101	1397438	124.465	ug/L	78
14) Acrolein	3.180	56	120074M1	127.190	ug/L	
15) Methylene chloride	3.406	84	1517764	116.752	ug/L #	60
17) Acetone	3.450	43	153938M4	116.461	ug/L	
18) trans-1,2-Dichloroethene	3.554	96	1535556	125.515	ug/L	78
19) Methyl acetate	3.562	43	406880	127.948	ug/L #	80
20) Methyl tert-butyl ether	3.648	73	3100668	123.335	ug/L #	80
21) tert-Butyl alcohol	3.749	59	220359	680.657	ug/L	95
22) Diisopropyl ether	4.000	45	3307131	128.026	ug/L #	90
23) 1,1-Dichloroethane	4.122	63	2638620	124.904	ug/L	94
24) Halothane	4.178	117	1165829	126.181	ug/L	99
25) Acrylonitrile	4.162	53	220975	130.333	ug/L	88

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B12.D
Acq On : 3 May 2025 10:00 am
Operator : VOA101:JIC
Sample : I8260STD120PPB
Misc : WG2062144,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 10:06:18 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 09:48:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.343	59	3339335	127.934	ug/L	#	83
27) Vinyl acetate	4.351	43	1549180	130.567	ug/L	#	84
28) cis-1,2-Dichloroethene	4.633	96	1672939	124.699	ug/L	#	76
29) 2,2-Dichloropropane	4.728	77	2085400	127.346	ug/L		80
30) Bromochloromethane	4.822	128	643233	113.156	ug/L	#	64
31) Cyclohexane	4.828	56	2376253	133.540	ug/L	#	51
32) Chloroform	4.892	83	2684015	121.233	ug/L	#	91
33) Ethyl acetate	4.998	43	587298	126.298	ug/L	#	90
34) Carbon tetrachloride	5.026	117	2114934	128.304	ug/L		99
35) Tetrahydrofuran	5.043	42	174430M4	125.795	ug/L		
37) 1,1,1-Trichloroethane	5.087	97	2366866	125.969	ug/L		92
39) 2-Butanone	5.179	43	228807	124.024	ug/L	#	11
40) 1,1-Dichloropropene	5.210	75	2089409	128.327	ug/L		99
41) Benzene	5.450	78	6321991	124.997	ug/L	#	86
42) tert-Amyl methyl ether	5.561	73	3225811	126.988	ug/L		90
44) 1,2-Dichloroethane	5.653	62	1530343	118.776	ug/L		95
47) Methyl cyclohexane	6.033	83	2965482	132.453	ug/L	#	61
48) Trichloroethene	6.044	95	1681076	126.076	ug/L		99
50) Dibromomethane	6.479	93	766096	121.609	ug/L		99
51) 1,2-Dichloropropane	6.577	63	1499649	126.817	ug/L		95
53) 2-Chloroethyl vinyl ether	7.271	63	41966M4	110.771	ug/L		
54) Bromodichloromethane	6.655	83	2040061	125.424	ug/L		100
57) 1,4-Dioxane	6.864	88	59992M1	1271.298	ug/L		
58) cis-1,3-Dichloropropene	7.335	75	2442200	136.821	ug/L	#	76
61) Toluene	7.597	92	4088481	121.265	ug/L		100
62) 4-Methyl-2-pentanone	8.027	58	260521	126.288	ug/L	#	84
63) Tetrachloroethene	8.049	166	1682341	122.811	ug/L		98
65) trans-1,3-Dichloropropene	8.082	75	1959004	117.297	ug/L	#	80
67) Ethyl methacrylate	8.269	69	1480537	130.752	ug/L		99
68) 1,1,2-Trichloroethane	8.266	83	970262	118.368	ug/L		99
69) Chlorodibromomethane	8.478	129	1458066	128.010	ug/L		98
70) 1,3-Dichloropropane	8.587	76	2083466	121.712	ug/L		99
71) 1,2-Dibromoethane	8.749	107	1112337	125.488	ug/L		99
72) 2-Hexanone	9.031	43	406547	136.751	ug/L	#	68
73) Chlorobenzene	9.396	112	4690125	122.931	ug/L		99
74) Ethylbenzene	9.438	91	8464062	127.981	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.485	131	1583214	124.236	ug/L		97
76) p/m Xylene	9.624	106	6382781	255.341	ug/L		98
77) o Xylene	10.171	106	6075033	253.189	ug/L		98
78) Styrene	10.241	104	10079674	260.050	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B12.D
Acq On : 3 May 2025 10:00 am
Operator : VOA101:JIC
Sample : I8260STD120PPB
Misc : WG2062144,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 10:06:18 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 09:48:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.266	173	735997	136.607	ug/L	99
82) Isopropylbenzene	10.561	105	8252482	132.139	ug/L	99
84) Bromobenzene	11.002	156	1707535	125.880	ug/L	100
85) n-Propylbenzene	11.049	91	9616069	131.749	ug/L	98
86) 1,4-Dichlorobutane	11.063	55	1536885	131.971	ug/L	99
87) 1,1,2,2-Tetrachloroethane	11.142	83	1235313	126.213	ug/L	98
88) 4-Ethyltoluene	11.178	105	7862926	131.571	ug/L	99
89) 2-Chlorotoluene	11.220	91	5627522M4	130.678	ug/L	
90) 1,3,5-Trimethylbenzene	11.278	105	6438156	129.936	ug/L	99
91) 1,2,3-Trichloropropane	11.278	75	982343M4	124.397	ug/L	
92) trans-1,4-Dichloro-2-b...	11.331	53	241342M4	135.812	ug/L	
93) 4-Chlorotoluene	11.404	91	5684130	130.428	ug/L	98
94) tert-Butylbenzene	11.618	119	5451137	131.053	ug/L	100
97) 1,2,4-Trimethylbenzene	11.699	105	6242753	130.784	ug/L	99
98) sec-Butylbenzene	11.814	105	8053386	131.451	ug/L	98
99) p-Isopropyltoluene	11.970	119	6659346	132.437	ug/L	99
100) 1,3-Dichlorobenzene	12.037	146	3252928	126.169	ug/L	100
101) 1,4-Dichlorobenzene	12.131	146	3235875	121.747	ug/L	98
102) p-Diethylbenzene	12.346	119	3805259	133.821	ug/L	99
103) n-Butylbenzene	12.405	91	5606867	134.716	ug/L	99
104) 1,2-Dichlorobenzene	12.555	146	2830345	124.440	ug/L	100
105) 1,2,4,5-Tetramethylben...	13.144	119	5252137	136.768	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.339	155	146915	132.336	ug/L	100
107) 1,3,5-Trichlorobenzene	13.372	180	1770113	129.221	ug/L	98
108) Hexachlorobutadiene	13.950	225	656570	134.750	ug/L	100
109) 1,2,4-Trichlorobenzene	13.972	180	1412319	131.740	ug/L	99
110) Naphthalene	14.262	128	2699644	138.001	ug/L	100
111) 1,2,3-Trichlorobenzene	14.435	180	1019399	129.391	ug/L	99

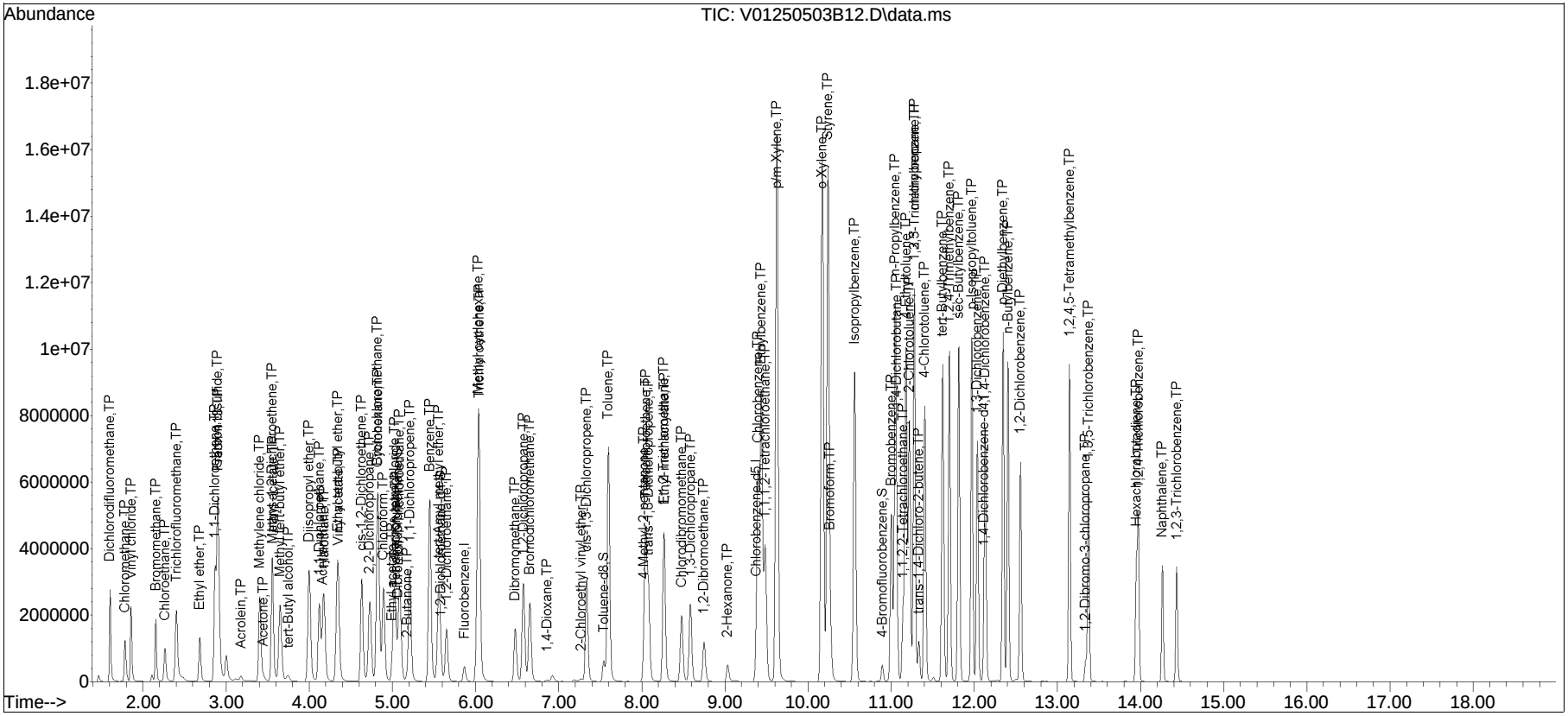
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B12.D
Acq On : 3 May 2025 10:00 am
Operator : VOA101:JIC
Sample : I8260STD120PPB
Misc : WG2062144,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 10:06:18 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 09:48:19 2025
Response via : Initial Calibration

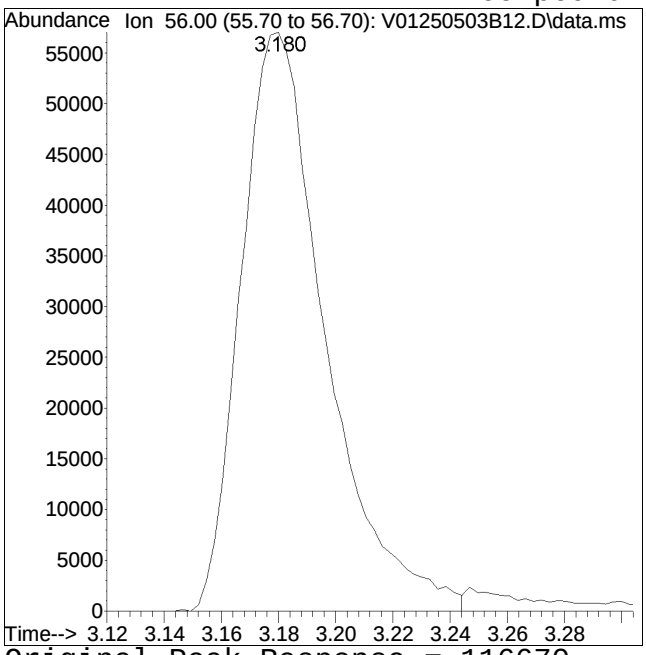
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

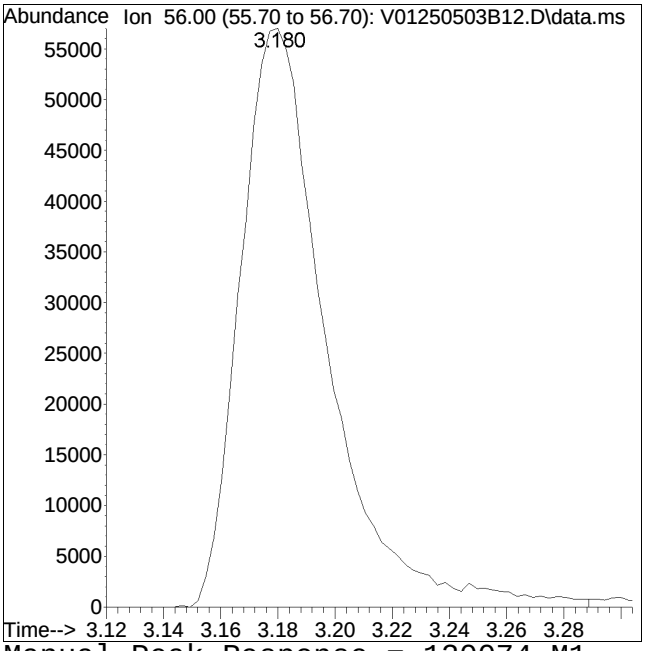


Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B12.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:00 am Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 5/4/2025 9:49 am

Compound #14: Acrolein





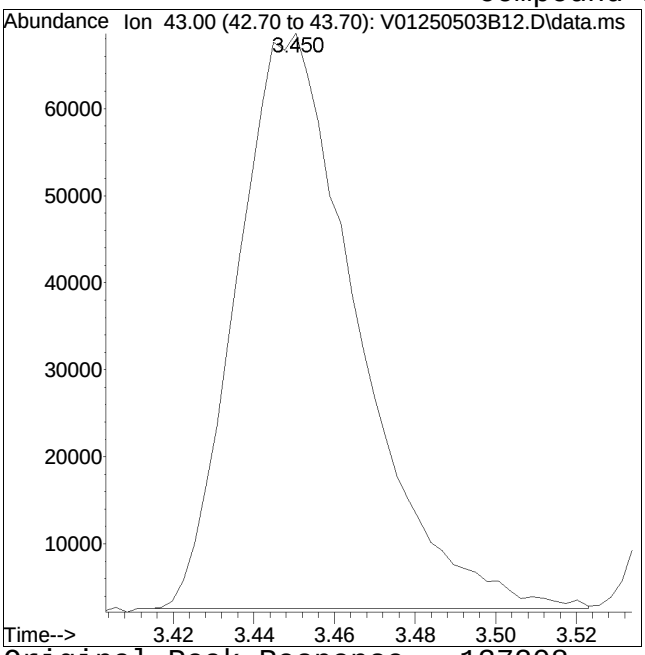
Original Peak Response = 116670 Manual Peak Response = 120074 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

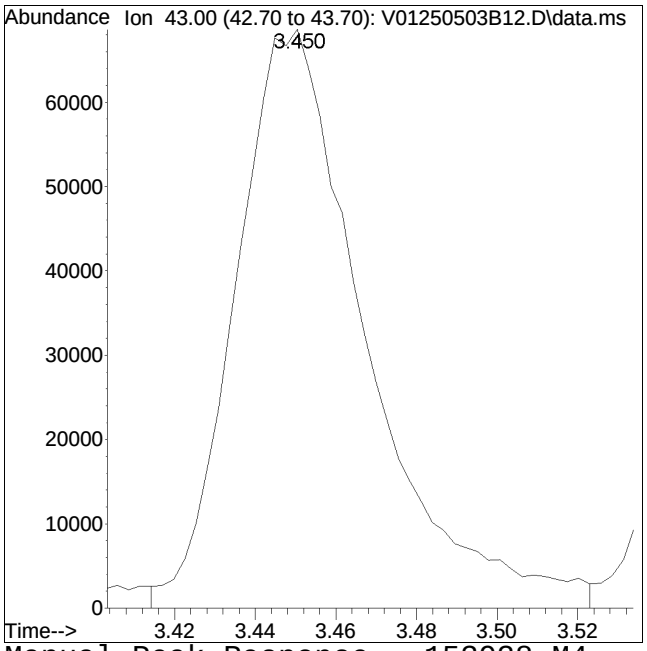
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B12.D
Date Inj'd : 5/3/2025 10:00 am
Sample : I8260STD120PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 9:49 am

Compound #17: Acetone



Original Peak Response = 137208



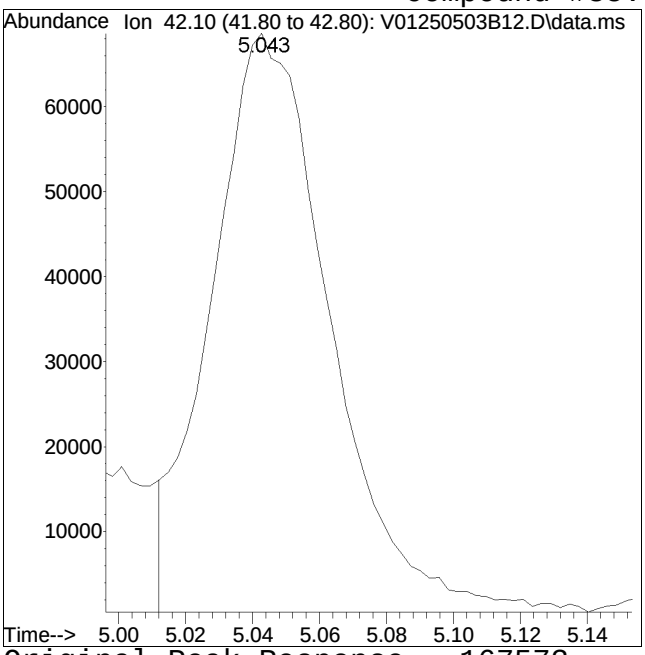
Manual Peak Response = 153938 M4

M4 = Poor automated baseline construction.

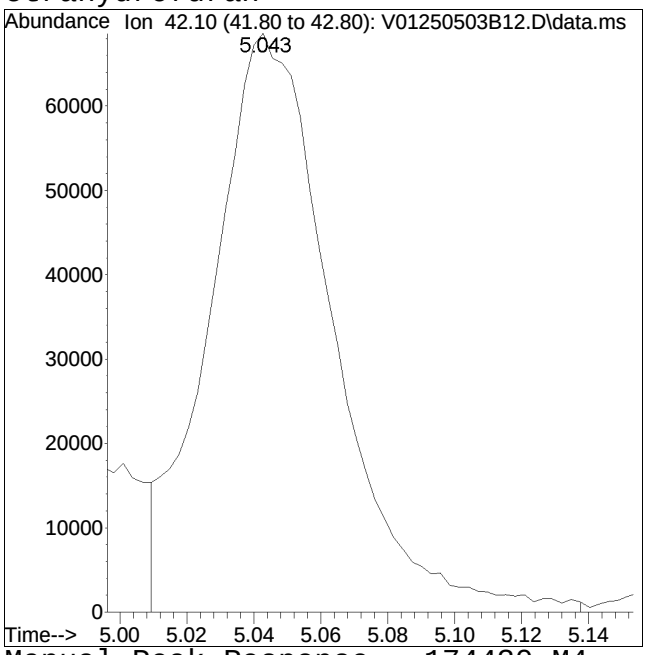
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B12.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:00 am Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 5/4/2025 9:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 167573



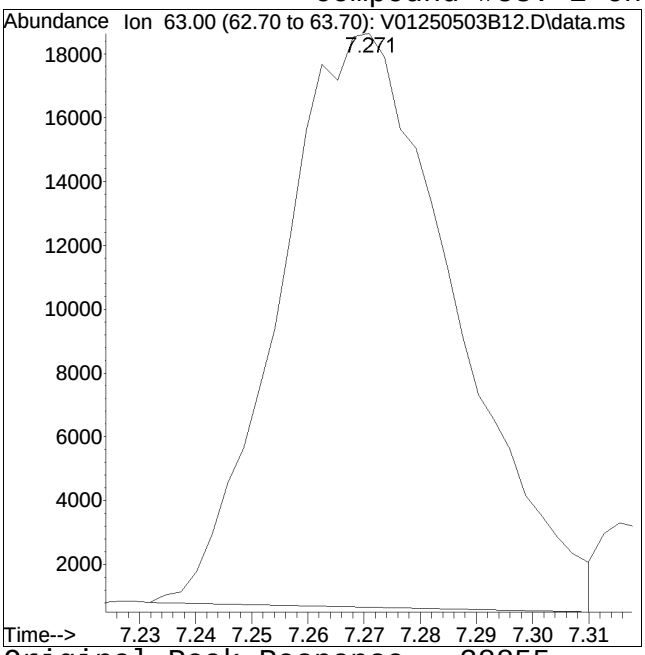
Manual Peak Response = 174430 M4

M4 = Poor automated baseline construction.

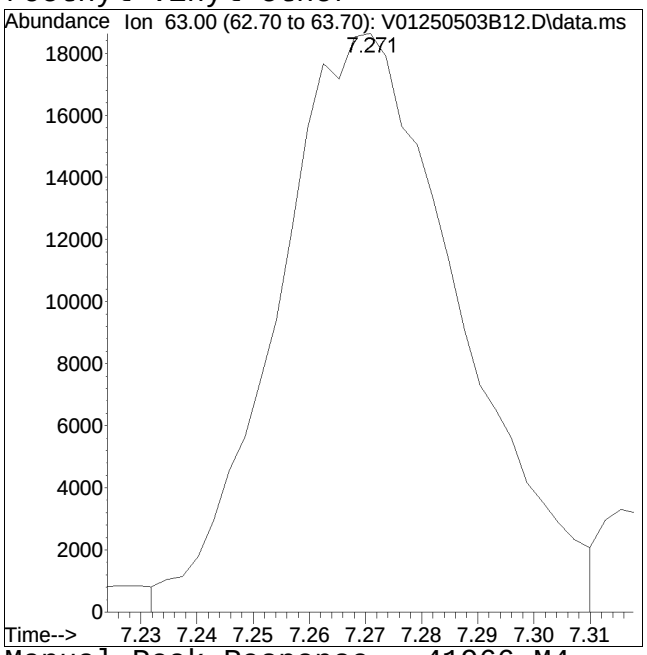
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B12.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:00 am Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 5/4/2025 9:49 am

Compound #53: 2-Chloroethyl vinyl ether



Original Peak Response = 38855



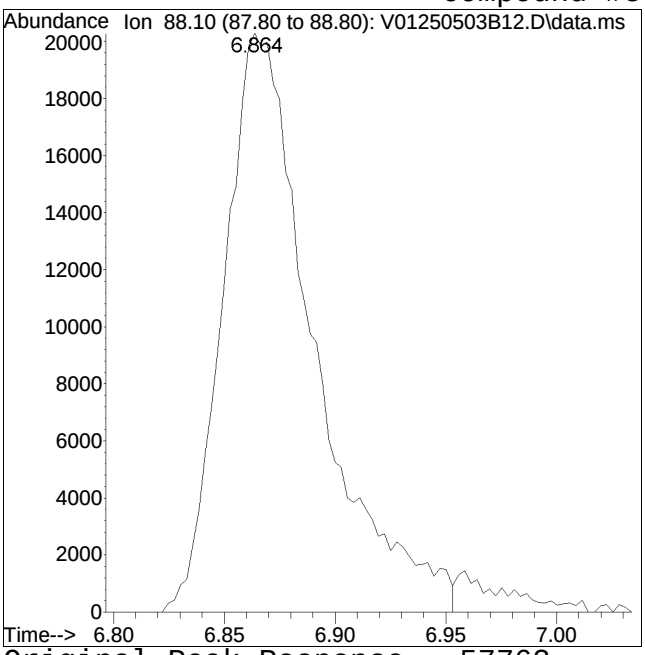
Manual Peak Response = 41966 M4

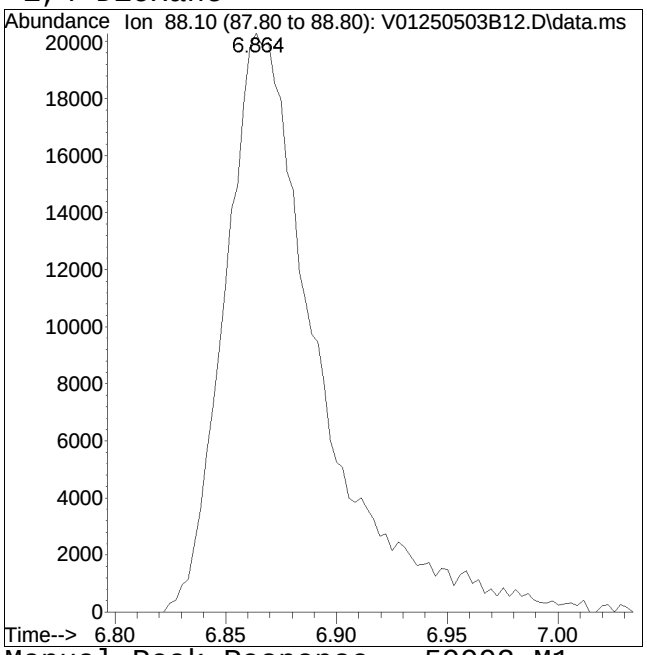
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B12.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:00 am Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 5/4/2025 9:49 am

Compound #57: 1,4-Dioxane





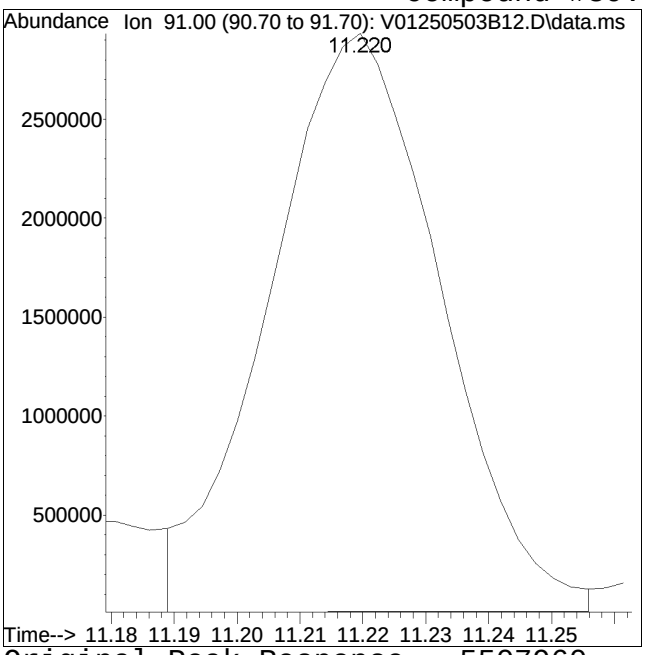
Original Peak Response = 57762 Manual Peak Response = 59992 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

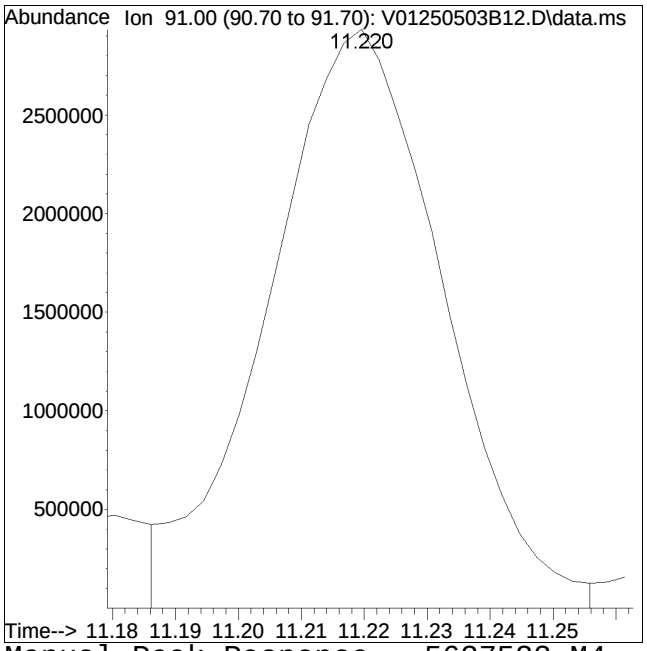
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B12.D
Date Inj'd : 5/3/2025 10:00 am
Sample : I8260STD120PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 9:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 5507960



Manual Peak Response = 5627522 M4

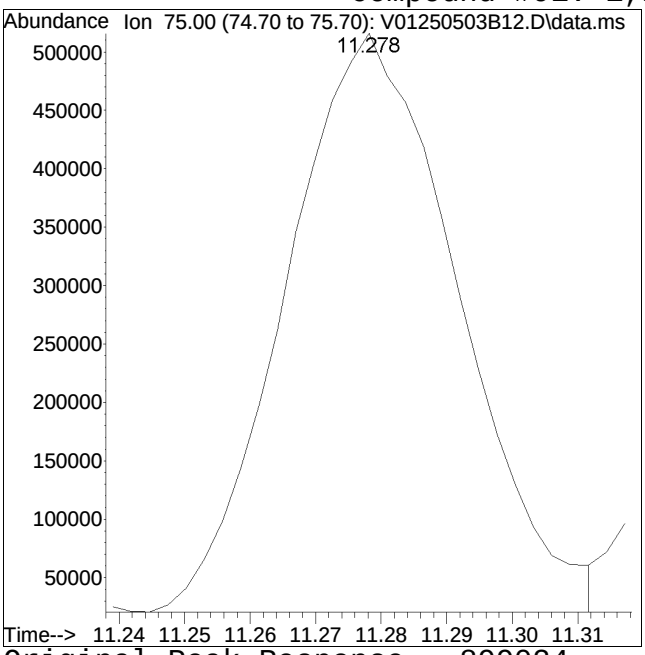
M4 = Poor automated baseline construction.

Manual Integration Report

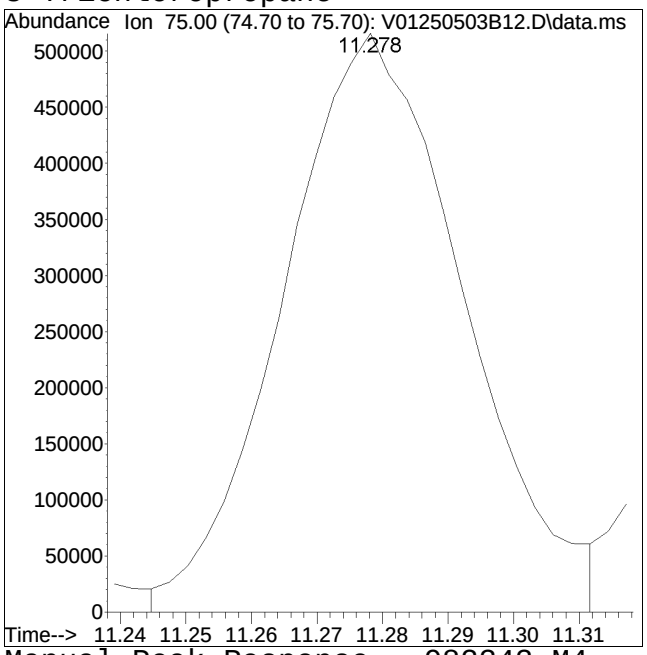
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B12.D
Date Inj'd : 5/3/2025 10:00 am
Sample : I8260STD120PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 9:49 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 899024



Manual Peak Response = 982343 M4

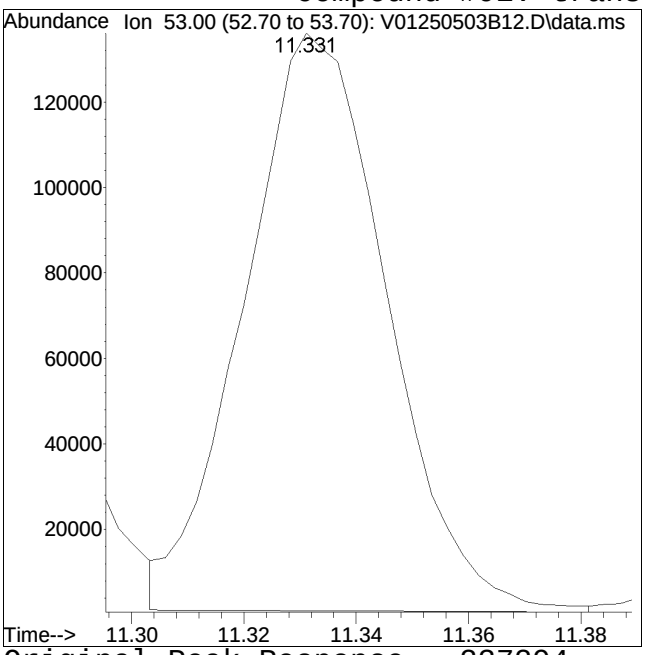
M4 = Poor automated baseline construction.

Manual Integration Report

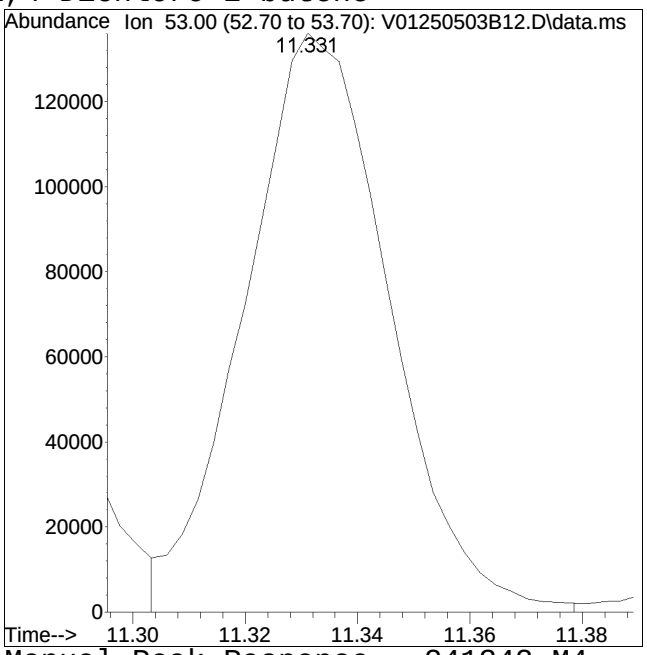
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B12.D
Date Inj'd : 5/3/2025 10:00 am
Sample : I8260STD120PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 9:49 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 237294



Manual Peak Response = 241342 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B13.D
Acq On : 3 May 2025 10:26 am
Operator : VOA101:JIC
Sample : I8260STD200PPB
Misc : WG2062144,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 04 10:06:25 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.868	96	590490	10.000	ug/L	0.00
Standard Area 1 = 428841			Recovery = 137.69%			
59) Chlorobenzene-d5	9.382	117	443558	10.000	ug/L	0.00
Standard Area 1 = 325723			Recovery = 136.18%			
79) 1,4-Dichlorobenzene-d4	12.117	152	214369	10.000	ug/L	0.00
Standard Area 1 = 172502			Recovery = 124.27%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.071	113	147336	9.387	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.87%			
43) 1,2-Dichloroethane-d4	5.587	65	149762	9.619	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.19%			
60) Toluene-d8	7.544	98	628459	10.147	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.47%			
83) 4-Bromofluorobenzene	10.893	95	219271	10.853	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.604	85	3449467	182.757	ug/L #	95
3) Chloromethane	1.783	50	2376297	246.649	ug/L	99
4) Vinyl chloride	1.855	62	3332607	218.174	ug/L	98
5) Bromomethane	2.154	94	1719283	478.987	ug/L	99
6) Chloroethane	2.262	64	1615958	181.621	ug/L	94
7) Trichlorofluoromethane	2.402	101	3916687M1	179.788	ug/L	
8) Ethyl ether	2.684	74	1151865	183.592	ug/L #	53
10) 1,1-Dichloroethene	2.868	96	2664602	199.571	ug/L #	68
11) Carbon disulfide	2.898	76	8969600	208.868	ug/L	100
12) Freon-113	2.904	101	2580846	181.725	ug/L #	73
14) Acrolein	3.180	56	230591	216.196	ug/L	100
15) Methylene chloride	3.406	84	2849716	197.219	ug/L #	62
17) Acetone	3.445	43	295063M4	202.083	ug/L	
18) trans-1,2-Dichloroethene	3.554	96	2838363	198.878	ug/L	80
19) Methyl acetate	3.559	43	771301	222.416	ug/L #	82
20) Methyl tert-butyl ether	3.648	73	5675339	196.700	ug/L #	81
21) tert-Butyl alcohol	3.743	59	411663	1051.892	ug/L	95
22) Diisopropyl ether	4.000	45	6321291	217.088	ug/L #	92
23) 1,1-Dichloroethane	4.122	63	4895094	198.252	ug/L	94
24) Halothane	4.173	117	2108611	193.448	ug/L	99
25) Acrylonitrile	4.164	53	423743	216.887	ug/L	91

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B13.D
Acq On : 3 May 2025 10:26 am
Operator : VOA101:JIC
Sample : I8260STD200PPB
Misc : WG2062144,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 04 10:06:25 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.340	59	6216457	211.088	ug/L	#	84
27) Vinyl acetate	4.348	43	2844346	209.049	ug/L	#	86
28) cis-1,2-Dichloroethene	4.630	96	3072673	194.146	ug/L	#	77
29) 2,2-Dichloropropane	4.730	77	3778367	200.118	ug/L		80
30) Bromochloromethane	4.822	128	1130207	163.024	ug/L	#	67
31) Cyclohexane	4.828	56	4468106	213.228	ug/L	#	55
32) Chloroform	4.892	83	4874781	191.778	ug/L	#	91
33) Ethyl acetate	4.995	43	1101576	211.348	ug/L	#	91
34) Carbon tetrachloride	5.029	117	3883606	193.570	ug/L		97
35) Tetrahydrofuran	5.045	42	318667M4	206.653	ug/L		
37) 1,1,1-Trichloroethane	5.087	97	4281602	190.609	ug/L		92
39) 2-Butanone	5.177	43	438523	219.699	ug/L		93
40) 1,1-Dichloropropene	5.210	75	3836334	197.583	ug/L		99
41) Benzene	5.450	78	11919388	201.619	ug/L	#	86
42) tert-Amyl methyl ether	5.561	73	6113480	213.928	ug/L		90
44) 1,2-Dichloroethane	5.651	62	2848988	188.892	ug/L		95
47) Methyl cyclohexane	6.033	83	5457324	202.885	ug/L	#	64
48) Trichloroethene	6.044	95	3129789	200.710	ug/L		97
50) Dibromomethane	6.479	93	1429912	197.124	ug/L		100
51) 1,2-Dichloropropane	6.576	63	2886132	211.813	ug/L		96
53) 2-Chloroethyl vinyl ether	7.274	63	66552M4	108.055	ug/L		
54) Bromodichloromethane	6.655	83	3849088	206.195	ug/L		99
57) 1,4-Dioxane	6.866	88	107801M1	1894.450	ug/L		
58) cis-1,3-Dichloropropene	7.335	75	4619586	223.072	ug/L	#	76
61) Toluene	7.600	92	7660418	203.485	ug/L		100
62) 4-Methyl-2-pentanone	8.029	58	506951	248.664	ug/L	#	84
63) Tetrachloroethene	8.049	166	3080752	193.421	ug/L		98
65) trans-1,3-Dichloropropene	8.082	75	3686231	227.046	ug/L	#	80
67) Ethyl methacrylate	8.269	69	2665279	232.267	ug/L		98
68) 1,1,2-Trichloroethane	8.266	83	1746206	193.259	ug/L		100
69) Chlorodibromomethane	8.478	129	2585850	210.691	ug/L		98
70) 1,3-Dichloropropane	8.587	76	3705842	203.373	ug/L		100
71) 1,2-Dibromoethane	8.752	107	1964650	203.152	ug/L		99
72) 2-Hexanone	9.030	43	738293	253.452	ug/L	#	68
73) Chlorobenzene	9.399	112	8185837	198.654	ug/L		100
74) Ethylbenzene	9.440	91	14844888	204.805	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.488	131	2771314	202.384	ug/L		97
76) p/m Xylene	9.630	106	10673592	382.770	ug/L	#	1
77) o Xylene	10.174	106	10209347	378.111	ug/L	#	1
78) Styrene	10.241	104	16781380	387.475	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B13.D
Acq On : 3 May 2025 10:26 am
Operator : VOA101:JIC
Sample : I8260STD200PPB
Misc : WG2062144,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 04 10:06:25 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.274	173	1270935	228.122	ug/L	99
82) Isopropylbenzene	10.561	105	14001062	213.264	ug/L	99
84) Bromobenzene	11.005	156	2915382	205.539	ug/L	99
85) n-Propylbenzene	11.052	91	16155499	209.229	ug/L	98
86) 1,4-Dichlorobutane	11.069	55	2683906	230.906	ug/L	100
87) 1,1,2,2-Tetrachloroethane	11.144	83	2104655	203.912	ug/L	98
88) 4-Ethyltoluene	11.183	105	13310720	210.717	ug/L	98
89) 2-Chlorotoluene	11.222	91	9486932M4	214.865	ug/L	
90) 1,3,5-Trimethylbenzene	11.281	105	10875800	208.678	ug/L	98
91) 1,2,3-Trichloropropane	11.281	75	1644595M4	200.345	ug/L	
92) trans-1,4-Dichloro-2-b...	11.334	53	417159M4	253.962	ug/L	
93) 4-Chlorotoluene	11.406	91	9713237	214.951	ug/L	97
94) tert-Butylbenzene	11.624	119	9164546	206.890	ug/L	98
97) 1,2,4-Trimethylbenzene	11.702	105	10565010	210.518	ug/L	98
98) sec-Butylbenzene	11.814	105	13539202	208.937	ug/L	98
99) p-Isopropyltoluene	11.972	119	11179555	209.481	ug/L	99
100) 1,3-Dichlorobenzene	12.039	146	5495925	203.098	ug/L	99
101) 1,4-Dichlorobenzene	12.131	146	5488230	202.742	ug/L	98
102) p-Diethylbenzene	12.349	119	6383940	213.997	ug/L	98
103) n-Butylbenzene	12.408	91	9479547	217.338	ug/L	99
104) 1,2-Dichlorobenzene	12.558	146	4788547	202.435	ug/L	100
105) 1,2,4,5-Tetramethylben...	13.147	119	8889316	225.084	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.342	155	251273	234.760	ug/L	100
107) 1,3,5-Trichlorobenzene	13.372	180	3002416	214.478	ug/L	98
108) Hexachlorobutadiene	13.950	225	1142735	235.759	ug/L	99
109) 1,2,4-Trichlorobenzene	13.975	180	2421073	220.682	ug/L	99
110) Naphthalene	14.265	128	4624222	229.316	ug/L	100
111) 1,2,3-Trichlorobenzene	14.435	180	1751843	217.121	ug/L	98

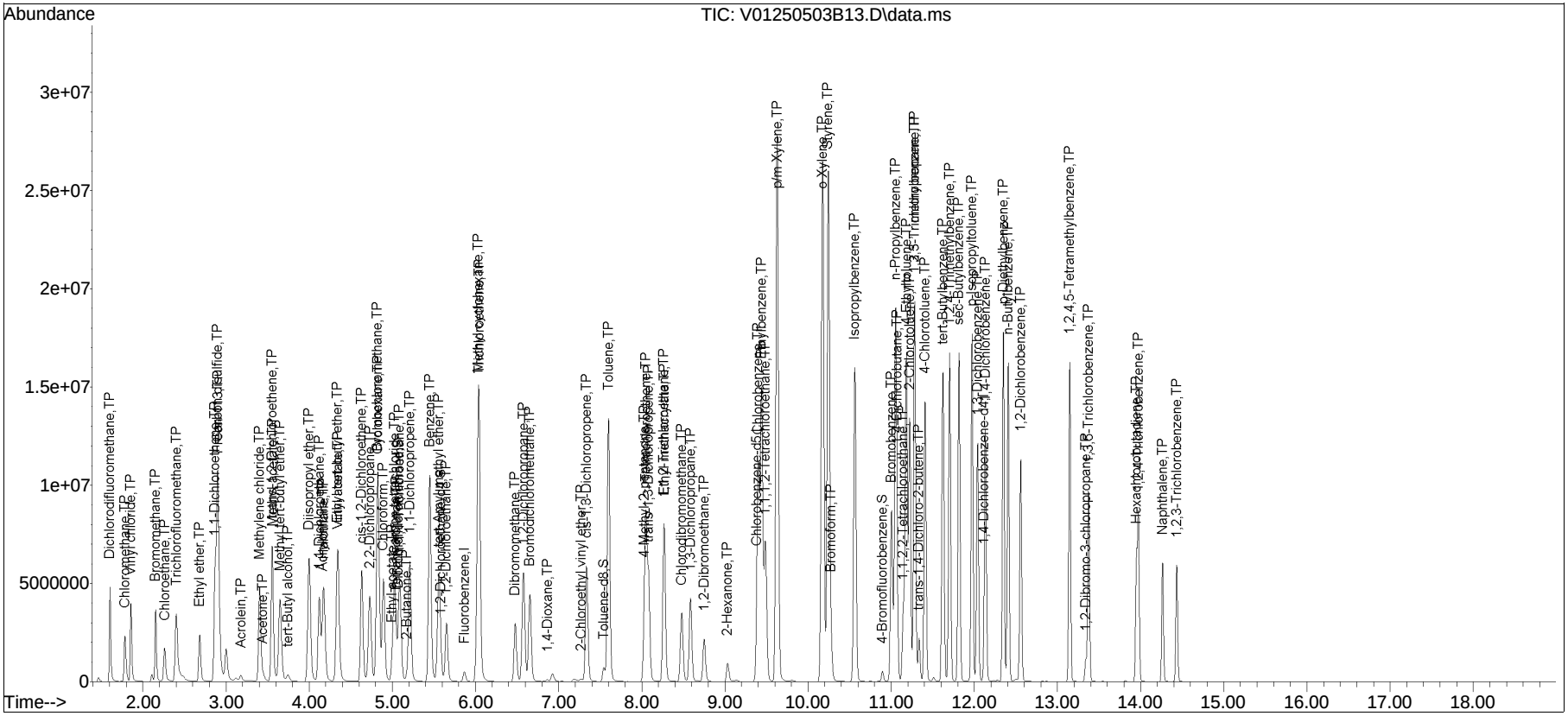
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B13.D
Acq On : 3 May 2025 10:26 am
Operator : VOA101:JIC
Sample : I8260STD200PPB
Misc : WG2062144,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 04 10:06:25 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun May 04 08:46:40 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

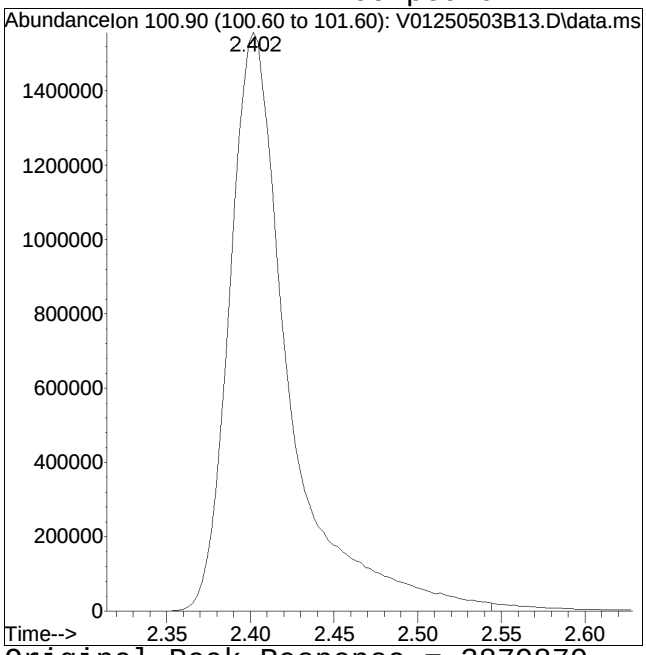


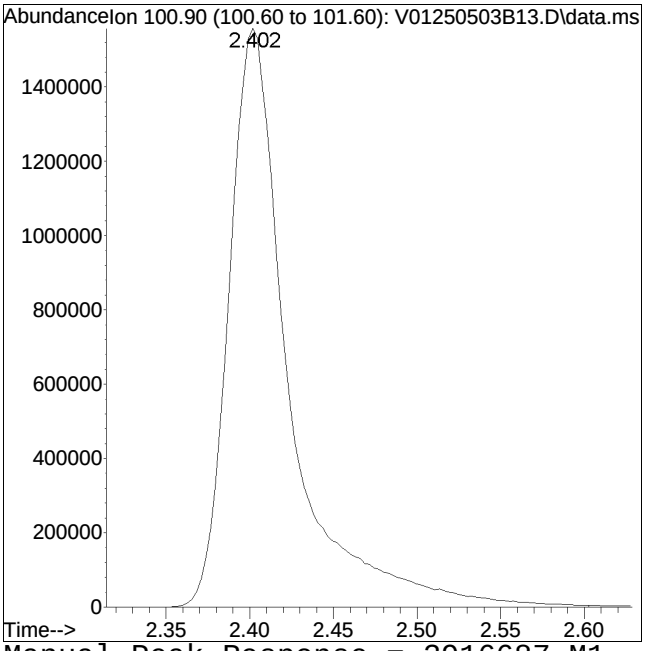
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B13.D
Date Inj'd : 5/3/2025 10:26 am
Sample : I8260STD200PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #7: Trichlorofluoromethane





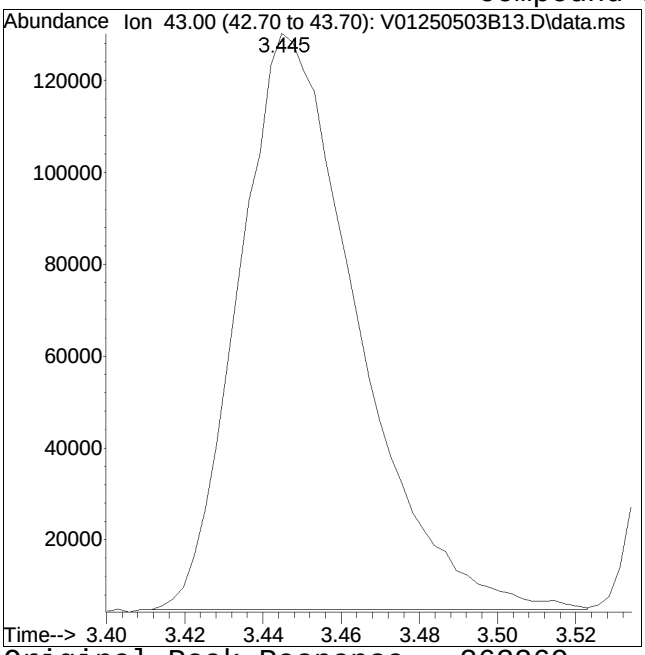
Original Peak Response = 3879879 Manual Peak Response = 3916687 M1

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

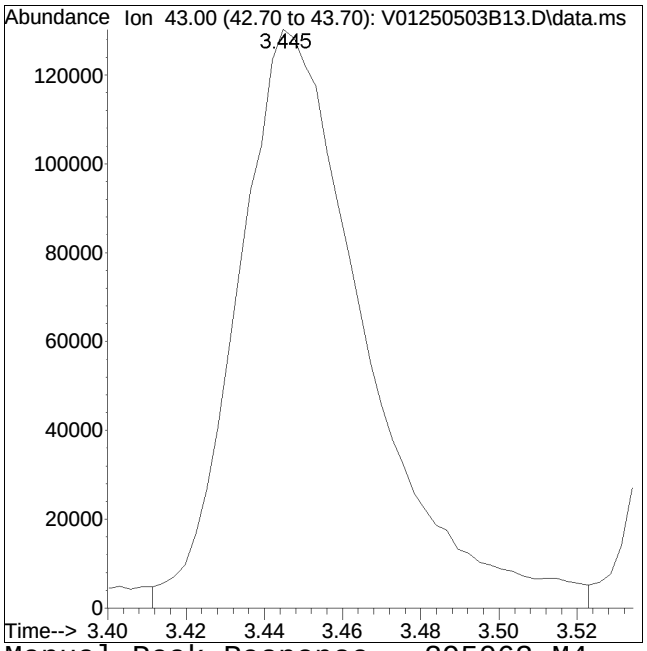
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B13.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:26 am Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 5/4/2025 8:48 am

Compound #17: Acetone



Original Peak Response = 263269



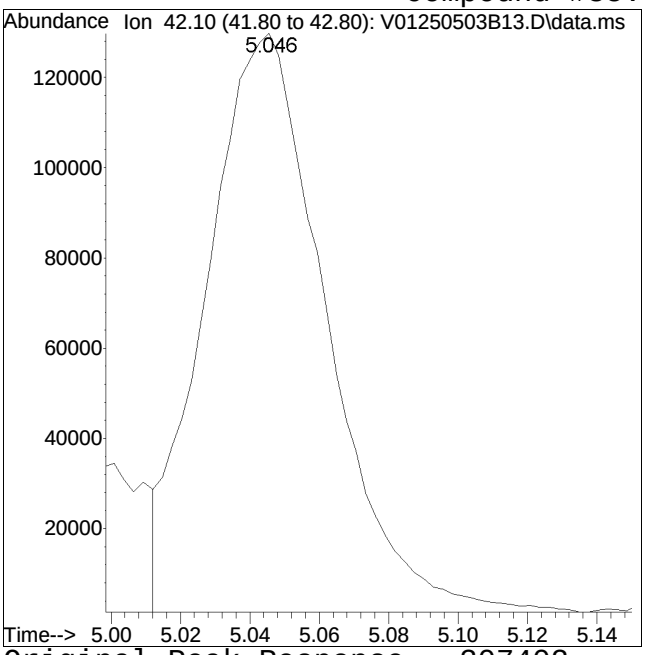
Manual Peak Response = 295063 M4

M4 = Poor automated baseline construction.

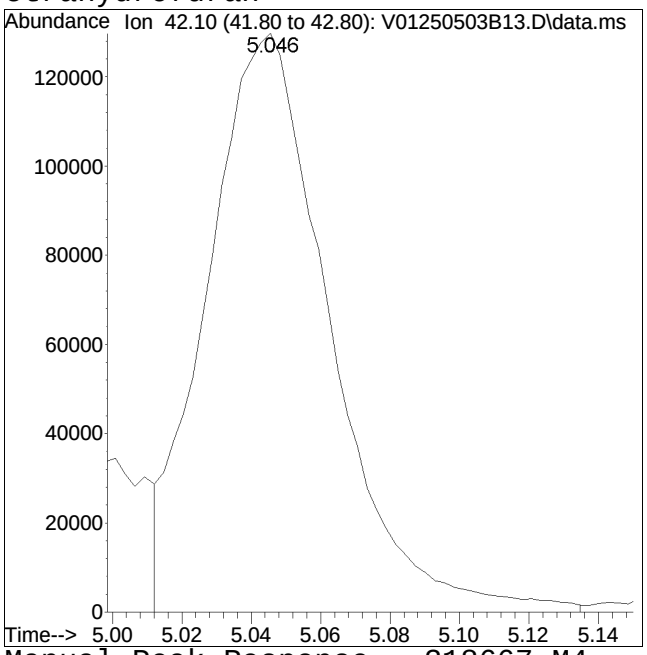
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B13.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:26 am Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 5/4/2025 8:48 am

Compound #35: Tetrahydrofuran



Original Peak Response = 307402



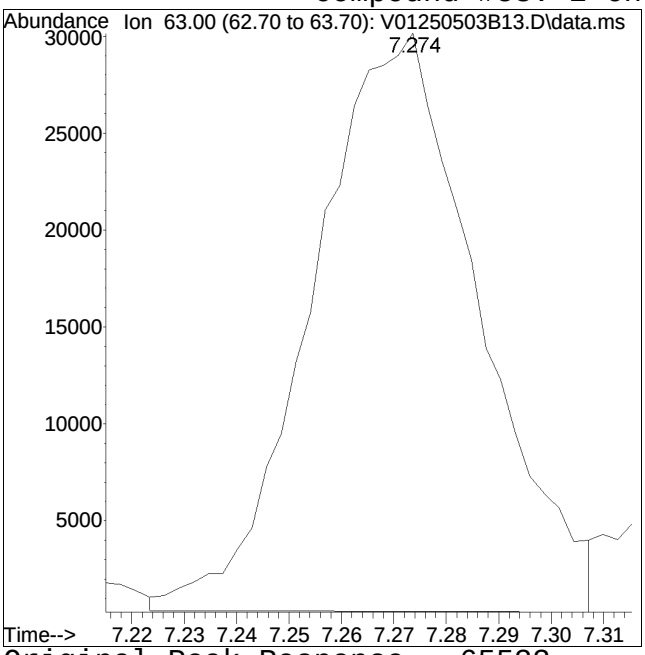
Manual Peak Response = 318667 M4

M4 = Poor automated baseline construction.

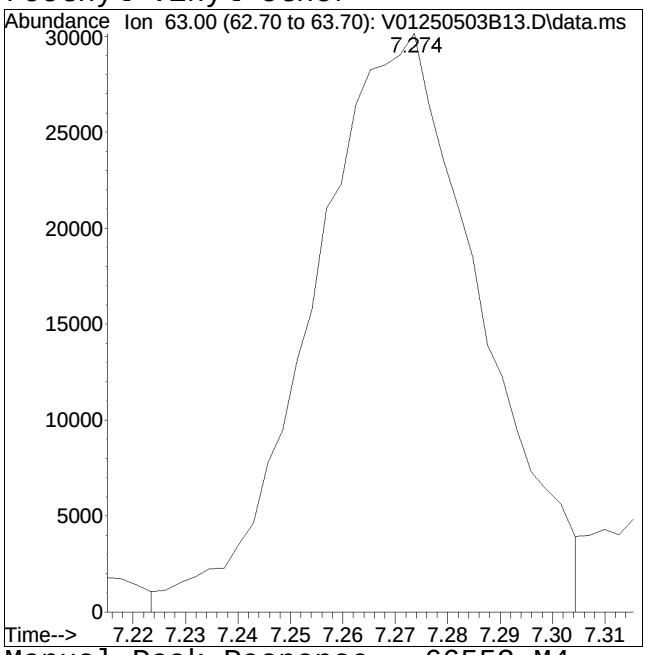
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B13.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:26 am Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 5/4/2025 8:48 am

Compound #53: 2-Chloroethyl vinyl ether



Original Peak Response = 65533



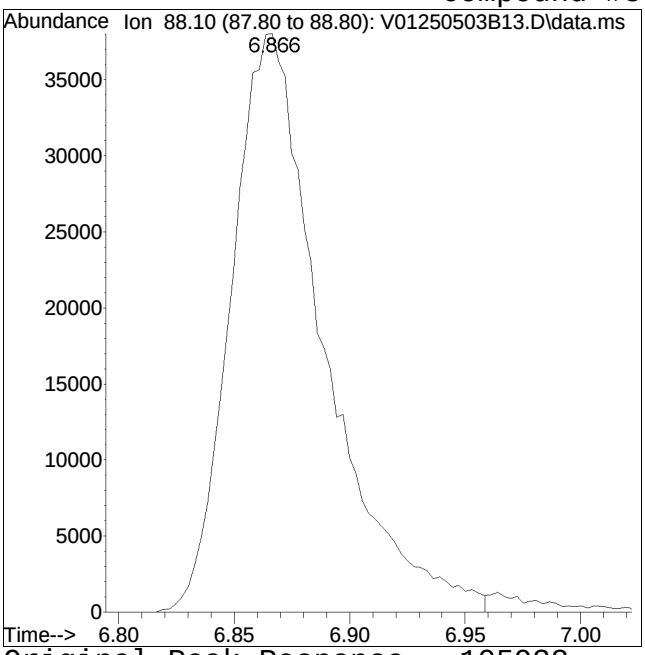
Manual Peak Response = 66552 M4

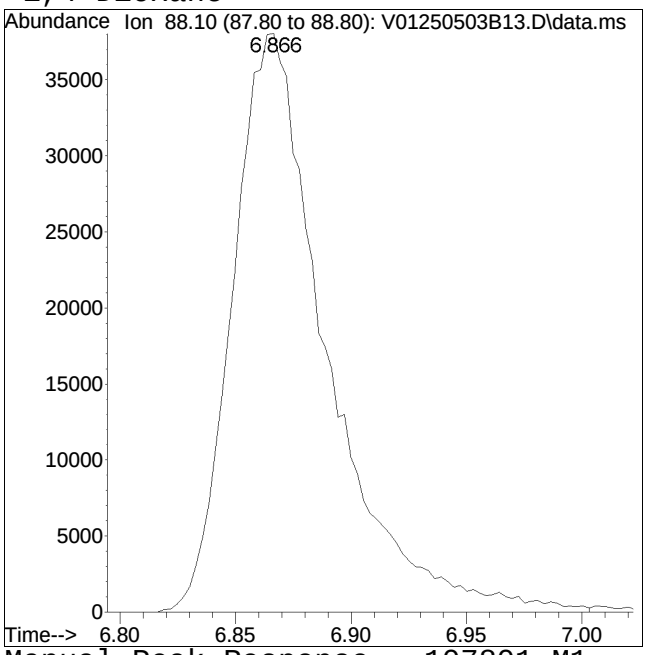
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B13.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:26 am Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 5/4/2025 8:48 am

Compound #57: 1,4-Dioxane





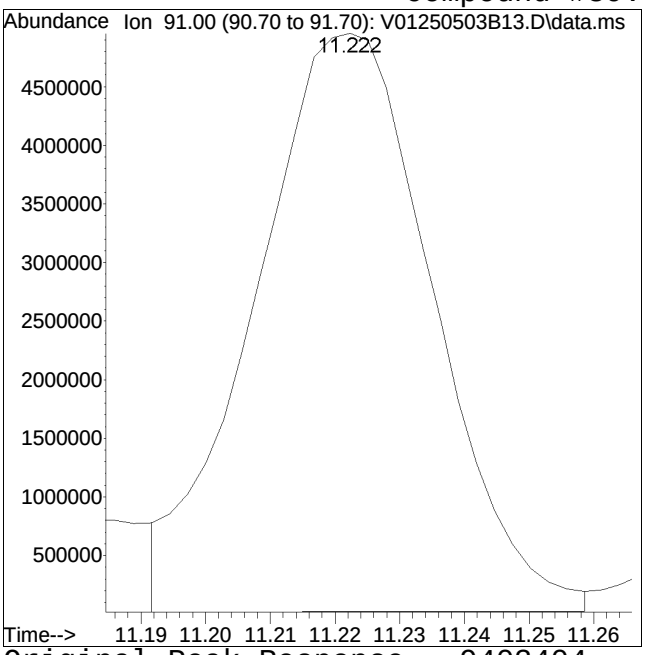
Original Peak Response = 105932 Manual Peak Response = 107801 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

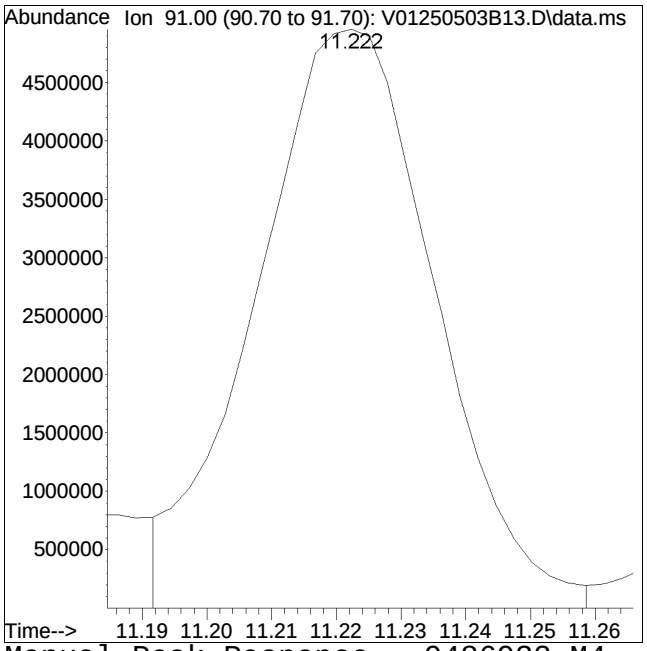
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B13.D
Date Inj'd : 5/3/2025 10:26 am
Sample : I8260STD200PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 9403404



Manual Peak Response = 9486932 M4

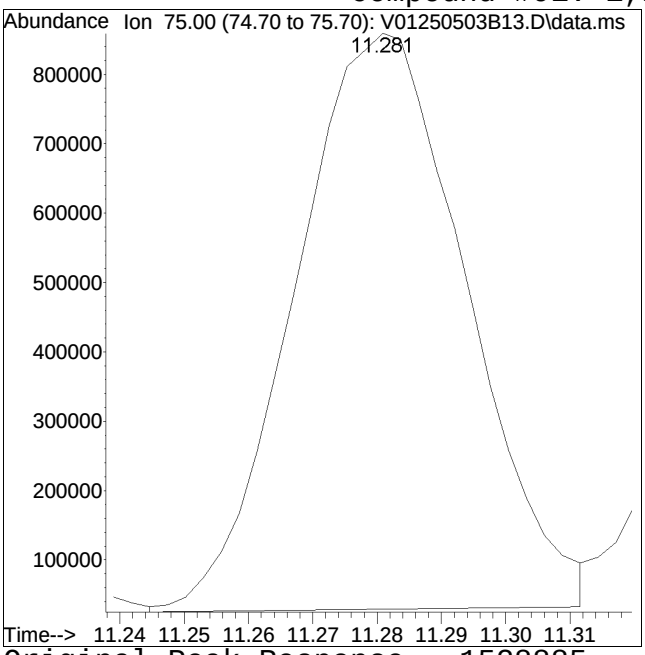
M4 = Poor automated baseline construction.

Manual Integration Report

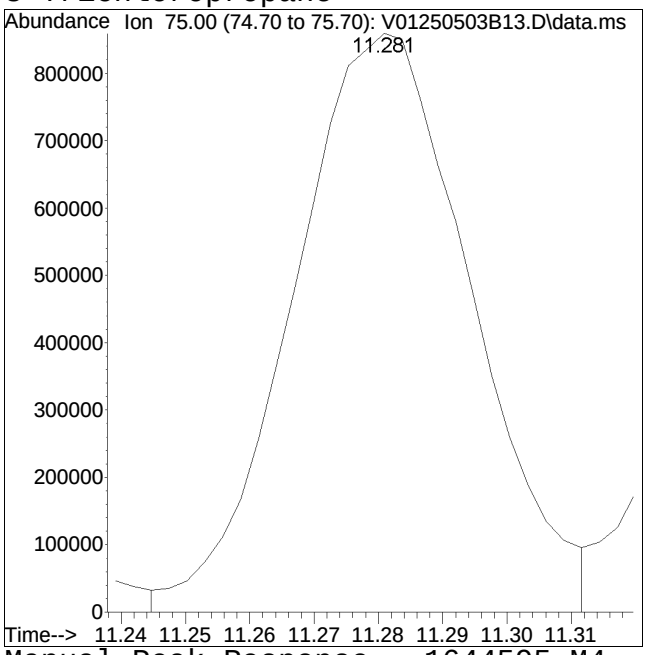
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B13.D
Date Inj'd : 5/3/2025 10:26 am
Sample : I8260STD200PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/4/2025 8:48 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1528885



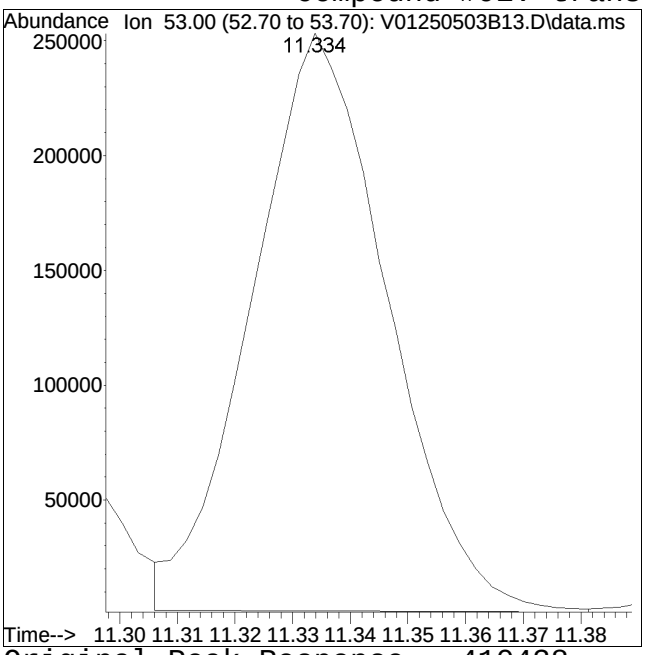
Manual Peak Response = 1644595 M4

M4 = Poor automated baseline construction.

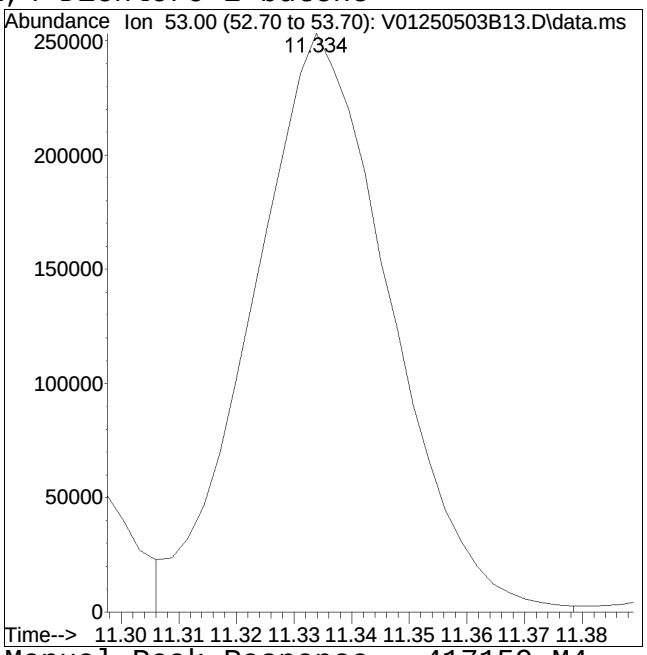
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B13.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 10:26 am Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 5/4/2025 8:48 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 410438



Manual Peak Response = 417159 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B18.D
Acq On : 3 May 2025 12:36 pm
Operator : VOA101:JIC
Sample : C8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 05 12:04:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	135	0.00
2	TP	Dichlorodifluoromethane	0.305	0.322	-5.6	136	0.00
3	TP	Chloromethane	0.181	0.224	-23.8#	185	0.00
4	TP	Vinyl chloride	0.262	0.304	-16.0	159	0.00
5	TP	Bromomethane	* 10.000	10.517	-5.2	168	0.00
6	TP	Chloroethane	0.148	0.163	-10.1	146	0.00
7	TP	Trichlorofluoromethane	0.351	0.374	-6.6	137	0.00
8	TP	Ethyl ether	0.105	0.108	-2.9	137	0.00
10	TP	1,1-Dichloroethene	0.215	0.213	0.9	127	0.00
11	TP	Carbon disulfide	0.719	0.652	9.3	121	0.00
12	TP	Freon-113	0.217	0.237	-9.2	133	0.00
14	TP	Acrolein	0.018	0.017	5.6	127	0.00
15	TP	Methylene chloride	0.251	0.245	2.4	135	0.00
17	TP	Acetone	0.025	0.025	0.0	137	0.00
18	TP	trans-1,2-Dichloroethene	0.237	0.247	-4.2	138	0.00
19	TP	Methyl acetate	0.062	0.065	-4.8	150	0.00
20	TP	Methyl tert-butyl ether	0.488	0.449	8.0	124	0.00
21	TP	tert-Butyl alcohol	0.00638	0.00769#	-20.5#	157	0.00
22	TP	Diisopropyl ether	0.500	0.537	-7.4	147	0.00
23	TP	1,1-Dichloroethane	0.411	0.435	-5.8	140	0.00
24	TP	Halothane	0.180	0.194	-7.8	142	0.00
25	TP	Acrylonitrile	0.033	0.036	-9.1	146	0.00
26	TP	Ethyl tert-butyl ether	0.508	0.519	-2.2	141	0.00
27	TP	Vinyl acetate	0.228	0.200	12.3	117	0.00
28	TP	cis-1,2-Dichloroethene	0.263	0.266	-1.1	134	0.00
29	TP	2,2-Dichloropropane	0.319	0.308	3.4	130	0.00
30	TP	Bromochloromethane	0.110	0.115	-4.5	132	0.00
31	TP	Cyclohexane	0.346	0.377	-9.0	143	0.00
32	TP	Chloroform	0.429	0.430	-0.2	135	0.00
33	TP	Ethyl acetate	0.090	0.092	-2.2	141	0.00
34	TP	Carbon tetrachloride	0.319	0.321	-0.6	128	0.00
35	TP	Tetrahydrofuran	0.027	0.032	-18.5	164	0.00
36	S	Dibromofluoromethane	0.263	0.257	2.3	130	0.00
37	TP	1,1,1-Trichloroethane	0.366	0.379	-3.6	135	0.00
39	TP	2-Butanone	0.035	0.035	0.0	141	0.00
40	TP	1,1-Dichloropropene	0.317	0.365	-15.1	150	0.00
41	TP	Benzene	0.981	1.030	-5.0	139	0.00
42	TP	tert-Amyl methyl ether	0.494	0.472	4.5	132	0.00
43	S	1,2-Dichloroethane-d4	0.262	0.252	3.8	129	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B18.D
Acq On : 3 May 2025 12:36 pm
Operator : VOA101:JIC
Sample : C8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 05 12:04:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.250	0.249	0.4	132	0.00
47	TP	Methyl cyclohexane	0.436	0.442	-1.4	131	0.00
48	TP	Trichloroethene	0.260	0.276	-6.2	141	-0.01
50	TP	Dibromomethane	0.122	0.121	0.8	133	0.00
51	TP	1,2-Dichloropropane	0.229	0.238	-3.9	139	0.00
53	TP	2-Chloroethyl vinyl ether	0.00715	0.00873#	-22.1#	143	0.00
54	TP	Bromodichloromethane	0.316	0.298#	5.7	127	0.00
57	TP	1,4-Dioxane	0.00093	0.00103#	-10.8	145	0.00
58	TP	cis-1,3-Dichloropropene	0.346	0.349	-0.9	134	-0.02
59	I	Chlorobenzene-d5	1.000	1.000	0.0	129	0.00
60	S	Toluene-d8	1.375	1.415	-2.9	131	0.00
61	TP	Toluene	0.818	0.897	-9.7	136	0.00
62	TP	4-Methyl-2-pentanone	0.049	0.050	-2.0	141	0.00
63	TP	Tetrachloroethene	0.331	0.358	-8.2	129	-0.02
65	TP	trans-1,3-Dichloropropene	* 10.000	9.700	3.0	136	-0.03
67	TP	Ethyl methacrylate	0.274	0.275	-0.4	137	0.00
68	TP	1,1,2-Trichloroethane	0.197	0.202	-2.5	128	0.00
69	TP	Chlorodibromomethane	0.276	0.274	0.7	128	0.00
70	TP	1,3-Dichloropropane	0.413	0.427	-3.4	134	0.00
71	TP	1,2-Dibromoethane	0.214	0.221	-3.3	131	0.00
72	TP	2-Hexanone	0.072	0.074	-2.8	145	0.00
73	TP	Chlorobenzene	0.921	0.955	-3.7	133	0.00
74	TP	Ethylbenzene	1.603	1.713	-6.9	135	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.308	0.308	0.0	129	0.00
76	TP	p/m Xylene	0.605	0.649	-7.3	133	0.00
77	TP	o Xylene	0.584	0.608	-4.1	129	0.00
78	TP	Styrene	0.945	0.988	-4.6	131	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
80	TP	Bromoform	0.259	0.267	-3.1	125	0.00
82	TP	Isopropylbenzene	3.017	3.268	-8.3	130	0.00
83	S	4-Bromofluorobenzene	0.968	1.013	-4.6	131	0.00
84	TP	Bromobenzene	0.655	0.689	-5.2	127	0.00
85	TP	n-Propylbenzene	3.525	3.854	-9.3	130	0.00
86	TP	1,4-Dichlorobutane	0.561	0.621	-10.7	139	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.471	0.489	-3.8	124	0.00
88	TP	4-Ethyltoluene	2.891	3.106	-7.4	128	0.00
89	TP	2-Chlorotoluene	2.083	2.228	-7.0	132	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B18.D
Acq On : 3 May 2025 12:36 pm
Operator : VOA101:JIC
Sample : C8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 05 12:04:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene	2.395	2.535	-5.8	127	0.00
91 TP	1,2,3-Trichloropropane	0.383	0.408	-6.5	130	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.086	0.092	-7.0	147	0.00
93 TP	4-Chlorotoluene	2.105	2.181	-3.6	126	0.00
94 TP	tert-Butylbenzene	2.007	2.140	-6.6	126	0.00
97 TP	1,2,4-Trimethylbenzene	2.310	2.498	-8.1	130	0.00
98 TP	sec-Butylbenzene	2.969	3.122	-5.2	126	0.00
99 TP	p-Isopropyltoluene	2.426	2.563	-5.6	125	0.00
100 TP	1,3-Dichlorobenzene	1.253	1.286	-2.6	124	0.00
101 TP	1,4-Dichlorobenzene	1.292	1.297	-0.4	125	0.00
102 TP	p-Diethylbenzene	1.372	1.378	-0.4	121	0.00
103 TP	n-Butylbenzene	2.015	2.176	-8.0	130	0.00
104 TP	1,2-Dichlorobenzene	1.098	1.121	-2.1	124	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.856	1.915	-3.2	127	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.054	0.054	0.0	131	0.00
107 TP	1,3,5-Trichlorobenzene	0.668	0.651	2.5	121	0.00
108 TP	Hexachlorobutadiene	0.237	0.238	-0.4	128	0.00
109 TP	1,2,4-Trichlorobenzene	0.519	0.515	0.8	122	0.00
110 TP	Naphthalene	0.957	0.983	-2.7	127	0.00
111 TP	1,2,3-Trichlorobenzene	0.383	0.386#	-0.8	125	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B18.D
Acq On : 3 May 2025 12:36 pm
Operator : VOA101:JIC
Sample : C8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 05 12:04:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.868	96	578904	10.000 ug/L	0.00
Standard Area 1 = 428841			Recovery = 134.99%		
59) Chlorobenzene-d5	9.379	117	420539	10.000 ug/L	0.00
Standard Area 1 = 325723			Recovery = 129.11%		
79) 1,4-Dichlorobenzene-d4	12.115	152	210055	10.000 ug/L	0.00
Standard Area 1 = 172502			Recovery = 121.77%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.068	113	148622	9.760 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.60%		
43) 1,2-Dichloroethane-d4	5.587	65	146152	9.646 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.46%		
60) Toluene-d8	7.541	98	594929	10.289 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.89%		
83) 4-Bromofluorobenzene	10.896	95	212820	10.461 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.61%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.604	85	186237	10.536 ug/L #	95
3) Chloromethane	1.788	50	129461	12.332 ug/L	99
4) Vinyl chloride	1.855	62	175944	11.592 ug/L	98
5) Bromomethane	2.154	94	43845	10.517 ug/L	100
6) Chloroethane	2.265	64	94521	11.009 ug/L	94
7) Trichlorofluoromethane	2.399	101	216430	10.658 ug/L	100
8) Ethyl ether	2.686	74	62319	10.251 ug/L #	51
10) 1,1-Dichloroethene	2.868	96	123334	9.890 ug/L #	68
11) Carbon disulfide	2.898	76	377243	9.066 ug/L	100
12) Freon-113	2.907	101	137269	10.909 ug/L	96
14) Acrolein	3.191	56	9840M1	9.380 ug/L	
15) Methylene chloride	3.406	84	141683	9.754 ug/L #	62
17) Acetone	3.453	43	14572	9.986 ug/L #	69
18) trans-1,2-Dichloroethene	3.556	96	143011	10.425 ug/L	79
19) Methyl acetate	3.565	43	37873	10.523 ug/L #	82
20) Methyl tert-butyl ether	3.654	73	259838	9.200 ug/L #	76
21) tert-Butyl alcohol	3.746	59	22272	60.327 ug/L #	75
22) Diisopropyl ether	4.000	45	310939	10.750 ug/L #	91
23) 1,1-Dichloroethane	4.123	63	251813	10.588 ug/L	95
24) Halothane	4.178	117	112434	10.767 ug/L	99
25) Acrylonitrile	4.173	53	20661M1	10.765 ug/L	

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B18.D
Acq On : 3 May 2025 12:36 pm
Operator : VOA101:JIC
Sample : C8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 05 12:04:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.343	59	300633	10.228	ug/L	#	88
27) Vinyl acetate	4.360	43	115505	8.750	ug/L	#	87
28) cis-1,2-Dichloroethene	4.638	96	153900	10.101	ug/L	#	75
29) 2,2-Dichloropropane	4.730	77	178138	9.632	ug/L		82
30) Bromochloromethane	4.825	128	66294	10.366	ug/L	#	67
31) Cyclohexane	4.825	56	217960	10.871	ug/L	#	54
32) Chloroform	4.895	83	248965	10.036	ug/L	#	91
33) Ethyl acetate	5.007	43	53355	10.275	ug/L	#	90
34) Carbon tetrachloride	5.029	117	185967	10.071	ug/L		98
35) Tetrahydrofuran	5.057	42	18415M4	11.811	ug/L		
37) 1,1,1-Trichloroethane	5.087	97	219440	10.369	ug/L		93
39) 2-Butanone	5.196	43	20498	10.042	ug/L	#	87
40) 1,1-Dichloropropene	5.213	75	211536	11.525	ug/L		99
41) Benzene	5.453	78	596194	10.503	ug/L	#	86
42) tert-Amyl methyl ether	5.561	73	273230	9.561	ug/L		94
44) 1,2-Dichloroethane	5.654	62	144259	9.958	ug/L		97
47) Methyl cyclohexane	6.033	83	255941	10.144	ug/L	#	63
48) Trichloroethene	6.047	95	159540	10.606	ug/L		99
50) Dibromomethane	6.484	93	70006	9.896	ug/L		99
51) 1,2-Dichloropropane	6.582	63	137831	10.414	ug/L		94
53) 2-Chloroethyl vinyl ether	7.279	63	5055	12.209	ug/L	#	91
54) Bromodichloromethane	6.657	83	172800	9.433	ug/L		99
57) 1,4-Dioxane	6.869	88	29952M1	553.692	ug/L		
58) cis-1,3-Dichloropropene	7.343	75	202093	10.081	ug/L	#	77
61) Toluene	7.597	92	377224	10.960	ug/L		100
62) 4-Methyl-2-pentanone	8.038	58	21073	10.162	ug/L	#	86
63) Tetrachloroethene	8.046	166	150641	10.807	ug/L		98
65) trans-1,3-Dichloropropene	8.085	75	162452	9.700	ug/L	#	80
67) Ethyl methacrylate	8.278	69	115661	10.030	ug/L		94
68) 1,1,2-Trichloroethane	8.269	83	85156	10.266	ug/L		98
69) Chlorodibromomethane	8.484	129	115210	9.918	ug/L		99
70) 1,3-Dichloropropane	8.590	76	179582	10.328	ug/L		100
71) 1,2-Dibromoethane	8.754	107	92871	10.308	ug/L		98
72) 2-Hexanone	9.056	43	31029M1	10.265	ug/L		
73) Chlorobenzene	9.399	112	401825	10.370	ug/L		99
74) Ethylbenzene	9.438	91	720195	10.687	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.485	131	129631	10.008	ug/L		97
76) p/m Xylene	9.625	106	545674	21.458	ug/L		99
77) o Xylene	10.171	106	511510	20.842	ug/L		99
78) Styrene	10.238	104	831133	20.906	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B18.D
Acq On : 3 May 2025 12:36 pm
Operator : VOA101:JIC
Sample : C8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 05 12:04:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250503BICAL\V01250503B09.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.269	173	56064	10.313	ug/L	99
82) Isopropylbenzene	10.562	105	686501	10.832	ug/L	100
84) Bromobenzene	11.008	156	144803	10.518	ug/L	100
85) n-Propylbenzene	11.050	91	809548	10.934	ug/L	99
86) 1,4-Dichlorobutane	11.066	55	130432	11.067	ug/L	100
87) 1,1,2,2-Tetrachloroethane	11.142	83	102613	10.367	ug/L	98
88) 4-Ethyltoluene	11.178	105	652489	10.744	ug/L	99
89) 2-Chlorotoluene	11.220	91	468010M4	10.697	ug/L	
90) 1,3,5-Trimethylbenzene	11.278	105	532451	10.584	ug/L	100
91) 1,2,3-Trichloropropane	11.281	75	85692M4	10.642	ug/L	
92) trans-1,4-Dichloro-2-b...	11.337	53	19429M4	10.718	ug/L	
93) 4-Chlorotoluene	11.406	91	458208	10.361	ug/L	99
94) tert-Butylbenzene	11.621	119	449608	10.662	ug/L	99
97) 1,2,4-Trimethylbenzene	11.699	105	524794	10.814	ug/L	100
98) sec-Butylbenzene	11.814	105	655796	10.515	ug/L	98
99) p-Isopropyltoluene	11.970	119	538361	10.563	ug/L	99
100) 1,3-Dichlorobenzene	12.039	146	270227	10.270	ug/L	99
101) 1,4-Dichlorobenzene	12.132	146	272365	10.034	ug/L	98
102) p-Diethylbenzene	12.346	119	289505	10.045	ug/L	99
103) n-Butylbenzene	12.405	91	457076	10.799	ug/L	99
104) 1,2-Dichlorobenzene	12.555	146	235431	10.206	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.144	119	402227	10.315	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.339	155	11298	9.874	ug/L	99
107) 1,3,5-Trichlorobenzene	13.372	180	136812	9.757	ug/L	98
108) Hexachlorobutadiene	13.952	225	50030	10.039	ug/L	99
109) 1,2,4-Trichlorobenzene	13.975	180	108075	9.913	ug/L	99
110) Naphthalene	14.265	128	206582	10.280	ug/L	100
111) 1,2,3-Trichlorobenzene	14.435	180	81014	10.074	ug/L	99

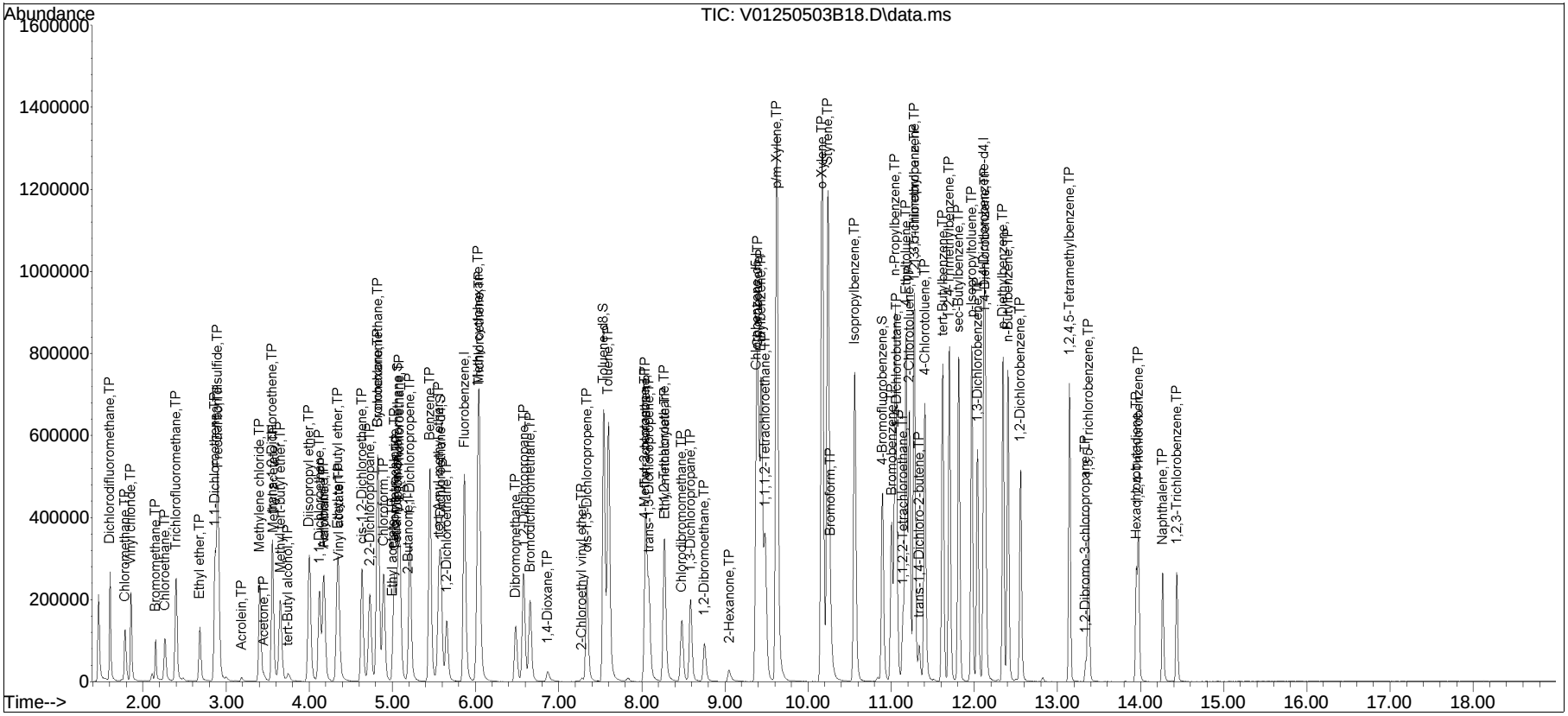
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250503BICAL\
Data File : V01250503B18.D
Acq On : 3 May 2025 12:36 pm
Operator : VOA101:JIC
Sample : C8260STD10PPB
Misc : WG2062144,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 05 12:04:59 2025
Quant Method : K:\VOA101\2025\250503BICAL\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

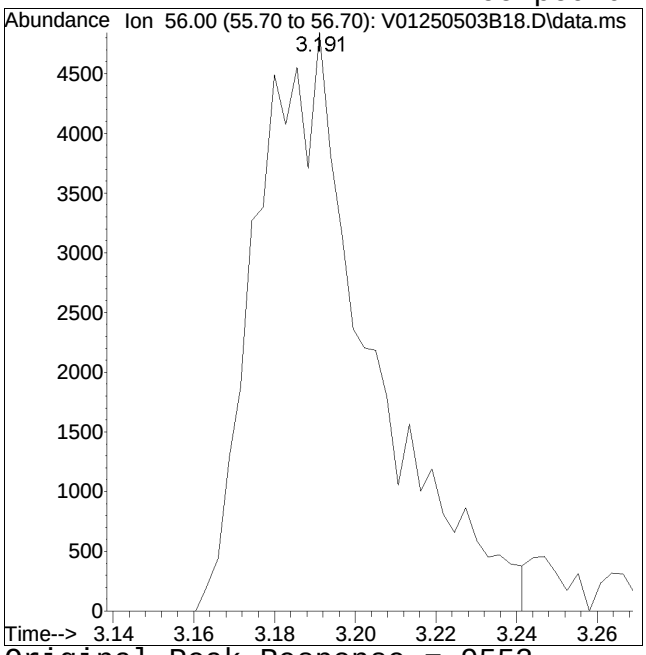


Manual Integration Report

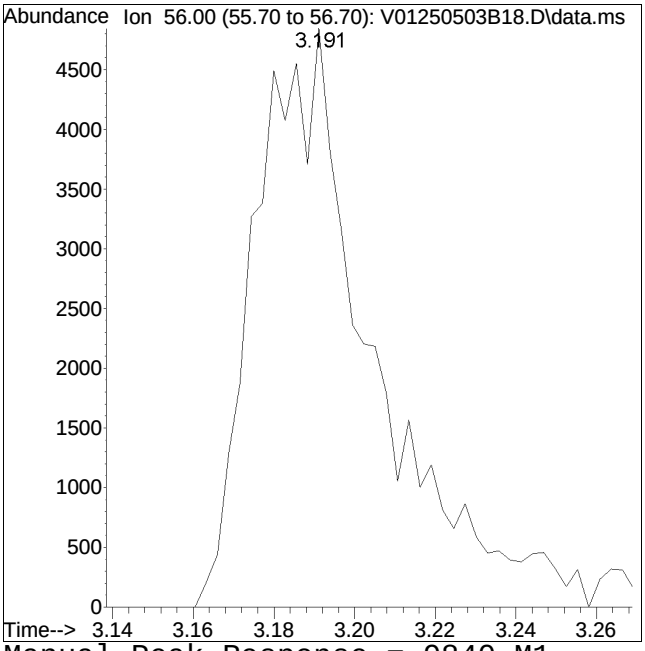
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B18.D
Date Inj'd : 5/3/2025 12:36 pm
Sample : C8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/5/2025 12:04 pm

Compound #14: Acrolein



Original Peak Response = 9553



Manual Peak Response = 9840 M1

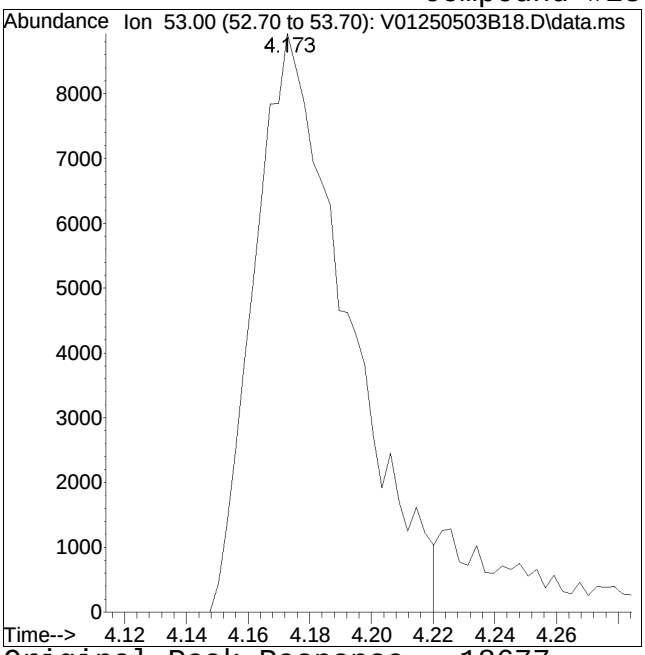
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

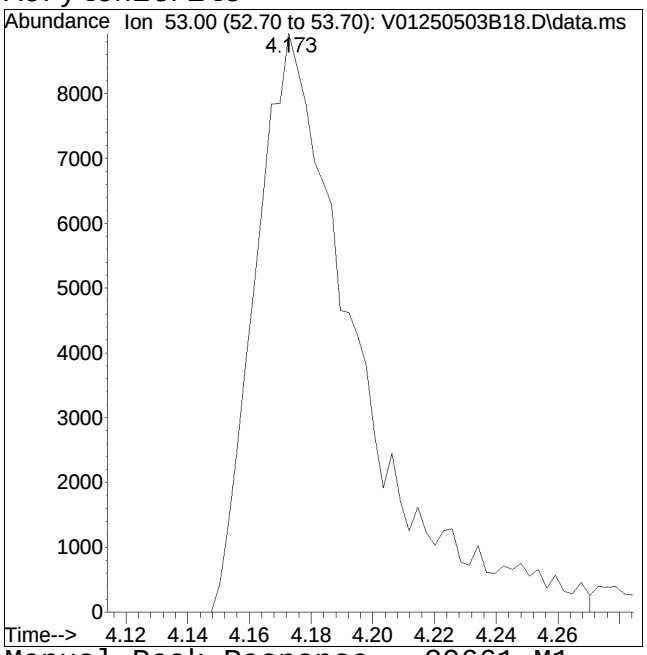
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B18.D
Date Inj'd : 5/3/2025 12:36 pm
Sample : C8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/5/2025 12:04 pm

Compound #25: Acrylonitrile



Original Peak Response = 18677



Manual Peak Response = 20661 M1

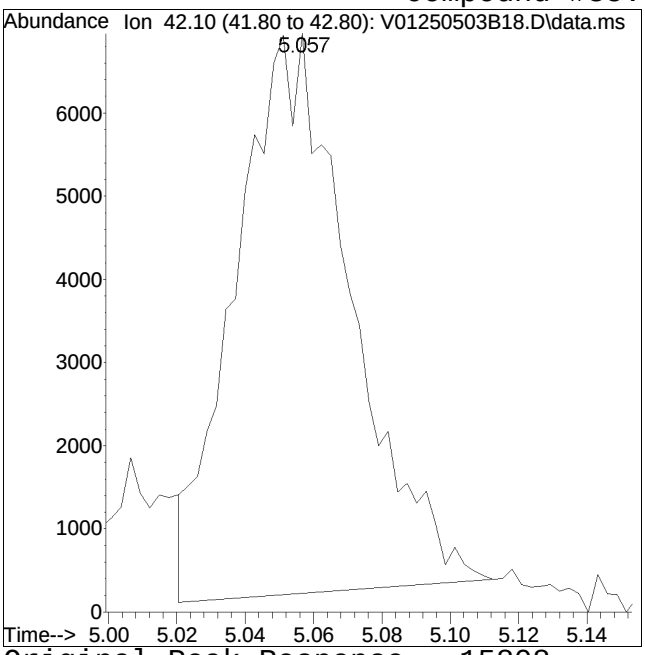
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

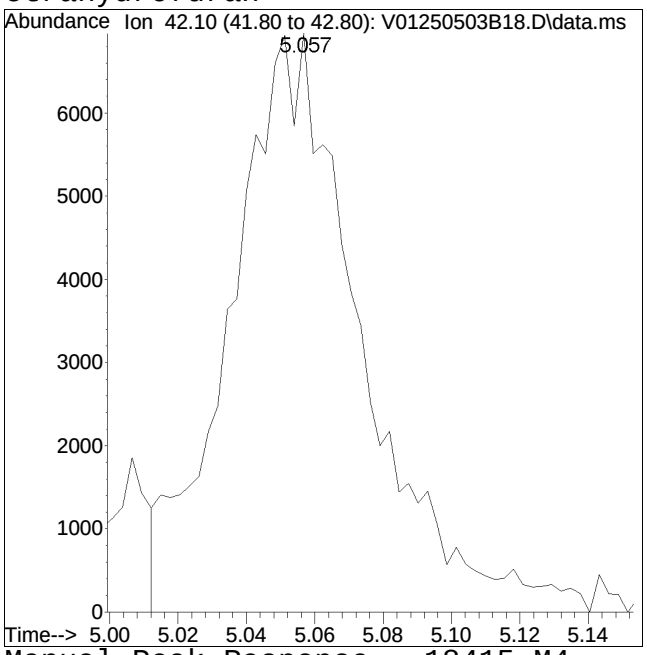
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B18.D
Date Inj'd : 5/3/2025 12:36 pm
Sample : C8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/5/2025 12:04 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 15808



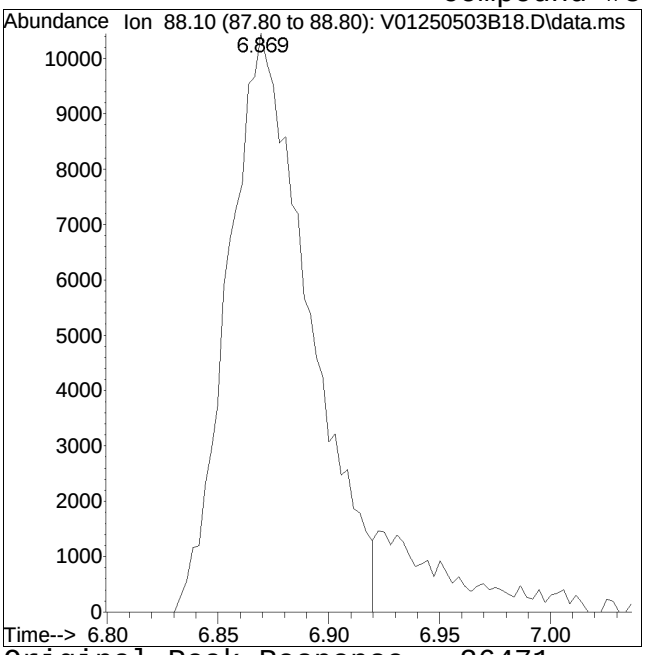
Manual Peak Response = 18415 M4

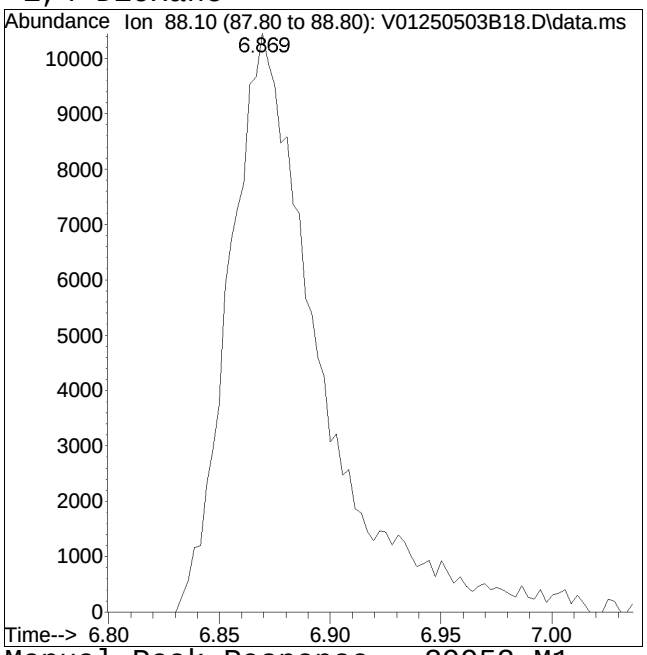
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B18.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 12:36 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 5/5/2025 12:04 pm

Compound #57: 1,4-Dioxane





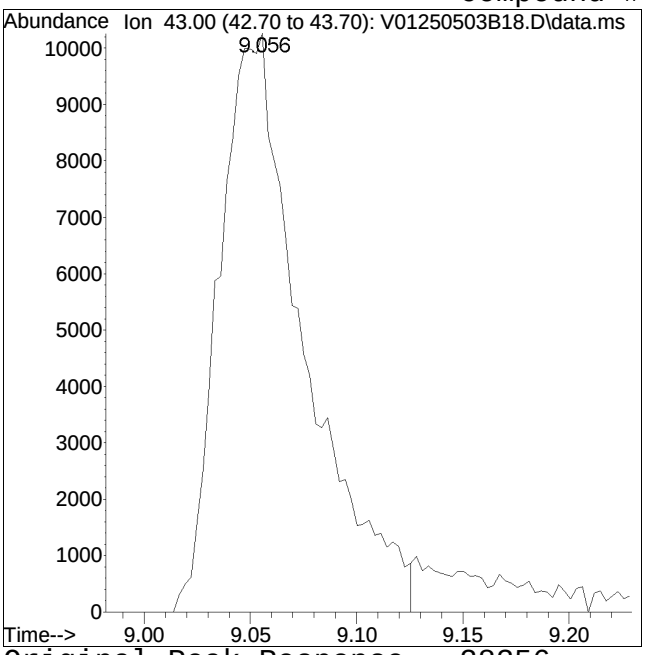
Original Peak Response = 26471 Manual Peak Response = 29952 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

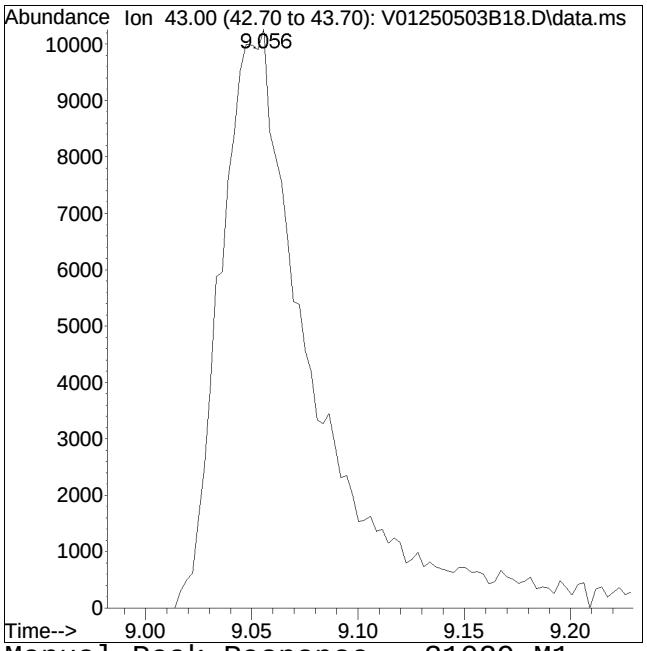
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B18.D
Date Inj'd : 5/3/2025 12:36 pm
Sample : C8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/5/2025 12:04 pm

Compound #72: 2-Hexanone



Original Peak Response = 28356



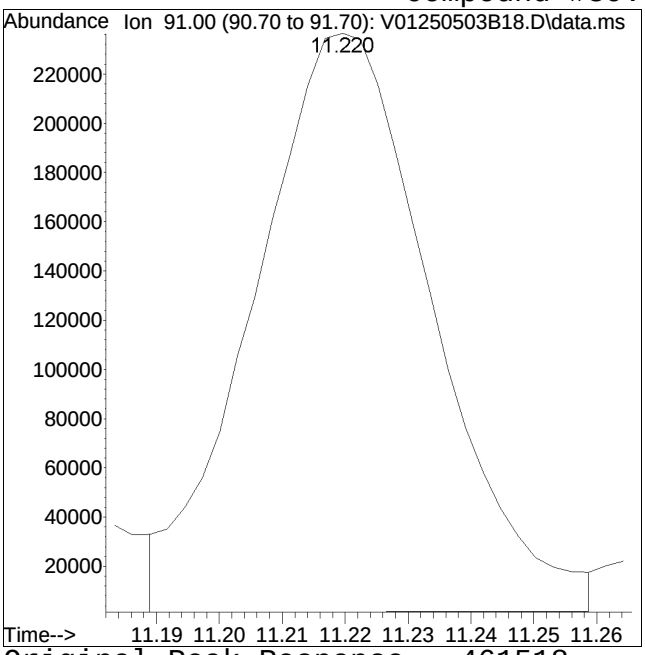
Manual Peak Response = 31029 M1

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

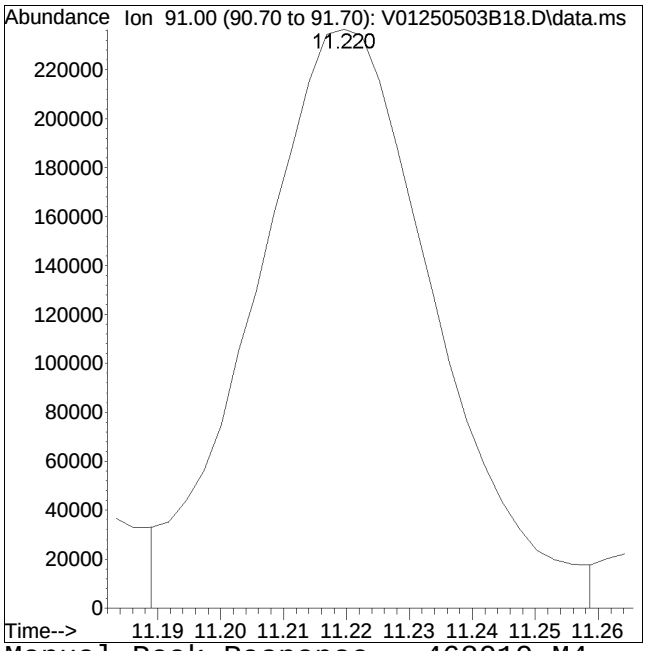
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B18.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 12:36 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 5/5/2025 12:04 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 461518



Manual Peak Response = 468010 M4

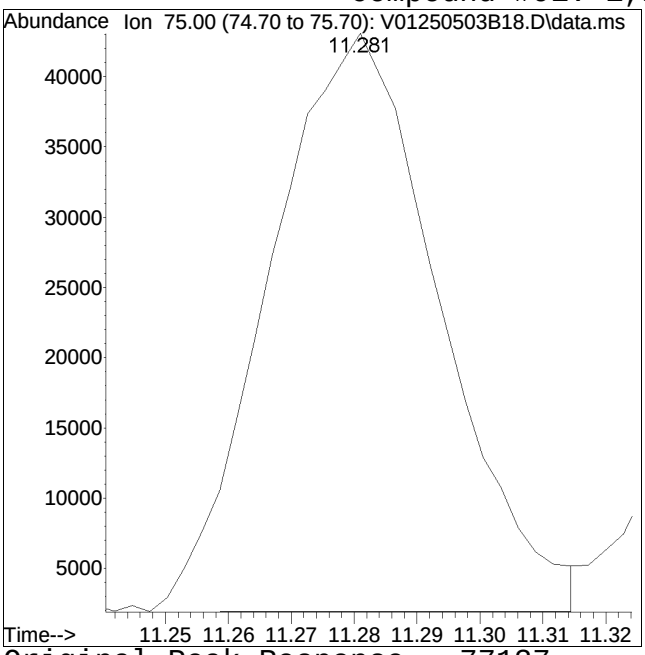
M4 = Poor automated baseline construction.

Manual Integration Report

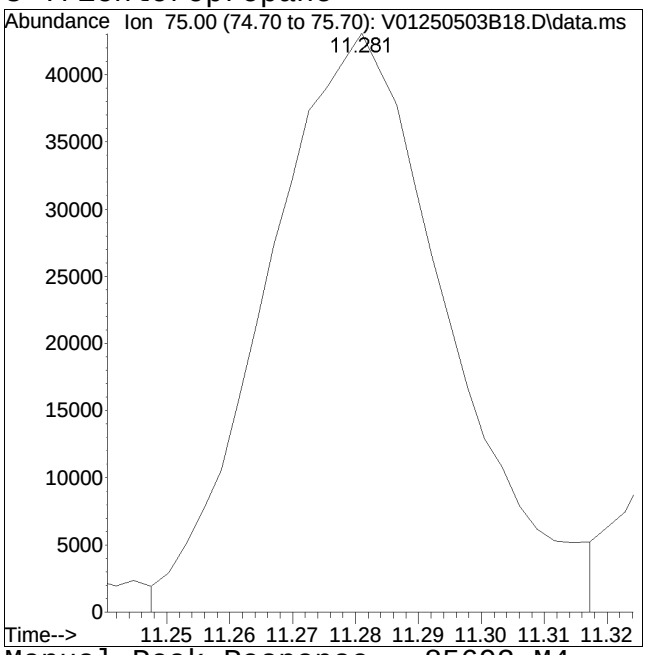
Data Path : K:\VOA101\2025\250503BICALQ
Data File : V01250503B18.D
Date Inj'd : 5/3/2025 12:36 pm
Sample : C8260STD10PPB

Method : V101_250503B_8260.m
Operator : VOA101:JIC
Instrument : VOA 101
Quant Date : 5/5/2025 12:04 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 77137



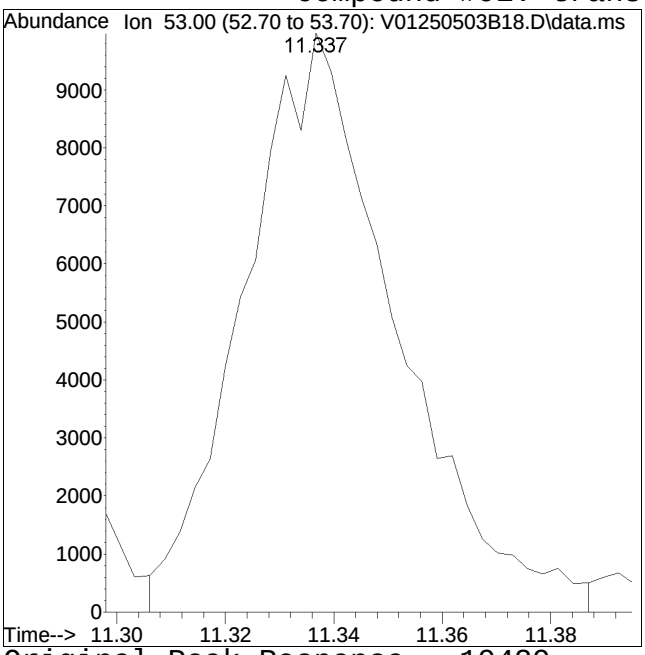
Manual Peak Response = 85692 M4

M4 = Poor automated baseline construction.

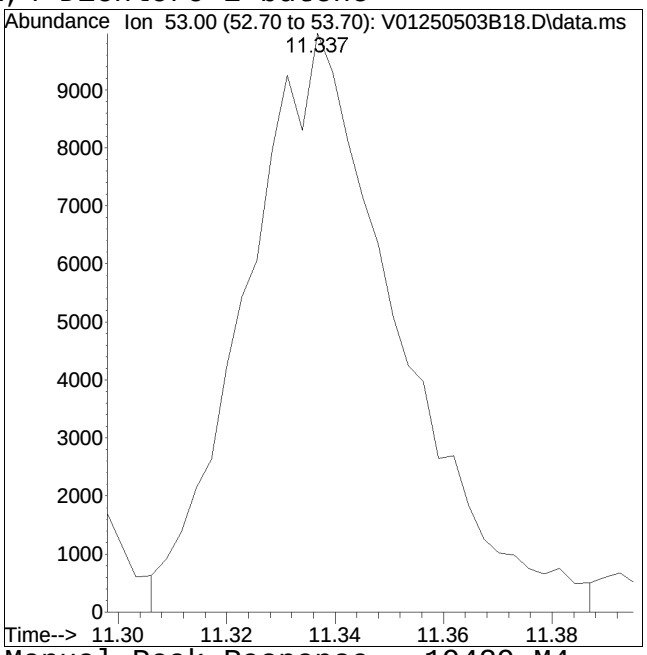
Manual Integration Report

Data Path : K:\VOA101\2025\250503BICALQMethod : V101_250503B_8260.m
Data File : V01250503B18.D Operator : VOA101:JIC
Date Inj'd : 5/3/2025 12:36 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 5/5/2025 12:04 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 19429



Manual Peak Response = 19429 M4

M4 = Poor automated baseline construction.

Evaluate Relative Error Report VOA 101

Method Path : K:\VOA101\2025\250503BICAL\
Method File : V101_250503B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon May 05 12:04:15 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	TP Bromomethane	Q	ug/L	10.0	8.631	-13.7	0.50	0.630	26.0
65	TP trans-1,3-Dichloropropene	L	ug/L	10.0	9.198	-8.0	0.19	0.238	25.3

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	TP Bromomethane	Quadratic	0.998848	0.006557	0.0666999	-0.00166371
65	TP trans-1,3-Dichloropropene	Linear	0.999158	0.000000	0.40402	-0.00558817

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA101	**Calibration Date**	: 05/08/25 07:46
Lab File ID	: V01250508A01	**Init. Calib. Date(s)**	: 05/03/25 05/03/25
Sample No	: WG2064186-2	**Init. Calib. Times**	: 06:07 10:26
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	89	0
Dichlorodifluoromethane	0.305	0.263	-	13.8	20	73	0
Chloromethane	0.181	0.161	-	11	20	88	0
Vinyl chloride	0.262	0.244	-	6.9	20	84	0
Bromomethane	10	7.052	-	29.5*	20	71	0
Chloroethane	0.148	0.142	-	4.1	20	84	0
Trichlorofluoromethane	0.351	0.332	-	5.4	20	80	0
Ethyl ether	0.105	0.107	-	-1.9	20	90	0
1,1-Dichloroethene	0.215	0.193	-	10.2	20	76	0
Carbon disulfide	0.719	0.693	-	3.6	20	85	0
Freon-113	0.217	0.19	-	12.4	20	70	0
Acrolein	0.018	0.013	-	27.8*	20	64	0
Methylene chloride	0.251	0.24	-	4.4	20	87	0
Acetone	0.025	0.029	-	-16	20	106	0
trans-1,2-Dichloroethene	0.237	0.228	-	3.8	20	84	0
Methyl acetate	0.062	0.059	-	4.8	20	90	0
Methyl tert-butyl ether	0.488	0.482	-	1.2	20	88	0
tert-Butyl alcohol	0.00638	0.00759*	-	-19	20	102	0
Diisopropyl ether	0.5	0.453	-	9.4	20	82	0
1,1-Dichloroethane	0.411	0.389	-	5.4	20	83	0
Halothane	0.18	0.173	-	3.9	20	84	0
Acrylonitrile	0.033	0.029	-	12.1	20	79	0
Ethyl tert-butyl ether	0.508	0.473	-	6.9	20	85	0
Vinyl acetate	0.228	0.229	-	-0.4	20	89	0
cis-1,2-Dichloroethene	0.263	0.267	-	-1.5	20	89	0
2,2-Dichloropropane	0.319	0.32	-	-0.3	20	89	0
Bromochloromethane	0.11	0.117	-	-6.4	20	89	0
Cyclohexane	0.346	0.286	-	17.3	20	72	0
Chloroform	0.429	0.416	-	3	20	86	0
Ethyl acetate	0.09	0.081	-	10	20	82	0
Carbon tetrachloride	0.319	0.294	-	7.8	20	77	0
Tetrahydrofuran	0.027	0.026	-	3.7	20	87	-.01
Dibromofluoromethane	0.263	0.268	-	-1.9	20	90	0
1,1,1-Trichloroethane	0.366	0.354	-	3.3	20	83	0
2-Butanone	0.035	0.035	-	0	20	93	0
1,1-Dichloropropene	0.317	0.291	-	8.2	20	79	0
Benzene	0.981	0.943	-	3.9	20	84	0
tert-Amyl methyl ether	0.494	0.477	-	3.4	20	88	0
1,2-Dichloroethane-d4	0.262	0.262	-	0	20	88	0
1,2-Dichloroethane	0.25	0.25	-	0	20	87	0
Methyl cyclohexane	0.436	0.383	-	12.2	20	75	0
Trichloroethene	0.26	0.251	-	3.5	20	85	-.01
Dibromomethane	0.122	0.123	-	-0.8	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA101	**Calibration Date**	: 05/08/25 07:46
Lab File ID	: V01250508A01	**Init. Calib. Date(s)**	: 05/03/25 05/03/25
Sample No	: WG2064186-2	**Init. Calib. Times**	: 06:07 10:26
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.229	0.215	-	6.1	20	83	0
Bromodichloromethane	0.316	0.312	-	1.3	20	88	0
1,4-Dioxane	0.00093	0.00123*	-	-32.3*	20	113	0
cis-1,3-Dichloropropene	0.346	0.338	-	2.3	20	86	-.03
Chlorobenzene-d5	1	1	-	0	20	93	0
Toluene-d8	1.375	1.348	-	2	20	90	0
Toluene	0.818	0.762	-	6.8	20	83	0
4-Methyl-2-pentanone	0.049	0.042	-	14.3	20	84	0
Tetrachloroethene	0.331	0.319	-	3.6	20	82	-.02
trans-1,3-Dichloropropene	10	8.568	-	14.3	20	86	-.02
Ethyl methacrylate	0.274	0.238	-	13.1	20	86	0
1,1,2-Trichloroethane	0.197	0.186*	-	5.6	20	85	0
Chlorodibromomethane	0.276	0.257	-	6.9	20	86	0
1,3-Dichloropropane	0.413	0.387	-	6.3	20	87	0
1,2-Dibromoethane	0.214	0.207	-	3.3	20	88	0
2-Hexanone	0.072	0.056	-	22.2*	20	79	0
Chlorobenzene	0.921	0.866	-	6	20	87	0
Ethylbenzene	1.603	1.485	-	7.4	20	84	0
1,1,1,2-Tetrachloroethane	0.308	0.285	-	7.5	20	86	0
p/m Xylene	0.605	0.585	-	3.3	20	86	0
o Xylene	0.584	0.566	-	3.1	20	86	0
Styrene	0.945	0.917	-	3	20	87	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
Bromoform	0.259	0.234	-	9.7	20	86	0
Isopropylbenzene	3.017	2.682	-	11.1	20	83	0
4-Bromofluorobenzene	0.968	0.935	-	3.4	20	95	0
Bromobenzene	0.655	0.615	-	6.1	20	89	0
n-Propylbenzene	3.525	3.19	-	9.5	20	84	0
1,4-Dichlorobutane	0.561	0.491	-	12.5	20	86	0
1,1,2,2-Tetrachloroethane	0.471	0.461	-	2.1	20	91	0
4-Ethyltoluene	2.891	2.671	-	7.6	20	86	0
2-Chlorotoluene	2.083	1.863	-	10.6	20	86	0
1,3,5-Trimethylbenzene	2.395	2.2	-	8.1	20	86	0
1,2,3-Trichloropropane	0.383	0.317	-	17.2	20	79	0
trans-1,4-Dichloro-2-buten	0.086	0.046	-	46.5*	20	57	.01
4-Chlorotoluene	2.105	1.936	-	8	20	88	0
tert-Butylbenzene	2.007	1.846	-	8	20	85	0
1,2,4-Trimethylbenzene	2.31	2.156	-	6.7	20	88	0
sec-Butylbenzene	2.969	2.681	-	9.7	20	85	0
p-Isopropyltoluene	2.426	2.248	-	7.3	20	86	0
1,3-Dichlorobenzene	1.253	1.203	-	4	20	91	0
1,4-Dichlorobenzene	1.292	1.196	-	7.4	20	90	0
p-Diethylbenzene	1.372	1.276	-	7	20	87	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA101	**Calibration Date**	: 05/08/25 07:46
Lab File ID	: V01250508A01	**Init. Calib. Date(s)**	: 05/03/25 05/03/25
Sample No	: WG2064186-2	**Init. Calib. Times**	: 06:07 10:26
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.015	1.849	-	8.2	20	87	0
1,2-Dichlorobenzene	1.098	1.05	-	4.4	20	91	0
1,2,4,5-Tetramethylbenzene	1.856	1.704	-	8.2	20	88	0
1,2-Dibromo-3-chloropropan	0.054	0.048	-	11.1	20	92	0
1,3,5-Trichlorobenzene	0.668	0.631	-	5.5	20	92	0
Hexachlorobutadiene	0.237	0.215	-	9.3	20	91	0
1,2,4-Trichlorobenzene	0.519	0.477	-	8.1	20	89	0
Naphthalene	0.957	0.864	-	9.7	20	87	0
1,2,3-Trichlorobenzene	0.383	0.368*	-	3.9	20	93	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2525831	
Project Name	: CONVENTUS PRR		Project Number	: U86	
Instrument ID	: VOA122		Calibration Date	: 05/08/25 08:08	
Lab File ID	: V22250508A02		Init. Calib. Date(s)	: 04/05/25	04/06/25
Sample No	: WG2065078-2		Init. Calib. Times	: 16:58	11:37
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	74	0
Dichlorodifluoromethane	0.164	0.17	-	-3.7	20	72	0
Chloromethane	0.229	0.191	-	16.6	20	56	0
Vinyl chloride	0.199	0.169	-	15.1	20	60	0
Bromomethane	0.062	0.066	-	-6.5	20	90	0
Chloroethane	0.102	0.104	-	-2	20	67	0
Trichlorofluoromethane	0.19	0.236	-	-24.2*	20	87	0
Ethyl ether	0.06	0.053	-	11.7	20	64	0
1,1-Dichloroethene	0.115	0.127	-	-10.4	20	76	0
Carbon disulfide	0.414	0.408	-	1.4	20	69	0
Freon-113	0.119	0.138	-	-16	20	81	0
Acrolein	0.017	0.014	-	17.6	20	55	0
Methylene chloride	0.14	0.143	-	-2.1	20	73	0
Acetone	0.029	0.024	-	17.2	20	59	0
trans-1,2-Dichloroethene	0.132	0.141	-	-6.8	20	75	0
Methyl acetate	0.076	0.061	-	19.7	20	61	0
Methyl tert-butyl ether	0.248	0.22	-	11.3	20	64	0
tert-Butyl alcohol	0.00581	0.00537*	-	7.6	20	69	0
Diisopropyl ether	0.491	0.383	-	22*	20	56	0
1,1-Dichloroethane	0.289	0.269*	-	6.9	20	65	0
Halothane	0.098	0.117	-	-19.4	20	86	0
Acrylonitrile	0.034	0.031	-	8.8	20	63	0
Ethyl tert-butyl ether	0.341	0.287	-	15.8	20	63	0
Vinyl acetate	0.268	0.181	-	32.5*	20	52	0
cis-1,2-Dichloroethene	0.141	0.155*	-	-9.9	20	76	0
2,2-Dichloropropane	0.187	0.197	-	-5.3	20	75	0
Bromochloromethane	0.062	0.08*	-	-29*	20	89	0
Cyclohexane	0.299	0.274	-	8.4	20	62	0
Chloroform	0.24	0.238*	-	0.8	20	73	0
Ethyl acetate	0.093	0.073	-	21.5*	20	59	0
Carbon tetrachloride	0.178	0.222	-	-24.7*	20	88	0
Tetrahydrofuran	0.03	0.025	-	16.7	20	56	0
Dibromofluoromethane	0.275	0.319	-	-16	20	84	0
1,1,1-Trichloroethane	0.198	0.225	-	-13.6	20	79	0
2-Butanone	0.04	0.036	-	10	20	72	0
1,1-Dichloropropene	0.178	0.159	-	10.7	20	64	0
Benzene	0.519	0.475	-	8.5	20	66	0
tert-Amyl methyl ether	0.242	0.199	-	17.8	20	64	0
1,2-Dichloroethane-d4	0.303	0.292	-	3.6	20	71	0
1,2-Dichloroethane	0.173	0.161	-	6.9	20	69	0
Methyl cyclohexane	0.236	0.197	-	16.5	20	67	0
Trichloroethene	0.141	0.146*	-	-3.5	20	78	0
Dibromomethane	0.053	0.061	-	-15.1	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA122	**Calibration Date**	: 05/08/25 08:08
Lab File ID	: V22250508A02	**Init. Calib. Date(s)**	: 04/05/25 04/06/25
Sample No	: WG2065078-2	**Init. Calib. Times**	: 16:58 11:37
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.152	0.129*	-	15.1	20	60	0
Bromodichloromethane	0.172	0.169*	-	1.7	20	70	0
1,4-Dioxane	0.00064	0.00069*	-	-7.8	20	78	0
cis-1,3-Dichloropropene	0.191	0.172*	-	9.9	20	67	0
Chlorobenzene-d5	1	1	-	0	20	83	0
Toluene-d8	1.352	1.24	-	8.3	20	77	0
Toluene	0.429	0.389	-	9.3	20	74	0
4-Methyl-2-pentanone	10	6.689	-	33.1*	20	62	0
Tetrachloroethene	0.174	0.204	-	-17.2	20	96	0
trans-1,3-Dichloropropene	0.204	0.16*	-	21.6*	20	67	0
Ethyl methacrylate	0.123	0.081	-	34.1*	20	62	0
1,1,2-Trichloroethane	0.098	0.079*	-	19.4	20	67	0
Chlorodibromomethane	0.139	0.144*	-	-3.6	20	86	0
1,3-Dichloropropane	0.211	0.164	-	22.3*	20	64	0
1,2-Dibromoethane	0.107	0.102*	-	4.7	20	79	0
2-Hexanone	0.063	0.041	-	34.9*	20	61	0
Chlorobenzene	0.484	0.486	-	-0.4	20	82	0
Ethylbenzene	0.832	0.74	-	11.1	20	71	0
1,1,1,2-Tetrachloroethane	0.152	0.161	-	-5.9	20	89	0
p/m Xylene	0.312	0.307	-	1.6	20	78	0
o Xylene	0.3	0.287	-	4.3	20	76	0
Styrene	20	18.011	-	9.9	20	78	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Bromoform	10	9.533	-	4.7	20	95	0
Isopropylbenzene	1.594	1.417	-	11.1	20	75	0
4-Bromofluorobenzene	0.919	0.776	-	15.6	20	75	0
Bromobenzene	0.351	0.371	-	-5.7	20	92	0
n-Propylbenzene	1.904	1.595	-	16.2	20	70	0
1,4-Dichlorobutane	0.471	0.35	-	25.7*	20	66	0
1,1,2,2-Tetrachloroethane	0.256	0.197*	-	23*	20	69	0
4-Ethyltoluene	1.488	1.364	-	8.3	20	77	0
2-Chlorotoluene	1.125	0.943	-	16.2	20	71	0
1,3,5-Trimethylbenzene	1.228	1.121	-	8.7	20	78	0
1,2,3-Trichloropropane	0.21	0.157	-	25.2*	20	69	0
trans-1,4-Dichloro-2-buten	0.078	0.056	-	28.2*	20	65	0
4-Chlorotoluene	1.154	0.982	-	14.9	20	73	0
tert-Butylbenzene	1.263	1.059	-	16.2	20	70	0
1,2,4-Trimethylbenzene	1.361	1.268	-	6.8	20	79	0
sec-Butylbenzene	1.63	1.504	-	7.7	20	77	0
p-Isopropyltoluene	10	9.032	-	9.7	20	81	0
1,3-Dichlorobenzene	0.725	0.766	-	-5.7	20	91	0
1,4-Dichlorobenzene	0.722	0.744	-	-3	20	90	0
p-Diethylbenzene	0.822	0.733	-	10.8	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2525831
Project Name	: CONVENTUS PRR	**Project Number**	: U86
Instrument ID	: VOA122	**Calibration Date**	: 05/08/25 08:08
Lab File ID	: V22250508A02	**Init. Calib. Date(s)**	: 04/05/25 04/06/25
Sample No	: WG2065078-2	**Init. Calib. Times**	: 16:58 11:37
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.171	1.026	-	12.4	20	73	0
1,2-Dichlorobenzene	0.639	0.677	-	-5.9	20	93	0
1,2,4,5-Tetramethylbenzene	1.121	0.945	-	15.7	20	78	0
1,2-Dibromo-3-chloropropan	10	9.438	-	5.6	20	99	0
1,3,5-Trichlorobenzene	0.435	0.478	-	-9.9	20	94	0
Hexachlorobutadiene	0.146	0.167	-	-14.4	20	101	0
1,2,4-Trichlorobenzene	0.369	0.385*	-	-4.3	20	91	0
Naphthalene	0.767	0.722	-	5.9	20	82	0
1,2,3-Trichlorobenzene	0.31	0.331*	-	-6.8	20	89	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-2
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	89	0.00
2	TP	Dichlorodifluoromethane	0.305	0.263	13.8	73	0.00
3	TP	Chloromethane	0.181	0.161	11.0	88	0.00
4	TP	Vinyl chloride	0.262	0.244	6.9	84	0.00
5	TP	Bromomethane	* 10.000	7.052	29.5#	71	0.00
6	TP	Chloroethane	0.148	0.142	4.1	84	0.00
7	TP	Trichlorofluoromethane	0.351	0.332	5.4	80	0.00
8	TP	Ethyl ether	0.105	0.107	-1.9	90	0.00
10	TP	1,1-Dichloroethene	0.215	0.193	10.2	76	0.00
11	TP	Carbon disulfide	0.719	0.693	3.6	85	0.00
12	TP	Freon-113	0.217	0.190	12.4	70	0.00
14	TP	Acrolein	0.018	0.013	27.8#	64	0.00
15	TP	Methylene chloride	0.251	0.240	4.4	87	0.00
17	TP	Acetone	0.025	0.029	-16.0	106	0.00
18	TP	trans-1,2-Dichloroethene	0.237	0.228	3.8	84	0.00
19	TP	Methyl acetate	0.062	0.059	4.8	90	0.00
20	TP	Methyl tert-butyl ether	0.488	0.482	1.2	88	0.00
21	TP	tert-Butyl alcohol	0.00638	0.00759#	-19.0	102	0.00
22	TP	Diisopropyl ether	0.500	0.453	9.4	82	0.00
23	TP	1,1-Dichloroethane	0.411	0.389	5.4	83	0.00
24	TP	Halothane	0.180	0.173	3.9	84	0.00
25	TP	Acrylonitrile	0.033	0.029	12.1	79	0.00
26	TP	Ethyl tert-butyl ether	0.508	0.473	6.9	85	0.00
27	TP	Vinyl acetate	0.228	0.229	-0.4	89	0.00
28	TP	cis-1,2-Dichloroethene	0.263	0.267	-1.5	89	0.00
29	TP	2,2-Dichloropropane	0.319	0.320	-0.3	89	0.00
30	TP	Bromochloromethane	0.110	0.117	-6.4	89	0.00
31	TP	Cyclohexane	0.346	0.286	17.3	72	0.00
32	TP	Chloroform	0.429	0.416	3.0	86	0.00
33	TP	Ethyl acetate	0.090	0.081	10.0	82	0.00
34	TP	Carbon tetrachloride	0.319	0.294	7.8	77	0.00
35	TP	Tetrahydrofuran	0.027	0.026	3.7	87	-0.01
36	S	Dibromofluoromethane	0.263	0.268	-1.9	90	0.00
37	TP	1,1,1-Trichloroethane	0.366	0.354	3.3	83	0.00
39	TP	2-Butanone	0.035	0.035	0.0	93	0.00
40	TP	1,1-Dichloropropene	0.317	0.291	8.2	79	0.00
41	TP	Benzene	0.981	0.943	3.9	84	0.00
42	TP	tert-Amyl methyl ether	0.494	0.477	3.4	88	0.00
43	S	1,2-Dichloroethane-d4	0.262	0.262	0.0	88	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-2
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.250	0.250	0.0	87	0.00
47	TP	Methyl cyclohexane	0.436	0.383	12.2	75	0.00
48	TP	Trichloroethene	0.260	0.251	3.5	85	-0.01
50	TP	Dibromomethane	0.122	0.123	-0.8	89	0.00
51	TP	1,2-Dichloropropane	0.229	0.215	6.1	83	0.00
54	TP	Bromodichloromethane	0.316	0.312	1.3	88	0.00
57	TP	1,4-Dioxane	0.00093	0.00123#	-32.3#	113	0.00
58	TP	cis-1,3-Dichloropropene	0.346	0.338	2.3	86	-0.03
59	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
60	S	Toluene-d8	1.375	1.348	2.0	90	0.00
61	TP	Toluene	0.818	0.762	6.8	83	0.00
62	TP	4-Methyl-2-pentanone	0.049	0.042	14.3	84	0.00
63	TP	Tetrachloroethene	0.331	0.319	3.6	82	-0.02
65	TP	trans-1,3-Dichloropropene	* 10.000	8.568	14.3	86	-0.02
67	TP	Ethyl methacrylate	0.274	0.238	13.1	86	0.00
68	TP	1,1,2-Trichloroethane	0.197	0.186#	5.6	85	0.00
69	TP	Chlorodibromomethane	0.276	0.257	6.9	86	0.00
70	TP	1,3-Dichloropropane	0.413	0.387	6.3	87	0.00
71	TP	1,2-Dibromoethane	0.214	0.207	3.3	88	0.00
72	TP	2-Hexanone	0.072	0.056	22.2#	79	0.00
73	TP	Chlorobenzene	0.921	0.866	6.0	87	0.00
74	TP	Ethylbenzene	1.603	1.485	7.4	84	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.308	0.285	7.5	86	0.00
76	TP	p/m Xylene	0.605	0.585	3.3	86	0.00
77	TP	o Xylene	0.584	0.566	3.1	86	0.00
78	TP	Styrene	0.945	0.917	3.0	87	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
80	TP	Bromoform	0.259	0.234	9.7	86	0.00
82	TP	Isopropylbenzene	3.017	2.682	11.1	83	0.00
83	S	4-Bromofluorobenzene	0.968	0.935	3.4	95	0.00
84	TP	Bromobenzene	0.655	0.615	6.1	89	0.00
85	TP	n-Propylbenzene	3.525	3.190	9.5	84	0.00
86	TP	1,4-Dichlorobutane	0.561	0.491	12.5	86	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.471	0.461	2.1	91	0.00
88	TP	4-Ethyltoluene	2.891	2.671	7.6	86	0.00
89	TP	2-Chlorotoluene	2.083	1.863	10.6	86	0.00
90	TP	1,3,5-Trimethylbenzene	2.395	2.200	8.1	86	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-2
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.383	0.317	17.2	79	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.086	0.046	46.5#	57	0.01
93 TP	4-Chlorotoluene	2.105	1.936	8.0	88	0.00
94 TP	tert-Butylbenzene	2.007	1.846	8.0	85	0.00
97 TP	1,2,4-Trimethylbenzene	2.310	2.156	6.7	88	0.00
98 TP	sec-Butylbenzene	2.969	2.681	9.7	85	0.00
99 TP	p-Isopropyltoluene	2.426	2.248	7.3	86	0.00
100 TP	1,3-Dichlorobenzene	1.253	1.203	4.0	91	0.00
101 TP	1,4-Dichlorobenzene	1.292	1.196	7.4	90	0.00
102 TP	p-Diethylbenzene	1.372	1.276	7.0	87	0.00
103 TP	n-Butylbenzene	2.015	1.849	8.2	87	0.00
104 TP	1,2-Dichlorobenzene	1.098	1.050	4.4	91	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.856	1.704	8.2	88	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.054	0.048	11.1	92	0.00
107 TP	1,3,5-Trichlorobenzene	0.668	0.631	5.5	92	0.00
108 TP	Hexachlorobutadiene	0.237	0.215	9.3	91	0.00
109 TP	1,2,4-Trichlorobenzene	0.519	0.477	8.1	89	0.00
110 TP	Naphthalene	0.957	0.864	9.7	87	0.00
111 TP	1,2,3-Trichlorobenzene	0.383	0.368#	3.9	93	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-2
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.868	96	381825	10.000	ug/L	0.00
Standard Area 1 = 381825			Recovery = 100.00%			
59) Chlorobenzene-d5	9.379	117	302275	10.000	ug/L	0.00
Standard Area 1 = 302275			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.118	152	164373	10.000	ug/L	0.00
Standard Area 1 = 164373			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.065	113	102332	10.188	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.88%			
43) 1,2-Dichloroethane-d4	5.584	65	99892	9.996	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.96%			
60) Toluene-d8	7.547	98	407422	9.803	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.03%			
83) 4-Bromofluorobenzene	10.893	95	153759	9.659	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.604	85	100472	8.618	ug/L #	95
3) Chloromethane	1.788	50	61493	8.881	ug/L	98
4) Vinyl chloride	1.858	62	93265	9.316	ug/L	87
5) Bromomethane	2.154	94	18569	7.052	ug/L	100
6) Chloroethane	2.268	64	54301	9.589	ug/L	93
7) Trichlorofluoromethane	2.402	101	126876	9.473	ug/L	99
8) Ethyl ether	2.686	74	40840	10.186	ug/L #	45
10) 1,1-Dichloroethene	2.870	96	73519	8.939	ug/L #	69
11) Carbon disulfide	2.898	76	264741	9.646	ug/L	100
12) Freon-113	2.901	101	72712	8.761	ug/L #	65
14) Acrolein	3.186	56	4990	7.212	ug/L	92
15) Methylene chloride	3.406	84	91471	9.547	ug/L #	56
17) Acetone	3.456	43	11215	11.653	ug/L	99
18) trans-1,2-Dichloroethene	3.556	96	87152	9.633	ug/L	75
19) Methyl acetate	3.565	43	22649	9.541	ug/L #	77
20) Methyl tert-butyl ether	3.654	73	183893	9.872	ug/L #	79
21) tert-Butyl alcohol	3.746	59	14485	59.486	ug/L #	69
22) Diisopropyl ether	4.003	45	172967	9.066	ug/L #	85
23) 1,1-Dichloroethane	4.122	63	148430	9.463	ug/L	93
24) Halothane	4.175	117	66136	9.602	ug/L	99
25) Acrylonitrile	4.178	53	11155	8.812	ug/L	92

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-2
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.343	59	180778	9.325	ug/L	#	80
27) Vinyl acetate	4.354	43	87525	10.053	ug/L	#	83
28) cis-1,2-Dichloroethene	4.636	96	101869	10.137	ug/L	#	73
29) 2,2-Dichloropropane	4.725	77	122115	10.011	ug/L		81
30) Bromochloromethane	4.822	128	44814	10.624	ug/L	#	58
31) Cyclohexane	4.822	56	109231	8.260	ug/L	#	38
32) Chloroform	4.895	83	158971	9.716	ug/L	#	89
33) Ethyl acetate	5.004	43	30945	9.035	ug/L	#	87
34) Carbon tetrachloride	5.026	117	112394	9.228	ug/L		98
35) Tetrahydrofuran	5.048	42	9752M1	9.483	ug/L		
37) 1,1,1-Trichloroethane	5.085	97	135040	9.674	ug/L	#	80
39) 2-Butanone	5.193	43	13422M6	9.969	ug/L		
40) 1,1-Dichloropropene	5.210	75	111267	9.191	ug/L		99
41) Benzene	5.447	78	359902	9.612	ug/L	#	85
42) tert-Amyl methyl ether	5.564	73	182020	9.657	ug/L		93
44) 1,2-Dichloroethane	5.653	62	95318	9.976	ug/L		94
47) Methyl cyclohexane	6.033	83	146343	8.794	ug/L	#	57
48) Trichloroethene	6.044	95	95824	9.658	ug/L		98
50) Dibromomethane	6.479	93	46890	10.049	ug/L		98
51) 1,2-Dichloropropane	6.579	63	82183	9.414	ug/L	#	92
54) Bromodichloromethane	6.652	83	118973	9.847	ug/L		99
57) 1,4-Dioxane	6.872	88	23425	656.545	ug/L	#	47
58) cis-1,3-Dichloropropene	7.338	75	128938	9.751	ug/L	#	77
61) Toluene	7.600	92	230287	9.309	ug/L		99
62) 4-Methyl-2-pentanone	8.038	58	12609	8.459	ug/L	#	87
63) Tetrachloroethene	8.049	166	96340	9.616	ug/L		98
65) trans-1,3-Dichloropropene	8.088	75	102952	8.568	ug/L	#	78
67) Ethyl methacrylate	8.275	69	72071	8.695	ug/L		92
68) 1,1,2-Trichloroethane	8.266	83	56353	9.452	ug/L		99
69) Chlorodibromomethane	8.478	129	77776	9.315	ug/L		98
70) 1,3-Dichloropropane	8.590	76	117078	9.368	ug/L		100
71) 1,2-Dibromoethane	8.757	107	62721	9.685	ug/L		97
72) 2-Hexanone	9.047	43	16799	7.732	ug/L	#	77
73) Chlorobenzene	9.401	112	261845	9.402	ug/L		98
74) Ethylbenzene	9.438	91	448965	9.268	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.485	131	86059	9.243	ug/L		97
76) p/m Xylene	9.624	106	353367	19.333	ug/L		98
77) o Xylene	10.171	106	341878	19.380	ug/L		97
78) Styrene	10.238	104	554623	19.409	ug/L		98
80) Bromoform	10.269	173	38392	9.025	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-2
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	10.561	105	440885	8.890	ug/L		99
84) Bromobenzene	11.005	156	101066	9.381	ug/L		99
85) n-Propylbenzene	11.049	91	524374	9.050	ug/L		100
86) 1,4-Dichlorobutane	11.063	55	80765	8.758	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.141	83	75722	9.776	ug/L		95
88) 4-Ethyltoluene	11.178	105	439050	9.239	ug/L		100
89) 2-Chlorotoluene	11.217	91	306272	8.946	ug/L		98
90) 1,3,5-Trimethylbenzene	11.278	105	361689	9.188	ug/L		98
91) 1,2,3-Trichloropropane	11.278	75	52097	8.268	ug/L		93
92) trans-1,4-Dichloro-2-b...	11.342	53	7492	5.281	ug/L	#	48
93) 4-Chlorotoluene	11.406	91	318236	9.196	ug/L		99
94) tert-Butylbenzene	11.618	119	303359	9.193	ug/L		98
97) 1,2,4-Trimethylbenzene	11.702	105	354332	9.330	ug/L		99
98) sec-Butylbenzene	11.814	105	440637	9.029	ug/L		99
99) p-Isopropyltoluene	11.973	119	369490	9.264	ug/L		99
100) 1,3-Dichlorobenzene	12.037	146	197739	9.604	ug/L		99
101) 1,4-Dichlorobenzene	12.129	146	196645	9.258	ug/L		99
102) p-Diethylbenzene	12.346	119	209780	9.302	ug/L		99
103) n-Butylbenzene	12.405	91	303989	9.179	ug/L		100
104) 1,2-Dichlorobenzene	12.558	146	172590	9.561	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.147	119	280097	9.180	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.342	155	7928	8.855	ug/L		99
107) 1,3,5-Trichlorobenzene	13.372	180	103792	9.459	ug/L		98
108) Hexachlorobutadiene	13.952	225	35405	9.079	ug/L		99
109) 1,2,4-Trichlorobenzene	13.978	180	78483	9.199	ug/L		100
110) Naphthalene	14.268	128	141985	9.029	ug/L		100
111) 1,2,3-Trichlorobenzene	14.438	180	60466	9.609	ug/L		96

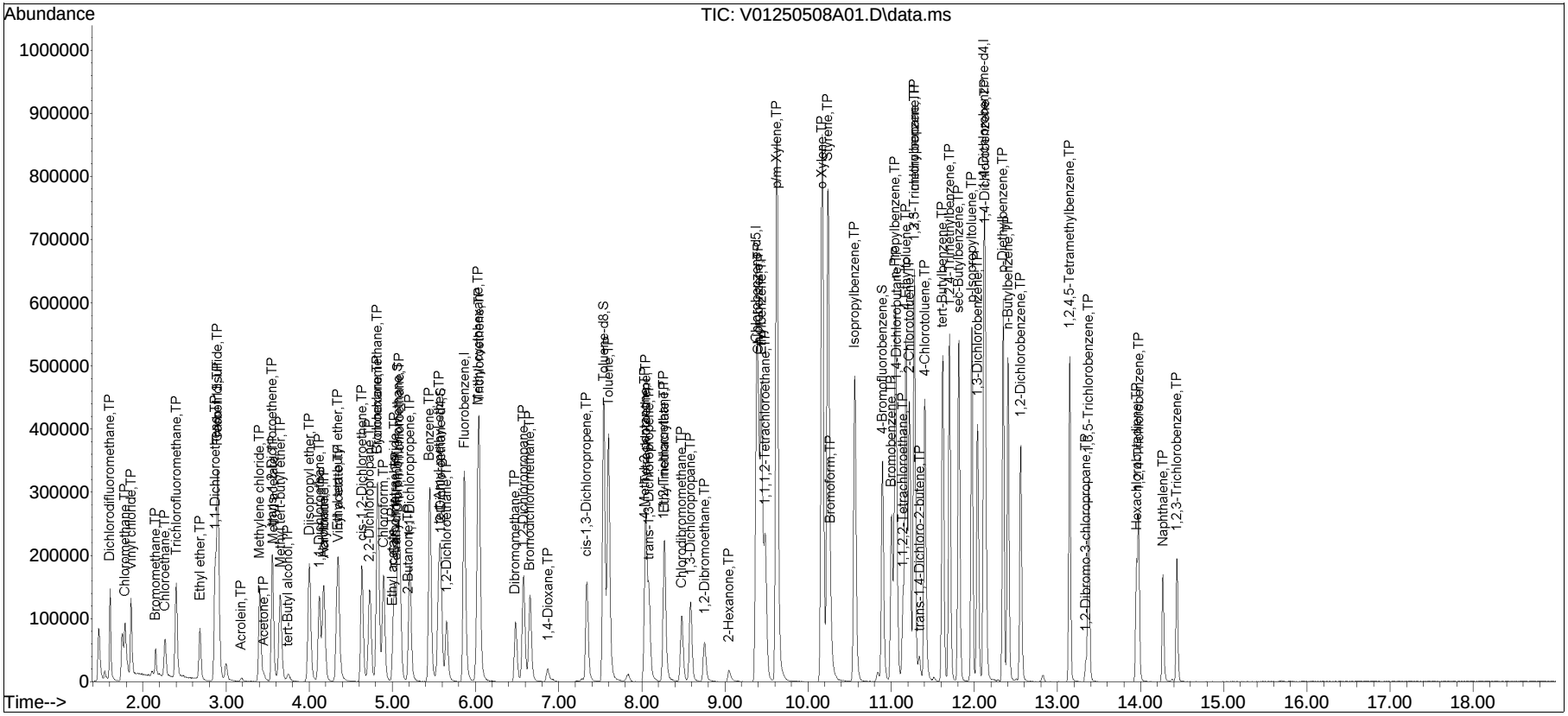
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-2
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

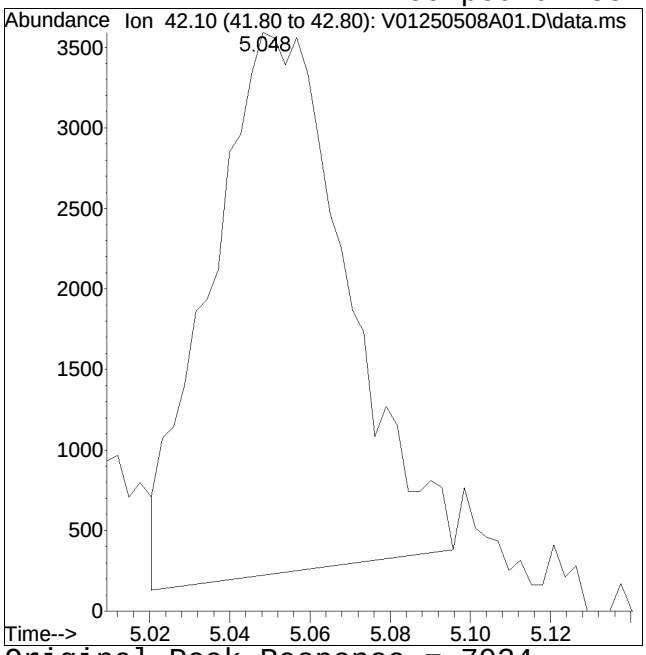
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODOD•

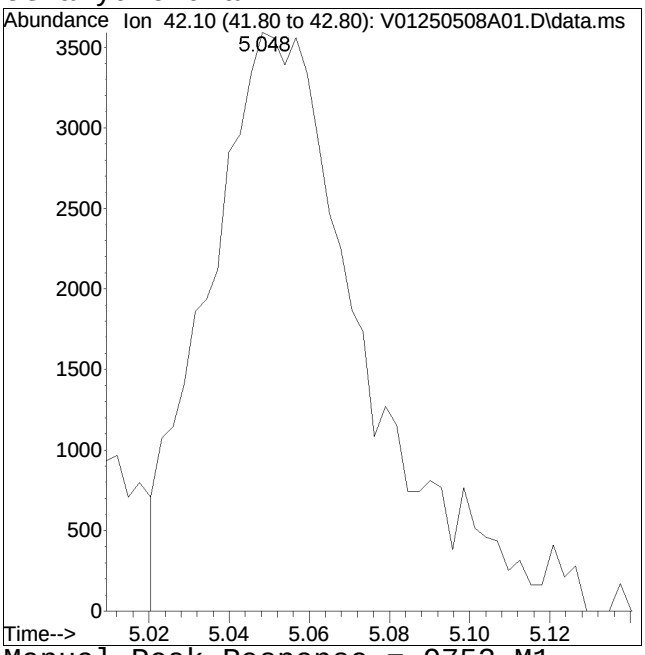


Manual Integration Report

Data Path	: K:\VOA101\2025\250508A\	QMethod	: V101_250503B_8260.m
Data File	: V01250508A01.D	Operator	: VOA101:mjv
Date Inj'd	: 5/8/2025 7:46 am	Instrument	: VOA 101
Sample	: WG2064186-2	Quant Date	: 5/8/2025 9:17 am

Compound #35: Tetrahydrofuran





Original Peak Response = 7934 Manual Peak Response = 9752 M1

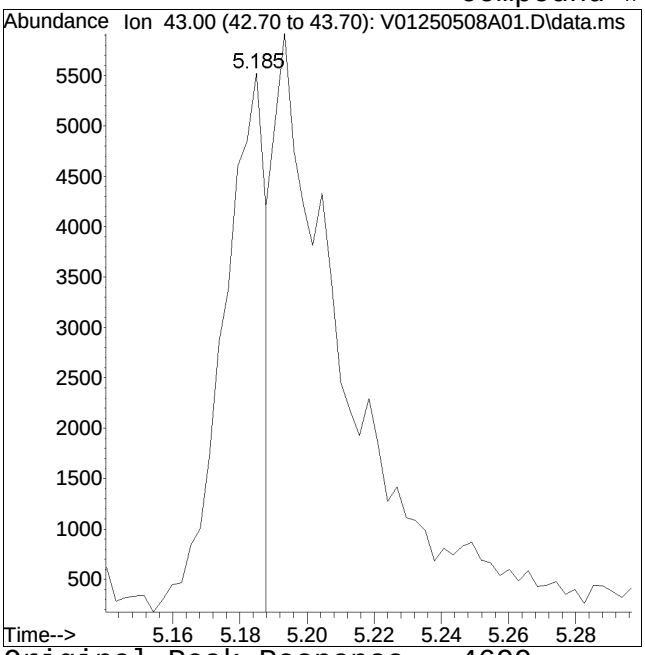
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

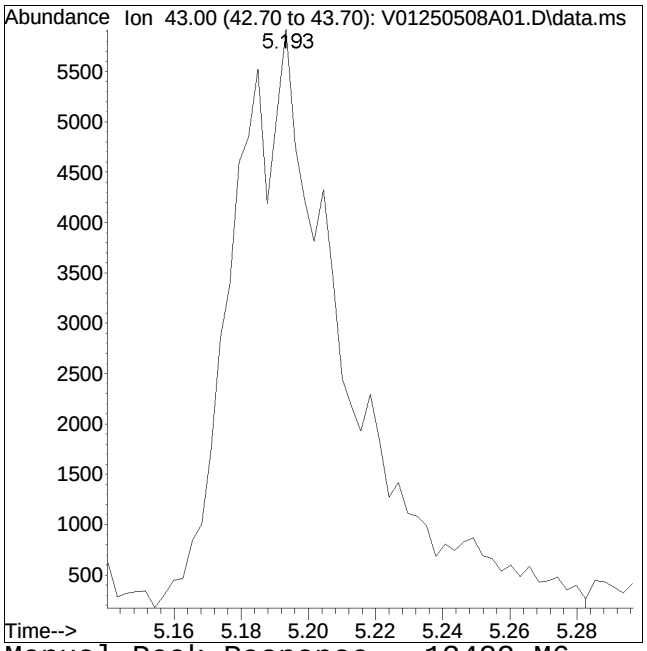
Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Date Inj'd : 5/8/2025 7:46 am
Sample : WG2064186-2

QMethod : V101_250503B_8260.m
Operator : VOA101:mjv
Instrument : VOA 101
Quant Date : 5/8/2025 9:17 am

Compound #39: 2-Butanone



Original Peak Response = 4699



Manual Peak Response = 13422 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	74	0.00
2	TP	Dichlorodifluoromethane	0.164	0.170	-3.7	72	0.00
3	TP	Chloromethane	0.229	0.191	16.6	56	0.00
4	TP	Vinyl chloride	0.199	0.169	15.1	60	0.00
5	TP	Bromomethane	0.062	0.066	-6.5	90	0.00
6	TP	Chloroethane	0.102	0.104	-2.0	67	0.00
7	TP	Trichlorofluoromethane	0.190	0.236	-24.2#	87	0.00
8	TP	Ethyl ether	0.060	0.053	11.7	64	0.00
10	TP	1,1-Dichloroethene	0.115	0.127	-10.4	76	0.00
11	TP	Carbon disulfide	0.414	0.408	1.4	69	0.00
12	TP	Freon-113	0.119	0.138	-16.0	81	0.00
14	TP	Acrolein	0.017	0.014	17.6	55	0.00
15	TP	Methylene chloride	0.140	0.143	-2.1	73	0.00
17	TP	Acetone	0.029	0.024	17.2	59	0.00
18	TP	trans-1,2-Dichloroethene	0.132	0.141	-6.8	75	0.00
19	TP	Methyl acetate	0.076	0.061	19.7	61	0.00
21	TP	Methyl tert-butyl ether	0.248	0.220	11.3	64	0.00
22	TP	tert-Butyl alcohol	0.00581	0.00537#	7.6	69	0.00
24	TP	Diisopropyl ether	0.491	0.383	22.0#	56	0.00
25	TP	1,1-Dichloroethane	0.289	0.269#	6.9	65	0.00
26	TP	Halothane	0.098	0.117	-19.4	86	0.00
27	TP	Acrylonitrile	0.034	0.031	8.8	63	0.00
28	TP	Ethyl tert-butyl ether	0.341	0.287	15.8	63	0.00
29	TP	Vinyl acetate	0.268	0.181	32.5#	52	0.00
30	TP	cis-1,2-Dichloroethene	0.141	0.155#	-9.9	76	0.00
31	TP	2,2-Dichloropropane	0.187	0.197	-5.3	75	0.00
32	TP	Bromochloromethane	0.062	0.080#	-29.0#	89	0.00
33	TP	Cyclohexane	0.299	0.274	8.4	62	0.00
34	TP	Chloroform	0.240	0.238#	0.8	73	0.00
35	TP	Ethyl acetate	0.093	0.073	21.5#	59	0.00
36	TP	Carbon tetrachloride	0.178	0.222	-24.7#	88	0.00
37	TP	Tetrahydrofuran	0.030	0.025	16.7	56	0.00
38	S	Dibromofluoromethane	0.275	0.319	-16.0	84	0.00
39	TP	1,1,1-Trichloroethane	0.198	0.225	-13.6	79	0.00
41	TP	2-Butanone	0.040	0.036	10.0	72	0.00
42	TP	1,1-Dichloropropene	0.178	0.159	10.7	64	0.00
44	TP	Benzene	0.519	0.475	8.5	66	0.00
45	TP	tert-Amyl methyl ether	0.242	0.199	17.8	64	0.00
46	S	1,2-Dichloroethane-d4	0.303	0.292	3.6	71	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	1,2-Dichloroethane	0.173	0.161	6.9	69	0.00
50	TP	Methyl cyclohexane	0.236	0.197	16.5	67	0.00
51	TP	Trichloroethene	0.141	0.146#	-3.5	78	0.00
53	TP	Dibromomethane	0.053	0.061	-15.1	84	0.00
54	TP	1,2-Dichloropropane	0.152	0.129#	15.1	60	0.00
57	TP	Bromodichloromethane	0.172	0.169#	1.7	70	0.00
60	TP	1,4-Dioxane	0.00064	0.00069#	-7.8	78	0.00
61	TP	cis-1,3-Dichloropropene	0.191	0.172#	9.9	67	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
63	S	Toluene-d8	1.352	1.240	8.3	77	0.00
64	TP	Toluene	0.429	0.389	9.3	74	0.00
65	TP	4-Methyl-2-pentanone	* 10.000	6.689	33.1#	62	0.00
66	TP	Tetrachloroethene	0.174	0.204	-17.2	96	0.00
68	TP	trans-1,3-Dichloropropene	0.204	0.160#	21.6#	67	0.00
70	TP	Ethyl methacrylate	0.123	0.081	34.1#	62	0.00
71	TP	1,1,2-Trichloroethane	0.098	0.079#	19.4	67	0.00
72	TP	Chlorodibromomethane	0.139	0.144#	-3.6	86	0.00
73	TP	1,3-Dichloropropane	0.211	0.164	22.3#	64	0.00
74	TP	1,2-Dibromoethane	0.107	0.102#	4.7	79	0.00
76	TP	2-Hexanone	0.063	0.041	34.9#	61	0.00
77	TP	Chlorobenzene	0.484	0.486	-0.4	82	0.00
78	TP	Ethylbenzene	0.832	0.740	11.1	71	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.152	0.161	-5.9	89	0.00
80	TP	p/m Xylene	0.312	0.307	1.6	78	0.00
81	TP	o Xylene	0.300	0.287	4.3	76	0.00
82	TP	Styrene	* 20.000	18.011	9.9	78	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
84	TP	Bromoform	* 10.000	9.533	4.7	95	0.00
86	TP	Isopropylbenzene	1.594	1.417	11.1	75	0.00
87	S	4-Bromofluorobenzene	0.919	0.776	15.6	75	0.00
88	TP	Bromobenzene	0.351	0.371	-5.7	92	0.00
89	TP	n-Propylbenzene	1.904	1.595	16.2	70	0.00
90	TP	1,4-Dichlorobutane	0.471	0.350	25.7#	66	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.256	0.197#	23.0#	69	0.00
92	TP	4-Ethyltoluene	1.488	1.364	8.3	77	0.00
93	TP	2-Chlorotoluene	1.125	0.943	16.2	71	0.00
94	TP	1,3,5-Trimethylbenzene	1.228	1.121	8.7	78	0.00

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
95 TP	1,2,3-Trichloropropane		0.210	0.157	25.2#	69	0.00
96 TP	trans-1,4-Dichloro-2-butene		0.078	0.056	28.2#	65	0.00
97 TP	4-Chlorotoluene		1.154	0.982	14.9	73	0.00
98 TP	tert-Butylbenzene		1.263	1.059	16.2	70	0.00
101 TP	1,2,4-Trimethylbenzene		1.361	1.268	6.8	79	0.00
102 TP	sec-Butylbenzene		1.630	1.504	7.7	77	0.00
103 TP	p-Isopropyltoluene	*	10.000	9.032	9.7	81	0.00
104 TP	1,3-Dichlorobenzene		0.725	0.766	-5.7	91	0.00
105 TP	1,4-Dichlorobenzene		0.722	0.744	-3.0	90	0.00
106 TP	p-Diethylbenzene		0.822	0.733	10.8	81	0.00
107 TP	n-Butylbenzene		1.171	1.026	12.4	73	0.00
108 TP	1,2-Dichlorobenzene		0.639	0.677	-5.9	93	0.00
109 TP	1,2,4,5-Tetramethylbenzene		1.121	0.945	15.7	78	0.00
110 TP	1,2-Dibromo-3-chloropropane	*	10.000	9.438	5.6	99	0.00
111 TP	1,3,5-Trichlorobenzene		0.435	0.478	-9.9	94	0.00
112 TP	Hexachlorobutadiene		0.146	0.167	-14.4	101	0.00
113 TP	1,2,4-Trichlorobenzene		0.369	0.385#	-4.3	91	0.00
114 TP	Naphthalene		0.767	0.722	5.9	82	0.00
115 TP	1,2,3-Trichlorobenzene		0.310	0.331#	-6.8	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 17 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	405024	10.000	ug/L	0.00
Standard Area 1 = 405024			Recovery = 100.00%			
62) Chlorobenzene-d5	9.407	117	348411	10.000	ug/L	0.00
Standard Area 1 = 348411			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.139	152	191325	10.000	ug/L	0.00
Standard Area 1 = 191325			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.068	113	129073	11.586	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.86%			
46) 1,2-Dichloroethane-d4	5.591	65	118173	9.620	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.20%			
63) Toluene-d8	7.569	98	432015	9.175	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.75%			
87) 4-Bromofluorobenzene	10.915	95	148443	8.441	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.41%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.585	85	68813	10.387	ug/L	97
3) Chloromethane	1.765	50	77451	8.367	ug/L	98
4) Vinyl chloride	1.836	62	68545	8.514	ug/L	97
5) Bromomethane	2.134	94	26884	10.671	ug/L	96
6) Chloroethane	2.244	64	42203	10.186	ug/L	98
7) Trichlorofluoromethane	2.385	101	95468	12.377	ug/L	100
8) Ethyl ether	2.676	74	21399	8.875	ug/L	95
10) 1,1-Dichloroethene	2.864	96	51473	11.058	ug/L	84
11) Carbon disulfide	2.895	76	165384	9.864	ug/L	98
12) Freon-113	2.903	101	55957	11.578	ug/L	89
14) Acrolein	3.170	56	5495	7.756	ug/L	100
15) Methylene chloride	3.397	84	57816	10.184	ug/L	86
17) Acetone	3.437	43	9650	8.315	ug/L	95
18) trans-1,2-Dichloroethene	3.546	96	57067	10.704	ug/L	87
19) Methyl acetate	3.554	43	24795	8.064	ug/L	97
21) Methyl tert-butyl ether	3.648	73	89029	8.851	ug/L	98
22) tert-Butyl alcohol	3.727	59	10881	46.263	ug/L #	84
24) Diisopropyl ether	4.001	45	155202	7.803	ug/L	97
25) 1,1-Dichloroethane	4.119	63	108878	9.293	ug/L	98
26) Halothane	4.174	117	47372	11.986	ug/L	97
27) Acrylonitrile	4.158	53	12468	9.153	ug/L	97

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.347	59	116404	8.421	ug/L		91
29) Vinyl acetate	4.354	43	73447	6.772	ug/L	#	96
30) cis-1,2-Dichloroethene	4.637	96	62705	11.000	ug/L		86
31) 2,2-Dichloropropane	4.739	77	79904	10.561	ug/L		90
32) Bromochloromethane	4.825	128	32329	12.779	ug/L	#	75
33) Cyclohexane	4.833	56	110782	9.143	ug/L		96
34) Chloroform	4.896	83	96520	9.920	ug/L		97
35) Ethyl acetate	5.006	43	29532	7.877	ug/L		98
36) Carbon tetrachloride	5.029	117	90061	12.469	ug/L		99
37) Tetrahydrofuran	5.037	42	10101M6	8.299	ug/L		
39) 1,1,1-Trichloroethane	5.100	97	91179	11.361	ug/L		95
41) 2-Butanone	5.178	43	14485	8.891	ug/L	#	48
42) 1,1-Dichloropropene	5.217	75	64576	8.969	ug/L		90
44) Benzene	5.458	78	192351	9.151	ug/L		97
45) tert-Amyl methyl ether	5.577	73	80585	8.207	ug/L		98
47) 1,2-Dichloroethane	5.661	62	65390	9.324	ug/L		98
50) Methyl cyclohexane	6.052	83	79647	8.344	ug/L		95
51) Trichloroethene	6.052	95	59138	10.342	ug/L		88
53) Dibromomethane	6.484	93	24733	11.566	ug/L	#	83
54) 1,2-Dichloropropane	6.589	63	52424	8.492	ug/L		93
57) Bromodichloromethane	6.665	83	68288	9.782	ug/L		96
60) 1,4-Dioxane	6.874	88	14039	538.353	ug/L		93
61) cis-1,3-Dichloropropene	7.353	75	69787	9.040	ug/L		94
64) Toluene	7.624	92	135539	9.060	ug/L		95
65) 4-Methyl-2-pentanone	8.055	58	7297	6.689	ug/L	#	97
66) Tetrachloroethene	8.076	166	71245	11.764	ug/L		91
68) trans-1,3-Dichloropropene	8.104	75	55704	7.842	ug/L		94
70) Ethyl methacrylate	8.305	69	28296	6.606	ug/L		83
71) 1,1,2-Trichloroethane	8.284	83	27696	8.077	ug/L		90
72) Chlorodibromomethane	8.500	129	50272	10.411	ug/L		95
73) 1,3-Dichloropropane	8.611	76	57006	7.764	ug/L		99
74) 1,2-Dibromoethane	8.771	107	35661	9.554	ug/L		99
76) 2-Hexanone	9.063	43	14179	6.418	ug/L		99
77) Chlorobenzene	9.428	112	169348	10.042	ug/L		92
78) Ethylbenzene	9.477	91	257966	8.902	ug/L		95
79) 1,1,1,2-Tetrachloroethane	9.512	131	56160	10.597	ug/L		99
80) p/m Xylene	9.659	106	213580	19.627	ug/L		89
81) o Xylene	10.206	106	200029	19.164	ug/L		91
82) Styrene	10.270	104	319847	18.011	ug/L		94
84) Bromoform	10.291	173	28158	9.533	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) Isopropylbenzene	10.599	105	271203	8.891	ug/L		96
88) Bromobenzene	11.034	156	71000	10.572	ug/L		99
89) n-Propylbenzene	11.083	91	305173	8.377	ug/L		93
90) 1,4-Dichlorobutane	11.090	55	67004	7.435	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.167	83	37649	7.678	ug/L		96
92) 4-Ethyltoluene	11.216	105	260880	9.164	ug/L		96
93) 2-Chlorotoluene	11.244	91	180436M6	8.386	ug/L		
94) 1,3,5-Trimethylbenzene	11.314	105	214561	9.129	ug/L		94
95) 1,2,3-Trichloropropane	11.300	75	29950	7.459	ug/L		90
96) trans-1,4-Dichloro-2-b...	11.357	53	10790	7.257	ug/L		94
97) 4-Chlorotoluene	11.434	91	187818	8.504	ug/L		90
98) tert-Butylbenzene	11.658	119	202686	8.386	ug/L	#	90
101) 1,2,4-Trimethylbenzene	11.735	105	242607	9.316	ug/L		94
102) sec-Butylbenzene	11.853	105	287666	9.227	ug/L		96
103) p-Isopropyltoluene	12.006	119	247533	9.032	ug/L		96
104) 1,3-Dichlorobenzene	12.062	146	146626	10.573	ug/L		97
105) 1,4-Dichlorobenzene	12.160	146	142266	10.302	ug/L		96
106) p-Diethylbenzene	12.382	119	140222	8.916	ug/L		95
107) n-Butylbenzene	12.438	91	196243	8.759	ug/L	#	95
108) 1,2-Dichlorobenzene	12.584	146	129571	10.601	ug/L		97
109) 1,2,4,5-Tetramethylben...	13.183	119	180878	8.435	ug/L		96
110) 1,2-Dibromo-3-chloropr...	13.364	155	6812	9.438	ug/L		98
111) 1,3,5-Trichlorobenzene	13.399	180	91500	11.002	ug/L		96
112) Hexachlorobutadiene	13.983	225	31919	11.465	ug/L		99
113) 1,2,4-Trichlorobenzene	14.004	180	73624	10.433	ug/L		99
114) Naphthalene	14.297	128	138194	9.417	ug/L		100
115) 1,2,3-Trichlorobenzene	14.464	180	63356	10.674	ug/L		97

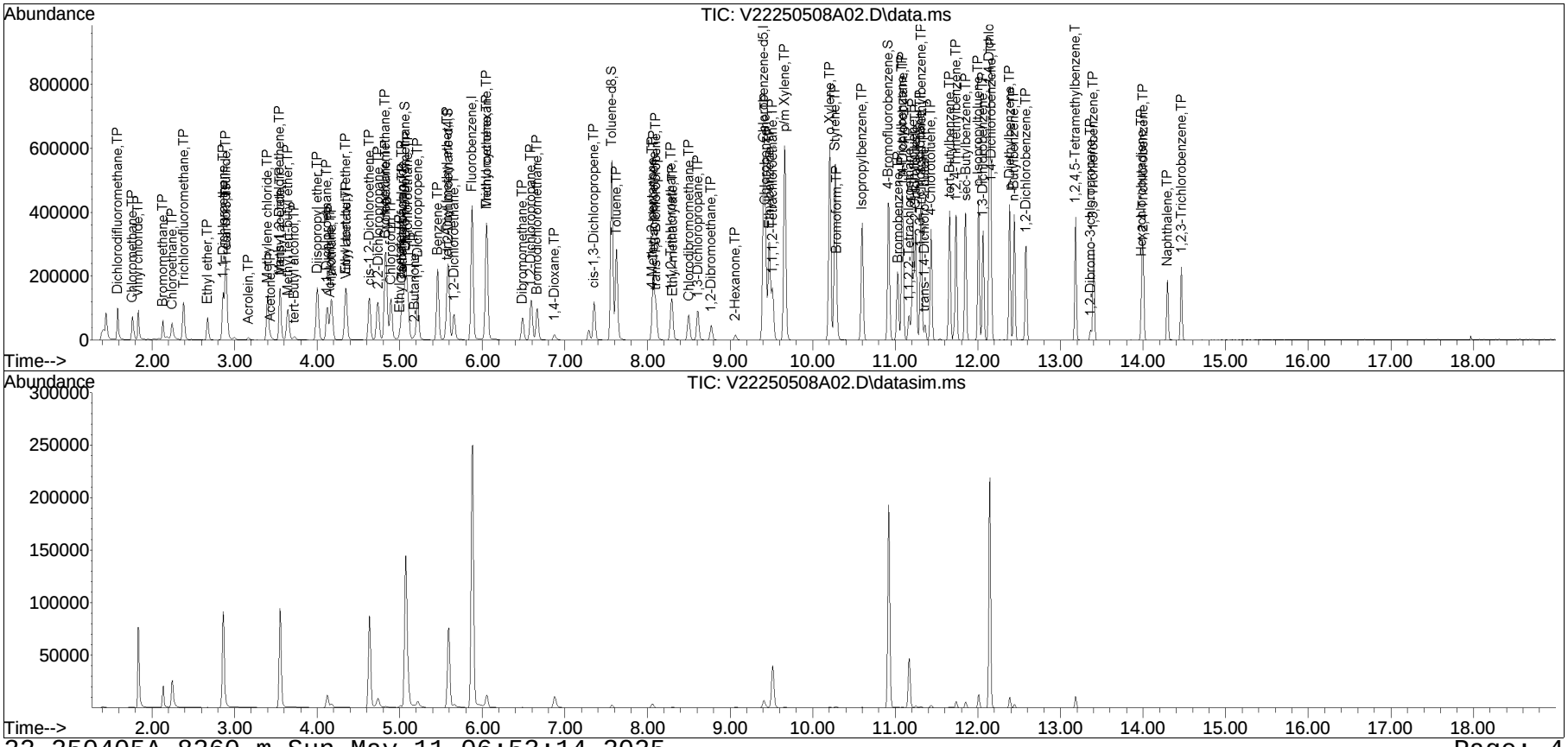
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODOD•

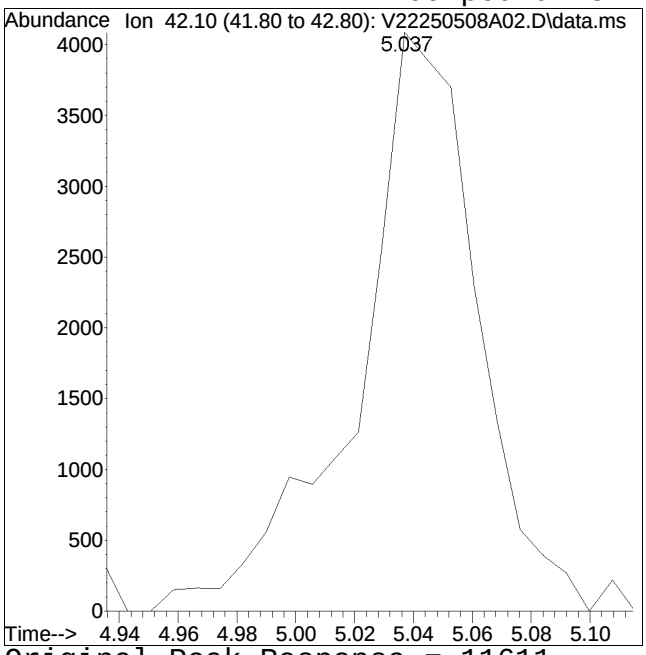


Manual Integration Report

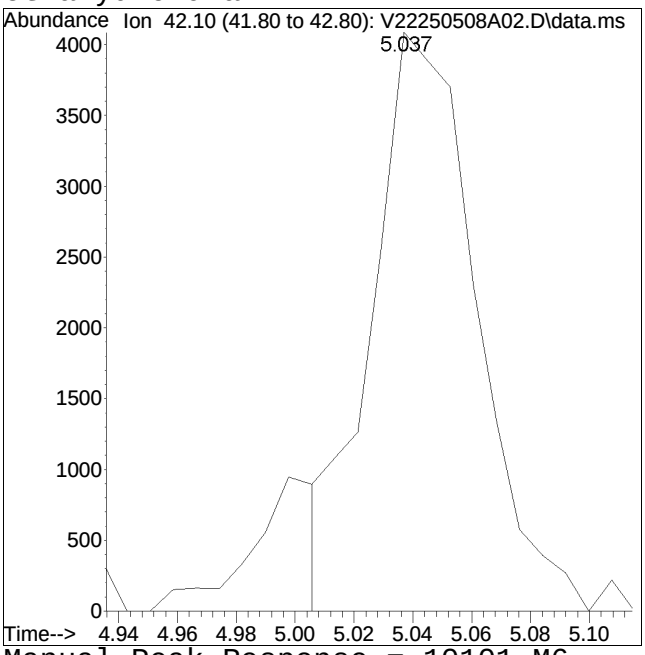
Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Date Inj'd : 5/8/2025 8:08 am
Sample : WG2065078-2

QMethod : V122_250405A_8260.m
Operator : VOA122:mjv
Instrument : VOA 122
Quant Date : 5/8/2025 9:20 am

Compound #37: Tetrahydrofuran



Original Peak Response = 11611



Manual Peak Response = 10101 M6

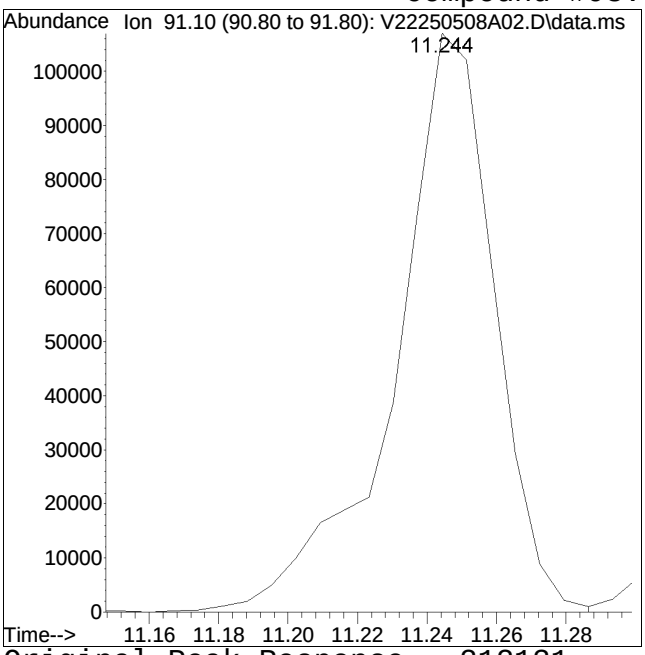
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

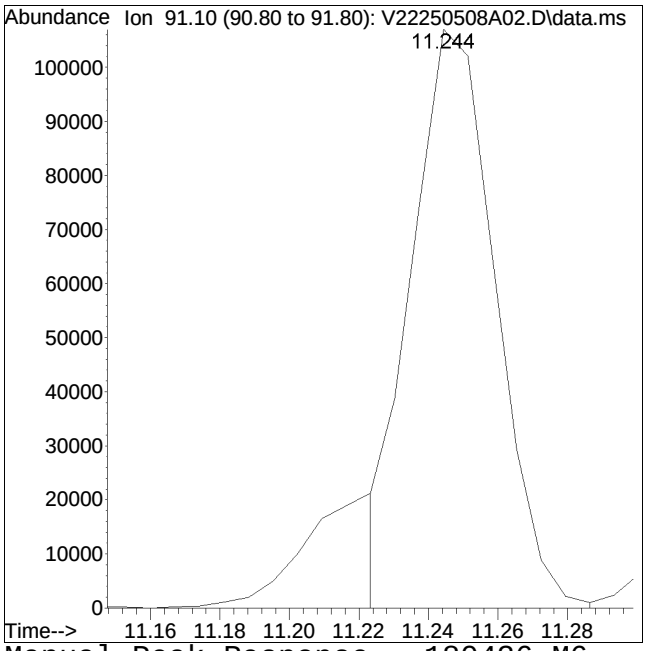
Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Date Inj'd : 5/8/2025 8:08 am
Sample : WG2065078-2

QMethod : V122_250405A_8260.m
Operator : VOA122:mjv
Instrument : VOA 122
Quant Date : 5/8/2025 9:20 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 212131



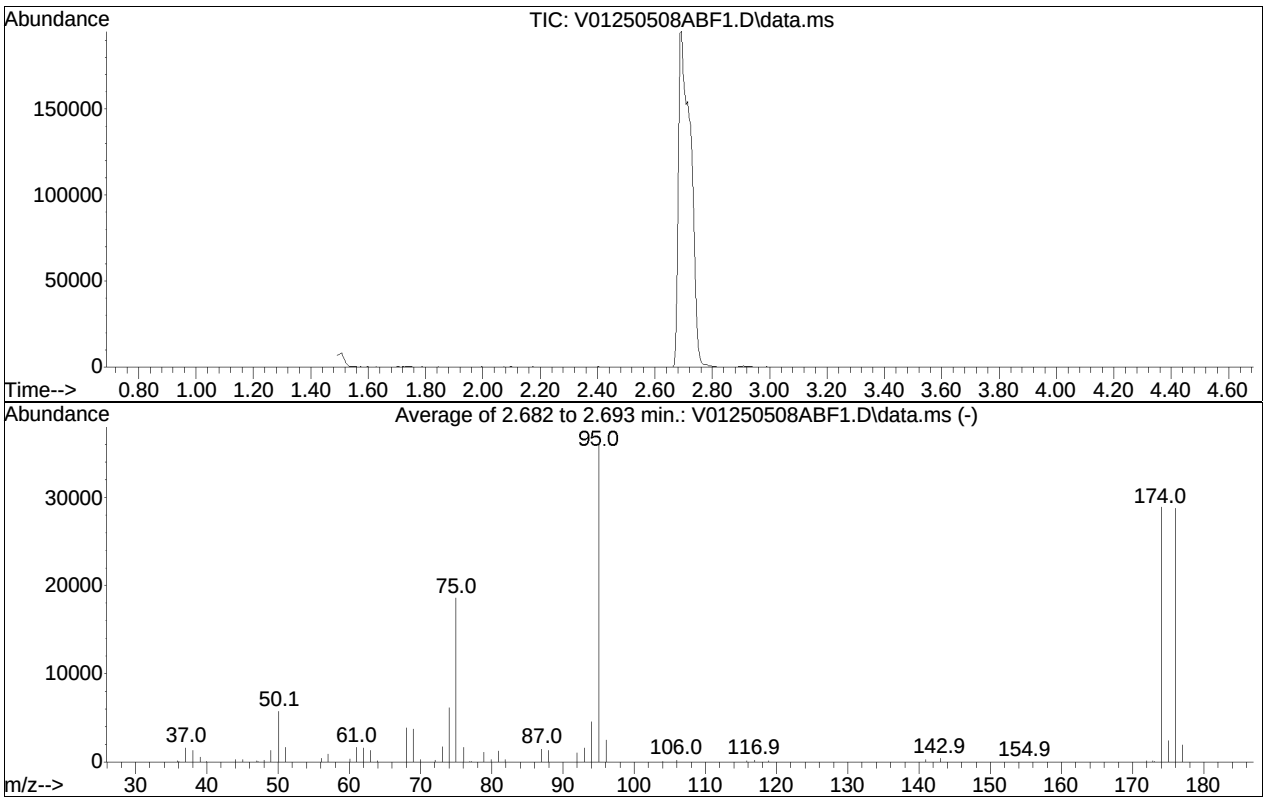
Manual Peak Response = 180436 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508ABF1.D
Acq On : 8 May 2025 7:13 am
Operator : VOA101:mjv
Sample : WG2064186-1
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon May 05 12:04:15 2025



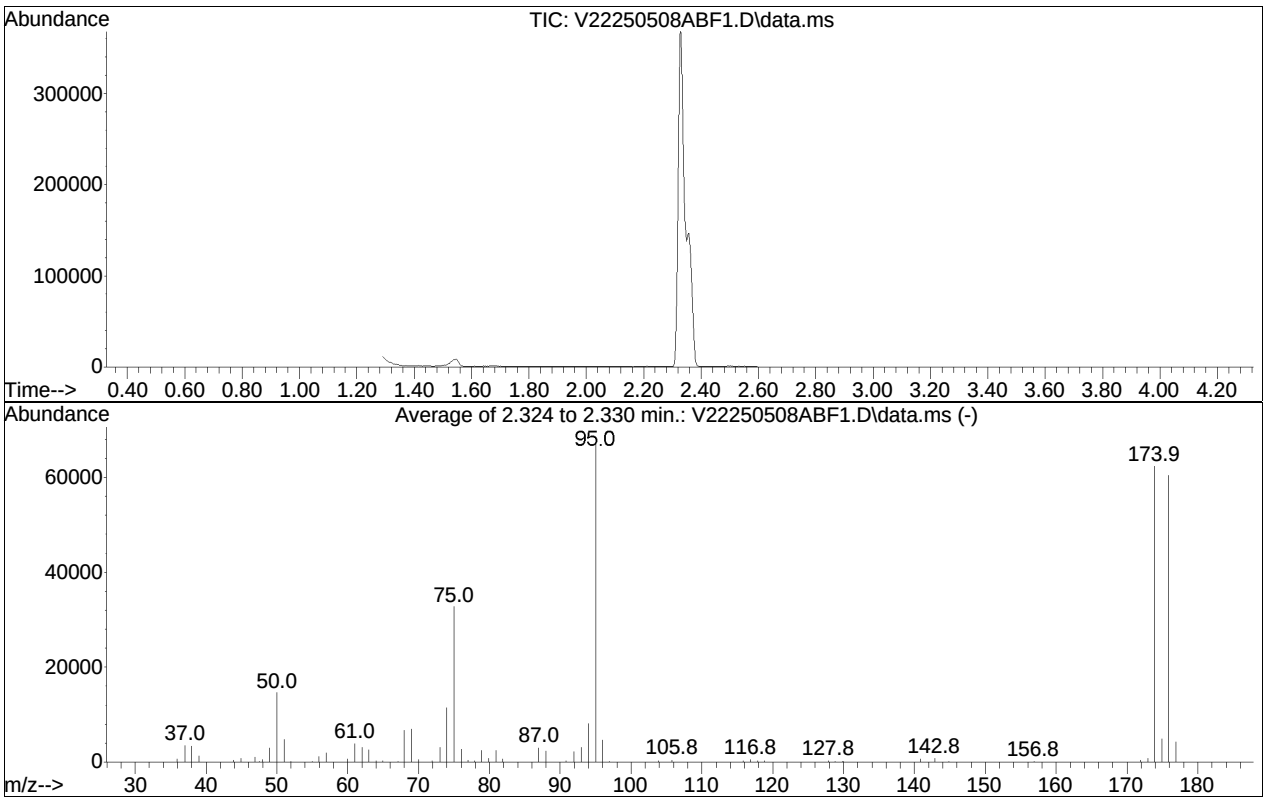
Spectrum Information: Average of 2.682 to 2.693 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.8	5721	PASS
75	95	30	60	51.4	18594	PASS
95	95	100	100	100.0	36187	PASS
96	95	5	9	6.8	2470	PASS
173	174	0.00	2	0.5	139	PASS
174	95	50	100	79.8	28869	PASS
175	174	5	9	8.5	2444	PASS
176	174	95	101	99.6	28741	PASS
177	176	5	9	6.6	1908	PASS

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508ABF1.D
Acq On : 08 May 2025 07:11 am
Operator : VOA122:mjv
Sample : WG2065078-1
Misc : WG2065078,ICAL22177
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Apr 06 12:31:29 2025



Spectrum Information: Average of 2.324 to 2.330 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	14621	PASS
75	95	30	60	48.7	32744	PASS
95	95	100	100	100.0	67301	PASS
96	95	5	9	6.9	4618	PASS
173	174	0.00	2	1.3	826	PASS
174	95	50	100	92.7	62368	PASS
175	174	5	9	7.9	4905	PASS
176	174	95	101	96.9	60427	PASS
177	176	5	9	7.0	4255	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Acq On : 8 May 2025 9:30 am
Operator : VOA101:mjv
Sample : WG2064186-5,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 13:16:19 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.863	96	375134	10.000	ug/L	0.00
Standard Area 1 = 381825			Recovery = 98.25%			
59) Chlorobenzene-d5	9.379	117	285630	10.000	ug/L	0.00
Standard Area 1 = 302275			Recovery = 94.49%			
79) 1,4-Dichlorobenzene-d4	12.118	152	145027	10.000	ug/L	0.00
Standard Area 1 = 164373			Recovery = 88.23%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	100737	10.209	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.09%			
43) 1,2-Dichloroethane-d4	5.584	65	99501	10.134	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.34%			
60) Toluene-d8	7.544	98	391968	9.981	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.81%			
83) 4-Bromofluorobenzene	10.893	95	138495	9.860	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.777	50	435	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.154	94	2568	1.260	ug/L	91
6) Chloroethane	2.237	64	319	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.901	76	10279	0.381	ug/L	95
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.411	84	83	N.D.		
17) Acetone	3.470	43	1509M2	1.596	ug/L	
18) trans-1,2-Dichloroethene	3.576	96	33	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.638	96	53	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.909	83	31	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Acq On : 8 May 2025 9:30 am
Operator : VOA101:mjv
Sample : WG2064186-5,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 13:16:19 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2-Butanone	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	5.980	95	116		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.605	92	25		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	9.401	112	61		N.D.	
74) Ethylbenzene	9.463	91	265		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	10.347	104	57		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	10.589	105	117		N.D.	
85) n-Propylbenzene	11.075	91	99		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	11.284	105	62		N.D.	
94) tert-Butylbenzene	11.624	119	143		N.D.	
97) 1,2,4-Trimethylbenzene	11.719	105	28		N.D.	
98) sec-Butylbenzene	11.827	105	905		N.D.	
99) p-Isopropyltoluene	11.959	119	50		N.D.	
100) 1,3-Dichlorobenzene	12.053	146	310		N.D.	
101) 1,4-Dichlorobenzene	12.129	146	344		N.D.	
103) n-Butylbenzene	12.438	91	939		N.D.	
104) 1,2-Dichlorobenzene	12.578	146	115		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	13.991	180	167		N.D.	
110) Naphthalene	14.290	128	695		N.D.	

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

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Acq On : 8 May 2025 9:30 am
Operator : VOA101:mjv
Sample : WG2064186-5,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 13:16:19 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

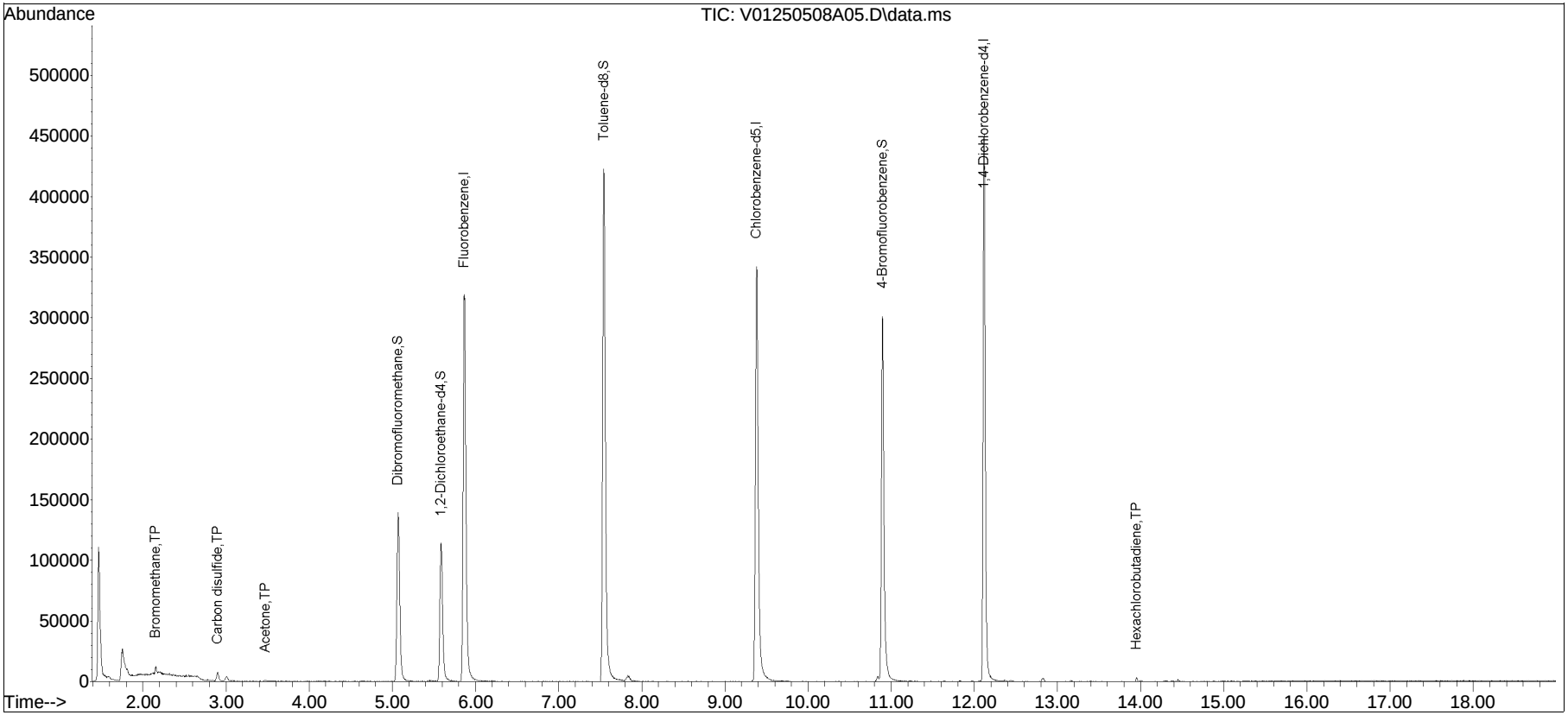
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

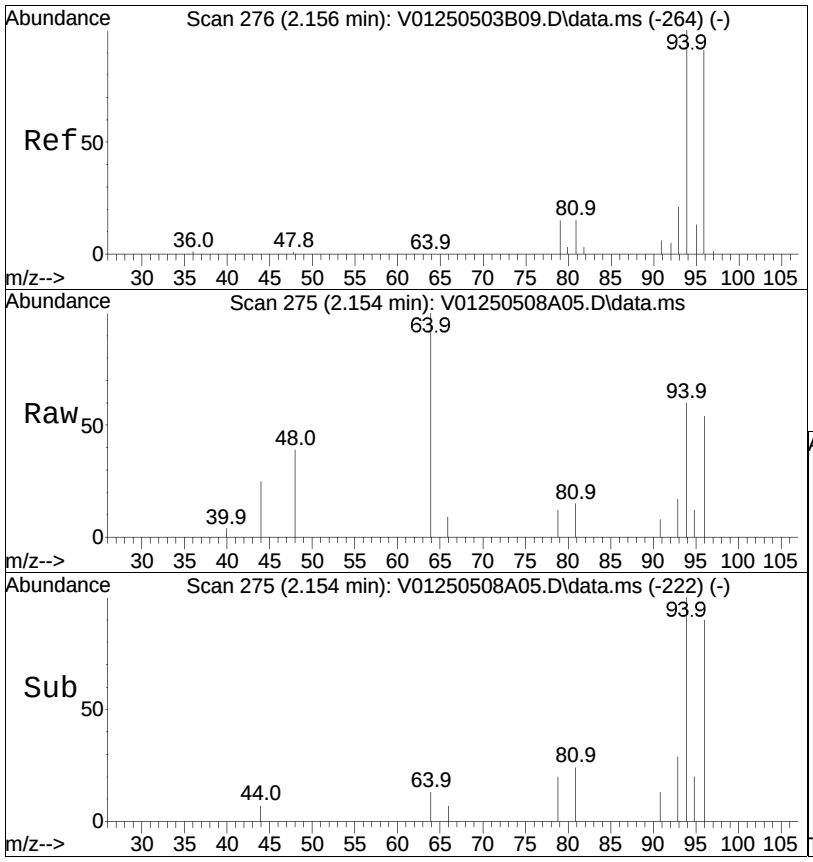
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Acq On : 8 May 2025 9:30 am
Operator : VOA101:mjv
Sample : WG2064186-5,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 13:16:19 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODOD•

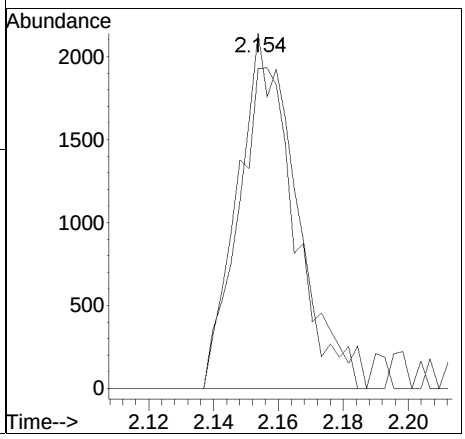


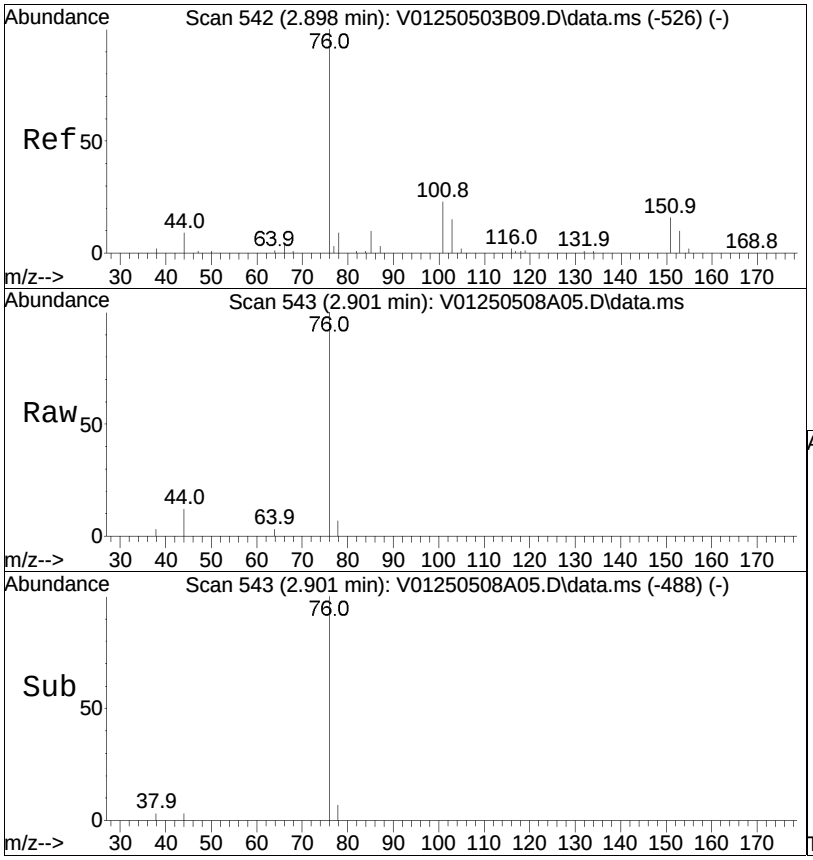


#5
Bromomethane
Concen: 1.26 ug/L
RT: 2.154 min Scan# 275
Delta R.T. -0.002 min
Lab File: V01250508A05.D
Acq: 8 May 2025 9:30 am

Tgt Ion: 94 Resp: 2568

Ion	Ratio	Lower	Upper
94	100		
96	99.4	71.1	111.1

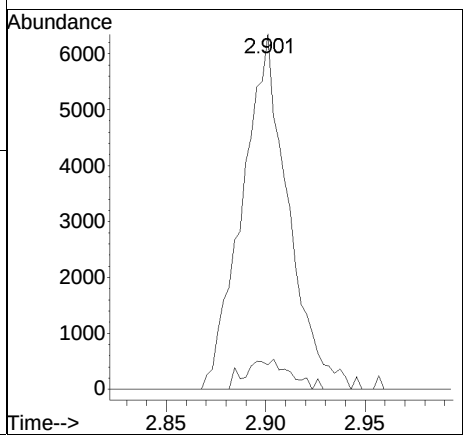


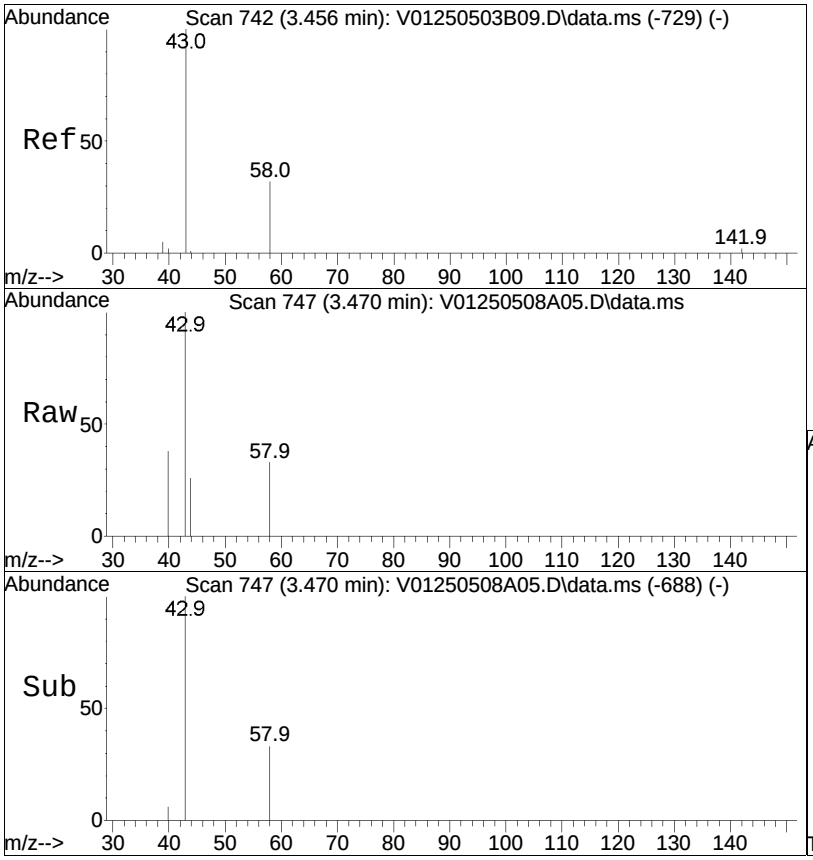


#11
Carbon disulfide
Concen: 0.38 ug/L
RT: 2.901 min Scan# 543
Delta R.T. 0.003 min
Lab File: V01250508A05.D
Acq: 8 May 2025 9:30 am

Tgt Ion: 76 Resp: 10279

Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.4	13.2

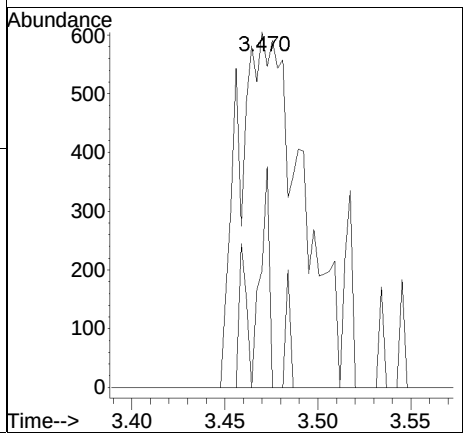




#17
Acetone
Concen: 1.60 ug/L M2
RT: 3.470 min Scan# 747
Delta R.T. 0.014 min
Lab File: V01250508A05.D
Acq: 8 May 2025 9:30 am

Tgt Ion: 43 Resp: 1509

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.2	39.2#

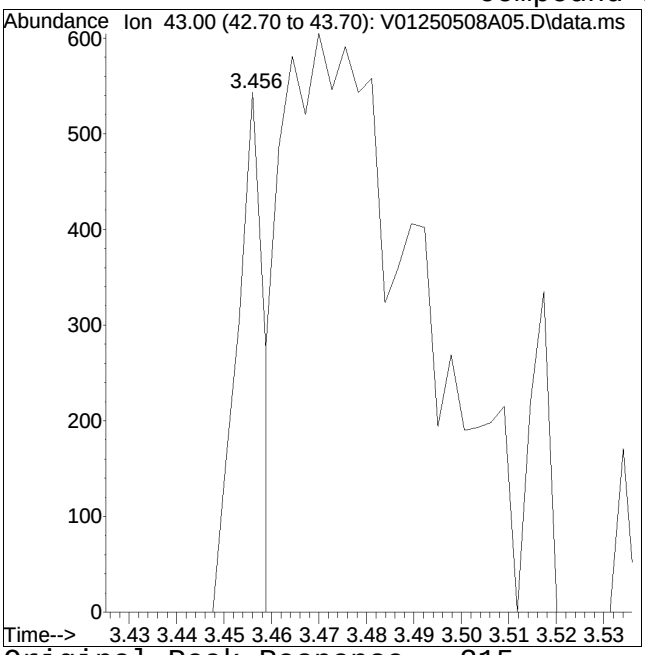


Manual Integration Report

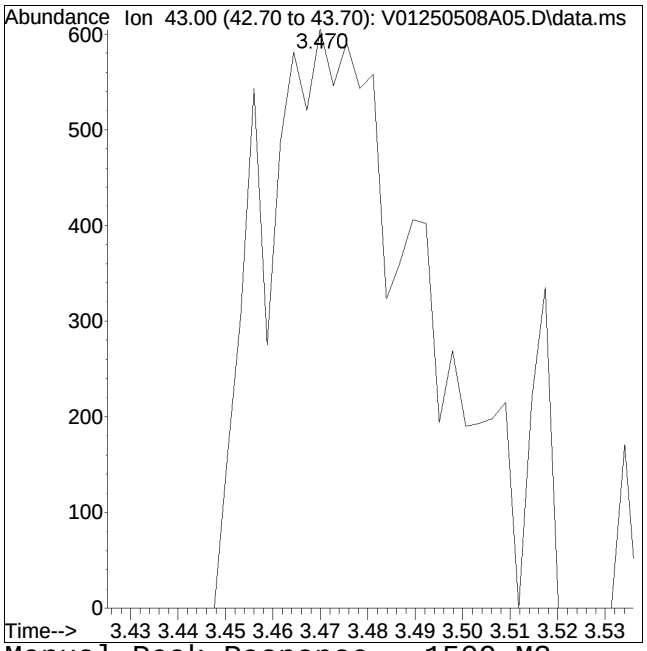
Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Date Inj'd : 5/8/2025 9:30 am
Sample : WG2064186-5,31,10,10

QMethod : V101_250503B_8260.m
Operator : VOA101:mjv
Instrument : VOA 101
Quant Date : 5/8/2025 12:42 pm

Compound #17: Acetone



Original Peak Response = 215



Manual Peak Response = 1509 M2

M2 = Peak not found by automatic integration algorithm.

LSC Area Percent Report

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Acq On : 8 May 2025 9:30 am
Operator : VOA101:mjv
Sample : WG2064186-5,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V01250508A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.752	119	131	150	rBV2	26179	75090	7.70%	1.606%
2	5.071	1299	1321	1349	rBV	139591	328741	33.70%	7.030%
3	5.587	1486	1506	1535	rBV3	114305	264767	27.14%	5.662%
4	5.865	1587	1606	1645	rBV2	319149	756580	77.56%	16.178%
5	7.544	2190	2208	2245	rBV	423123	975426	100.00%	20.858%
6	9.379	2838	2866	2906	rBV3	342400	826995	84.78%	17.684%
7	10.893	3395	3409	3447	rBV2	299054	617422	63.30%	13.202%
8	12.118	3830	3848	3877	rBV	451238	831544	85.25%	17.781%

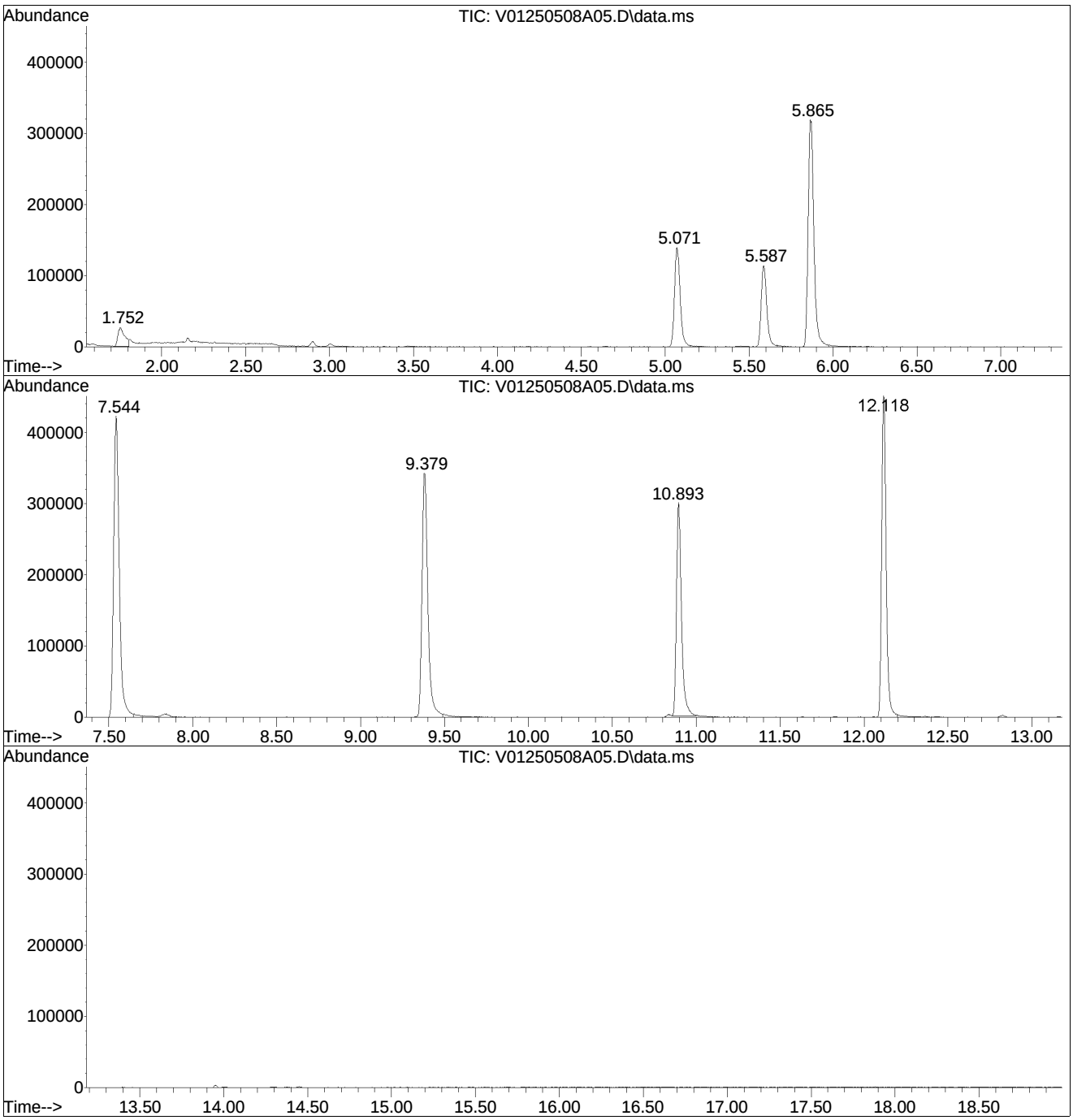
Sum of corrected areas: 4676565

LSC Report - Integrated Chromatogram

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Acq On : 8 May 2025 9:30 am
Operator : VOA101:mjv
Sample : WG2064186-5,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Acq On : 8 May 2025 9:30 am
Operator : VOA101:mjv
Sample : WG2064186-5,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A05.D
Acq On : 8 May 2025 9:30 am
Operator : VOA101:mjv
Sample : WG2064186-5,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					|--Internal Standard---|		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A05.D
Acq On : 08 May 2025 09:21 am
Operator : VOA122:mjv
Sample : WG2065078-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 09:52:19 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	372113	10.000	ug/L	0.00
Standard Area 1 = 405024			Recovery = 91.87%			
62) Chlorobenzene-d5	9.407	117	319706	10.000	ug/L	0.00
Standard Area 1 = 348411			Recovery = 91.76%			
83) 1,4-Dichlorobenzene-d4	12.146	152	168149	10.000	ug/L	0.00
Standard Area 1 = 191325			Recovery = 87.89%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.068	113	123268	12.044	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.44%			
46) 1,2-Dichloroethane-d4	5.591	65	112872	10.001	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.01%			
63) Toluene-d8	7.568	98	403836	9.346	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.46%			
87) 4-Bromofluorobenzene	10.922	95	129592	8.384	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.142	94	452	0.195	ug/L #	75
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.887	76	432	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A05.D
Acq On : 08 May 2025 09:21 am
Operator : VOA122:mjv
Sample : WG2065078-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 09:52:19 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2-Butanone	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	0.000		0	N.D.		
51) Trichloroethene	6.010	95	160	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.407	91	423	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.915	91	344	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
98) tert-Butylbenzene	0.000		0	N.D.		
101) 1,2,4-Trimethylbenzene	11.853	105	227	N.D.		
102) sec-Butylbenzene	11.853	105	227	N.D.		
103) p-Isopropyltoluene	0.000		0	N.D.	d	
104) 1,3-Dichlorobenzene	12.159	146	79	N.D.		
105) 1,4-Dichlorobenzene	12.159	146	79	N.D.		
107) n-Butylbenzene	12.438	91	442	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	14.004	180	261	N.D.		
114) Naphthalene	14.296	128	315	N.D.		

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

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A05.D
Acq On : 08 May 2025 09:21 am
Operator : VOA122:mjv
Sample : WG2065078-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 09:52:19 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

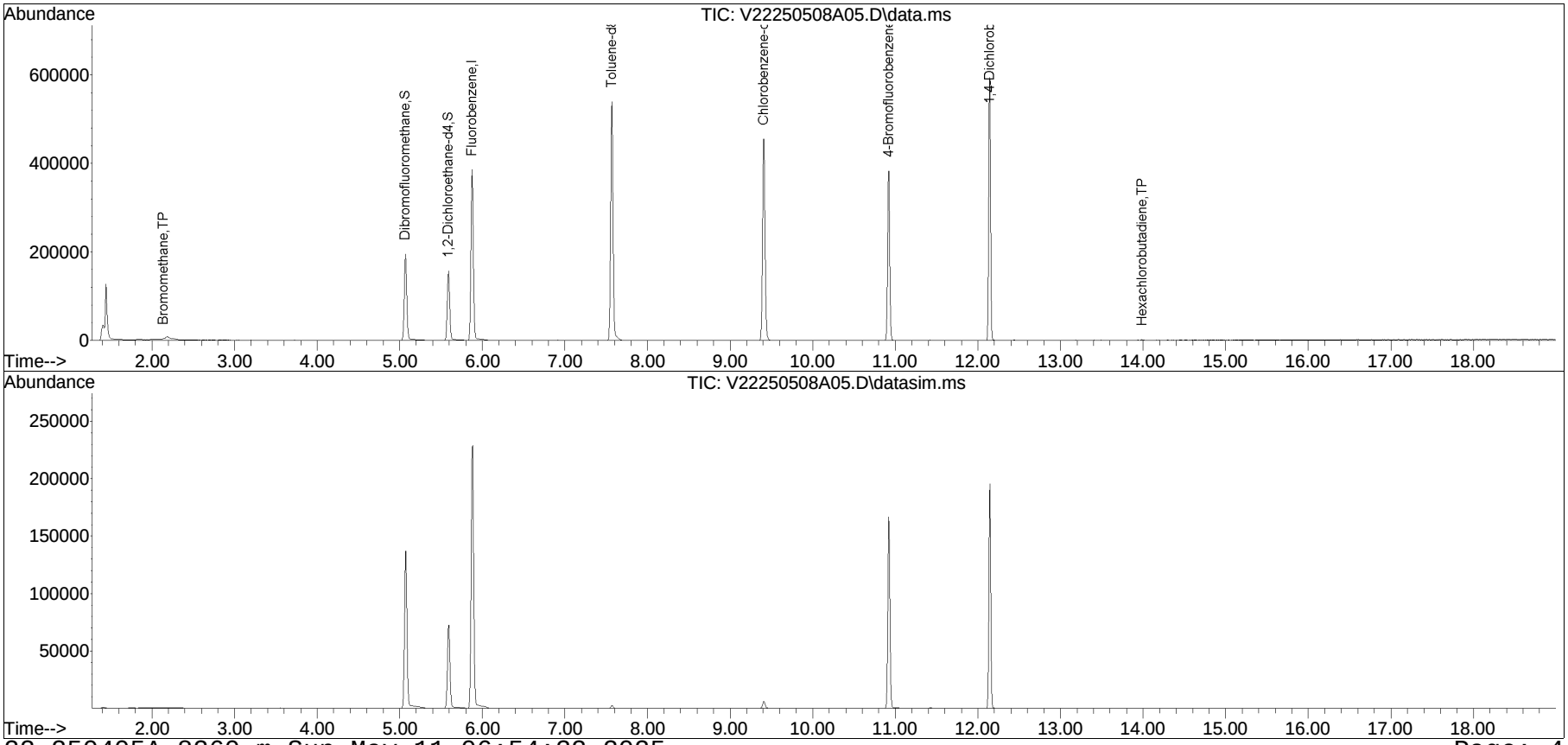
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

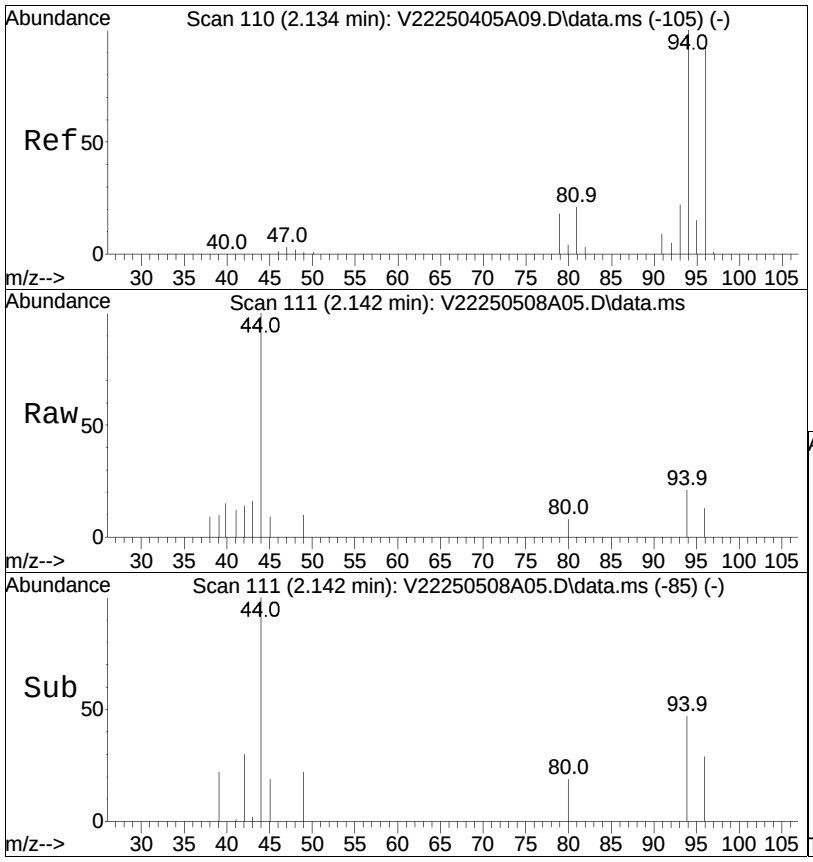
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A05.D
Acq On : 08 May 2025 09:21 am
Operator : VOA122:mjv
Sample : WG2065078-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 09:52:19 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODOD•

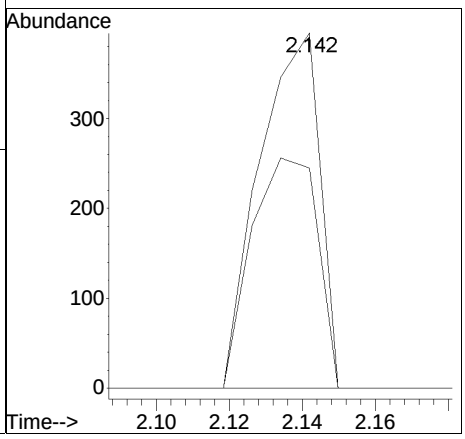




#5
Bromomethane
Concen: 0.20 ug/L
RT: 2.142 min Scan# 111
Delta R.T. 0.008 min
Lab File: V22250508A05.D
Acq: 08 May 2025 09:21 am

Tgt Ion: 94 Resp: 452

Ion	Ratio	Lower	Upper
94	100		
96	71.0	75.3	115.3#



Manual Integration Report

Data Path	: K:\VOA122\2025\250508A\	QMethod	: V122_250405A_8260.m
Data File	: V22250508A05.D	Operator	: VOA122:mjv
Date Inj'd	: 5/8/2025 9:21 am	Instrument	: VOA 122
Sample	: WG2065078-5,31,10,10	Quant Date	: 5/8/2025 9:47 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-3,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.868	96	381825	10.000	ug/L	0.00
Standard Area 1 = 381825			Recovery = 100.00%			
59) Chlorobenzene-d5	9.379	117	302275	10.000	ug/L	0.00
Standard Area 1 = 302275			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.118	152	164373	10.000	ug/L	0.00
Standard Area 1 = 164373			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.065	113	102332	10.188	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.88%			
43) 1,2-Dichloroethane-d4	5.584	65	99892	9.996	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.96%			
60) Toluene-d8	7.547	98	407422	9.803	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.03%			
83) 4-Bromofluorobenzene	10.893	95	153759	9.659	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.604	85	100472	8.618	ug/L #	95
3) Chloromethane	1.788	50	61493	8.881	ug/L	98
4) Vinyl chloride	1.858	62	93265	9.316	ug/L	87
5) Bromomethane	2.154	94	18569	7.052	ug/L	100
6) Chloroethane	2.268	64	54301	9.589	ug/L	93
7) Trichlorofluoromethane	2.402	101	126876	9.473	ug/L	99
10) 1,1-Dichloroethene	2.870	96	73519	8.939	ug/L #	69
11) Carbon disulfide	2.898	76	264741	9.646	ug/L	100
12) Freon-113	2.901	101	72712	8.761	ug/L #	65
15) Methylene chloride	3.406	84	91471	9.547	ug/L #	56
17) Acetone	3.456	43	11215	11.653	ug/L	99
18) trans-1,2-Dichloroethene	3.556	96	87152	9.633	ug/L	75
19) Methyl acetate	3.565	43	22649	9.541	ug/L #	77
20) Methyl tert-butyl ether	3.654	73	183893	9.872	ug/L #	79
23) 1,1-Dichloroethane	4.122	63	148430	9.463	ug/L	93
28) cis-1,2-Dichloroethene	4.636	96	101869	10.137	ug/L #	73
31) Cyclohexane	4.822	56	109231	8.260	ug/L #	38
32) Chloroform	4.895	83	158971	9.716	ug/L #	89
34) Carbon tetrachloride	5.026	117	112394	9.228	ug/L	98
37) 1,1,1-Trichloroethane	5.085	97	135040	9.674	ug/L #	80

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-3,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2-Butanone	5.193	43	13422M6	9.969	ug/L		
41) Benzene	5.447	78	359902	9.612	ug/L	#	85
44) 1,2-Dichloroethane	5.653	62	95318	9.976	ug/L		94
47) Methyl cyclohexane	6.033	83	146343	8.794	ug/L	#	57
48) Trichloroethene	6.044	95	95824	9.658	ug/L		98
51) 1,2-Dichloropropane	6.579	63	82183	9.414	ug/L	#	92
54) Bromodichloromethane	6.652	83	118973	9.847	ug/L		99
58) cis-1,3-Dichloropropene	7.338	75	128938	9.751	ug/L	#	77
61) Toluene	7.600	92	230287	9.309	ug/L		99
62) 4-Methyl-2-pentanone	8.038	58	12609	8.459	ug/L	#	87
63) Tetrachloroethene	8.049	166	96340	9.616	ug/L		98
65) trans-1,3-Dichloropropene	8.088	75	102952	8.568	ug/L	#	78
68) 1,1,2-Trichloroethane	8.266	83	56353	9.452	ug/L		99
69) Chlorodibromomethane	8.478	129	77776	9.315	ug/L		98
71) 1,2-Dibromoethane	8.757	107	62721	9.685	ug/L		97
72) 2-Hexanone	9.047	43	16799	7.732	ug/L	#	77
73) Chlorobenzene	9.401	112	261845	9.402	ug/L		98
74) Ethylbenzene	9.438	91	448965	9.268	ug/L		99
76) p/m Xylene	9.624	106	353367	19.333	ug/L		98
77) o Xylene	10.171	106	341878	19.380	ug/L		97
78) Styrene	10.238	104	554623	19.409	ug/L		98
80) Bromoform	10.269	173	38392	9.025	ug/L		97
82) Isopropylbenzene	10.561	105	440885	8.890	ug/L		99
85) n-Propylbenzene	11.049	91	524374	9.050	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.141	83	75722	9.776	ug/L		95
90) 1,3,5-Trimethylbenzene	11.278	105	361689	9.188	ug/L		98
94) tert-Butylbenzene	11.618	119	303359	9.193	ug/L		98
97) 1,2,4-Trimethylbenzene	11.702	105	354332	9.330	ug/L		99
98) sec-Butylbenzene	11.814	105	440637	9.029	ug/L		99
99) p-Isopropyltoluene	11.973	119	369490	9.264	ug/L		99
100) 1,3-Dichlorobenzene	12.037	146	197739	9.604	ug/L		99
101) 1,4-Dichlorobenzene	12.129	146	196645	9.258	ug/L		99
103) n-Butylbenzene	12.405	91	303989	9.179	ug/L		100
104) 1,2-Dichlorobenzene	12.558	146	172590	9.561	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.342	155	7928	8.855	ug/L		99
109) 1,2,4-Trichlorobenzene	13.978	180	78483	9.199	ug/L		100
110) Naphthalene	14.268	128	141985	9.029	ug/L		100

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

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-3,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

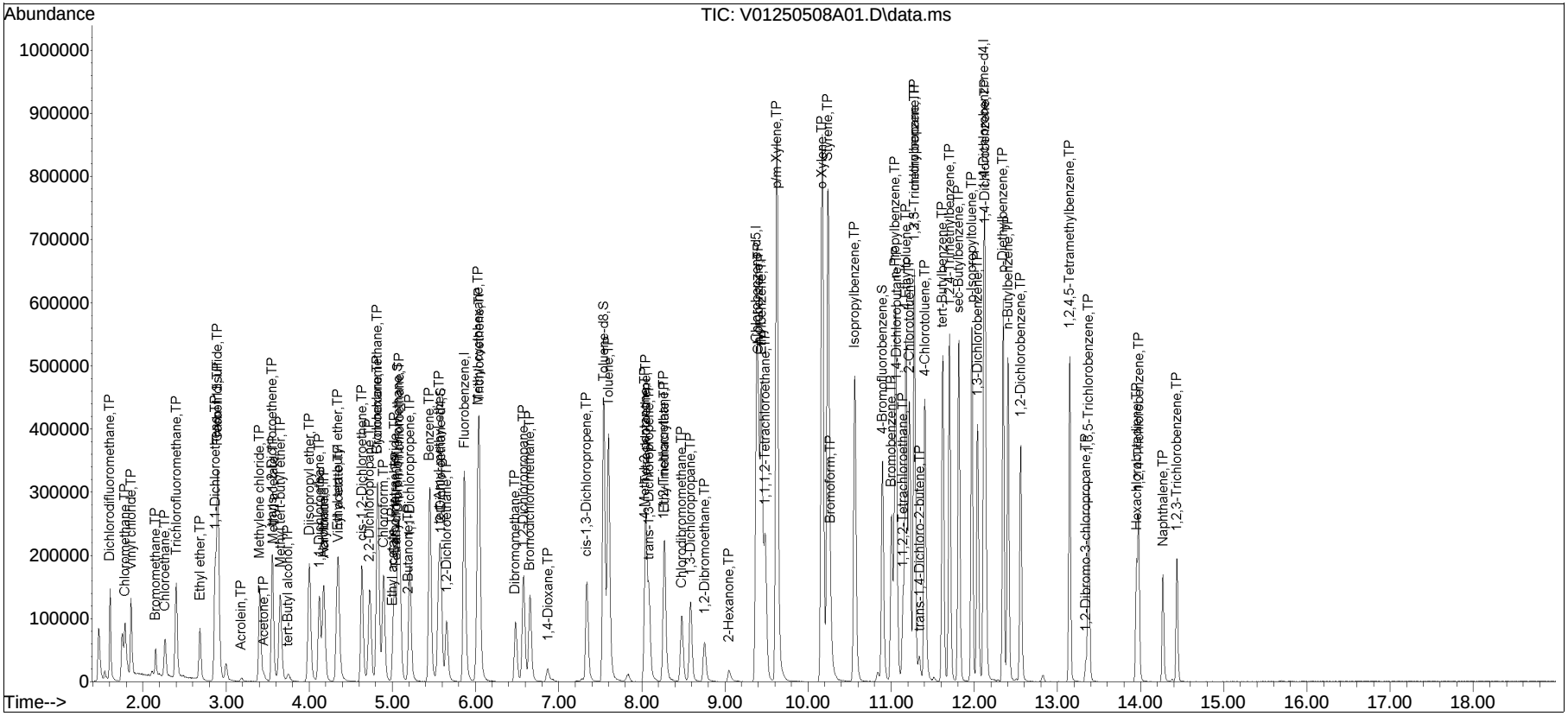
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

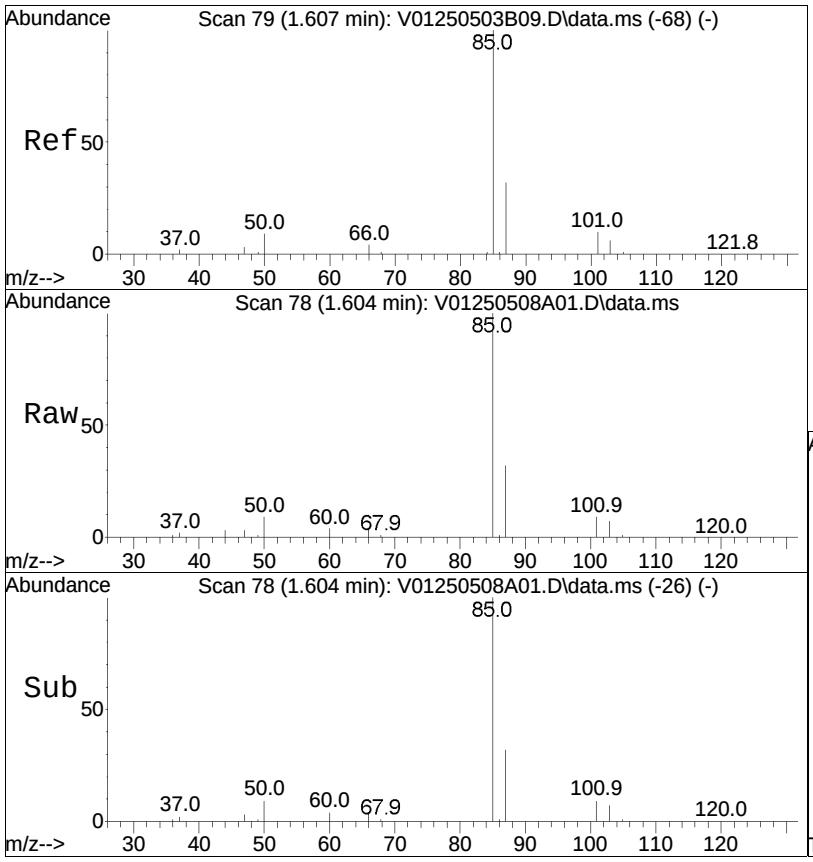
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Acq On : 8 May 2025 7:46 am
Operator : VOA101:mjv
Sample : WG2064186-3,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 13:12:20 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODOD•

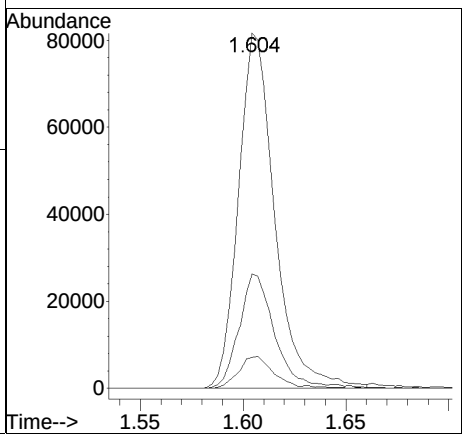


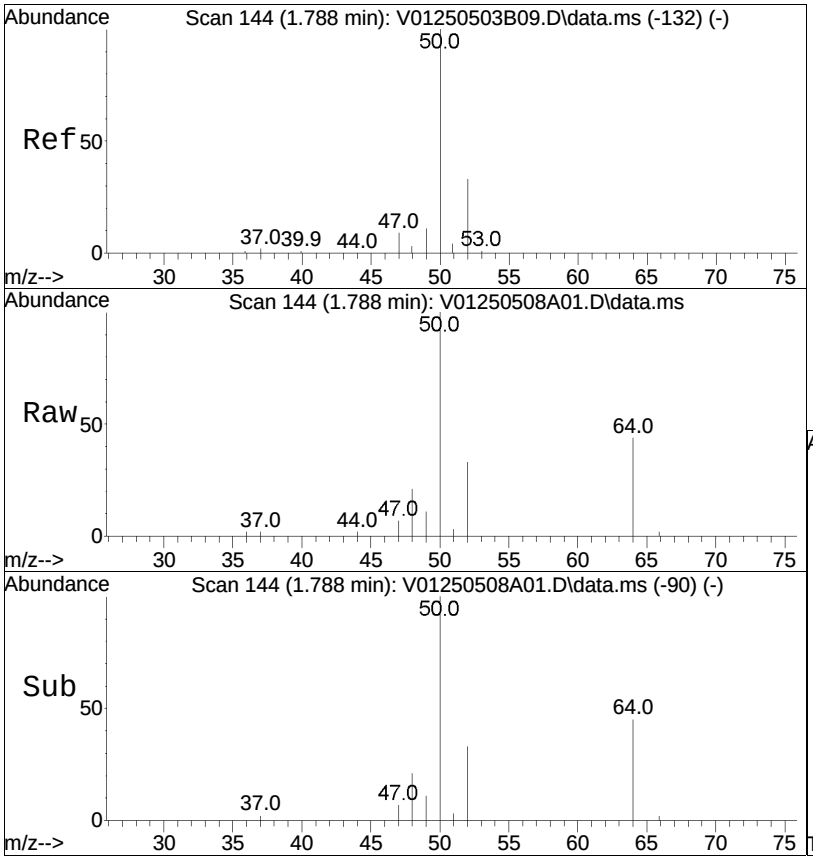


#2
Dichlorodifluoromethane
Concen: 8.62 ug/L
RT: 1.604 min Scan# 78
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 85 Resp: 100472

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.6	42.8
50	9.0	9.9	20.7#

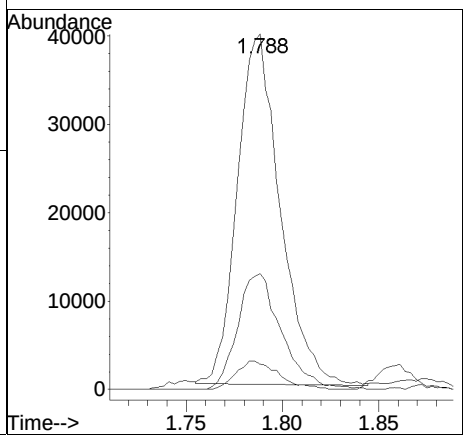


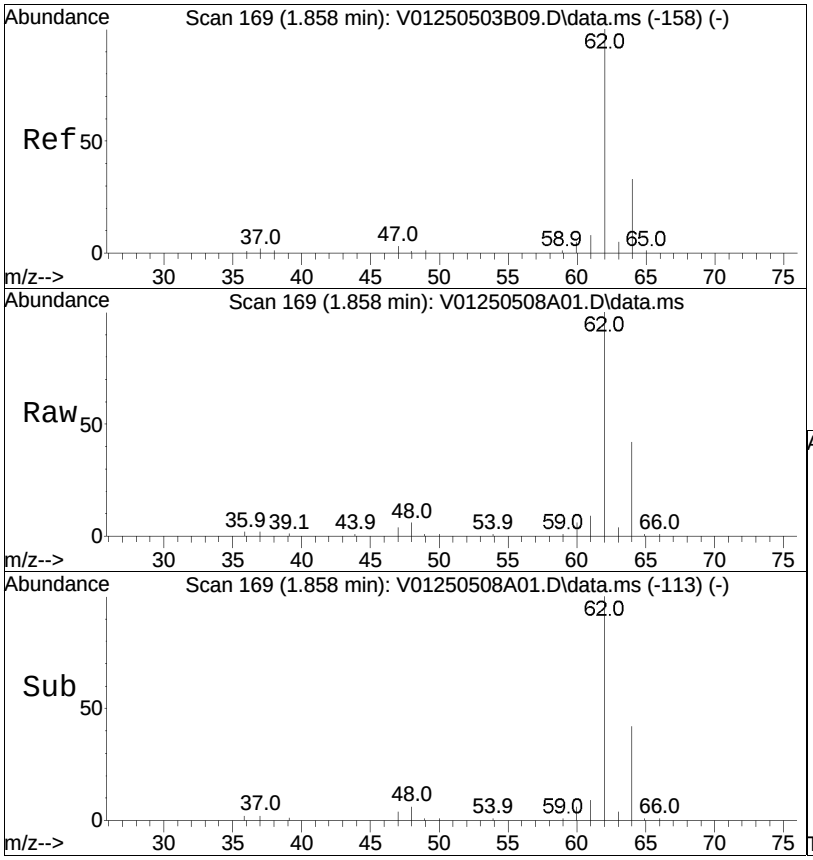


#3
Chloromethane
Concen: 8.88 ug/L
RT: 1.788 min Scan# 144
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 50 Resp: 61493

Ion	Ratio	Lower	Upper
50	100		
52	33.8	12.8	52.8
47	8.1	0.0	27.8

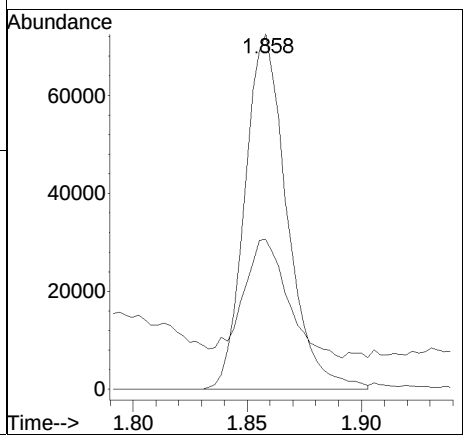


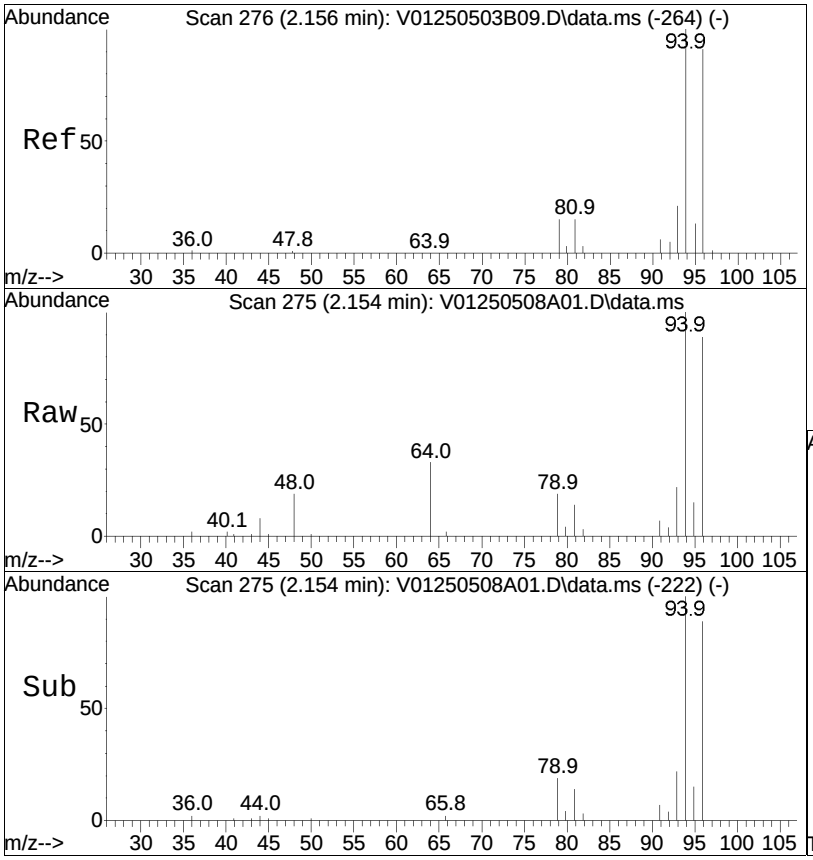


#4
Vinyl chloride
Concen: 9.32 ug/L
RT: 1.858 min Scan# 169
Delta R.T. 0.006 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 62 Resp: 93265

Ion	Ratio	Lower	Upper
62	100		
64	38.2	11.1	51.1

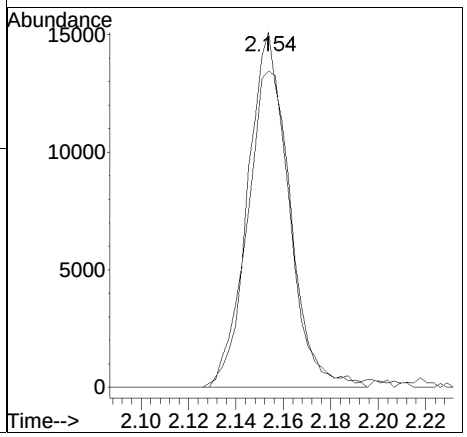


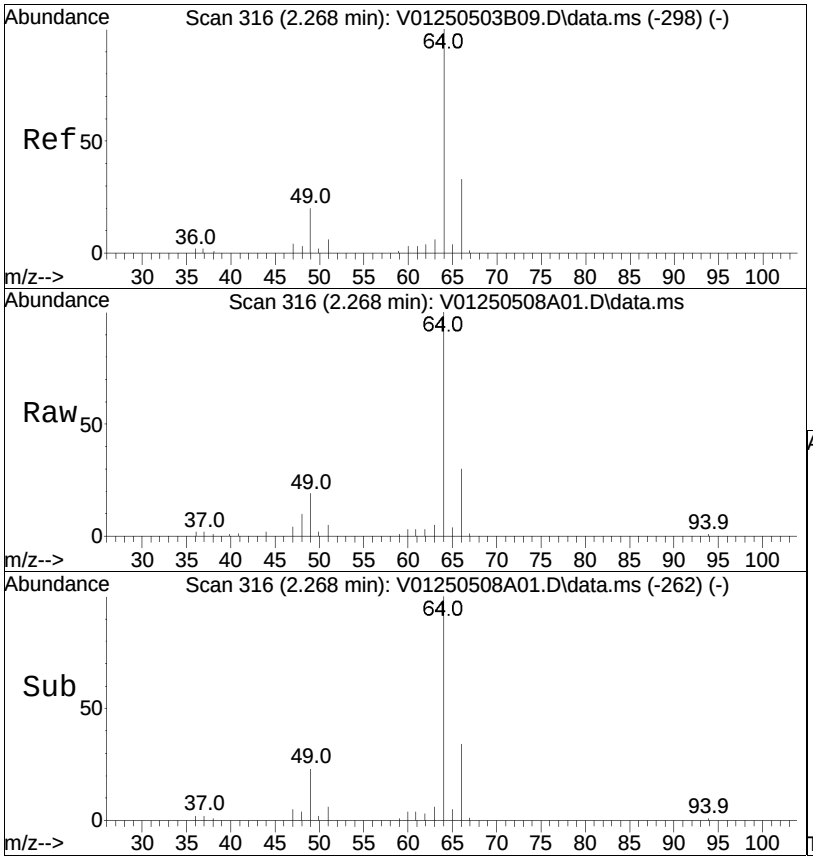


#5
Bromomethane
Concen: 7.05 ug/L
RT: 2.154 min Scan# 275
Delta R.T. -0.002 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 94 Resp: 18569

Ion	Ratio	Lower	Upper
94	100		
96	91.5	71.1	111.1

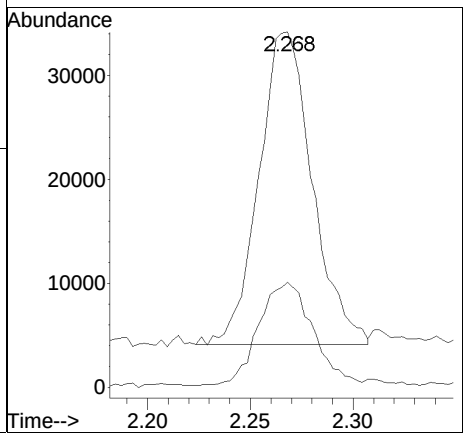


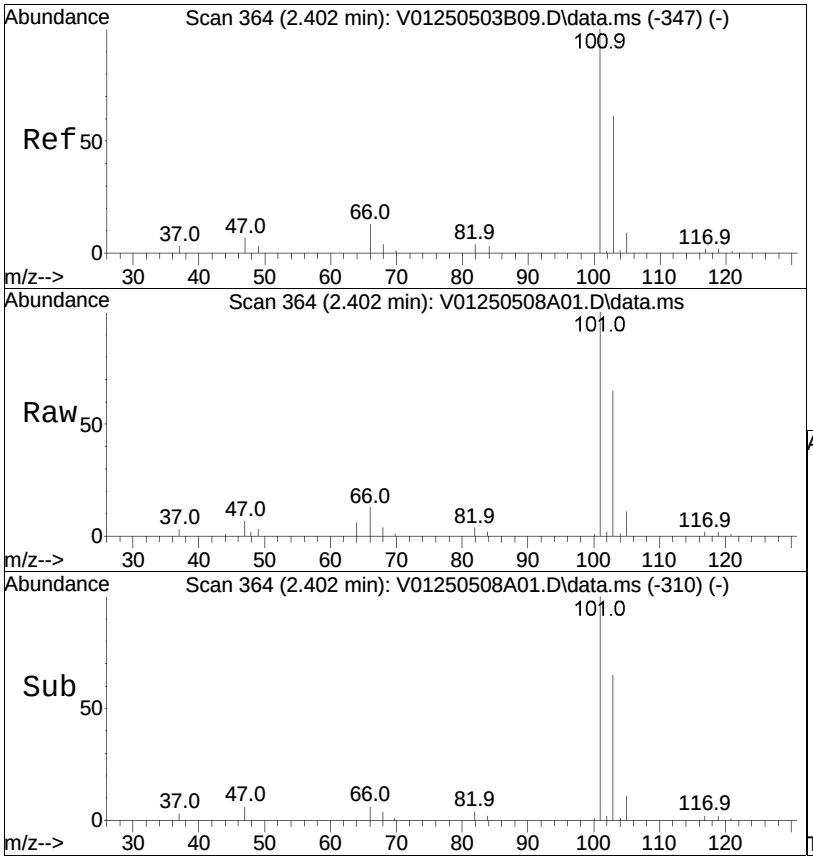


#6
Chloroethane
Concen: 9.59 ug/L
RT: 2.268 min Scan# 316
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 64 Resp: 54301

Ion	Ratio	Lower	Upper
64	100		
66	34.2	10.3	50.3

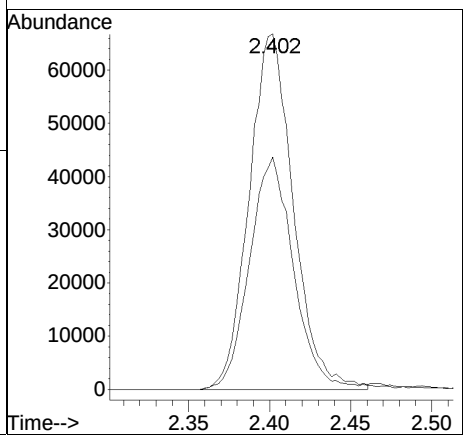


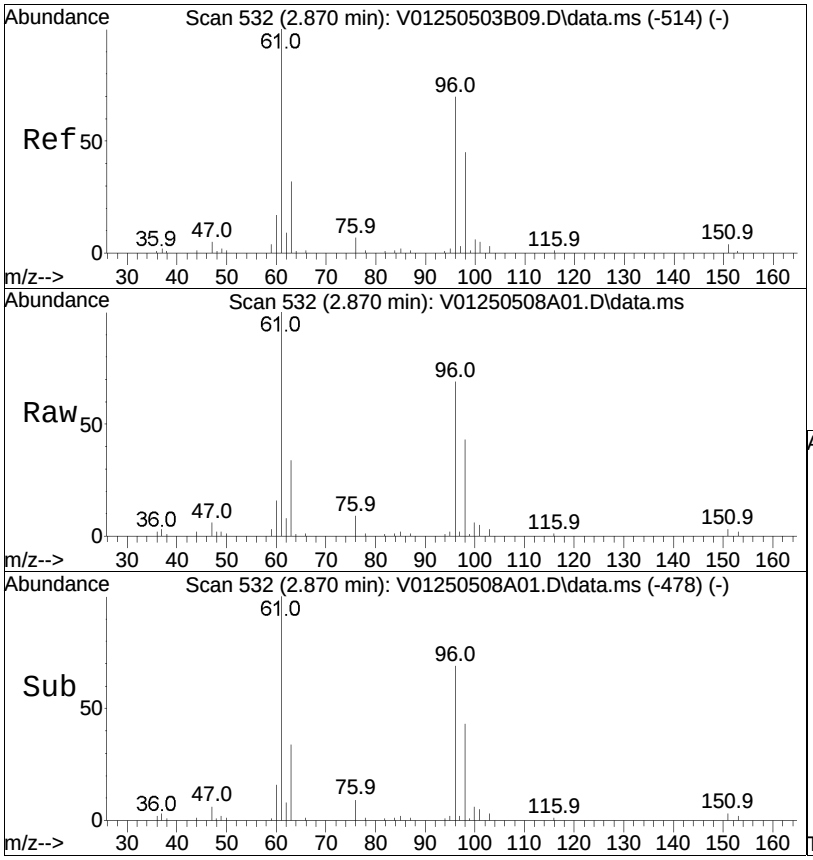


#7
Trichlorofluoromethane
Concen: 9.47 ug/L
RT: 2.402 min Scan# 364
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:101 Resp: 126876

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.4

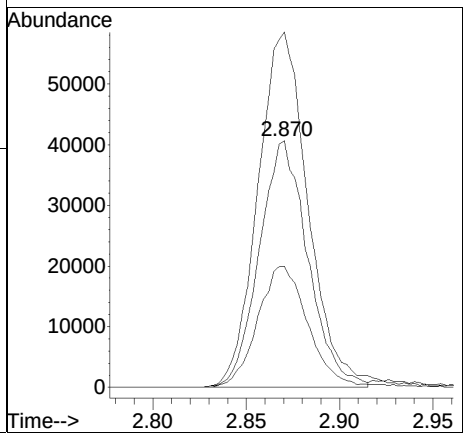


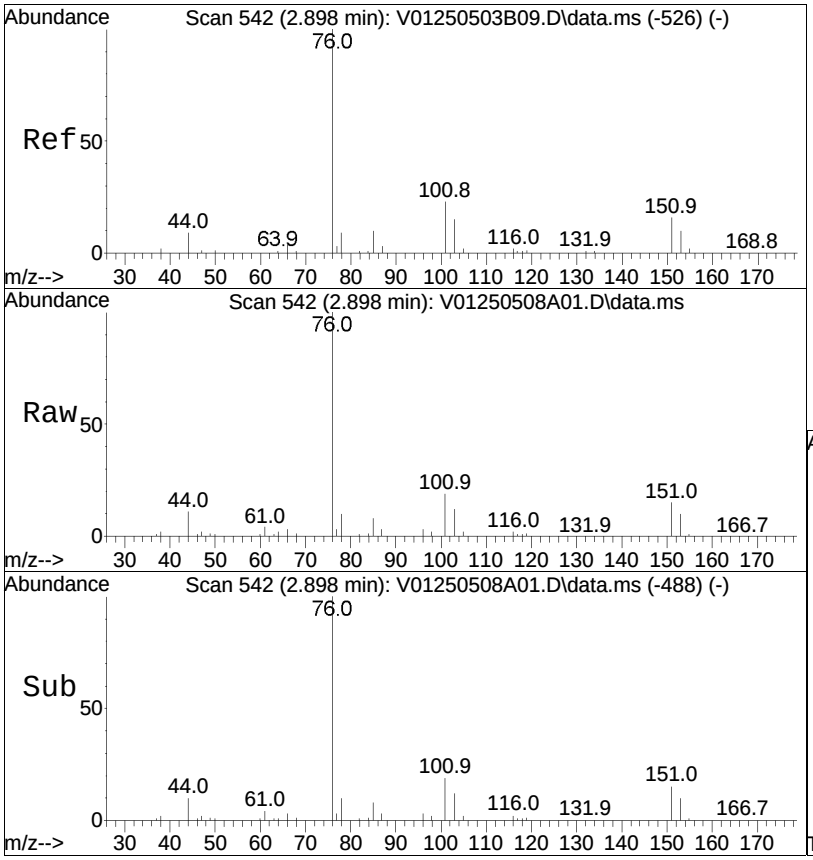


#10
1,1-Dichloroethene
Concen: 8.94 ug/L
RT: 2.870 min Scan# 532
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 96 Resp: 73519

Ion	Ratio	Lower	Upper
96	100		
61	151.0	165.0	247.4#
63	51.6	50.2	75.4

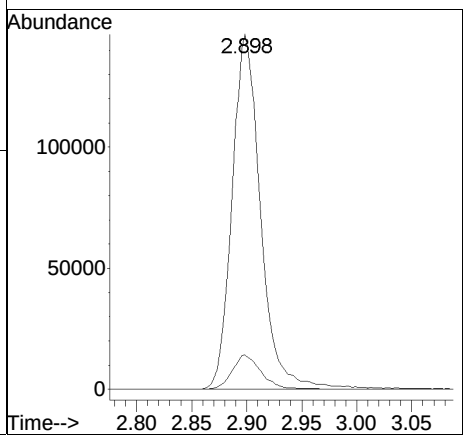


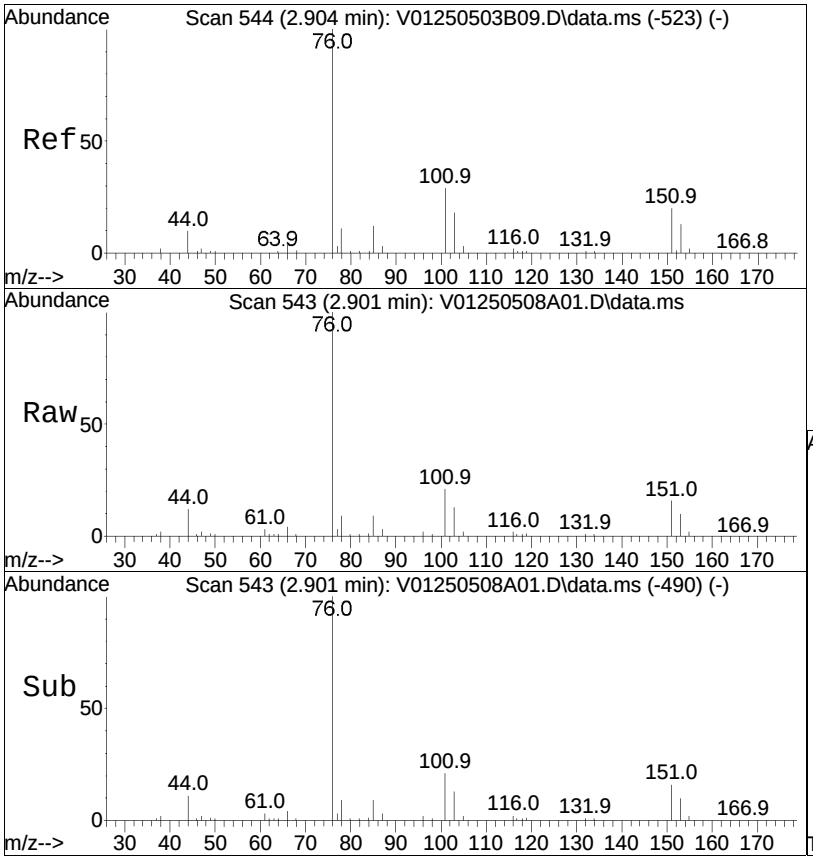


#11
Carbon disulfide
Concen: 9.65 ug/L
RT: 2.898 min Scan# 542
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 76 Resp: 264741

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.2

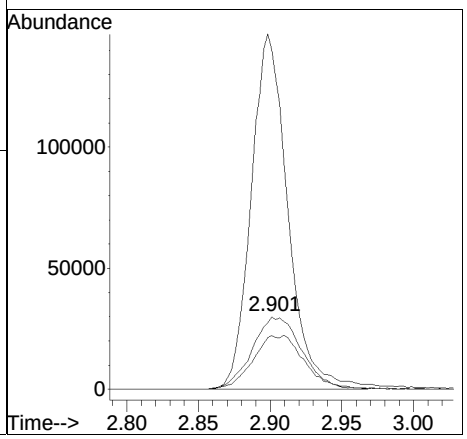


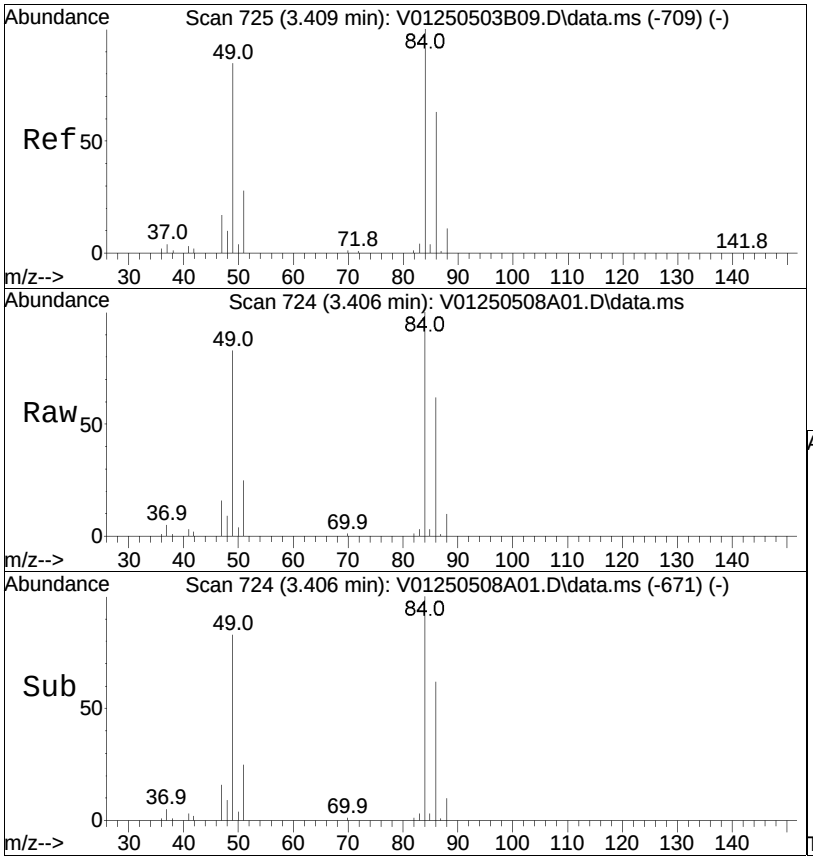


#12
Freon-113
Concen: 8.76 ug/L
RT: 2.901 min Scan# 543
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:101 Resp: 72712

Ion	Ratio	Lower	Upper
101	100		
151	76.1	58.2	87.4
76	364.1	226.4	339.6#

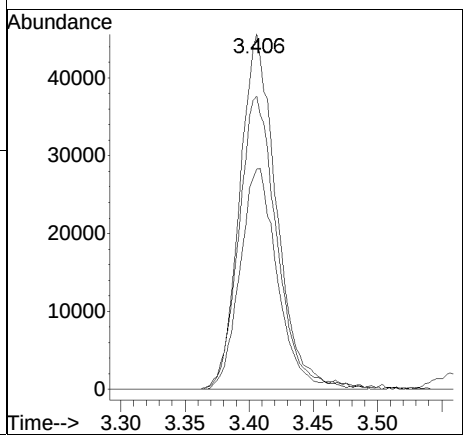


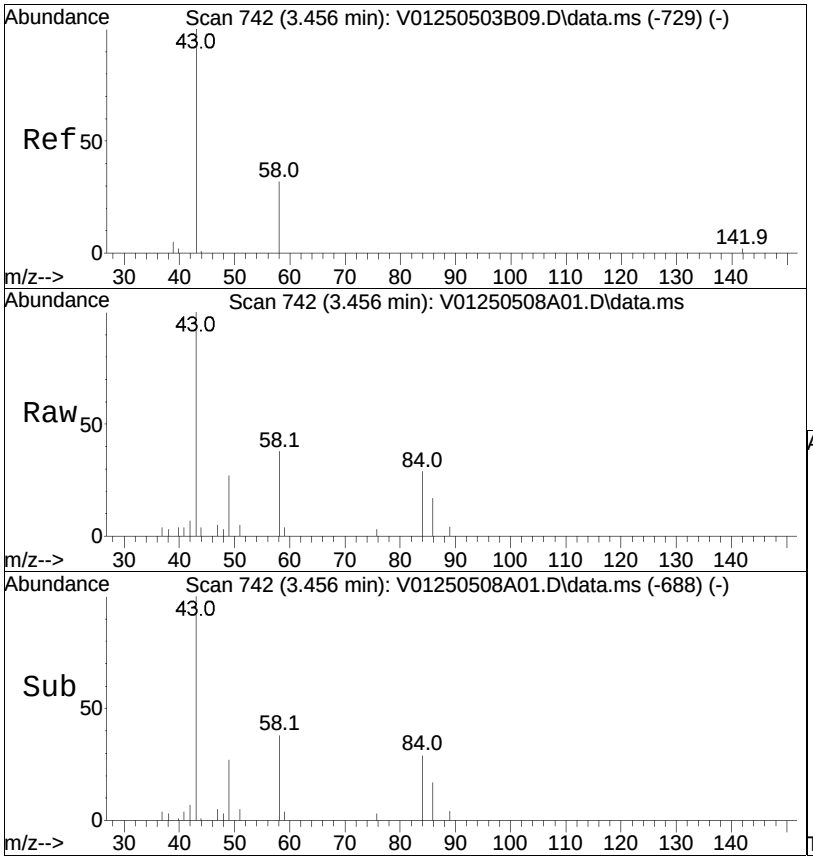


#15
Methylene chloride
Concen: 9.55 ug/L
RT: 3.406 min Scan# 724
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 84 Resp: 91471

Ion	Ratio	Lower	Upper
84	100		
86	63.1	41.4	86.0
49	83.9	107.6	223.4#

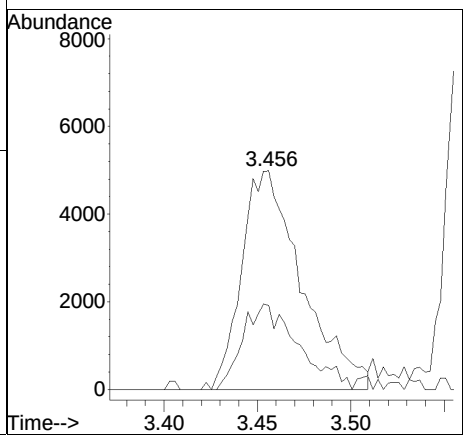


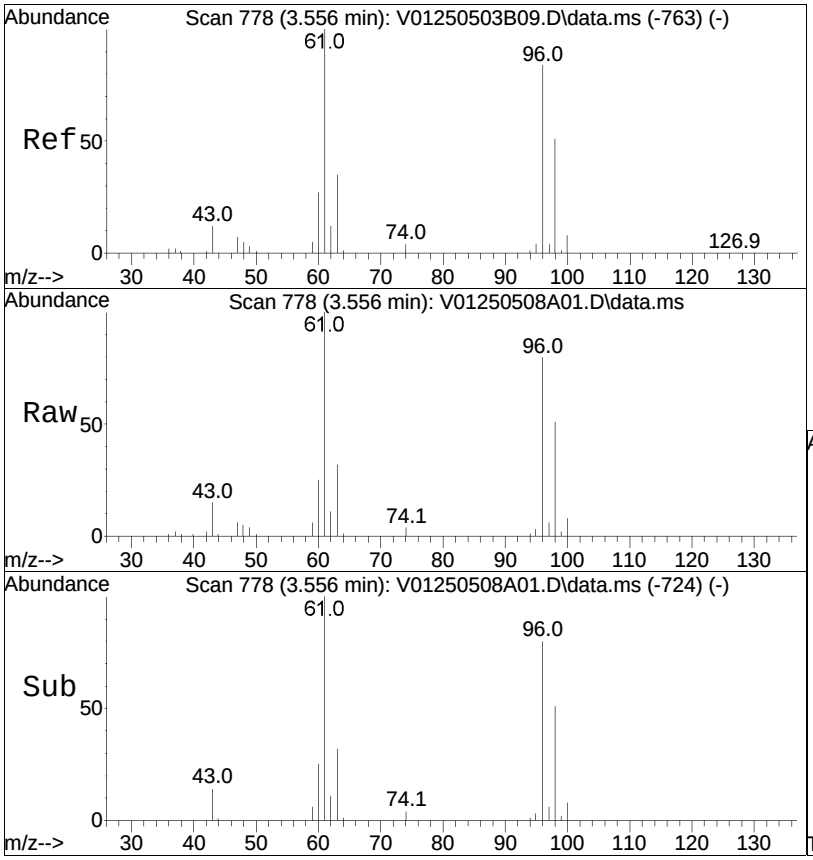


#17
Acetone
Concen: 11.65 ug/L
RT: 3.456 min Scan# 742
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 43 Resp: 11215

Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.2	39.2

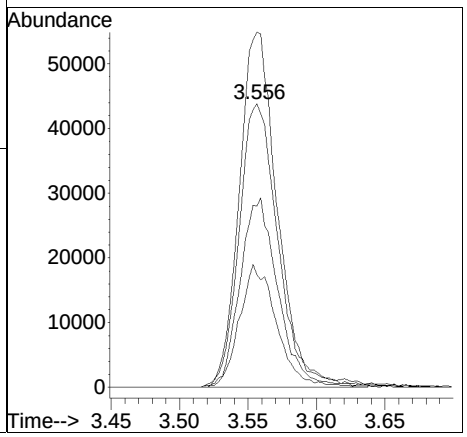


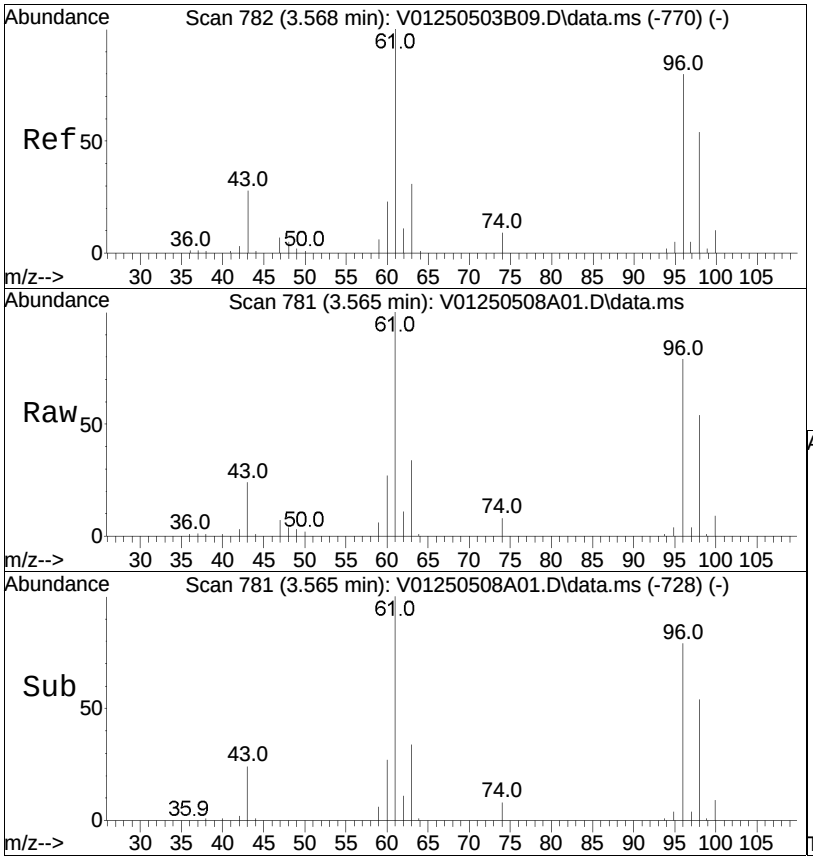


#18
trans-1,2-Dichloroethene
Concen: 9.63 ug/L
RT: 3.556 min Scan# 778
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 96 Resp: 87152

Ion	Ratio	Lower	Upper
96	100		
61	121.7	111.9	232.3
98	64.8	41.7	86.7
63	40.8	34.6	72.0

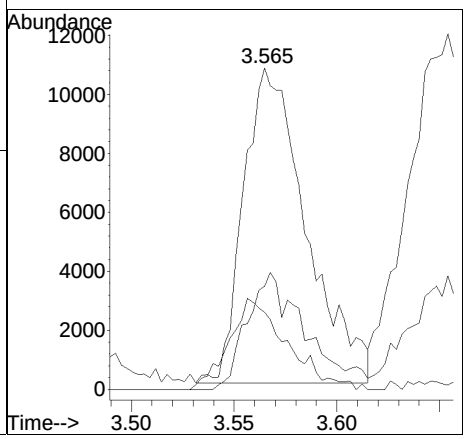


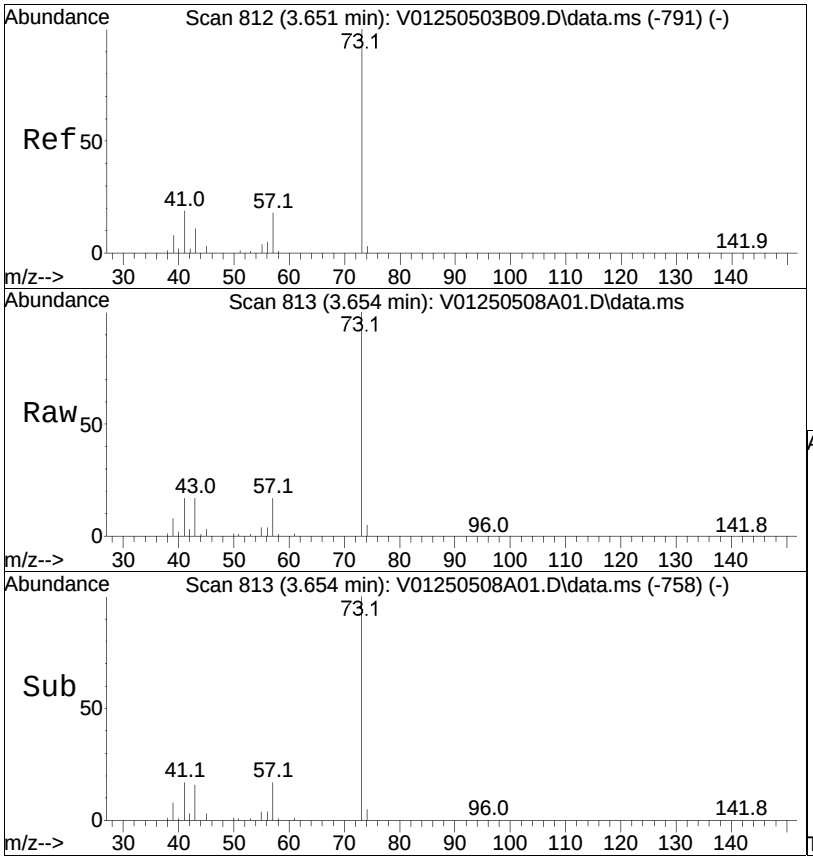


#19
Methyl acetate
Concen: 9.54 ug/L
RT: 3.565 min Scan# 781
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 43 Resp: 22649

Ion	Ratio	Lower	Upper
43	100		
74	33.0	14.1	21.1#
59	26.5	16.6	25.0#

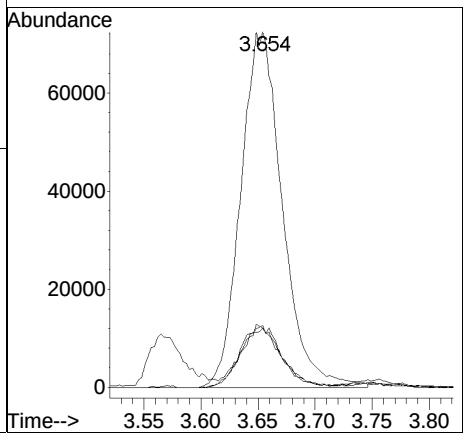


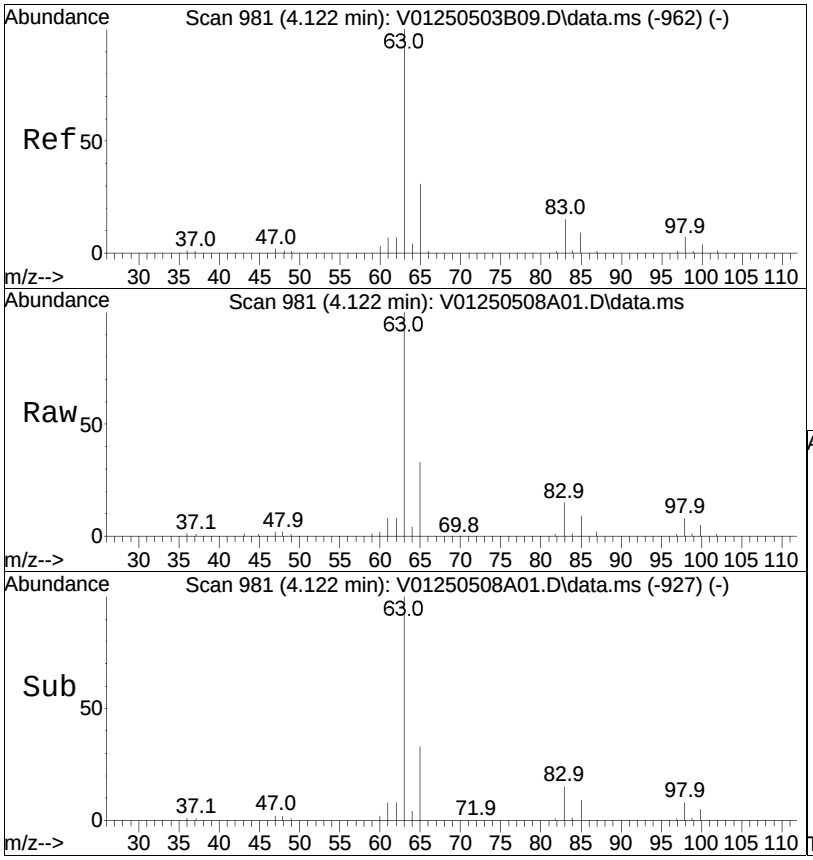


#20
Methyl tert-butyl ether
Concen: 9.87 ug/L
RT: 3.654 min Scan# 813
Delta R.T. 0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 73 Resp: 183893

Ion	Ratio	Lower	Upper
73	100		
57	17.2	18.7	38.7#
43	15.5	17.4	36.2#
41	16.9	17.0	35.4#

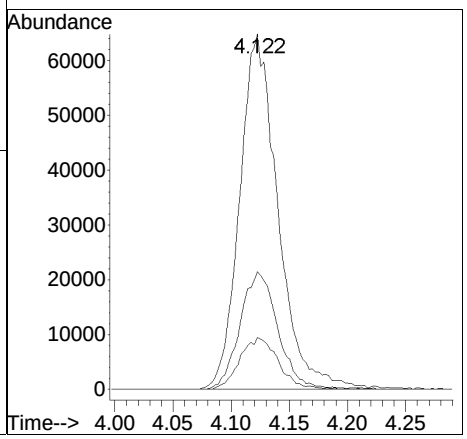


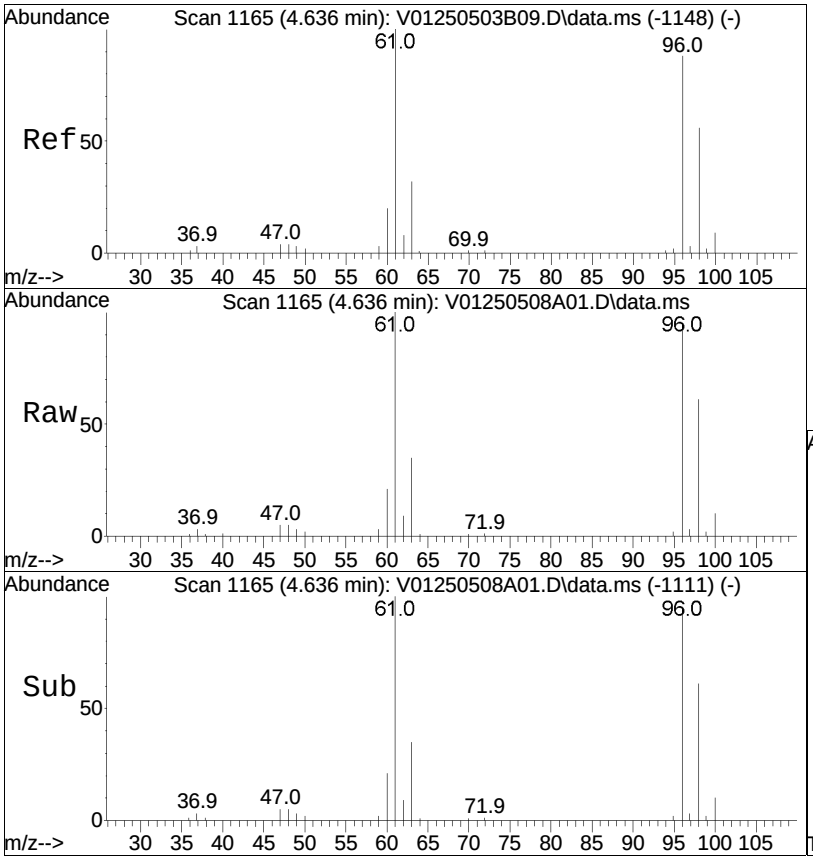


#23
1,1-Dichloroethane
Concen: 9.46 ug/L
RT: 4.122 min Scan# 981
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 63 Resp: 148430

Ion	Ratio	Lower	Upper
63	100		
65	32.5	9.1	49.1
83	14.7	0.0	31.4

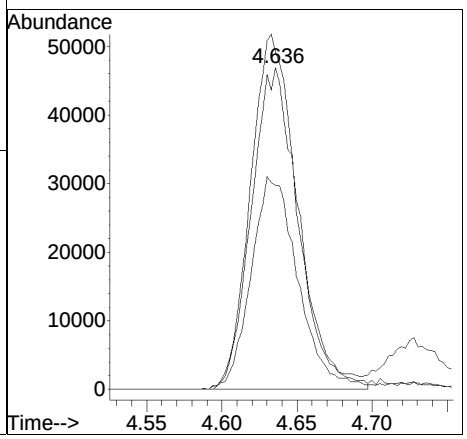


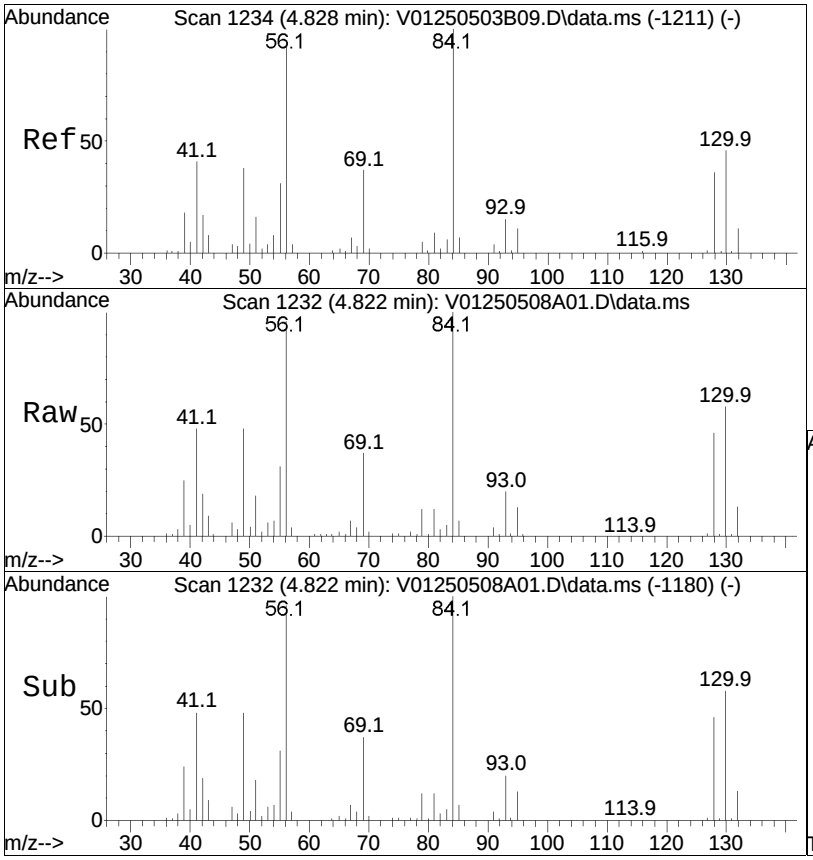


#28
cis-1,2-Dichloroethene
Concen: 10.14 ug/L
RT: 4.636 min Scan# 1165
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 96 Resp: 101869

Ion	Ratio	Lower	Upper
96	100		
61	111.3	128.3	192.5#
98	66.4	52.5	78.7

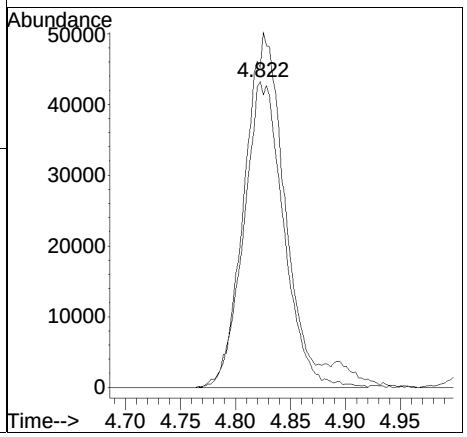


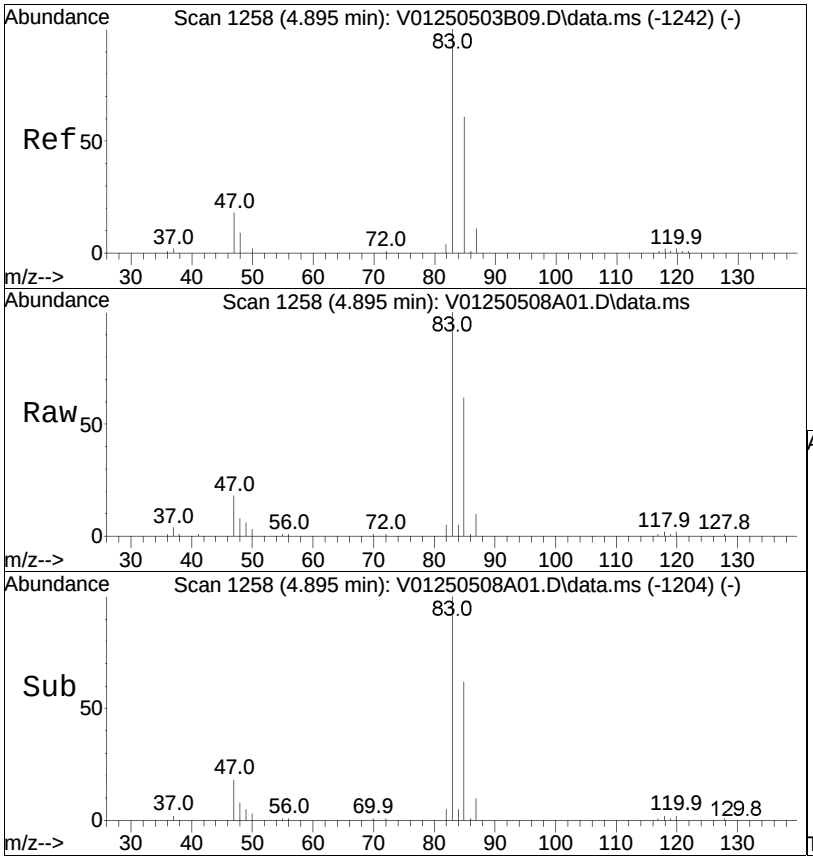


#31
Cyclohexane
Concen: 8.26 ug/L
RT: 4.822 min Scan# 1232
Delta R.T. -0.006 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 56 Resp: 109231

Ion	Ratio	Lower	Upper
56	100		
84	116.4	43.4	90.2#

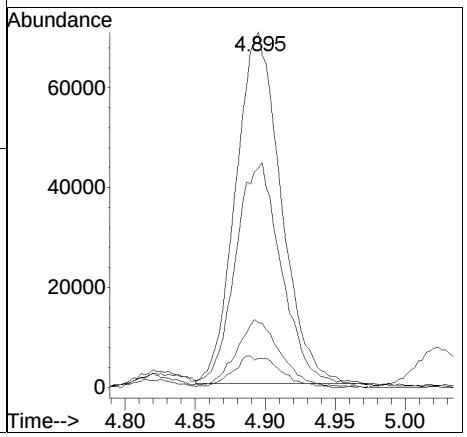


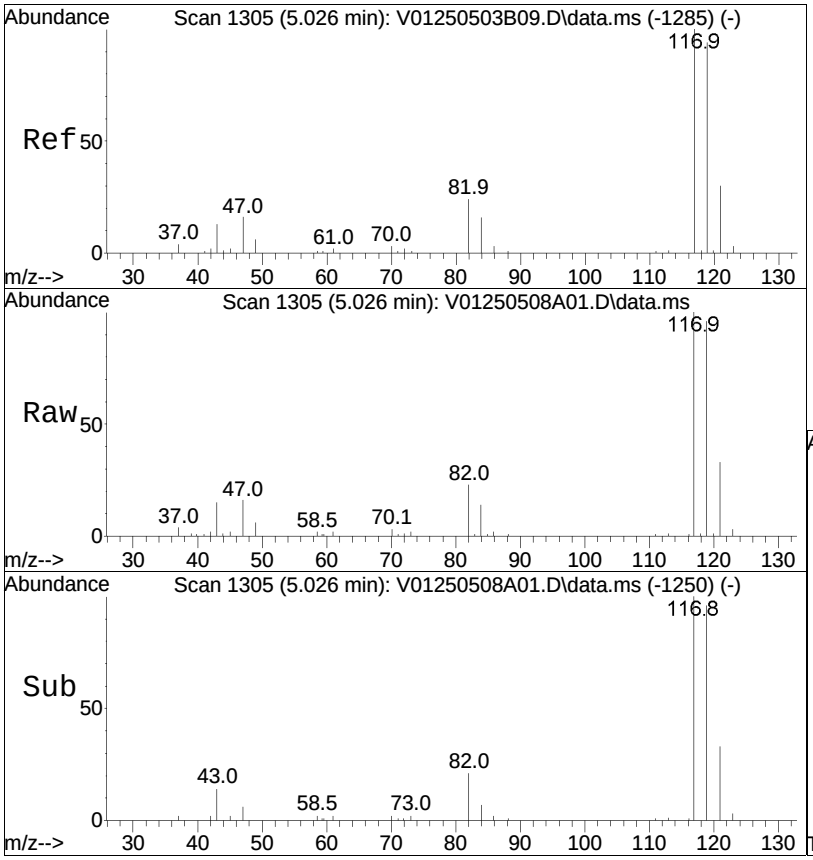


#32
Chloroform
Concen: 9.72 ug/L
RT: 4.895 min Scan# 1258
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 83 Resp: 158971

Ion	Ratio	Lower	Upper
83	100		
85	65.4	41.1	85.3
47	18.8	19.6	40.6#
48	5.2	9.9	20.5#

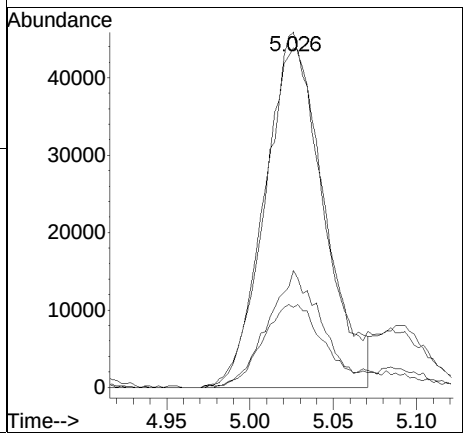


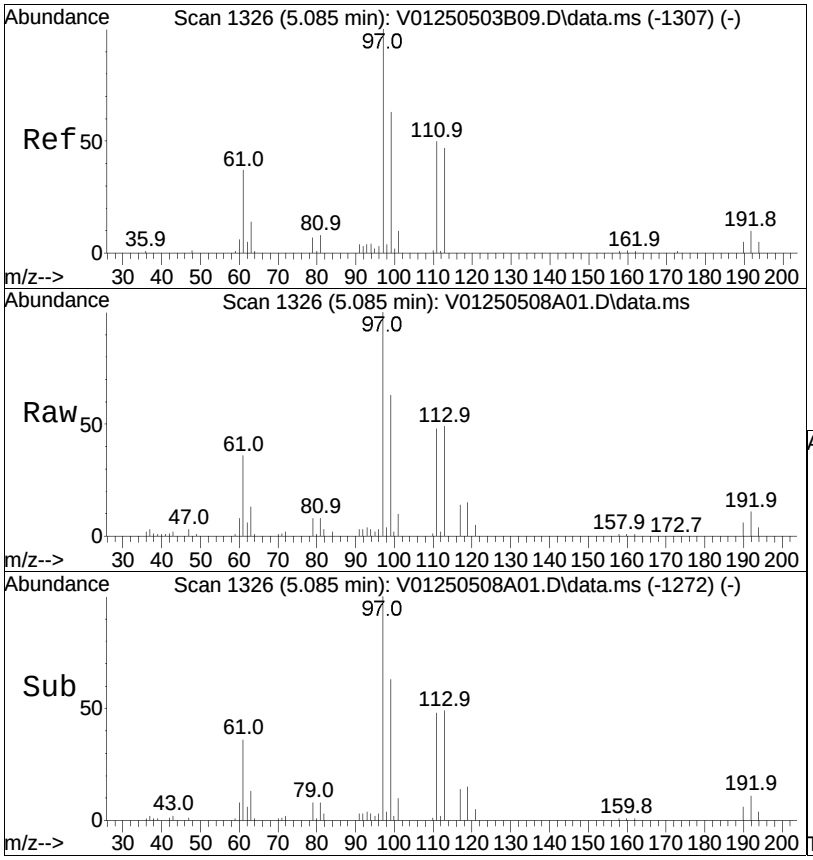


#34
Carbon tetrachloride
Concen: 9.23 ug/L
RT: 5.026 min Scan# 1305
Delta R.T. 0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:117 Resp: 112394

Ion	Ratio	Lower	Upper
117	100		
119	96.4	64.2	133.4
121	29.8	20.0	41.4
82	24.4	16.1	33.3

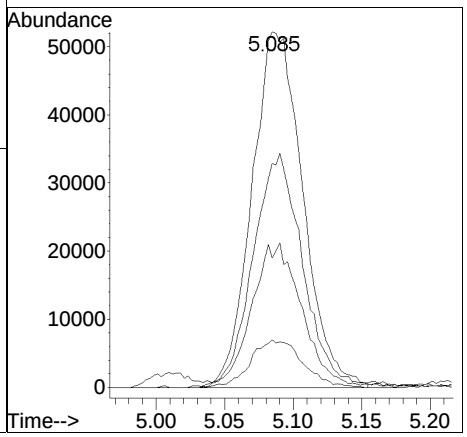


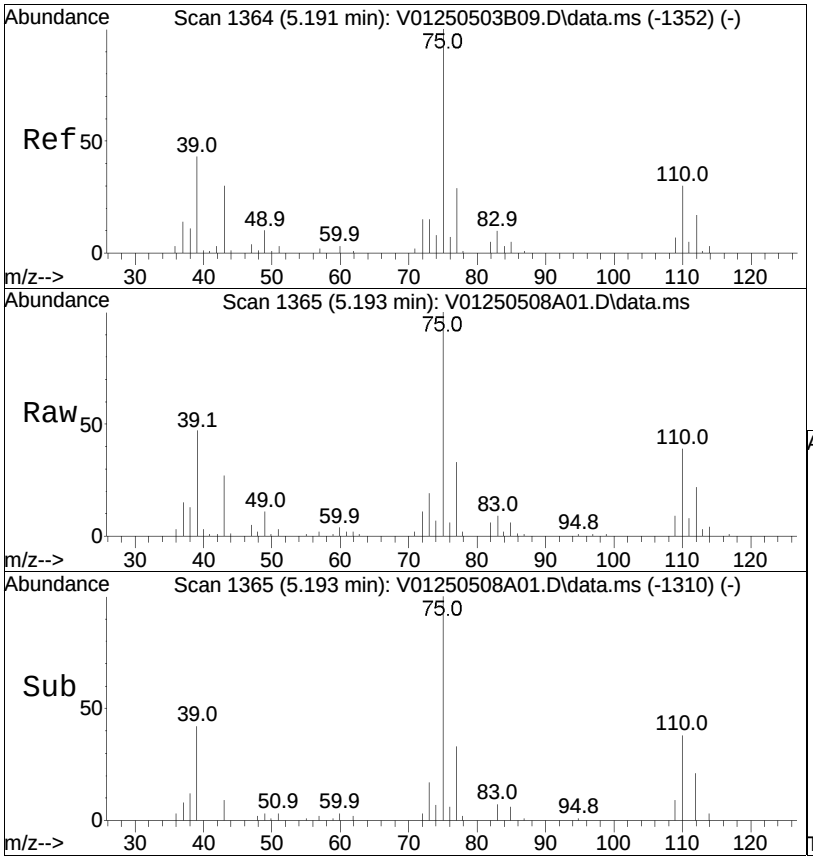


#37
1,1,1-Trichloroethane
Concen: 9.67 ug/L
RT: 5.085 min Scan# 1326
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 97 Resp: 135040

Ion	Ratio	Lower	Upper
97	100		
99	63.7	41.3	85.9
61	16.2	33.3	69.3#
63	13.6	10.4	21.6

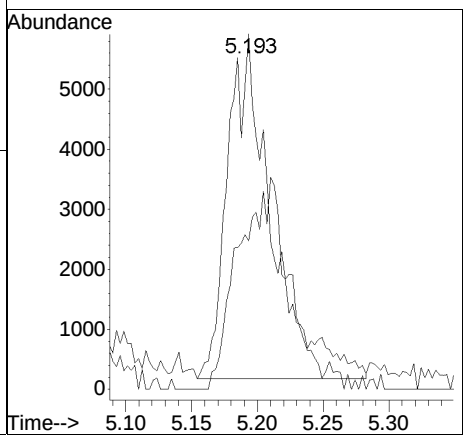


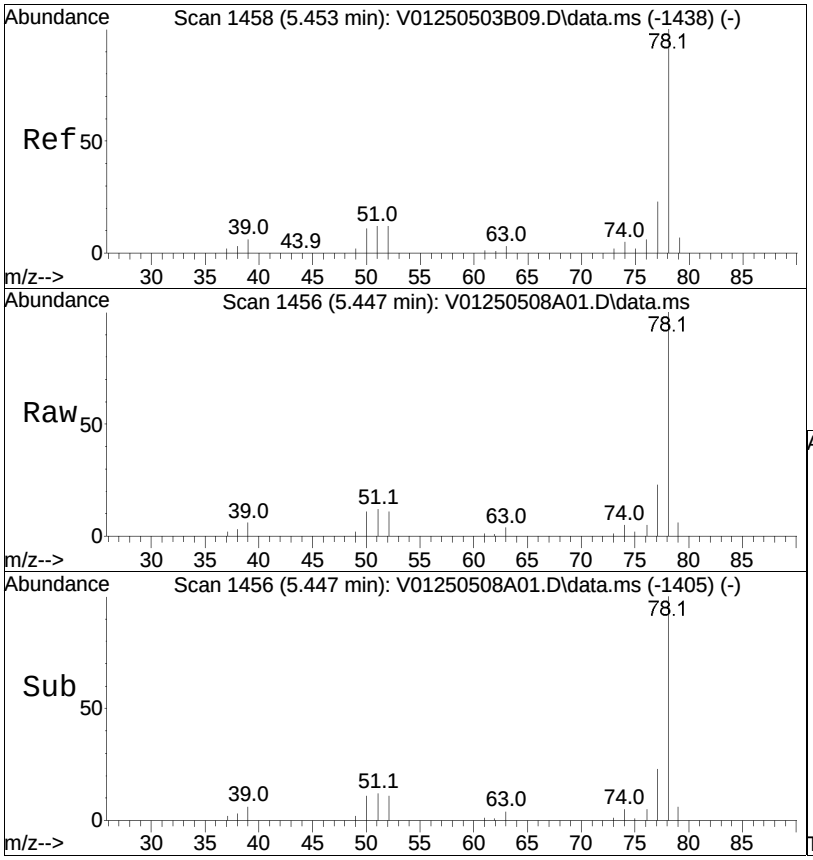


#39
2-Butanone
Concen: 9.97 ug/L M6
RT: 5.193 min Scan# 1365
Delta R.T. 0.002 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 43 Resp: 13422

Ion	Ratio	Lower	Upper
43	100		
72	68.6	20.6	31.0#

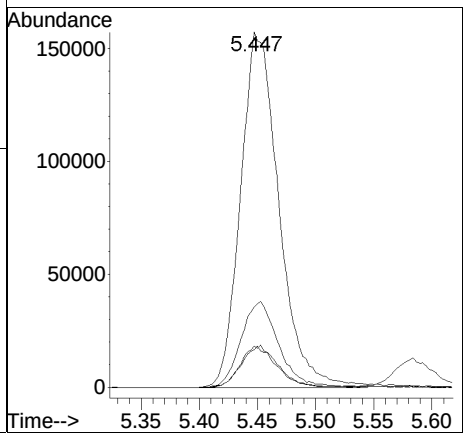


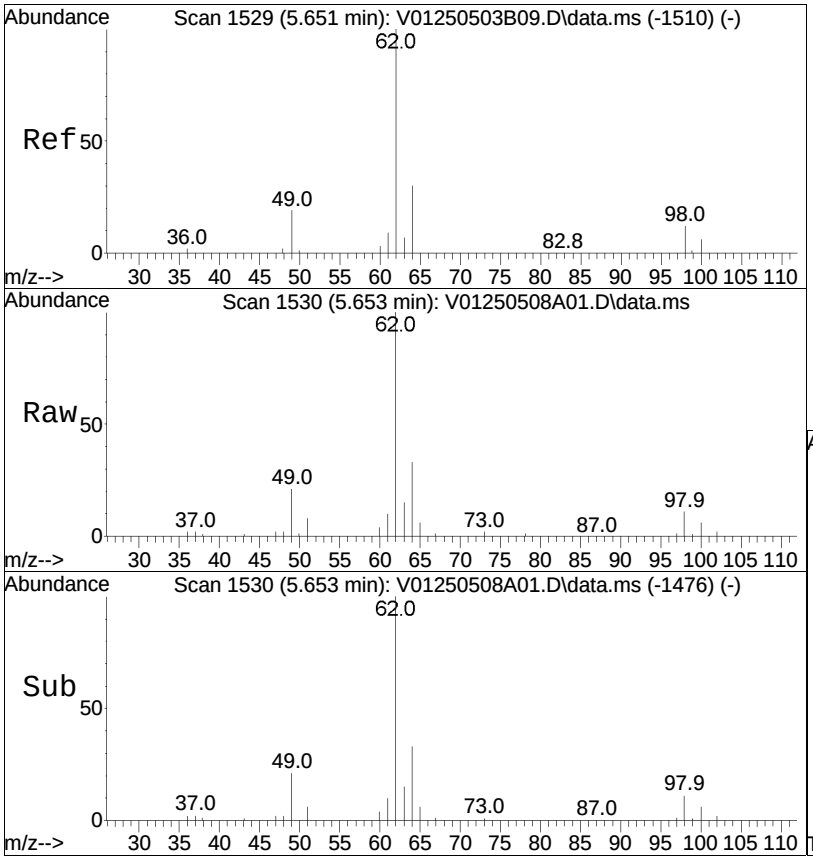


#41
Benzene
Concen: 9.61 ug/L
RT: 5.447 min Scan# 1456
Delta R.T. -0.008 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 78 Resp: 359902

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.6	32.4
51	11.6	14.6	30.2#
52	11.0	14.0	29.2#

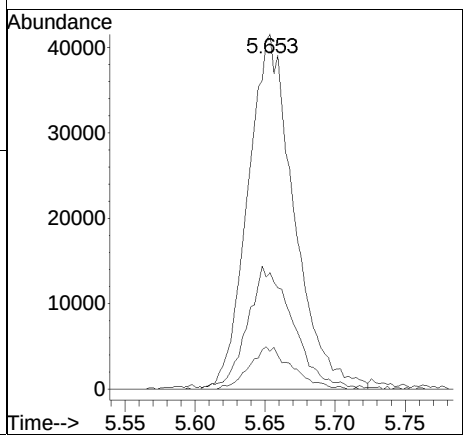


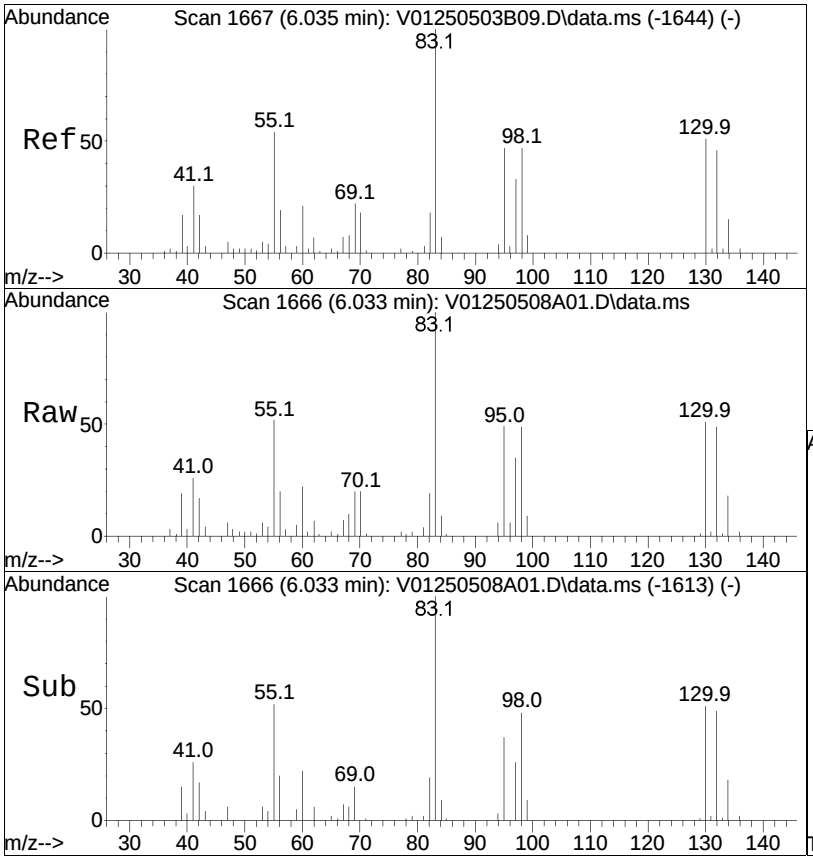


#44
1,2-Dichloroethane
Concen: 9.98 ug/L
RT: 5.653 min Scan# 1530
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 62 Resp: 95318

Ion	Ratio	Lower	Upper
62	100		
64	33.4	10.4	50.4
98	11.3	0.0	28.0

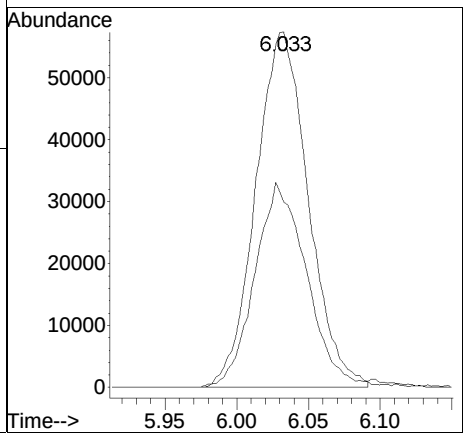


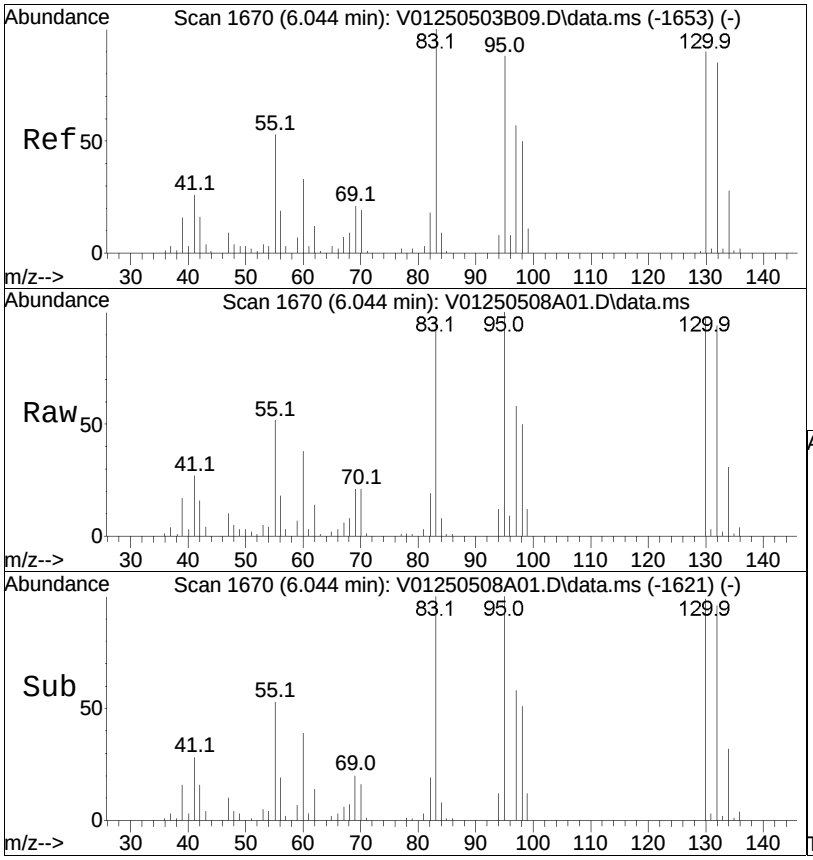


#47
Methyl cyclohexane
Concen: 8.79 ug/L
RT: 6.033 min Scan# 1666
Delta R.T. -0.002 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 83 Resp: 146343

Ion	Ratio	Lower	Upper
83	100		
55	56.7	79.3	118.9#

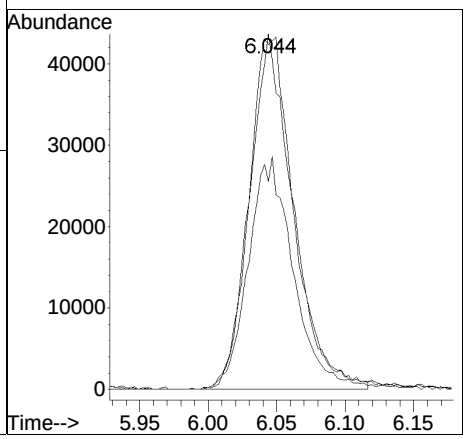


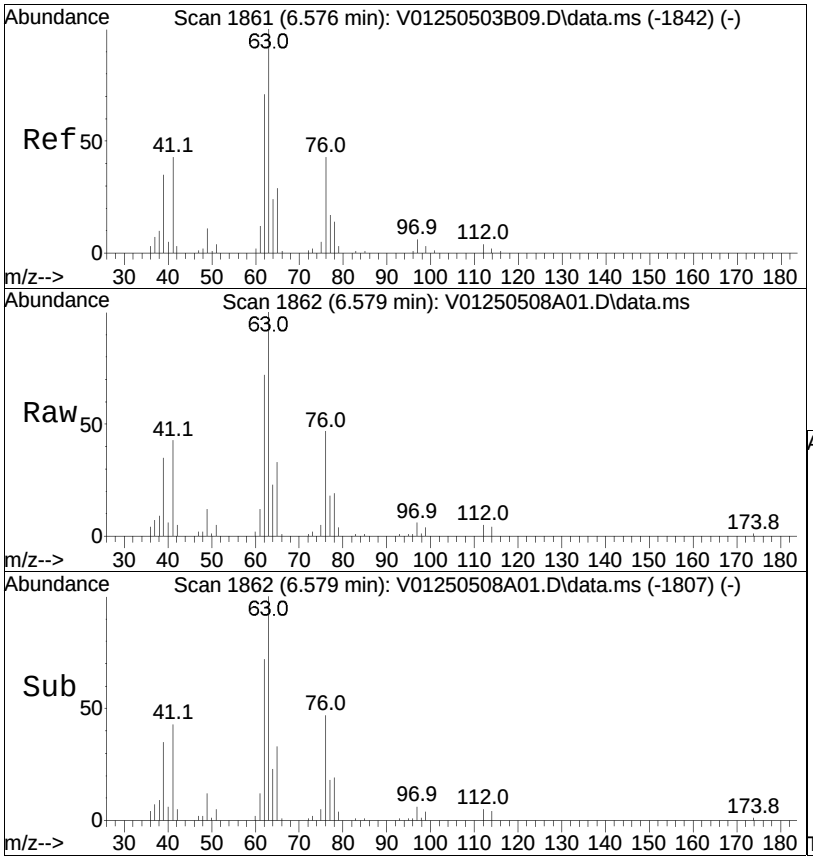


#48
Trichloroethene
Concen: 9.66 ug/L
RT: 6.044 min Scan# 1670
Delta R.T. -0.014 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 95 Resp: 95824

Ion	Ratio	Lower	Upper
95	100		
97	68.2	55.8	83.6
130	105.8	82.4	123.6

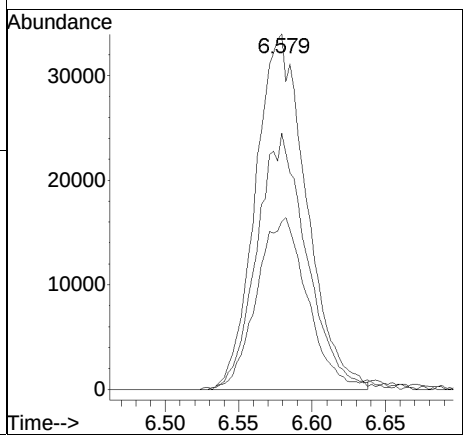


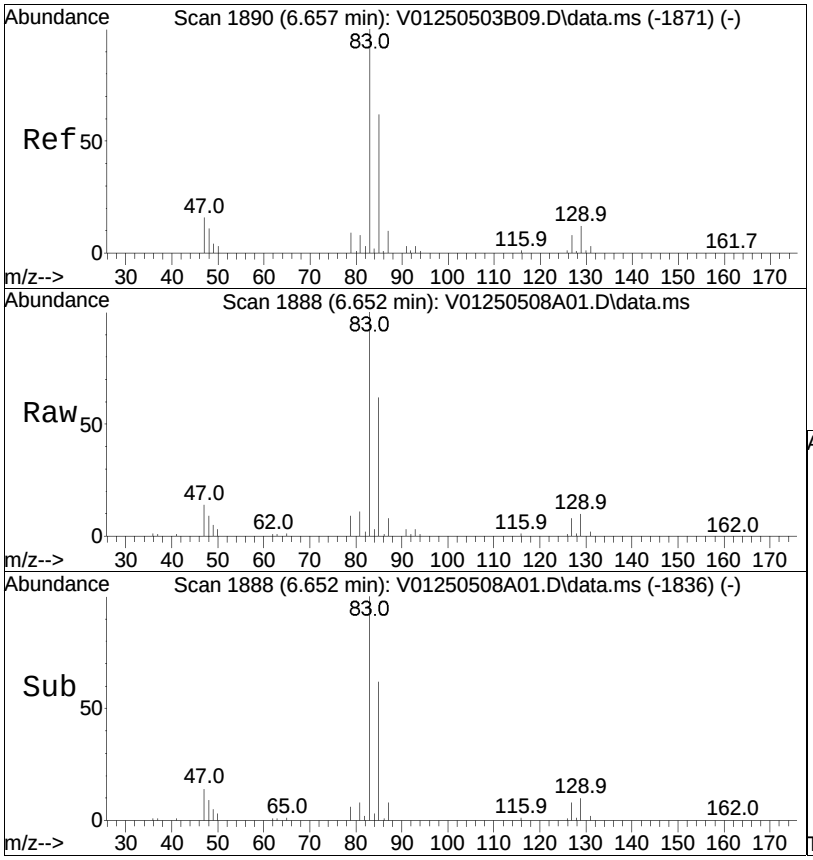


#51
1,2-Dichloropropane
Concen: 9.41 ug/L
RT: 6.579 min Scan# 1862
Delta R.T. 0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 63 Resp: 82183

Ion	Ratio	Lower	Upper
63	100		
62	70.9	58.2	87.2
76	48.6	29.9	44.9#

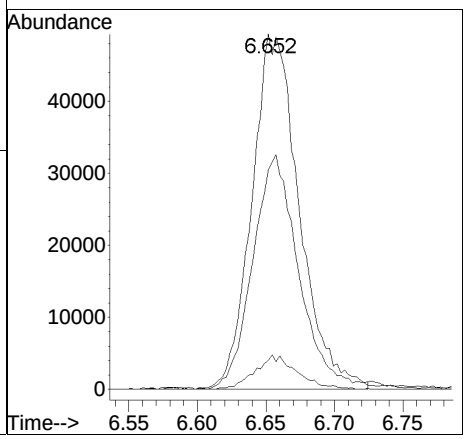


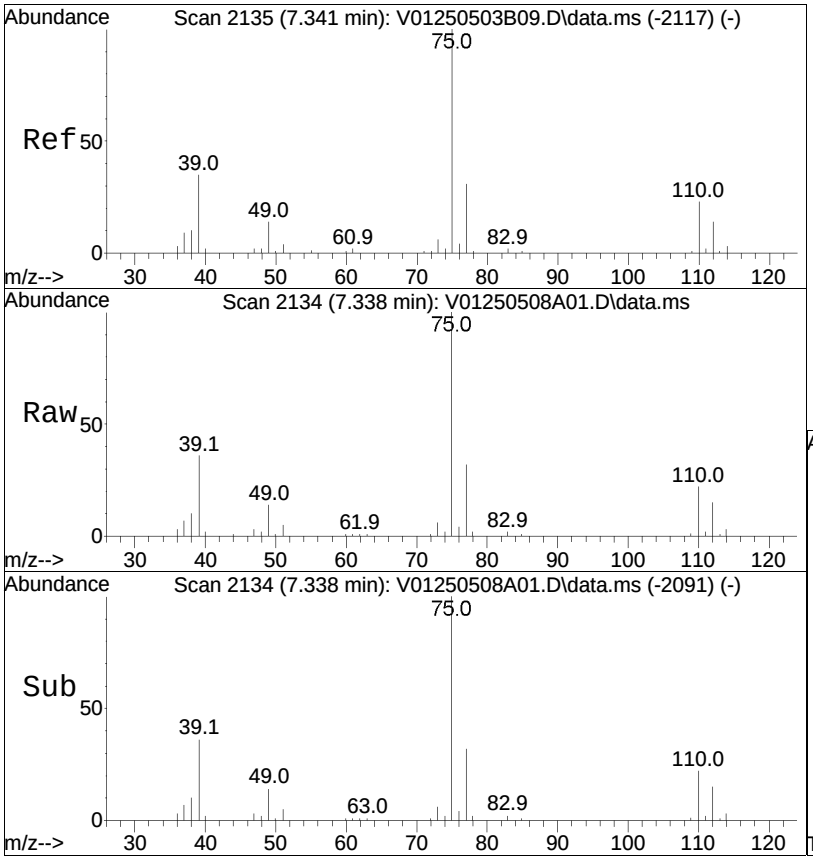


#54
Bromodichloromethane
Concen: 9.85 ug/L
RT: 6.652 min Scan# 1888
Delta R.T. -0.005 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 83 Resp: 118973

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.4
127	8.6	6.6	10.0

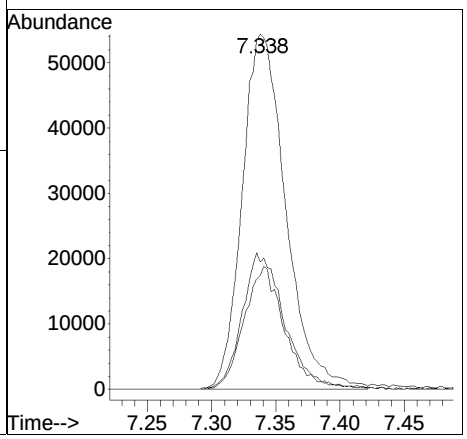


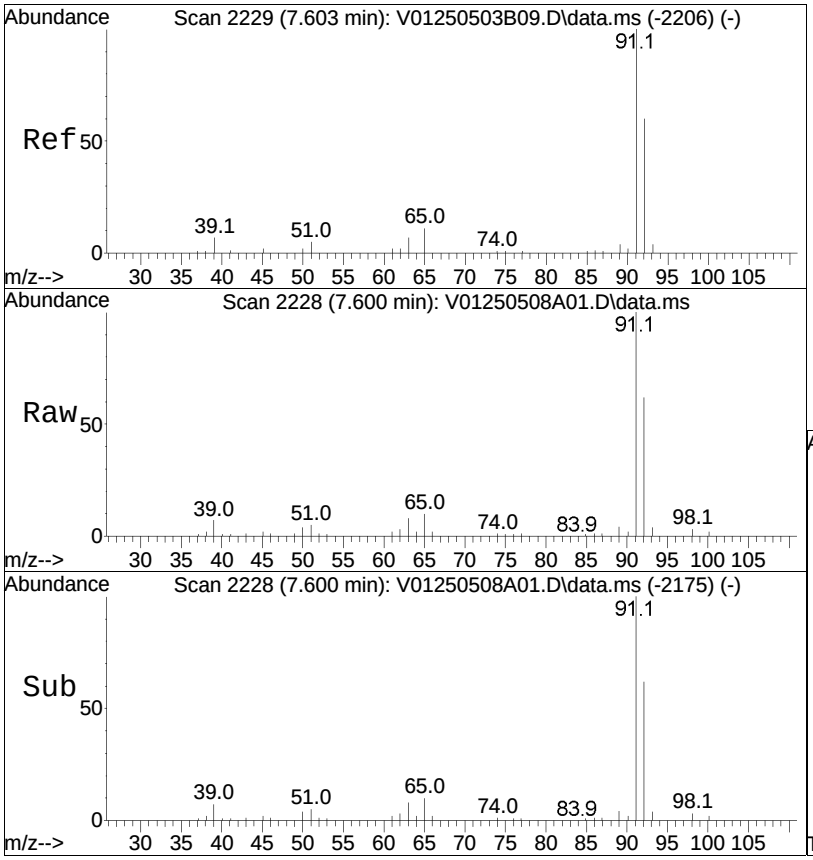


#58
cis-1,3-Dichloropropene
Concen: 9.75 ug/L
RT: 7.338 min Scan# 2134
Delta R.T. -0.030 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 75 Resp: 128938

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.6	40.0
39	37.1	51.0	76.6#

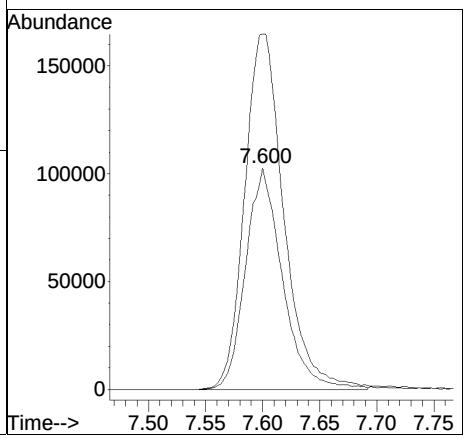


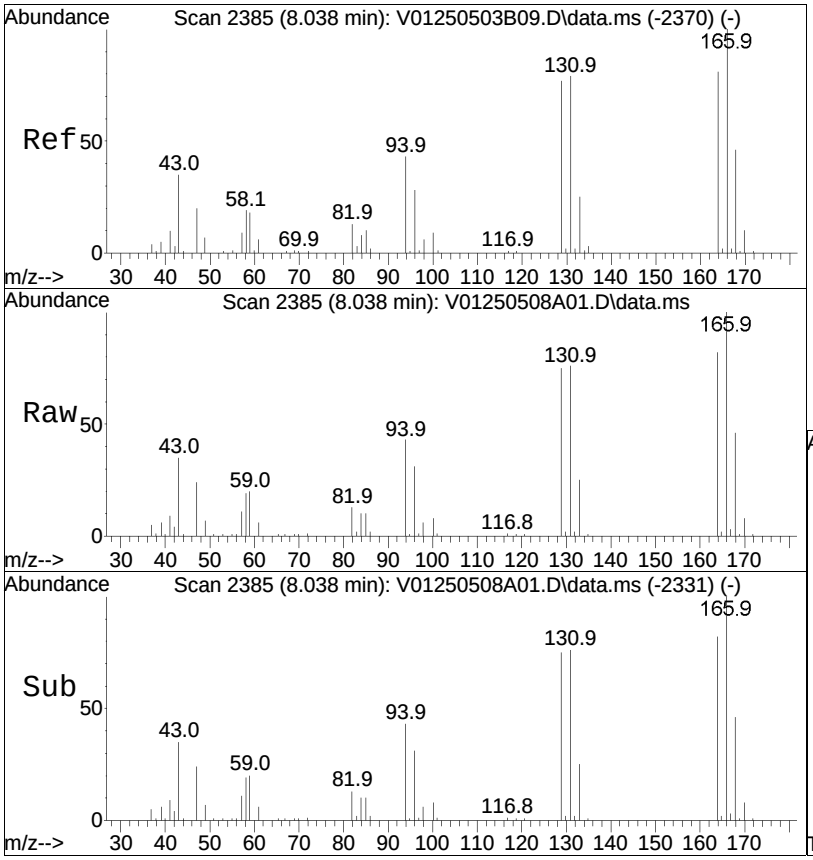


#61
Toluene
Concen: 9.31 ug/L
RT: 7.600 min Scan# 2228
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 92 Resp: 230287

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.3	204.5

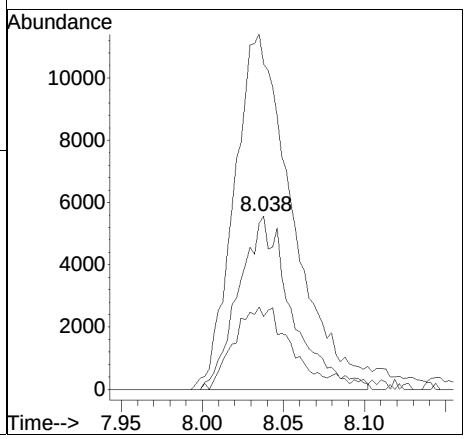


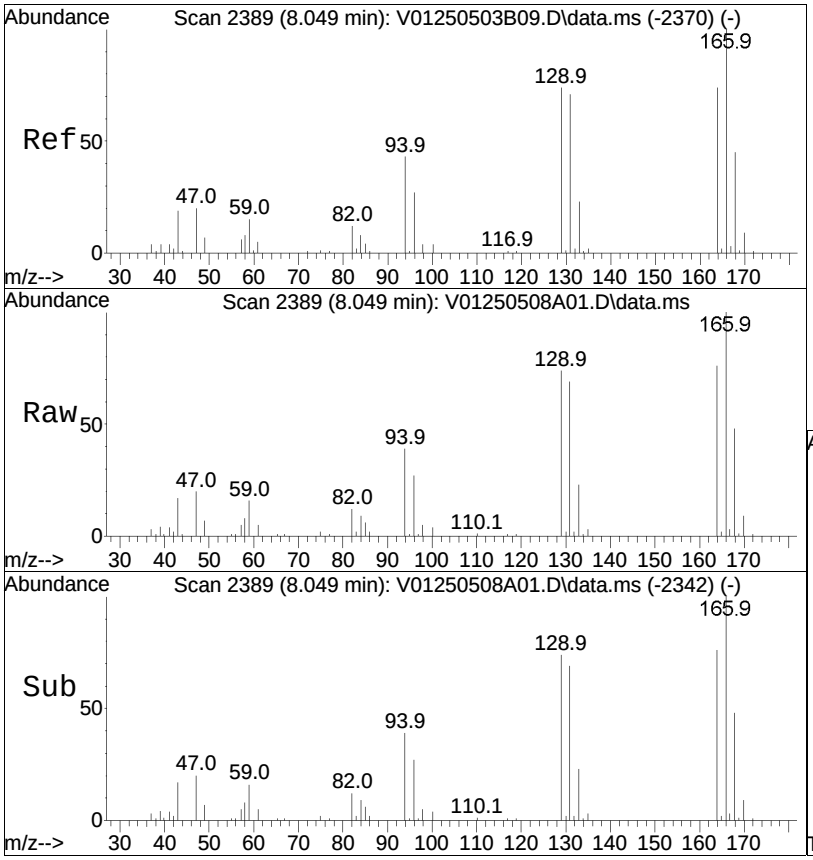


#62
4-Methyl-2-pentanone
Concen: 8.46 ug/L
RT: 8.038 min Scan# 2385
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 58 Resp: 12609

Ion	Ratio	Lower	Upper
58	100		
100	50.2	23.3	34.9#
43	227.1	195.8	293.8

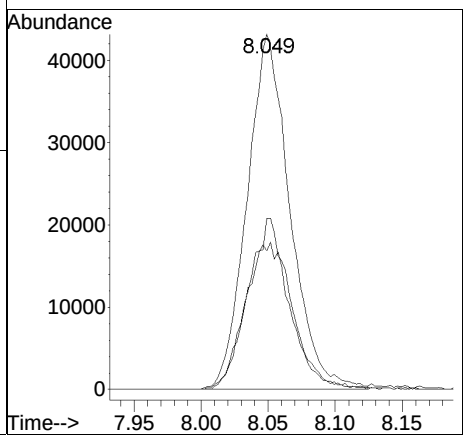


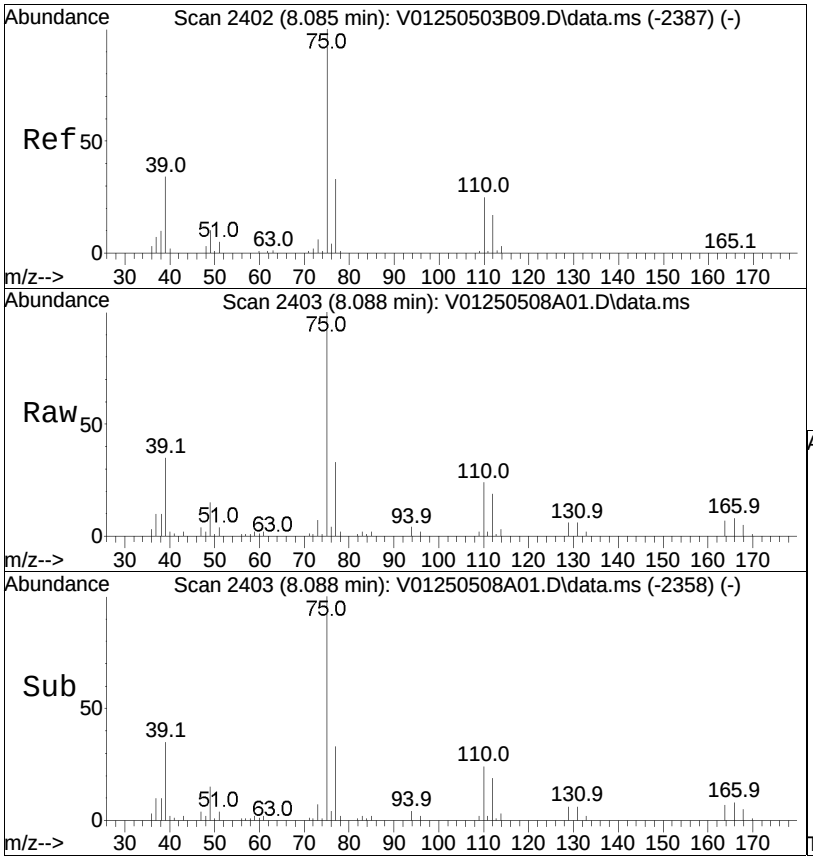


#63
Tetrachloroethene
Concen: 9.62 ug/L
RT: 8.049 min Scan# 2389
Delta R.T. -0.019 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:166 Resp: 96340

Ion	Ratio	Lower	Upper
166	100		
168	48.2	26.9	66.9
94	44.3	26.0	66.0

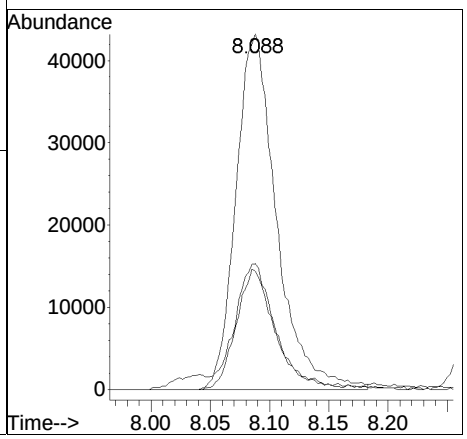


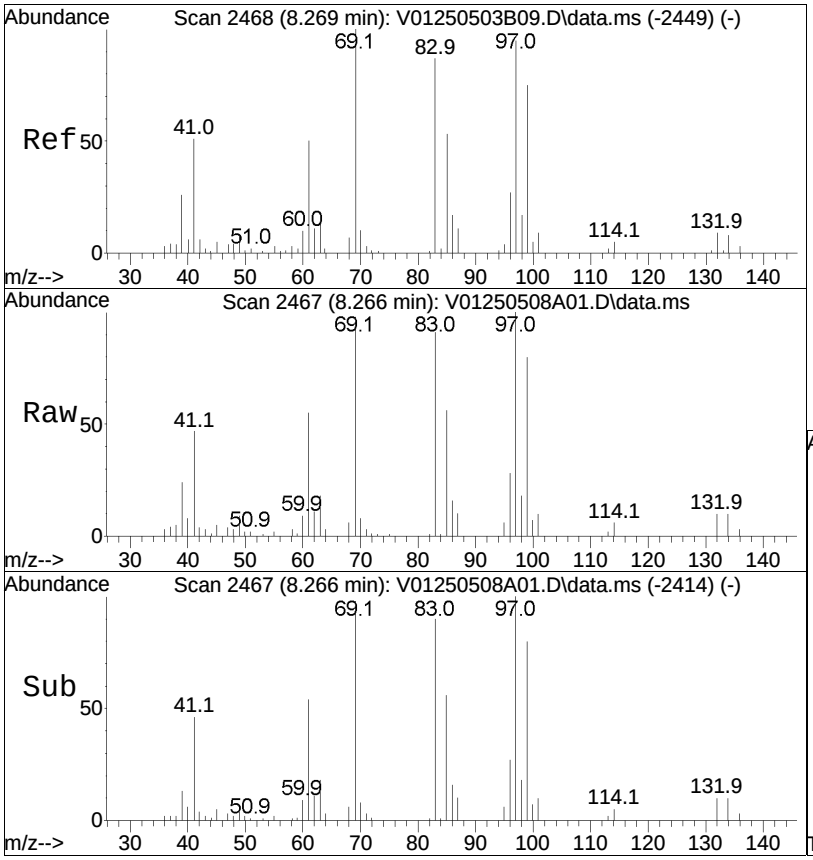


#65
trans-1,3-Dichloropropene
Concen: 8.57 ug/L
RT: 8.088 min Scan# 2403
Delta R.T. -0.025 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 75 Resp: 102952

Ion	Ratio	Lower	Upper
75	100		
77	32.4	12.1	52.1
39	33.5	38.4	78.4#

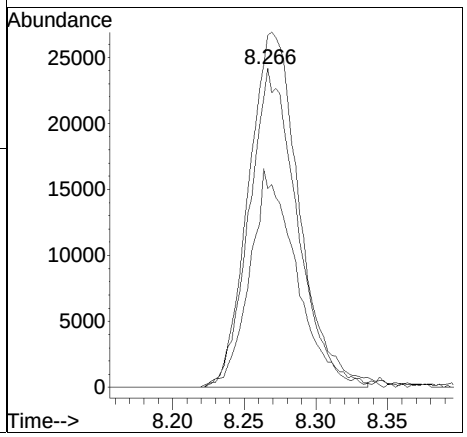


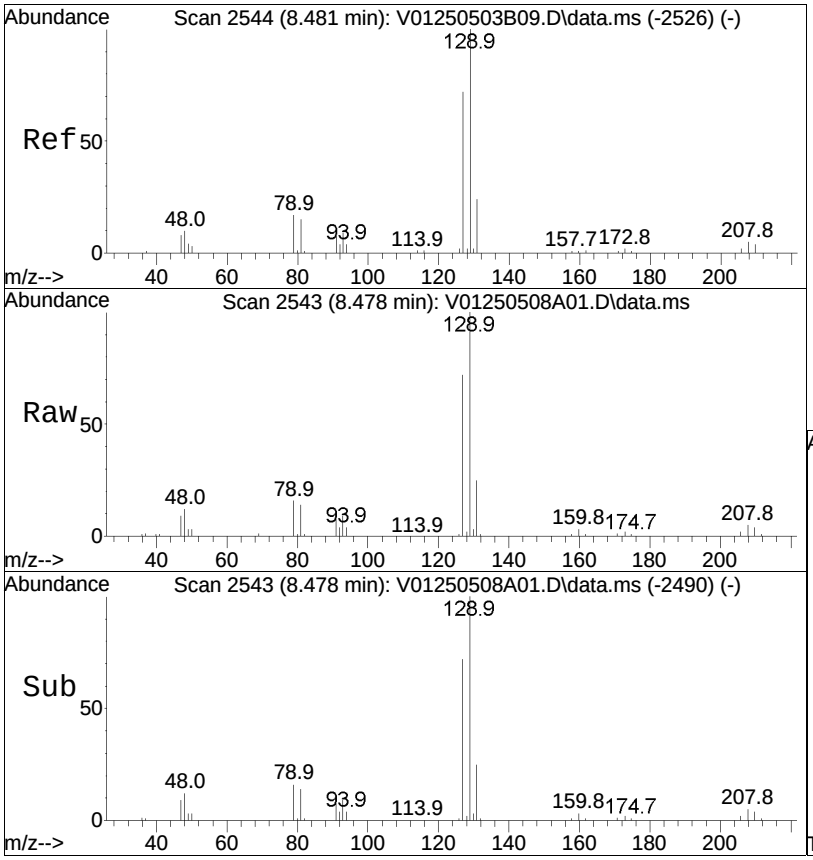


#68
1,1,2-Trichloroethane
Concen: 9.45 ug/L
RT: 8.266 min Scan# 2467
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 83 Resp: 56353

Ion	Ratio	Lower	Upper
83	100		
97	118.1	96.5	136.5
85	66.5	45.7	85.7

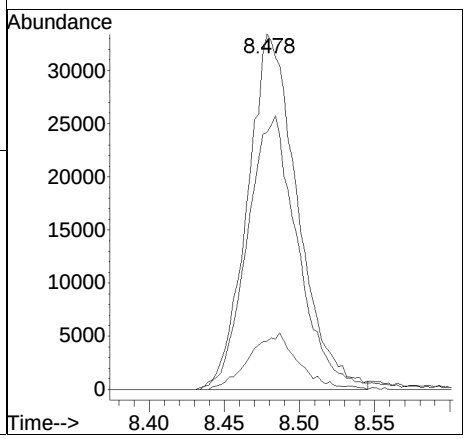


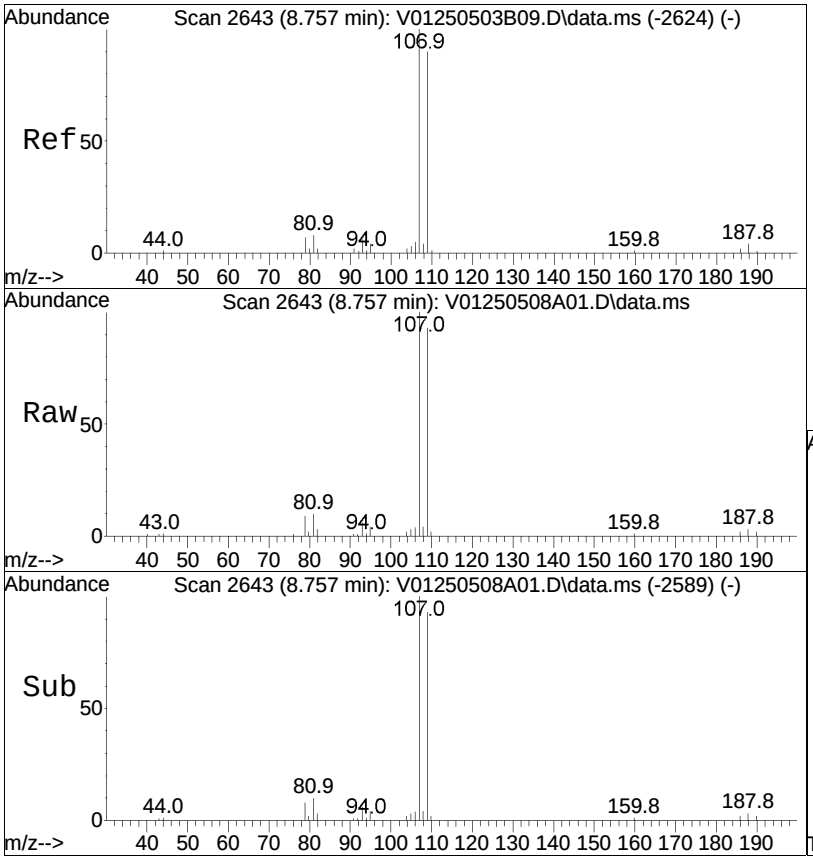


#69
Chlorodibromomethane
Concen: 9.31 ug/L
RT: 8.478 min Scan# 2543
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:129 Resp: 77776

Ion	Ratio	Lower	Upper
129	100		
81	15.3	0.0	36.1
127	78.2	56.9	96.9

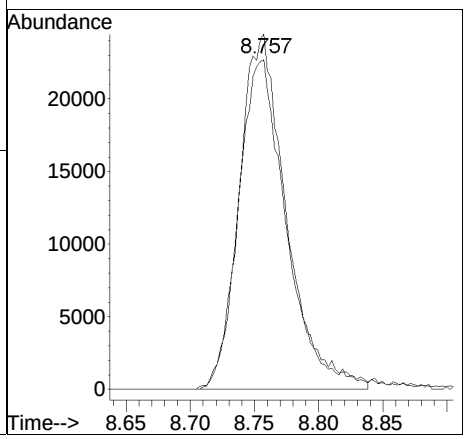


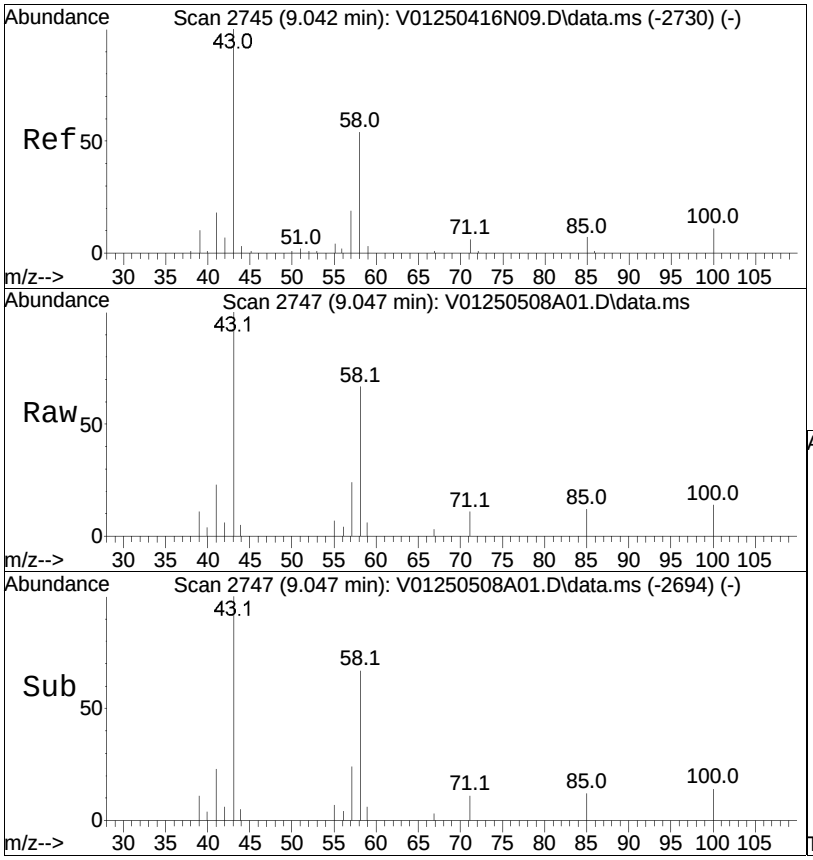


#71
1,2-Dibromoethane
Concen: 9.69 ug/L
RT: 8.757 min Scan# 2643
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:107 Resp: 62721

Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.7	113.5

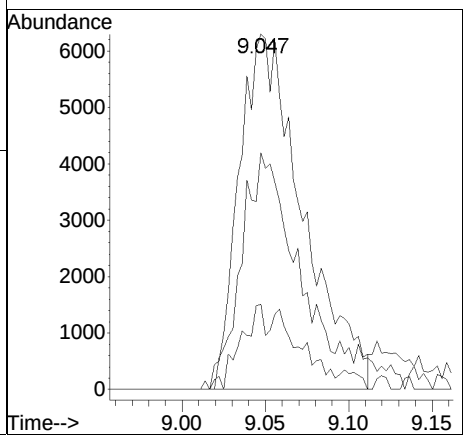


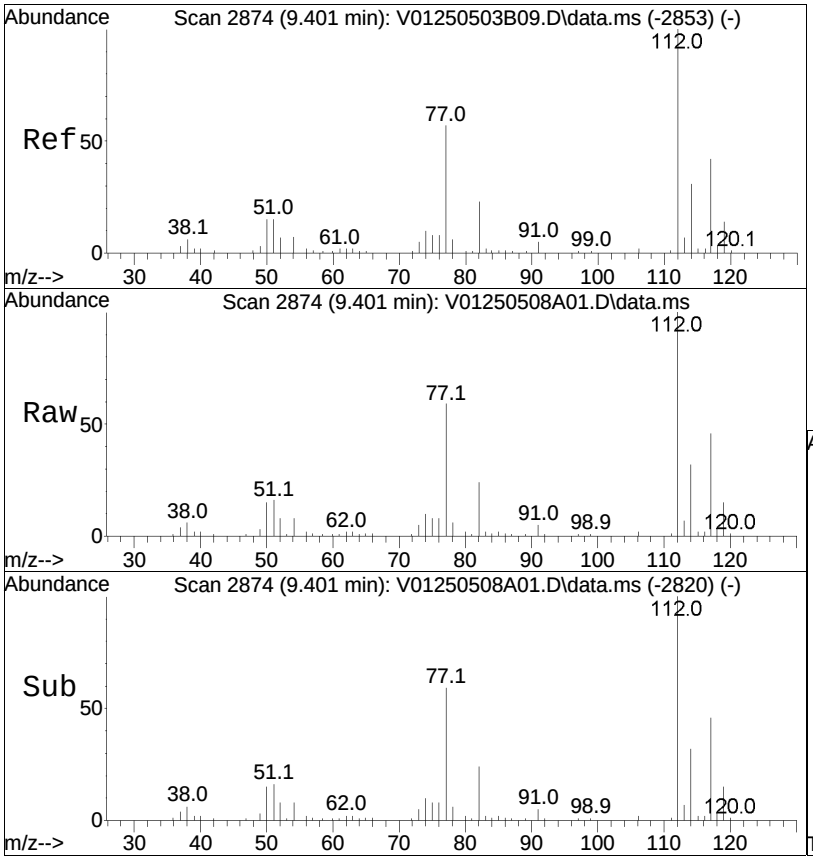


#72
2-Hexanone
Concen: 7.73 ug/L
RT: 9.047 min Scan# 2747
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 43 Resp: 16799

Ion	Ratio	Lower	Upper
43	100		
58	56.6	31.8	47.6#
57	9.2	11.4	17.0#

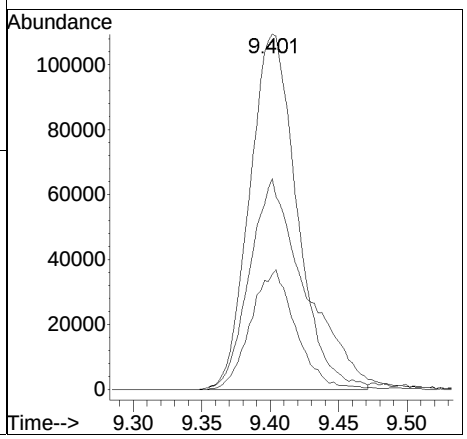


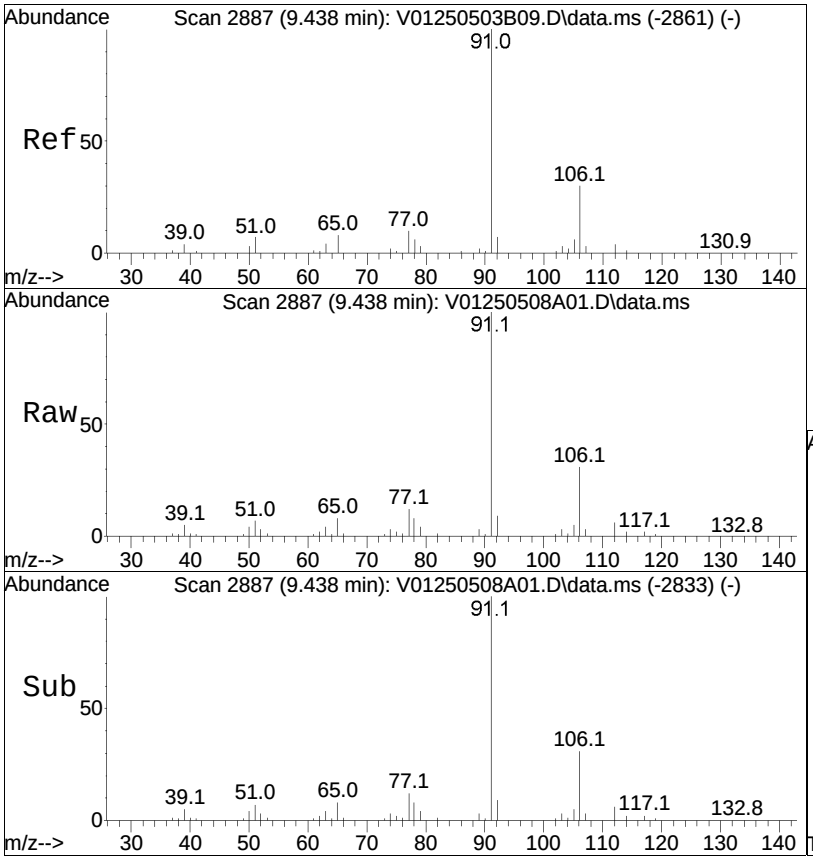


#73
Chlorobenzene
Concen: 9.40 ug/L
RT: 9.401 min Scan# 2874
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:112 Resp: 261845

Ion	Ratio	Lower	Upper
112	100		
77	71.6	59.2	88.8
114	32.4	25.5	38.3

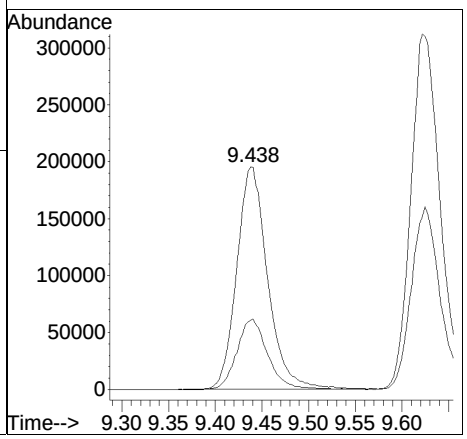


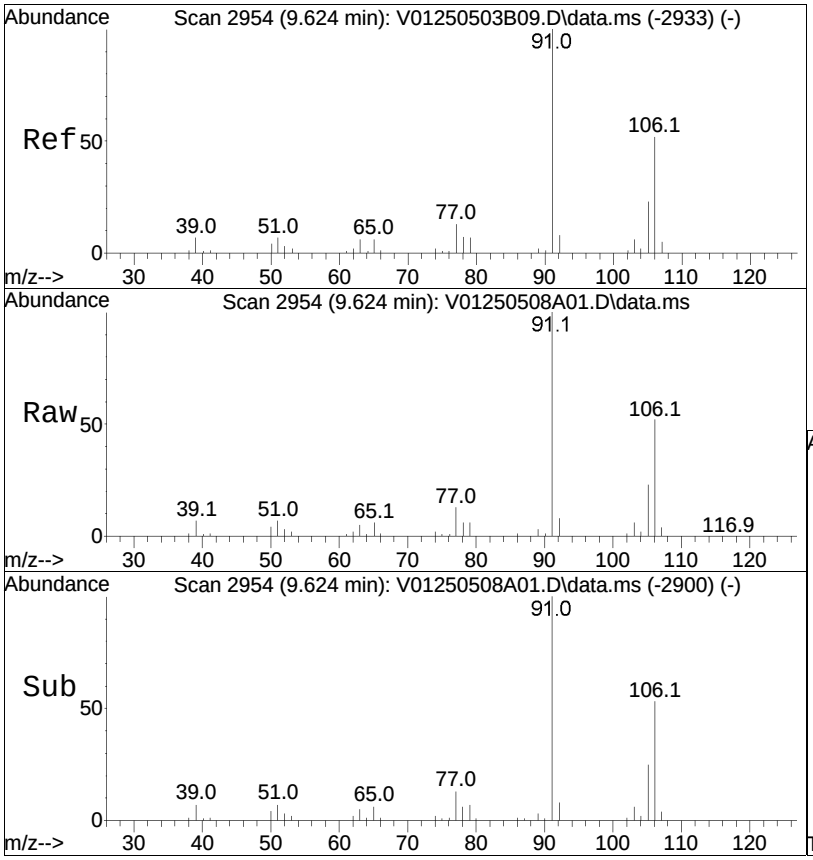


#74
Ethylbenzene
Concen: 9.27 ug/L
RT: 9.438 min Scan# 2887
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 91 Resp: 448965

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.7	37.1

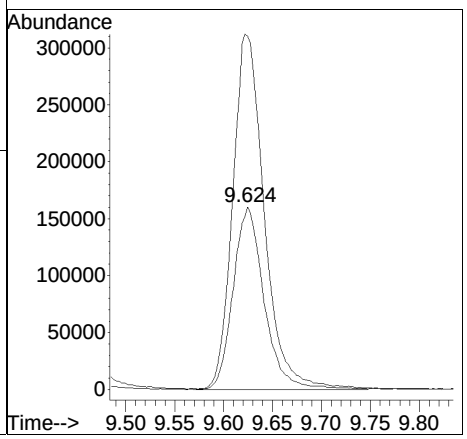


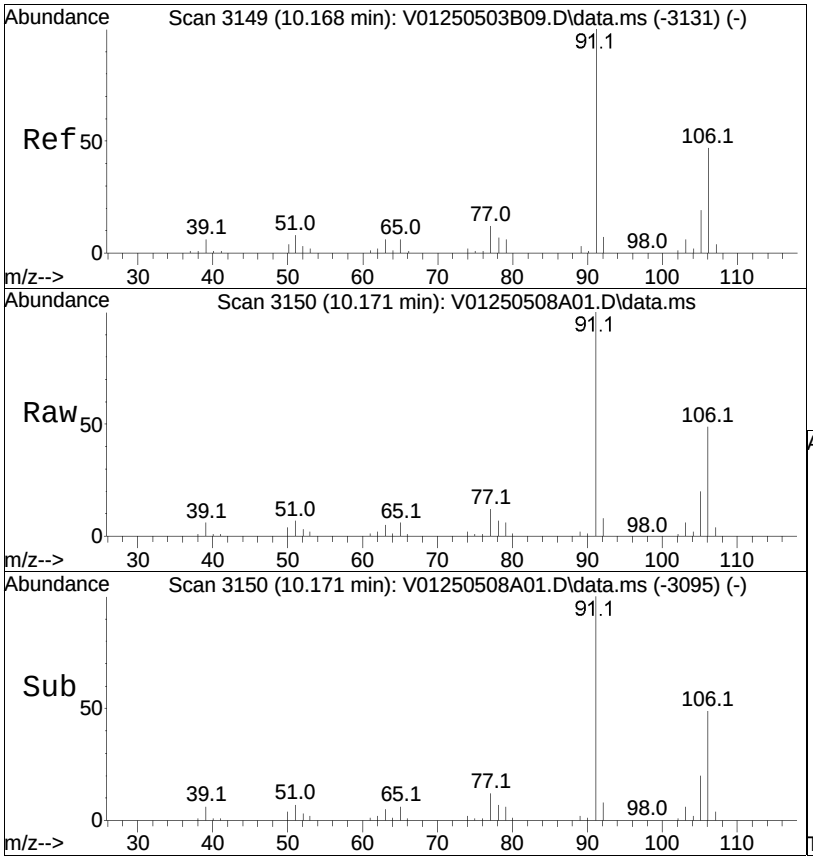


#76
p/m Xylene
Concen: 19.33 ug/L
RT: 9.624 min Scan# 2954
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:106 Resp: 353367

Ion	Ratio	Lower	Upper
106	100		
91	197.2	160.6	240.8

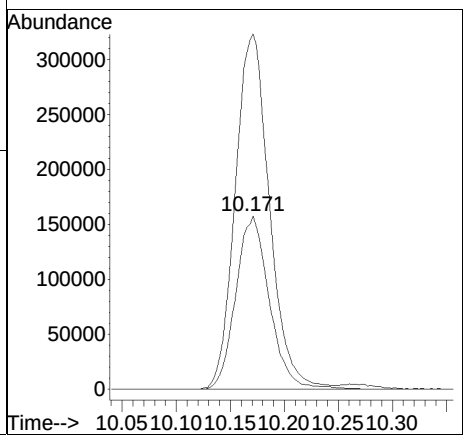


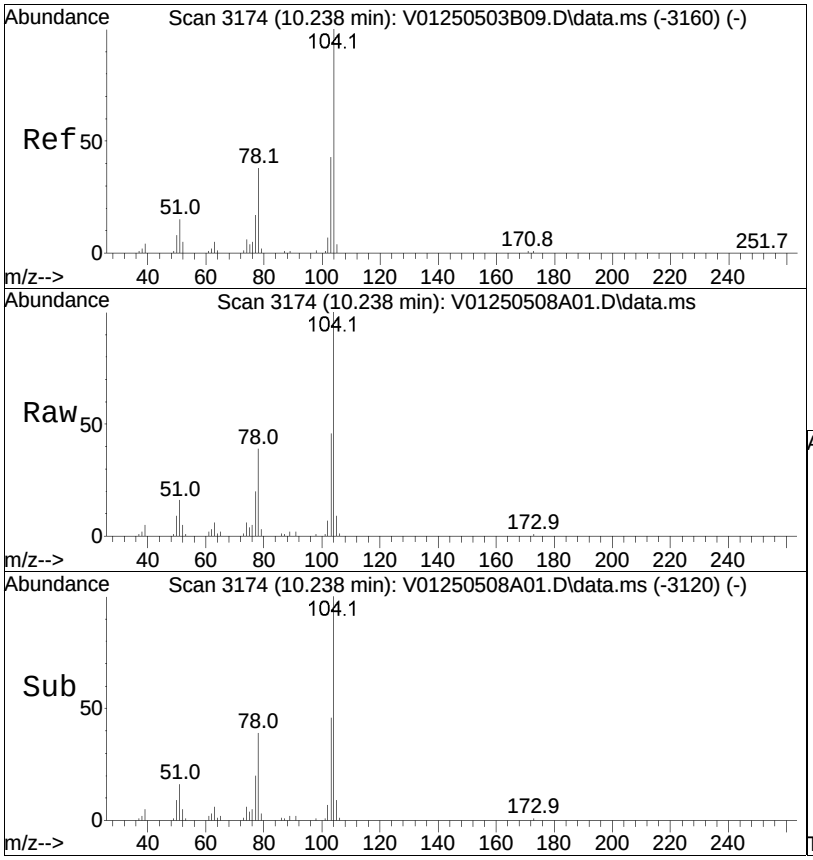


#77
o Xylene
Concen: 19.38 ug/L
RT: 10.171 min Scan# 3150
Delta R.T. 0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:106 Resp: 341878

Ion	Ratio	Lower	Upper
106	100		
91	208.5	170.0	255.0

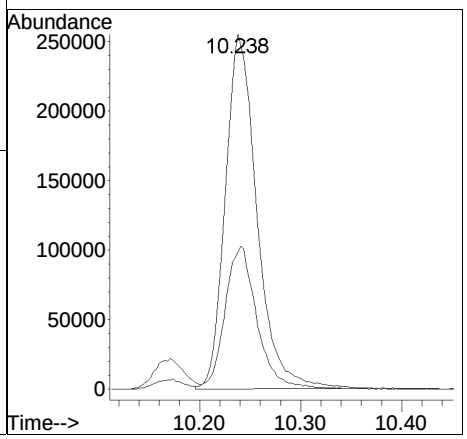


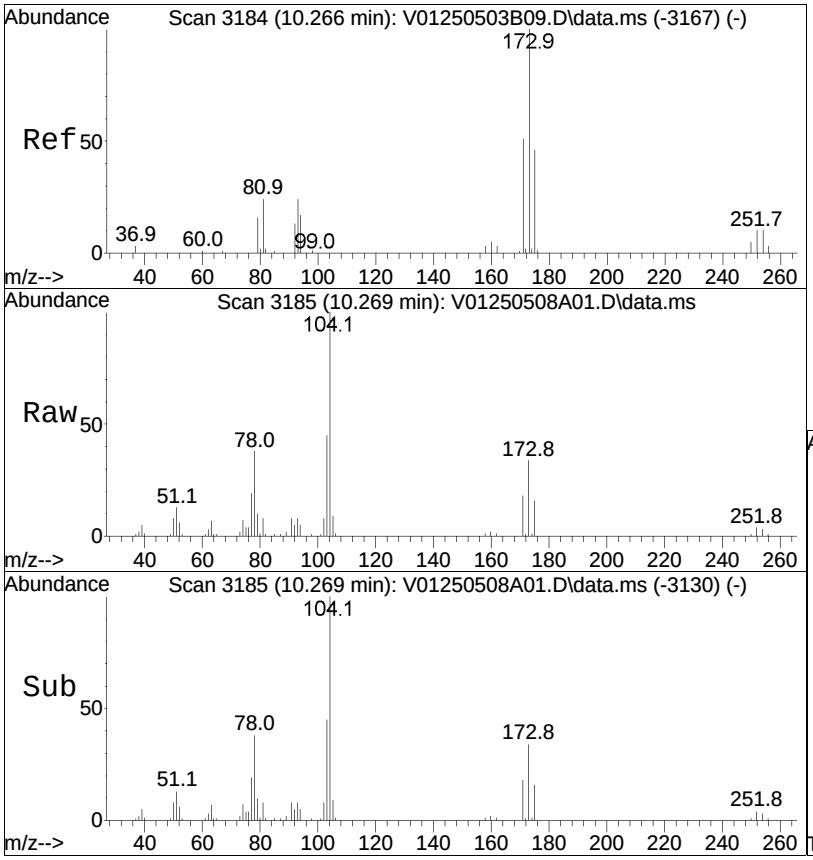


#78
Styrene
Concen: 19.41 ug/L
RT: 10.238 min Scan# 3174
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:104 Resp: 554623

Ion	Ratio	Lower	Upper
104	100		
78	40.6	33.6	50.4

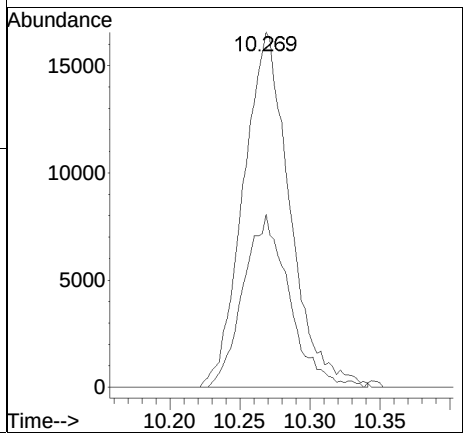


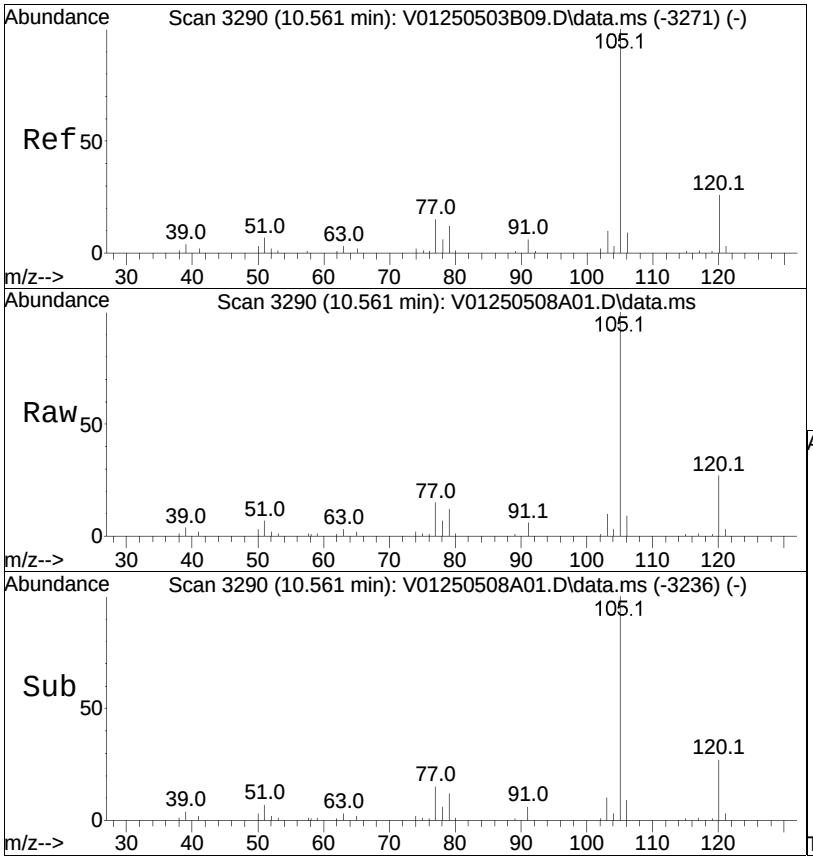


#80
Bromoform
Concen: 9.02 ug/L
RT: 10.269 min Scan# 3185
Delta R.T. 0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:173 Resp: 38392

Ion	Ratio	Lower	Upper
173	100		
175	47.6	29.5	69.5

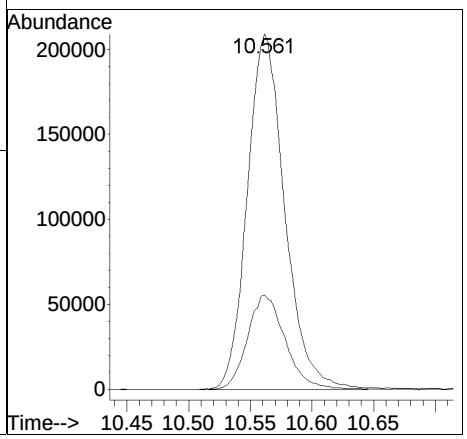


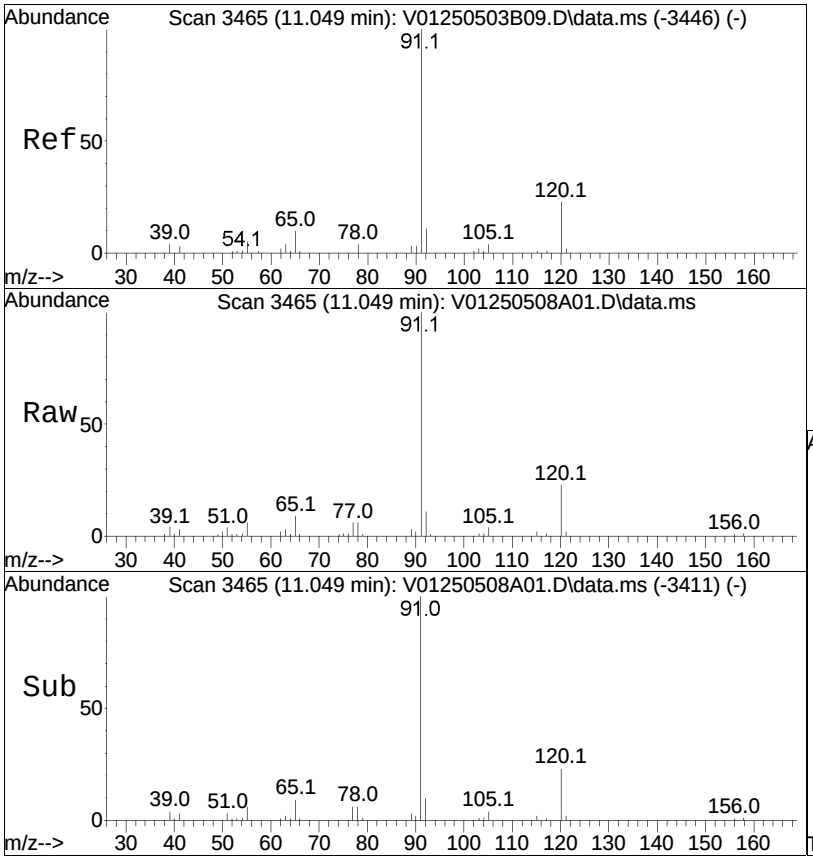


#82
Isopropylbenzene
Concen: 8.89 ug/L
RT: 10.561 min Scan# 3290
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:105 Resp: 440885

Ion	Ratio	Lower	Upper
105	100		
120	26.7	6.4	46.4

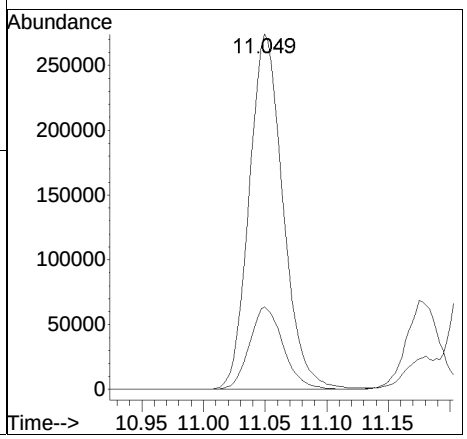


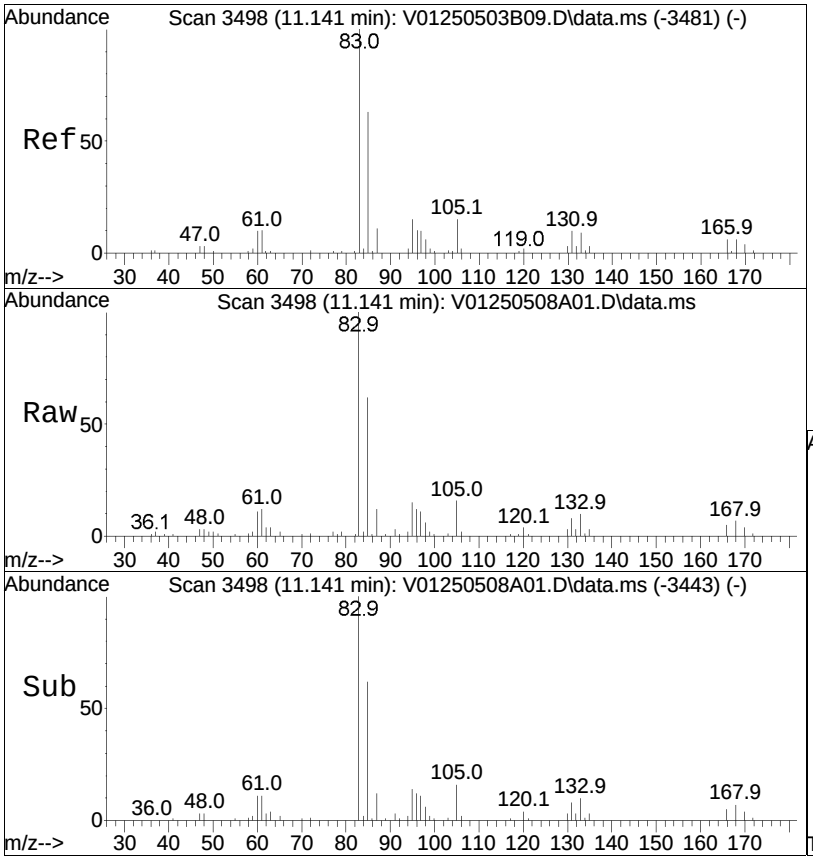


#85
n-Propylbenzene
Concen: 9.05 ug/L
RT: 11.049 min Scan# 3465
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 91 Resp: 524374

Ion	Ratio	Lower	Upper
91	100		
120	23.2	18.5	27.7

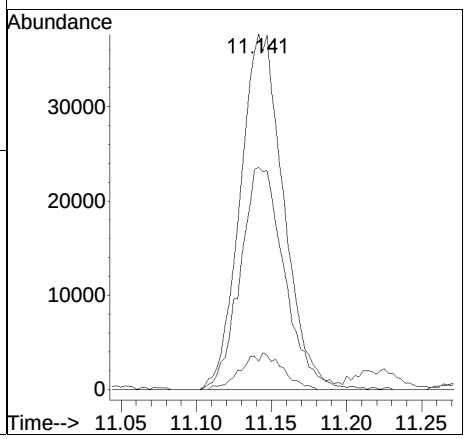


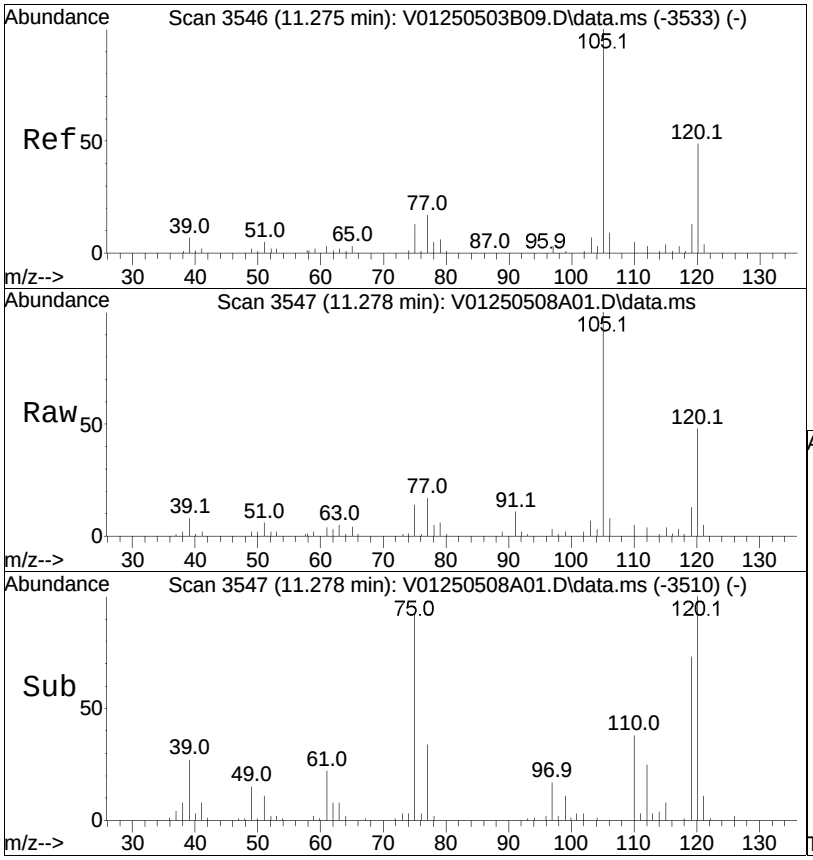


#87
1,1,2,2-Tetrachloroethane
Concen: 9.78 ug/L
RT: 11.141 min Scan# 3498
Delta R.T. 0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 83 Resp: 75722

Ion	Ratio	Lower	Upper
83	100		
131	4.6	0.0	30.2
85	63.3	46.3	86.3

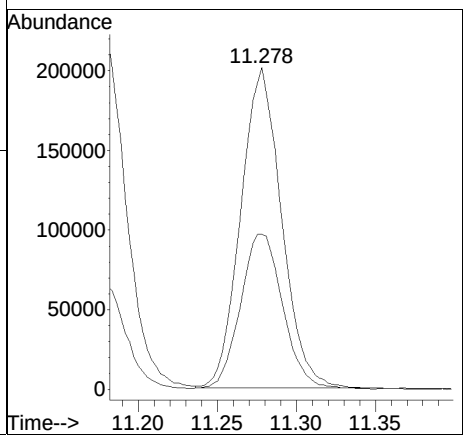


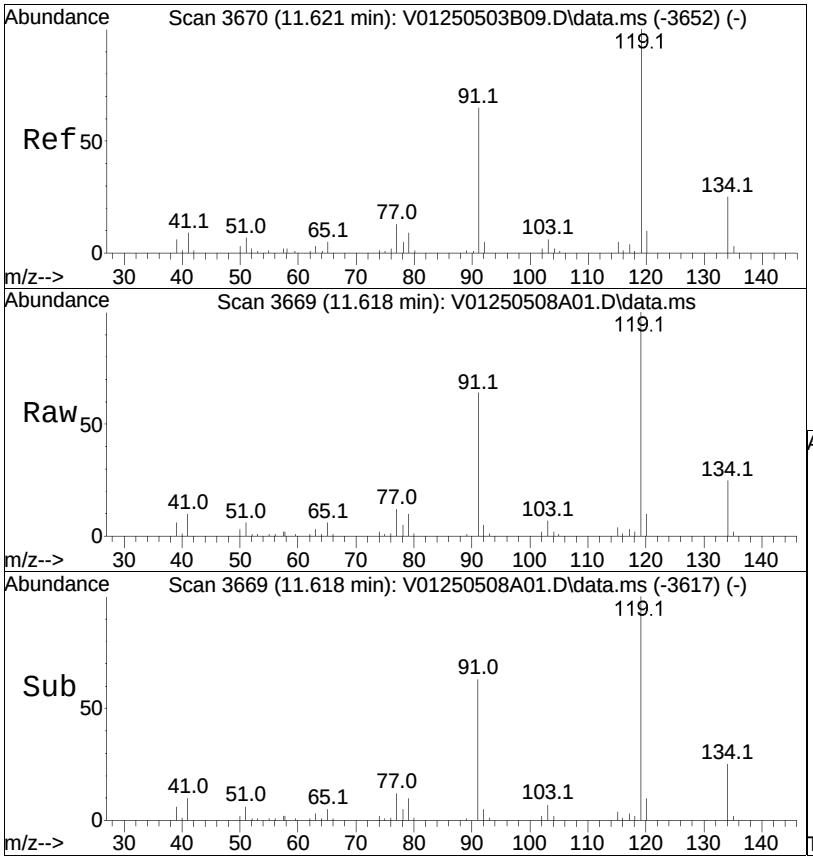


#90
1,3,5-Trimethylbenzene
Concen: 9.19 ug/L
RT: 11.278 min Scan# 3547
Delta R.T. 0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:105 Resp: 361689

Ion	Ratio	Lower	Upper
105	100		
120	50.2	39.3	58.9

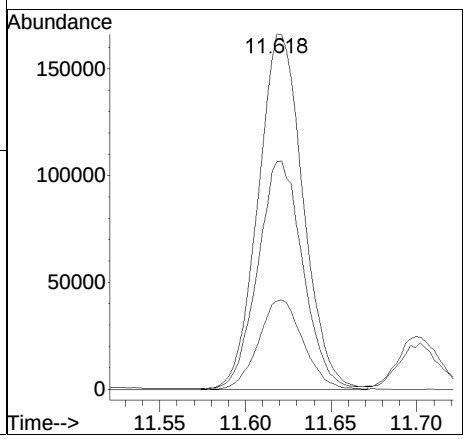


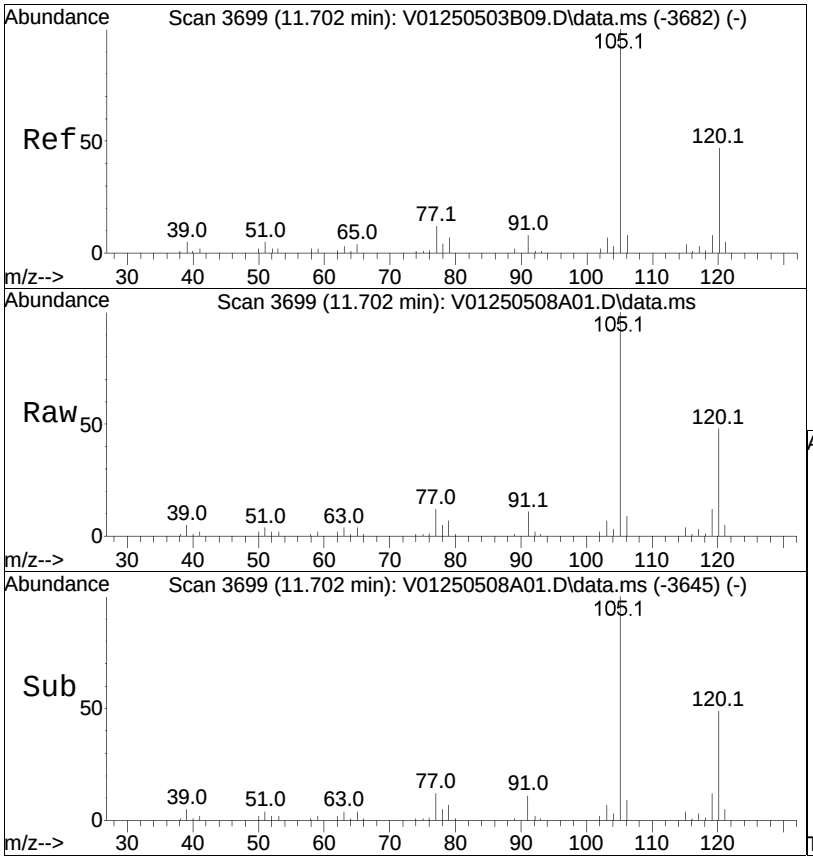


#94
tert-Butylbenzene
Concen: 9.19 ug/L
RT: 11.618 min Scan# 3669
Delta R.T. -0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:119 Resp: 303359

Ion	Ratio	Lower	Upper
119	100		
91	63.9	52.5	78.7
134	25.0	20.1	30.1

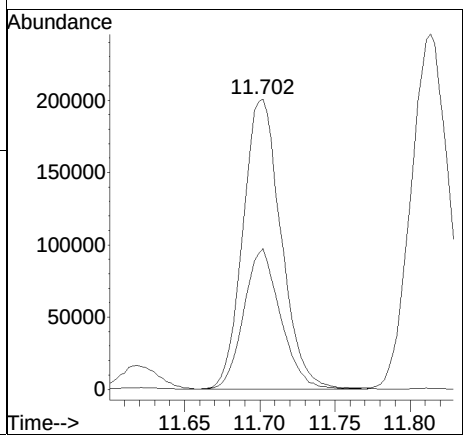


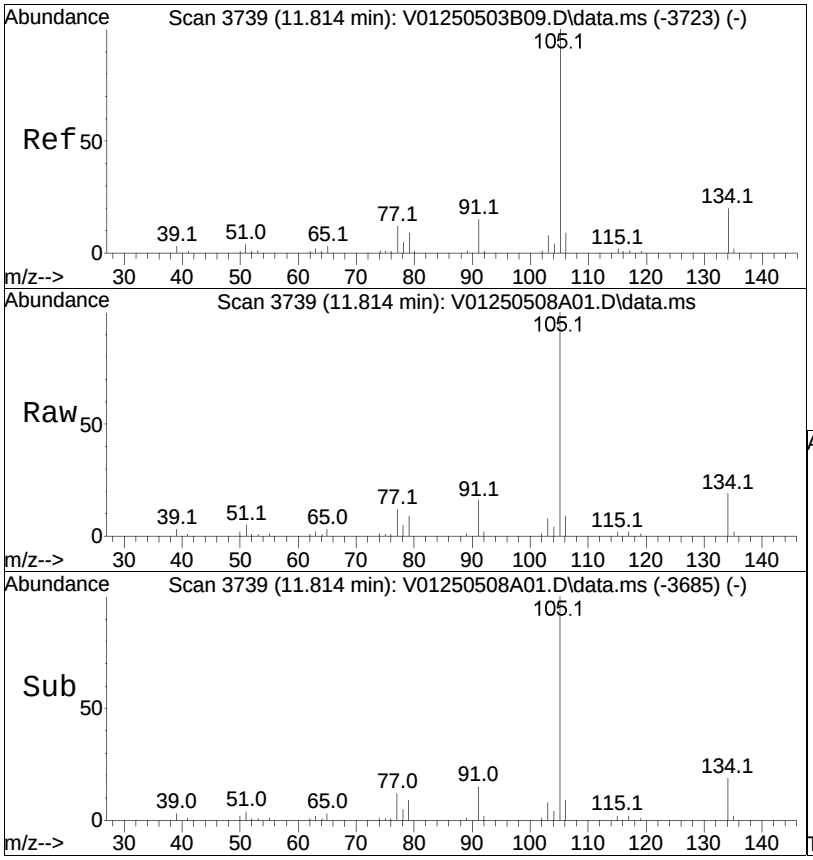


#97
1,2,4-Trimethylbenzene
Concen: 9.33 ug/L
RT: 11.702 min Scan# 3699
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:105 Resp: 354332

Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.6	55.0

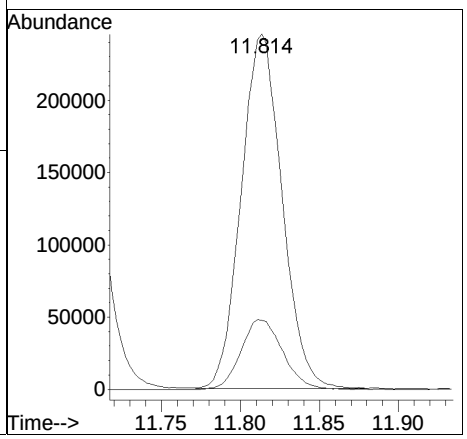


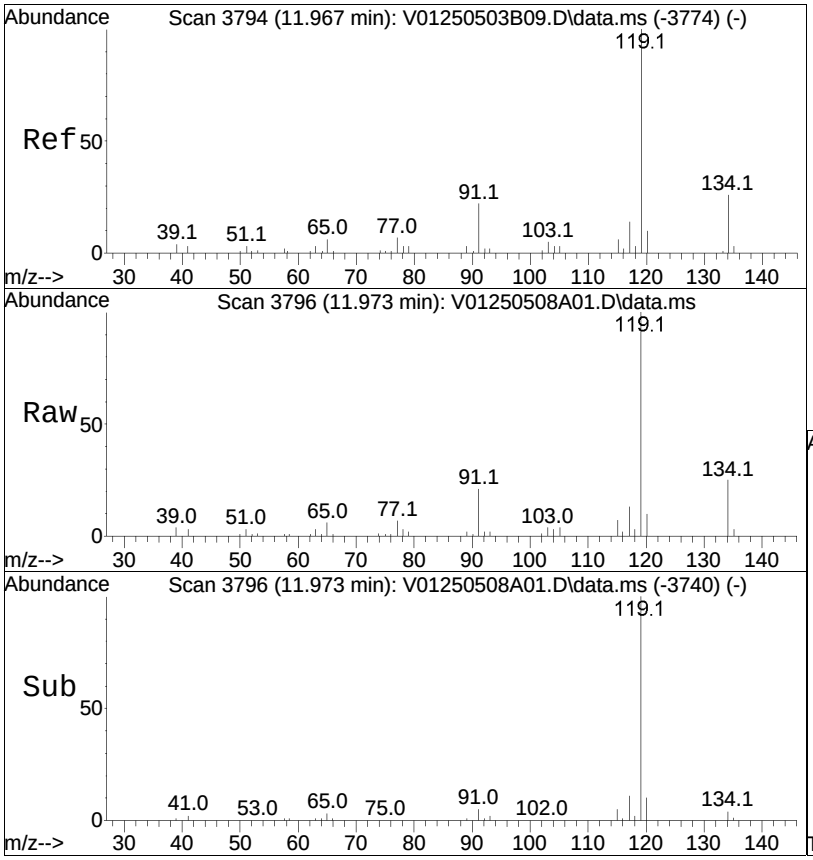


#98
sec-Butylbenzene
Concen: 9.03 ug/L
RT: 11.814 min Scan# 3739
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:105 Resp: 440637

Ion	Ratio	Lower	Upper
105	100		
134	20.1	13.4	27.8

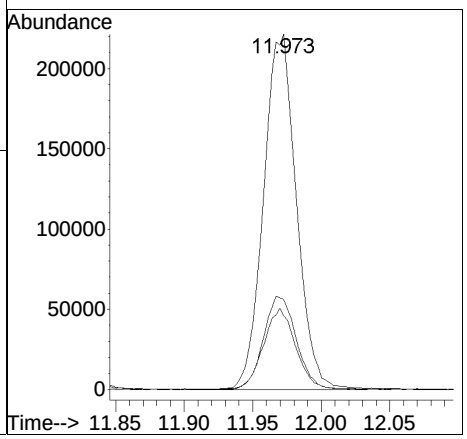


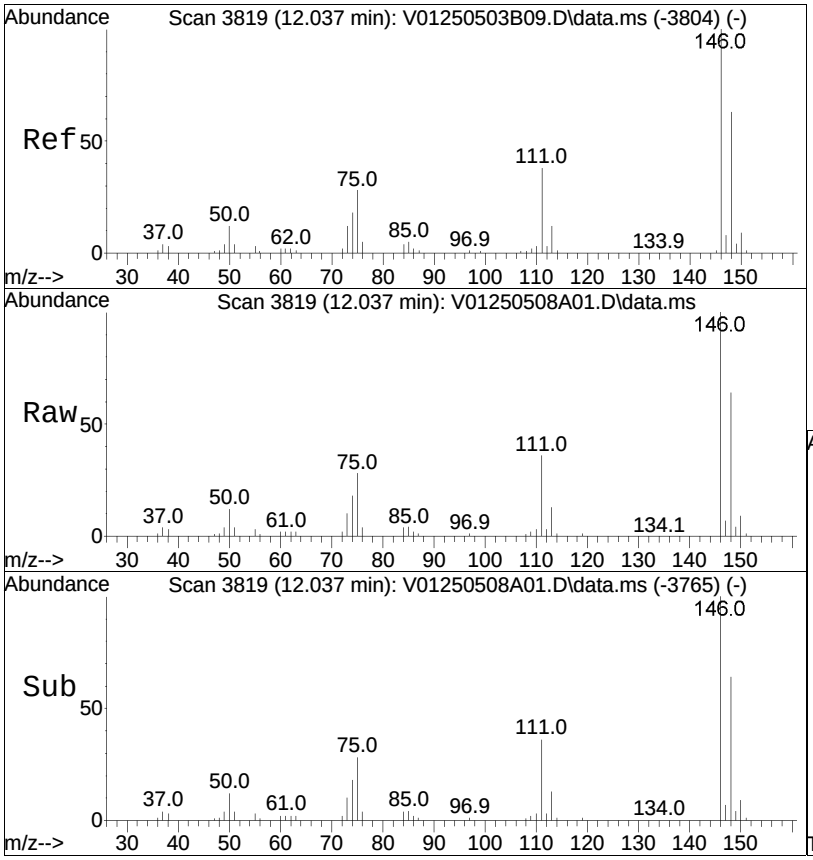


#99
p-Isopropyltoluene
Concen: 9.26 ug/L
RT: 11.973 min Scan# 3796
Delta R.T. 0.005 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:119 Resp: 369490

Ion	Ratio	Lower	Upper
119	100		
134	26.2	16.9	35.1
91	22.5	15.0	31.1

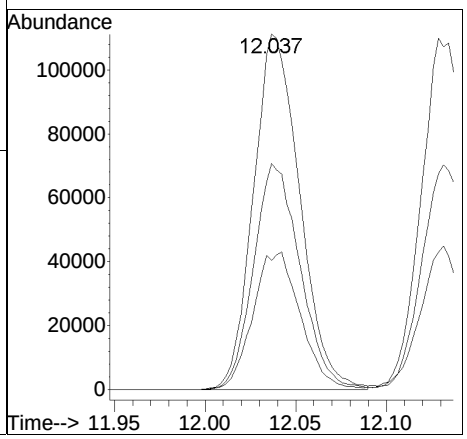


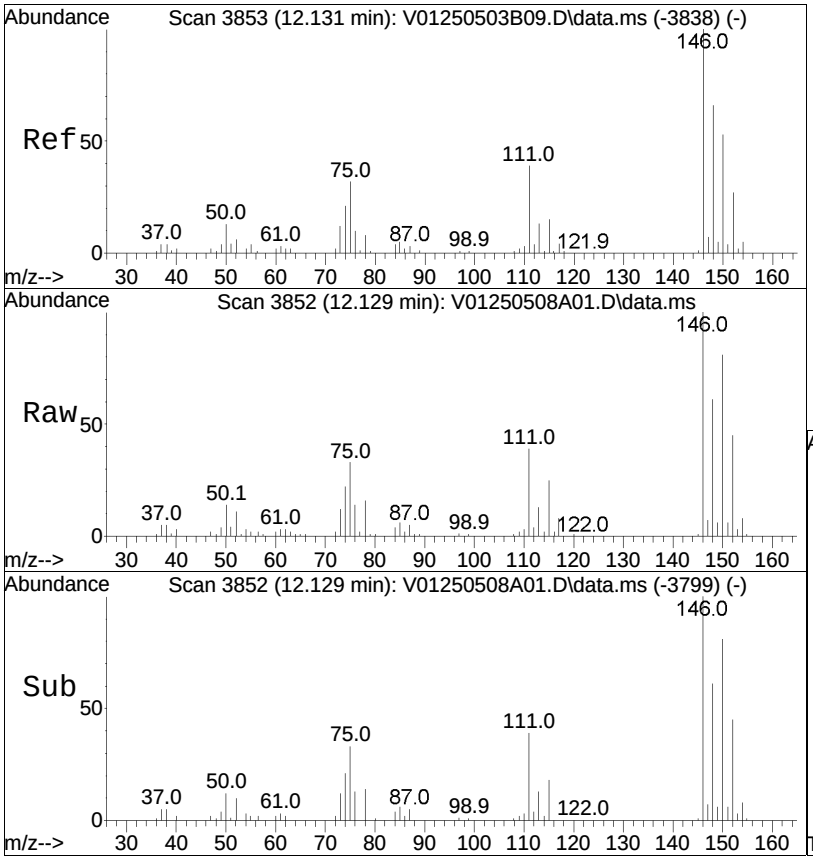


#100
1,3-Dichlorobenzene
Concen: 9.60 ug/L
RT: 12.037 min Scan# 3819
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:146 Resp: 197739

Ion	Ratio	Lower	Upper
146	100		
111	39.6	26.9	55.9
148	63.8	41.3	85.9

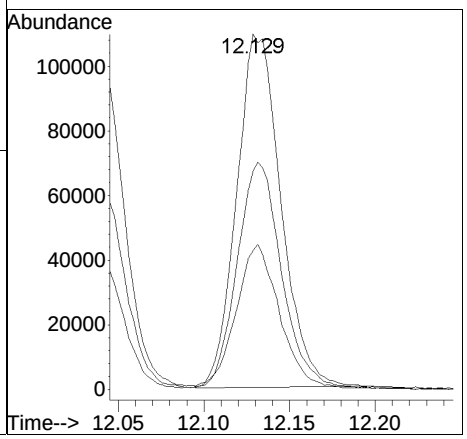


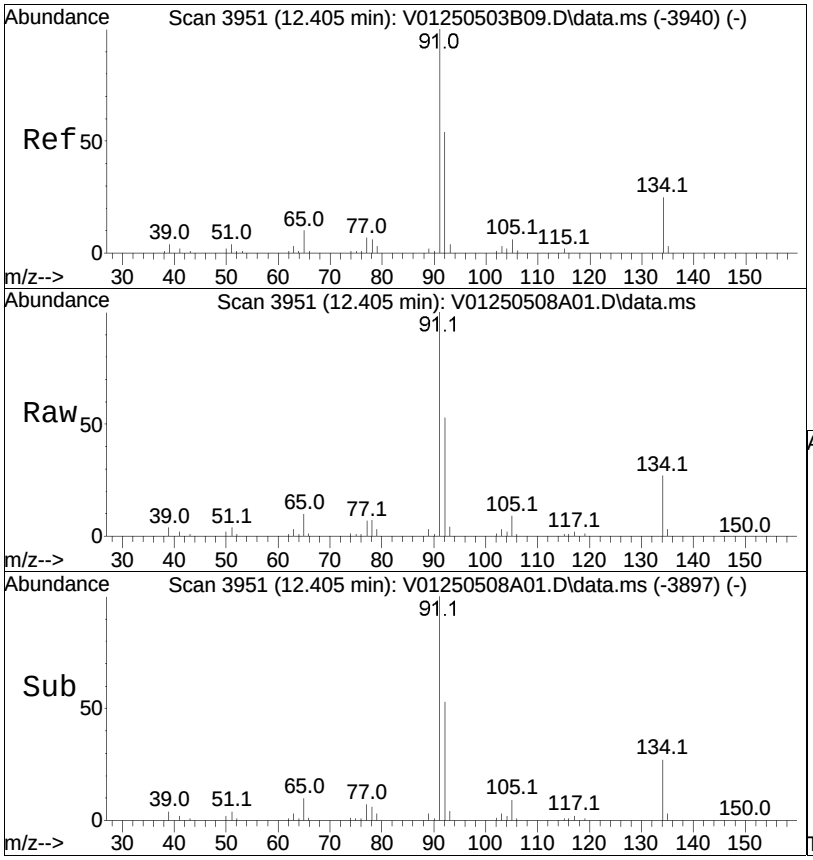


#101
1,4-Dichlorobenzene
Concen: 9.26 ug/L
RT: 12.129 min Scan# 3852
Delta R.T. -0.002 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:146 Resp: 196645

Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.4	50.2
148	64.1	51.4	77.2

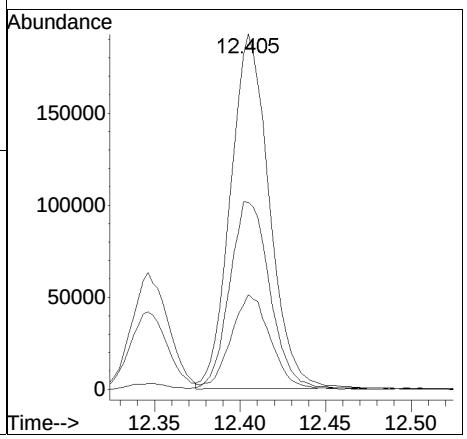


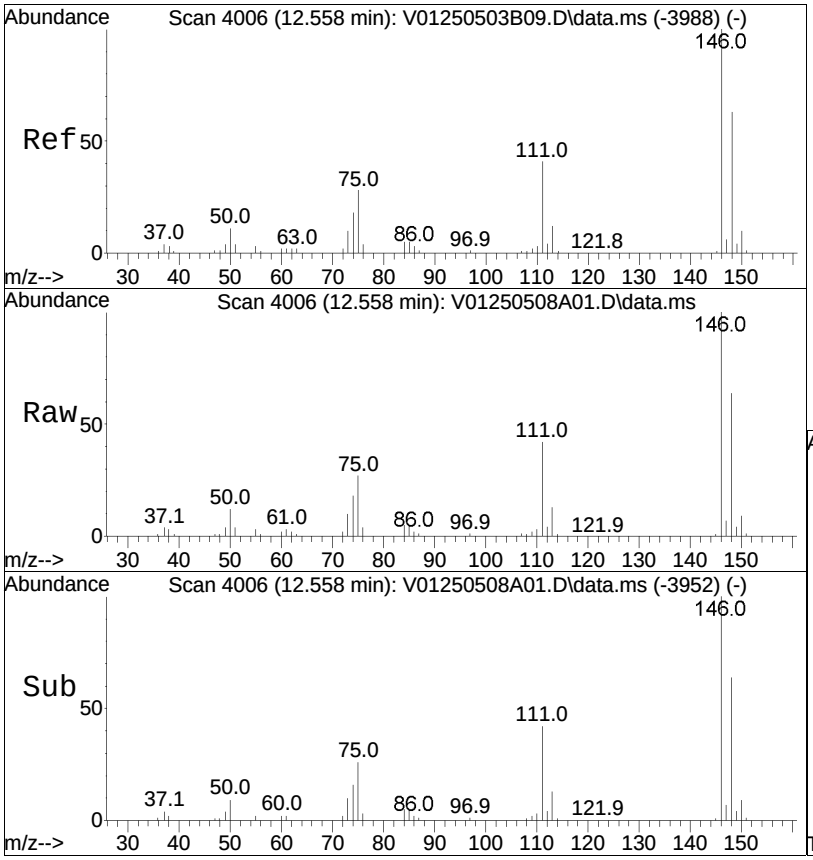


#103
n-Butylbenzene
Concen: 9.18 ug/L
RT: 12.405 min Scan# 3951
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion: 91 Resp: 303989

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.5	65.3
134	26.8	21.4	32.2

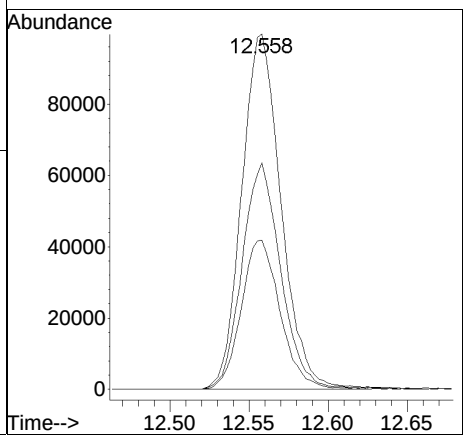


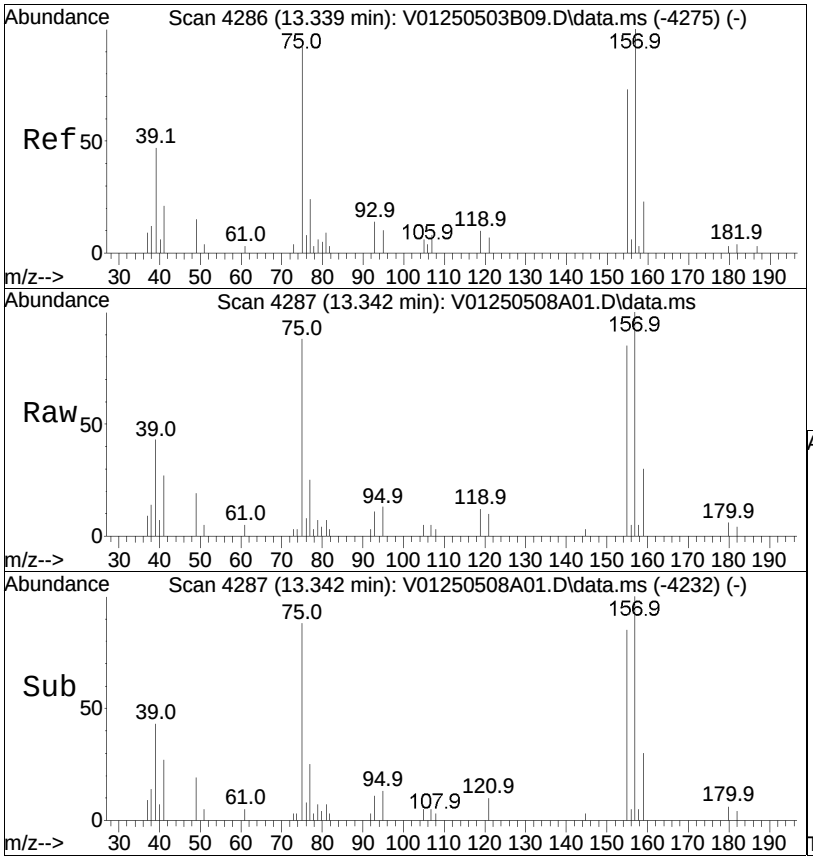


#104
1,2-Dichlorobenzene
Concen: 9.56 ug/L
RT: 12.558 min Scan# 4006
Delta R.T. 0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:146 Resp: 172590

Ion	Ratio	Lower	Upper
146	100		
111	41.6	28.1	58.3
148	62.7	41.0	85.0

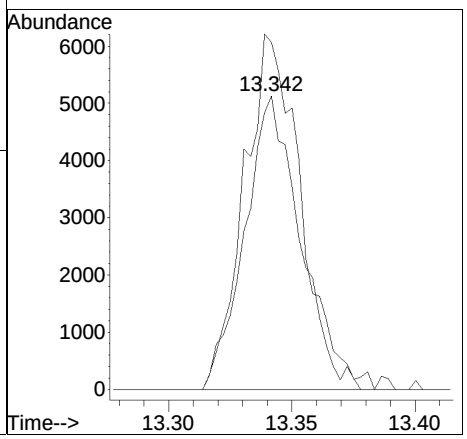


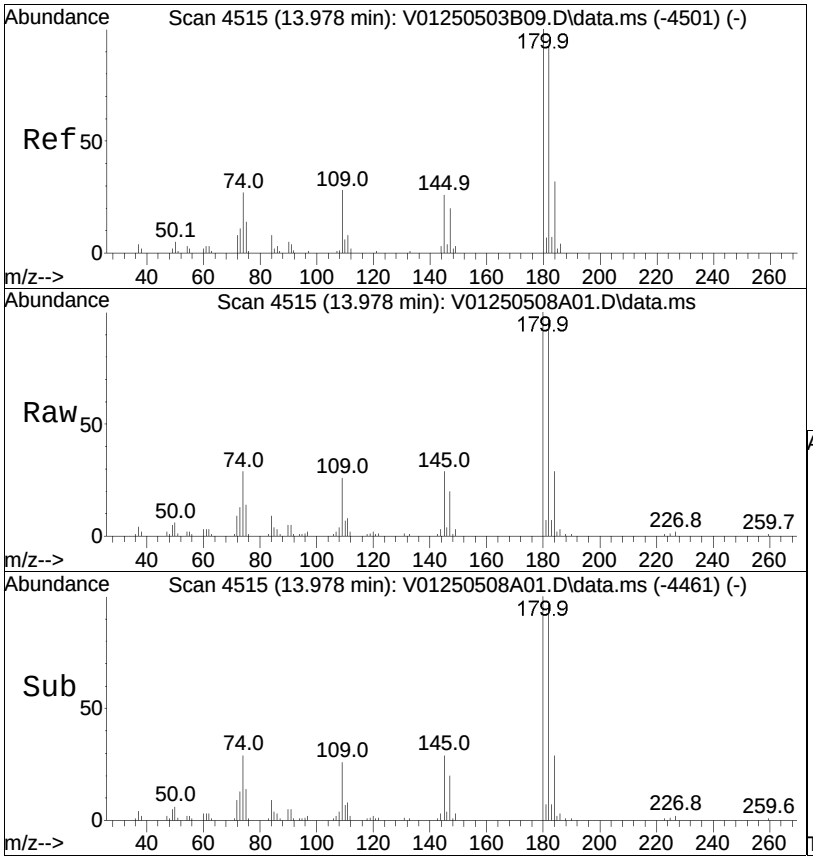


#106
1,2-Dibromo-3-chloropropane
Concen: 8.85 ug/L
RT: 13.342 min Scan# 4287
Delta R.T. 0.003 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:155 Resp: 7928

Ion	Ratio	Lower	Upper
155	100		
157	125.8	101.8	152.8

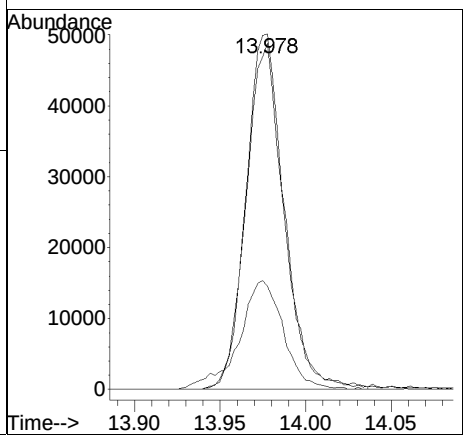


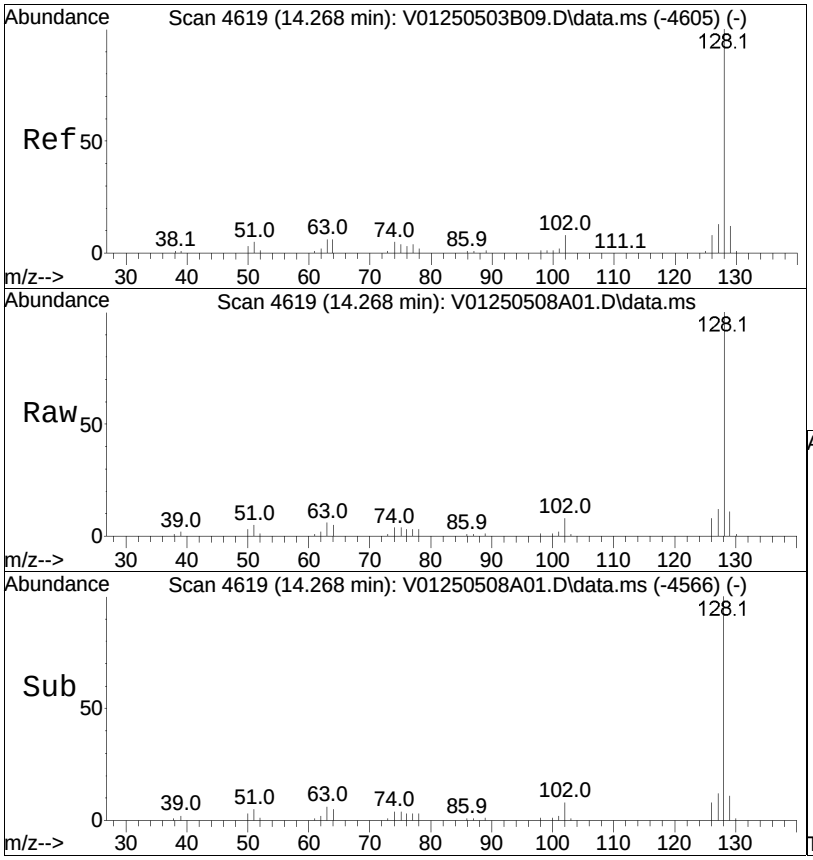


#109
1,2,4-Trichlorobenzene
Concen: 9.20 ug/L
RT: 13.978 min Scan# 4515
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:180 Resp: 78483

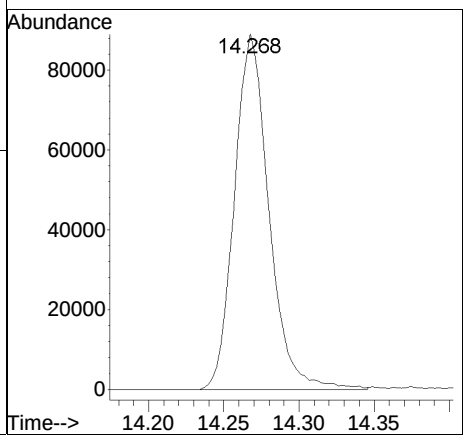
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
145	35.2	28.8	43.2





#110
Naphthalene
Concen: 9.03 ug/L
RT: 14.268 min Scan# 4619
Delta R.T. -0.000 min
Lab File: V01250508A01.D
Acq: 8 May 2025 7:46 am

Tgt Ion:128 Resp: 141985

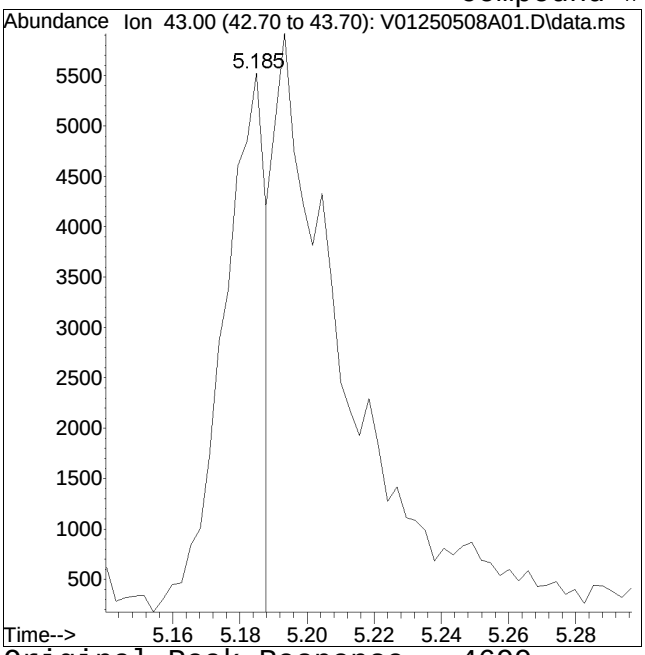


Manual Integration Report

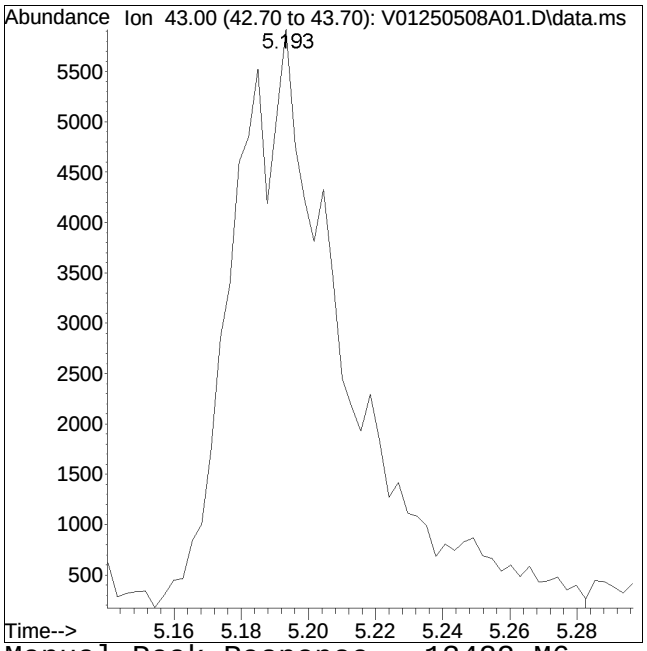
Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A01.D
Date Inj'd : 5/8/2025 7:46 am
Sample : WG2064186-3,31,10,10

QMethod : V101_250503B_8260.m
Operator : VOA101:mjv
Instrument : VOA 101
Quant Date : 5/8/2025 9:17 am

Compound #39: 2-Butanone



Original Peak Response = 4699



Manual Peak Response = 13422 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.877	96	405024	10.000 ug/L	0.00
Standard Area 1 = 405024			Recovery = 100.00%		
62) Chlorobenzene-d5	9.407	117	348411	10.000 ug/L	0.00
Standard Area 1 = 348411			Recovery = 100.00%		
83) 1,4-Dichlorobenzene-d4	12.139	152	191325	10.000 ug/L	0.00
Standard Area 1 = 191325			Recovery = 100.00%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.068	113	129073	11.586 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.86%		
46) 1,2-Dichloroethane-d4	5.591	65	118173	9.620 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.20%		
63) Toluene-d8	7.569	98	432015	9.175 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.75%		
87) 4-Bromofluorobenzene	10.915	95	148443	8.441 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.41%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.585	85	68813	10.387 ug/L	97
3) Chloromethane	1.765	50	77451	8.367 ug/L	98
4) Vinyl chloride	1.836	62	68545	8.514 ug/L	97
5) Bromomethane	2.134	94	26884	10.671 ug/L	96
6) Chloroethane	2.244	64	42203	10.186 ug/L	98
7) Trichlorofluoromethane	2.385	101	95468	12.377 ug/L	100
10) 1,1-Dichloroethene	2.864	96	51473	11.058 ug/L	84
11) Carbon disulfide	2.895	76	165384	9.864 ug/L	98
12) Freon-113	2.903	101	55957	11.578 ug/L	89
15) Methylene chloride	3.397	84	57816	10.184 ug/L	86
17) Acetone	3.437	43	9650	8.315 ug/L	95
18) trans-1,2-Dichloroethene	3.546	96	57067	10.704 ug/L	87
19) Methyl acetate	3.554	43	24795	8.064 ug/L	97
21) Methyl tert-butyl ether	3.648	73	89029	8.851 ug/L	98
25) 1,1-Dichloroethane	4.119	63	108878	9.293 ug/L	98
30) cis-1,2-Dichloroethene	4.637	96	62705	11.000 ug/L	86
33) Cyclohexane	4.833	56	110782	9.143 ug/L	96
34) Chloroform	4.896	83	96520	9.920 ug/L	97
36) Carbon tetrachloride	5.029	117	90061	12.469 ug/L	99
39) 1,1,1-Trichloroethane	5.100	97	91179	11.361 ug/L	95

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) 2-Butanone	5.178	43	14485	8.891	ug/L	#	48
44) Benzene	5.458	78	192351	9.151	ug/L		97
47) 1,2-Dichloroethane	5.661	62	65390	9.324	ug/L		98
50) Methyl cyclohexane	6.052	83	79647	8.344	ug/L		95
51) Trichloroethene	6.052	95	59138	10.342	ug/L		88
54) 1,2-Dichloropropane	6.589	63	52424	8.492	ug/L		93
57) Bromodichloromethane	6.665	83	68288	9.782	ug/L		96
61) cis-1,3-Dichloropropene	7.353	75	69787	9.040	ug/L		94
64) Toluene	7.624	92	135539	9.060	ug/L		95
65) 4-Methyl-2-pentanone	8.055	58	7297	6.689	ug/L	#	97
66) Tetrachloroethene	8.076	166	71245	11.764	ug/L		91
68) trans-1,3-Dichloropropene	8.104	75	55704	7.842	ug/L		94
71) 1,1,2-Trichloroethane	8.284	83	27696	8.077	ug/L		90
72) Chlorodibromomethane	8.500	129	50272	10.411	ug/L		95
74) 1,2-Dibromoethane	8.771	107	35661	9.554	ug/L		99
76) 2-Hexanone	9.063	43	14179	6.418	ug/L		99
77) Chlorobenzene	9.428	112	169348	10.042	ug/L		92
78) Ethylbenzene	9.477	91	257966	8.902	ug/L		95
80) p/m Xylene	9.659	106	213580	19.627	ug/L		89
81) o Xylene	10.206	106	200029	19.164	ug/L		91
82) Styrene	10.270	104	319847	18.011	ug/L		94
84) Bromoform	10.291	173	28158	9.533	ug/L		95
86) Isopropylbenzene	10.599	105	271203	8.891	ug/L		96
89) n-Propylbenzene	11.083	91	305173	8.377	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.167	83	37649	7.678	ug/L		96
94) 1,3,5-Trimethylbenzene	11.314	105	214561	9.129	ug/L		94
98) tert-Butylbenzene	11.658	119	202686	8.386	ug/L	#	90
101) 1,2,4-Trimethylbenzene	11.735	105	242607	9.316	ug/L		94
102) sec-Butylbenzene	11.853	105	287666	9.227	ug/L		96
103) p-Isopropyltoluene	12.006	119	247533	9.032	ug/L		96
104) 1,3-Dichlorobenzene	12.062	146	146626	10.573	ug/L		97
105) 1,4-Dichlorobenzene	12.160	146	142266	10.302	ug/L		96
107) n-Butylbenzene	12.438	91	196243	8.759	ug/L	#	95
108) 1,2-Dichlorobenzene	12.584	146	129571	10.601	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.364	155	6812	9.438	ug/L		98
113) 1,2,4-Trichlorobenzene	14.004	180	73624	10.433	ug/L		99
114) Naphthalene	14.297	128	138194	9.417	ug/L		100

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

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

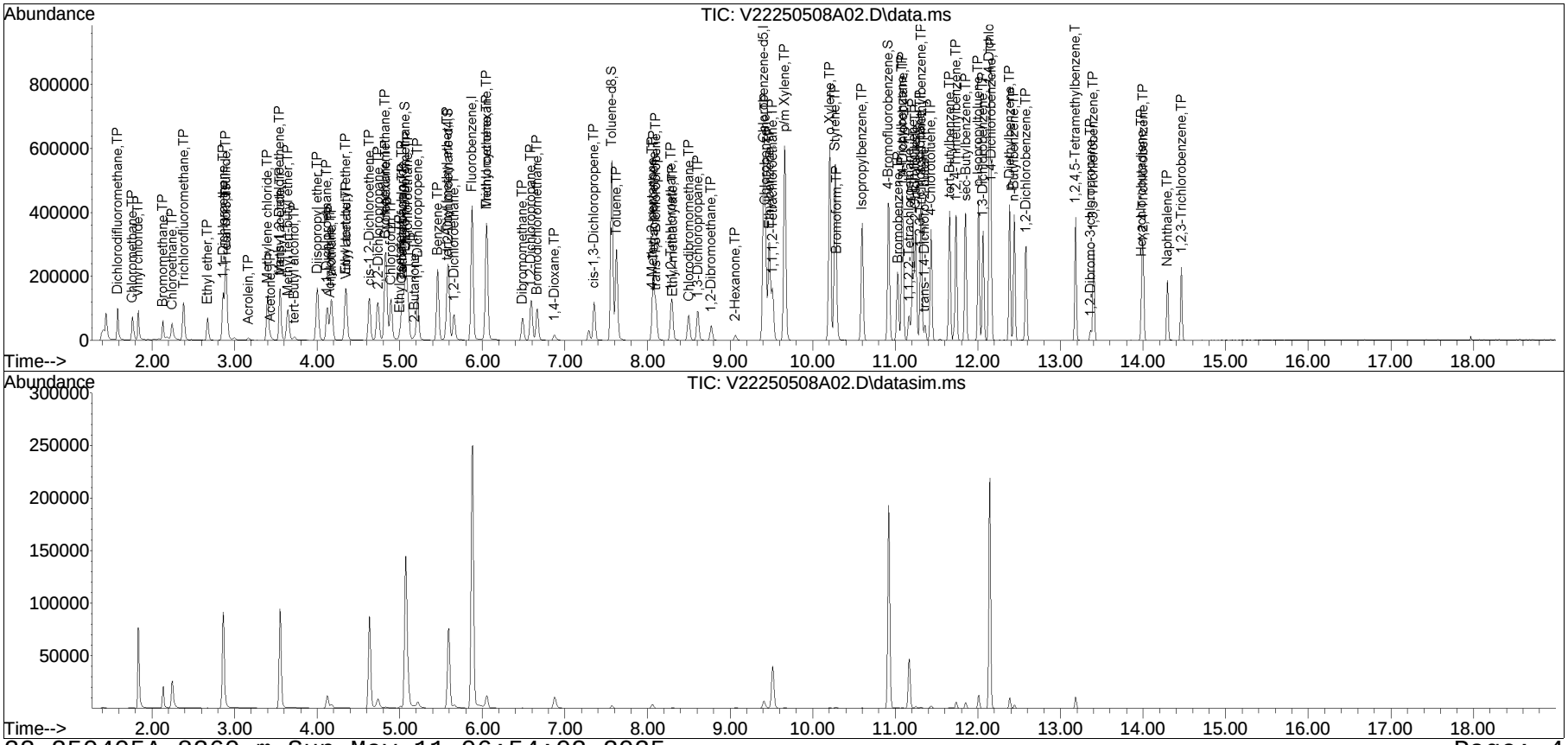
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

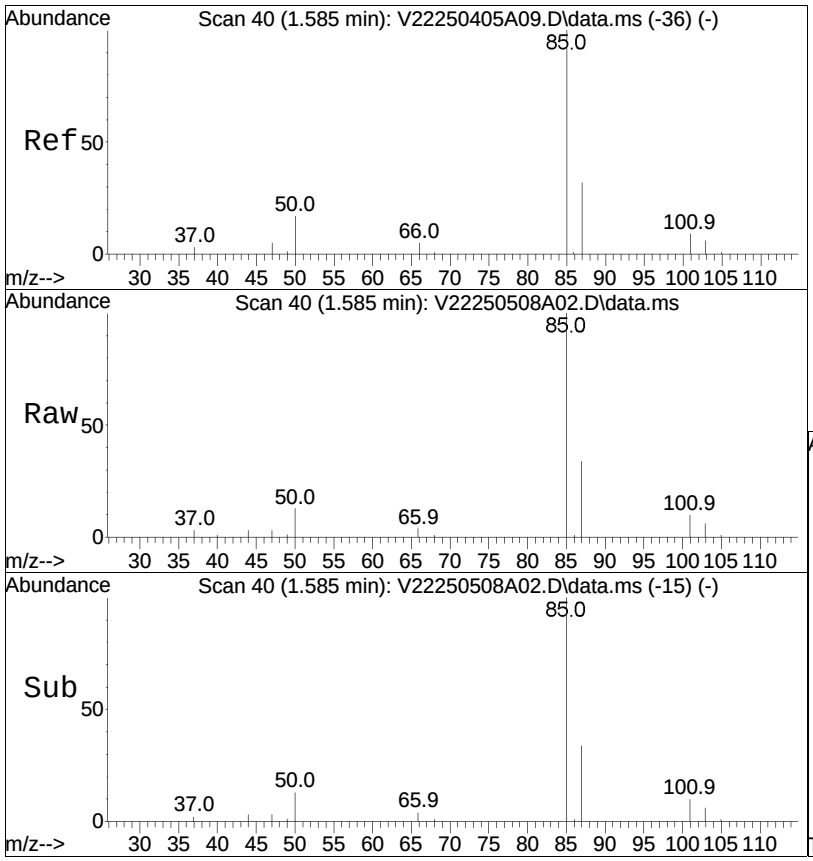
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A02.D
Acq On : 08 May 2025 08:08 am
Operator : VOA122:mjv
Sample : WG2065078-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 09:50:26 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODOD•

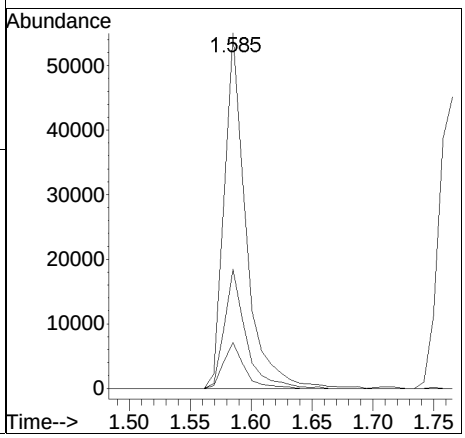


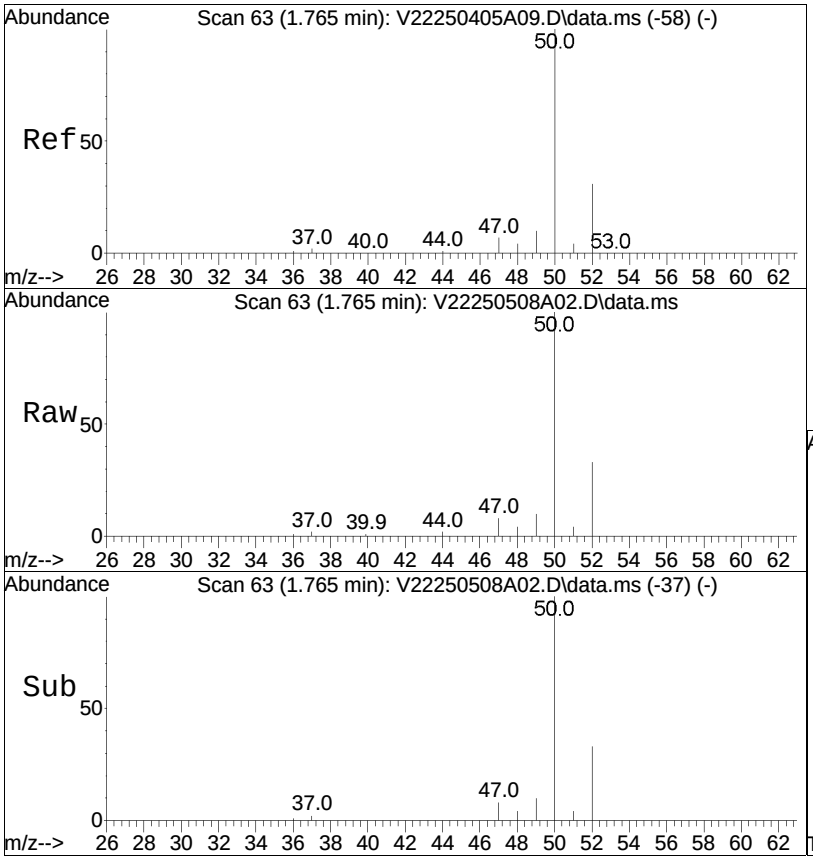


#2
Dichlorodifluoromethane
Concen: 10.39 ug/L
RT: 1.585 min Scan# 40
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 85 Resp: 68813

Ion	Ratio	Lower	Upper
85	100		
87	32.9	21.0	43.6
50	12.4	9.9	20.7

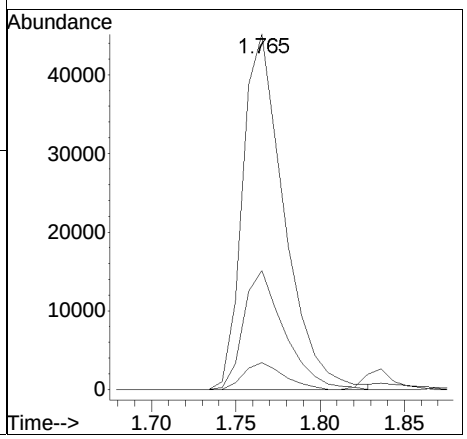


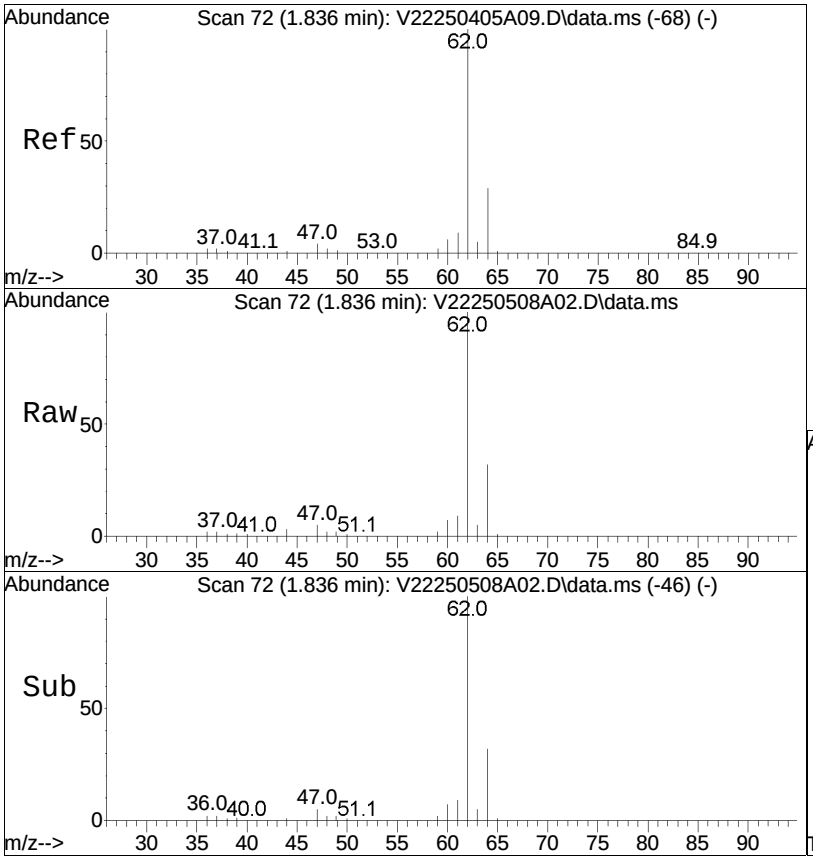


#3
Chloromethane
Concen: 8.37 ug/L
RT: 1.765 min Scan# 63
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 50 Resp: 77451

Ion	Ratio	Lower	Upper
50	100		
52	32.9	11.6	51.6
47	7.3	0.0	27.4

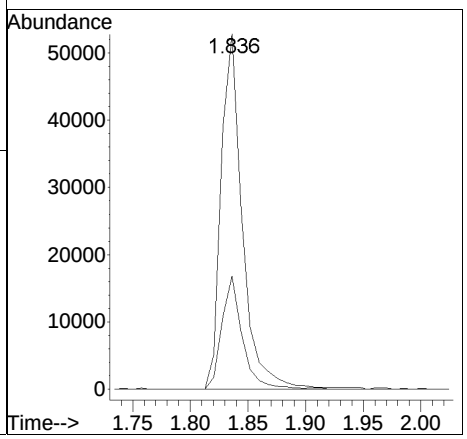


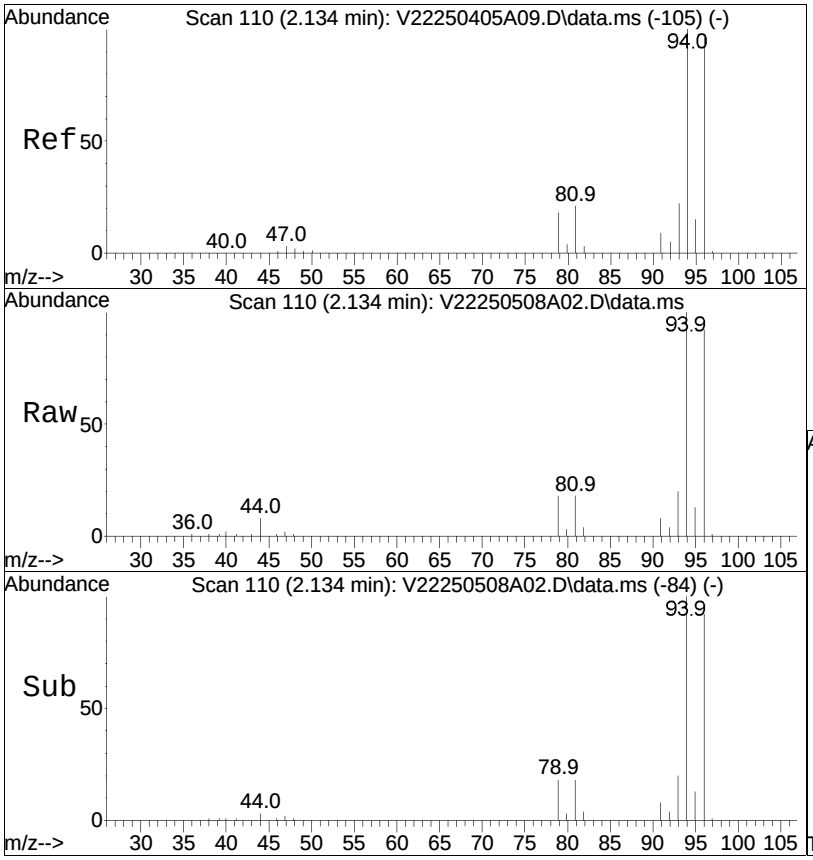


#4
Vinyl chloride
Concen: 8.51 ug/L
RT: 1.836 min Scan# 72
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 62 Resp: 68545

Ion	Ratio	Lower	Upper
62	100		
64	30.8	9.3	49.3

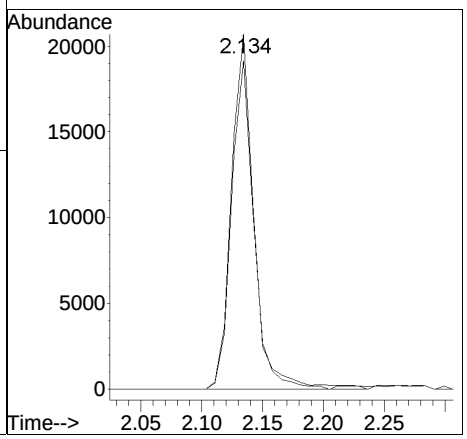


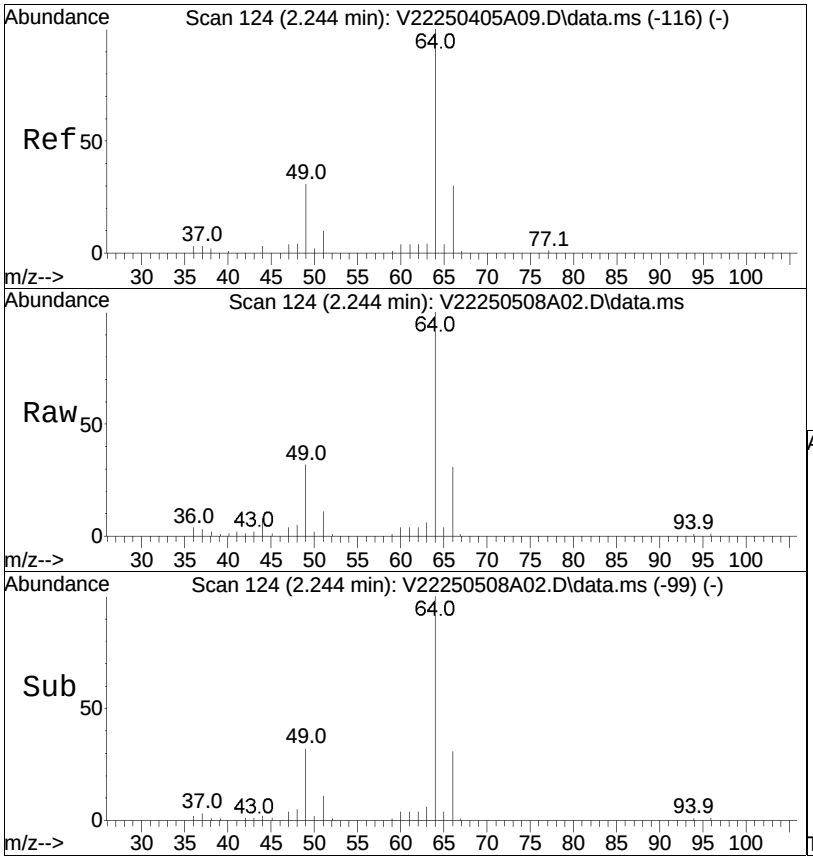


#5
Bromomethane
Concen: 10.67 ug/L
RT: 2.134 min Scan# 110
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 94 Resp: 26884

Ion	Ratio	Lower	Upper
94	100		
96	91.3	75.3	115.3

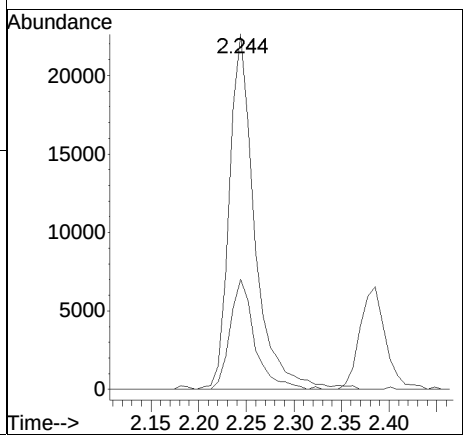


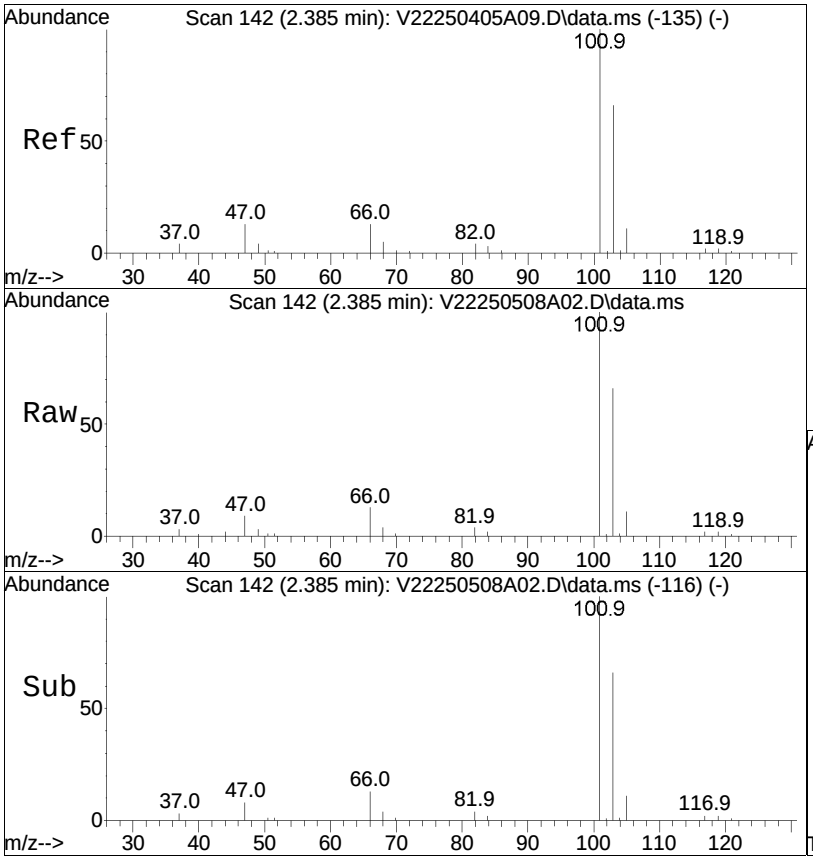


#6
Chloroethane
Concen: 10.19 ug/L
RT: 2.244 min Scan# 124
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 64 Resp: 42203

Ion	Ratio	Lower	Upper
64	100		
66	30.0	11.2	51.2

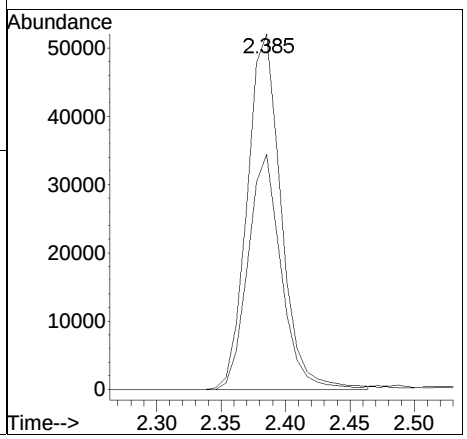


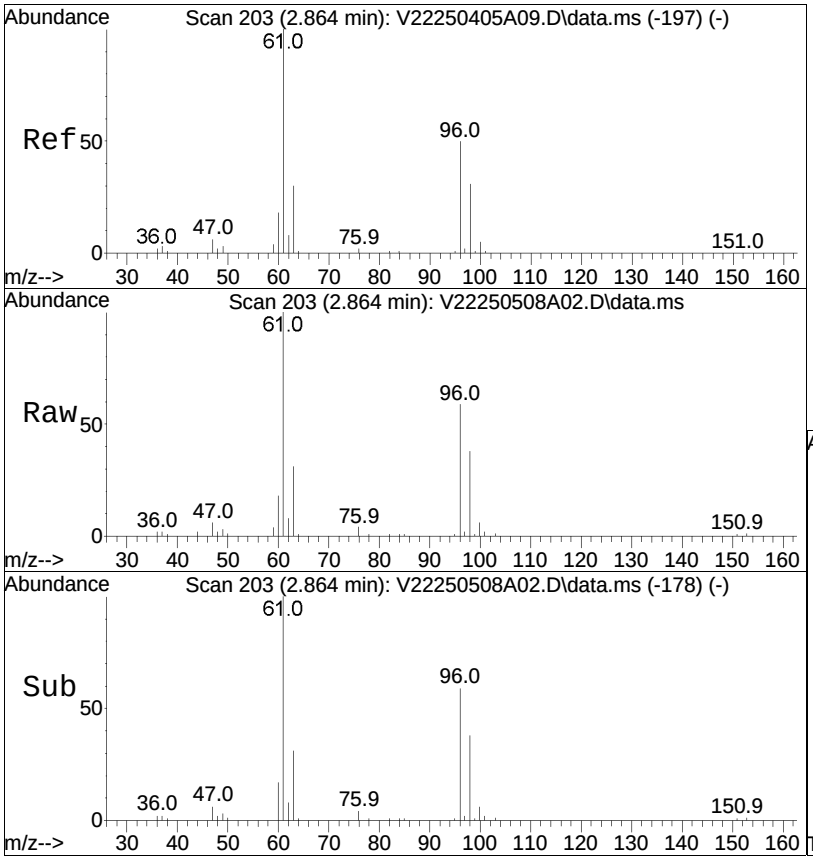


#7
Trichlorofluoromethane
Concen: 12.38 ug/L
RT: 2.385 min Scan# 142
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:101 Resp: 95468

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

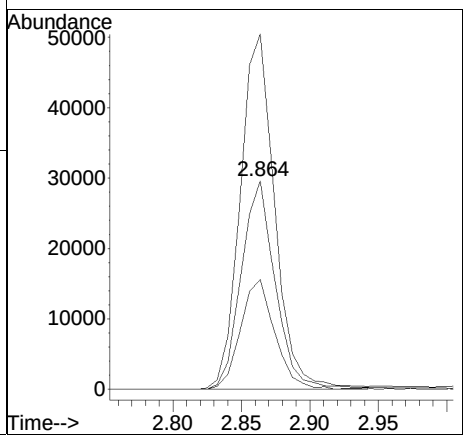


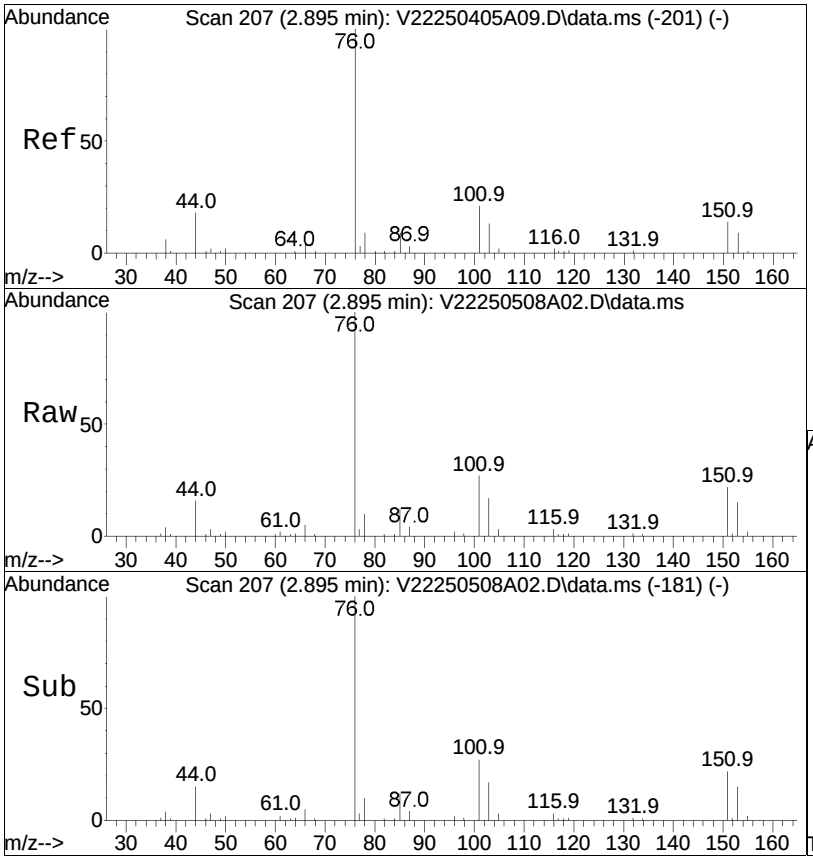


#10
1,1-Dichloroethene
Concen: 11.06 ug/L
RT: 2.864 min Scan# 203
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 96 Resp: 51473

Ion	Ratio	Lower	Upper
96	100		
61	172.6	159.0	238.4
63	52.9	48.7	73.1

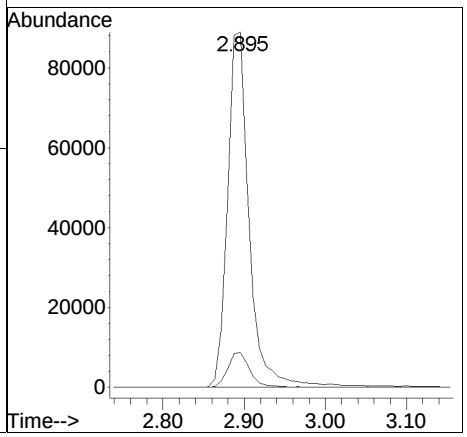


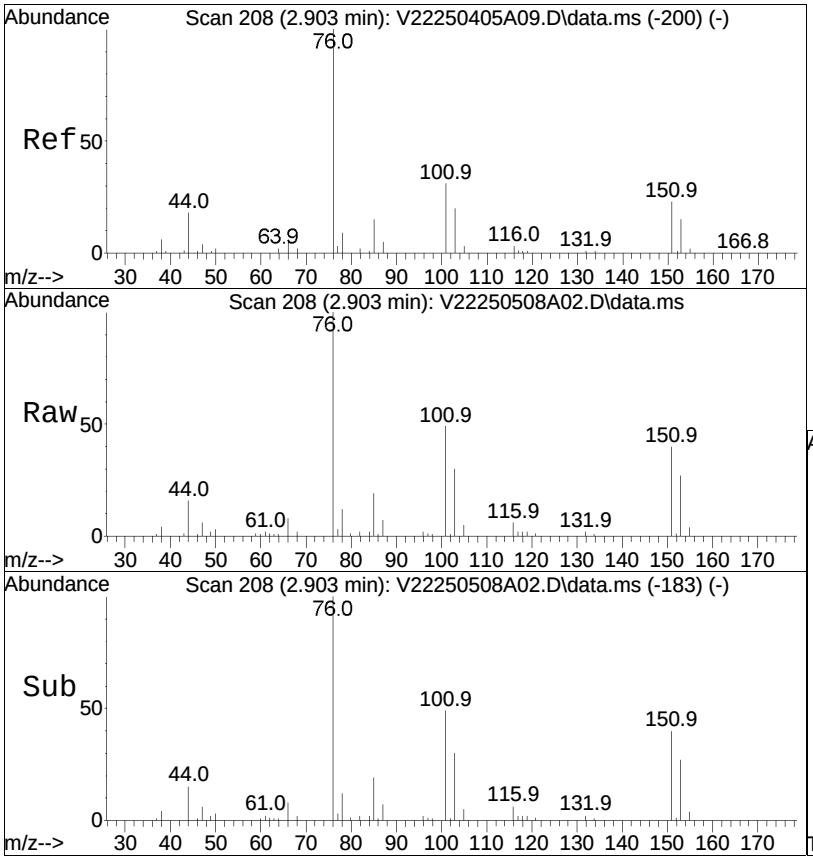


#11
Carbon disulfide
Concen: 9.86 ug/L
RT: 2.895 min Scan# 207
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 76 Resp: 165384

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.2	12.8

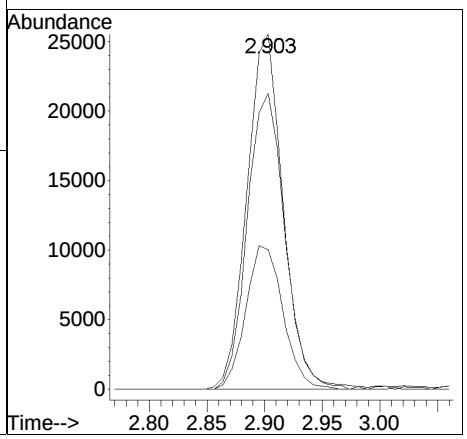


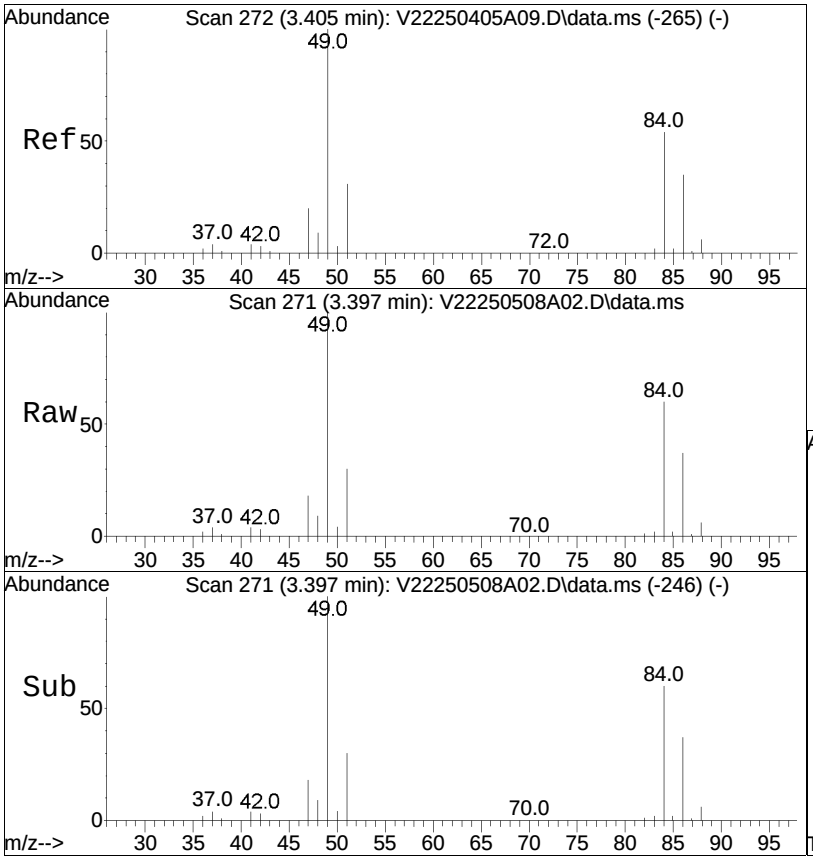


#12
Freon-113
Concen: 11.58 ug/L
RT: 2.903 min Scan# 208
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:101 Resp: 55957

Ion	Ratio	Lower	Upper
101	100		
151	86.3	58.3	87.5
85	41.5	35.3	52.9

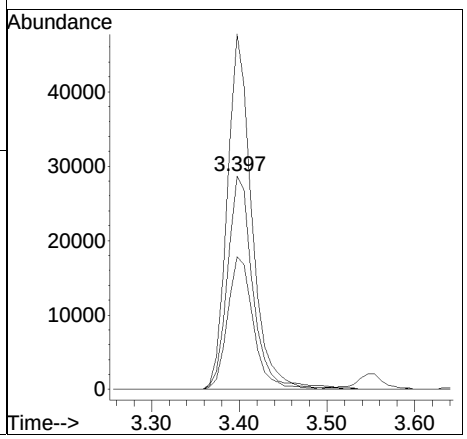


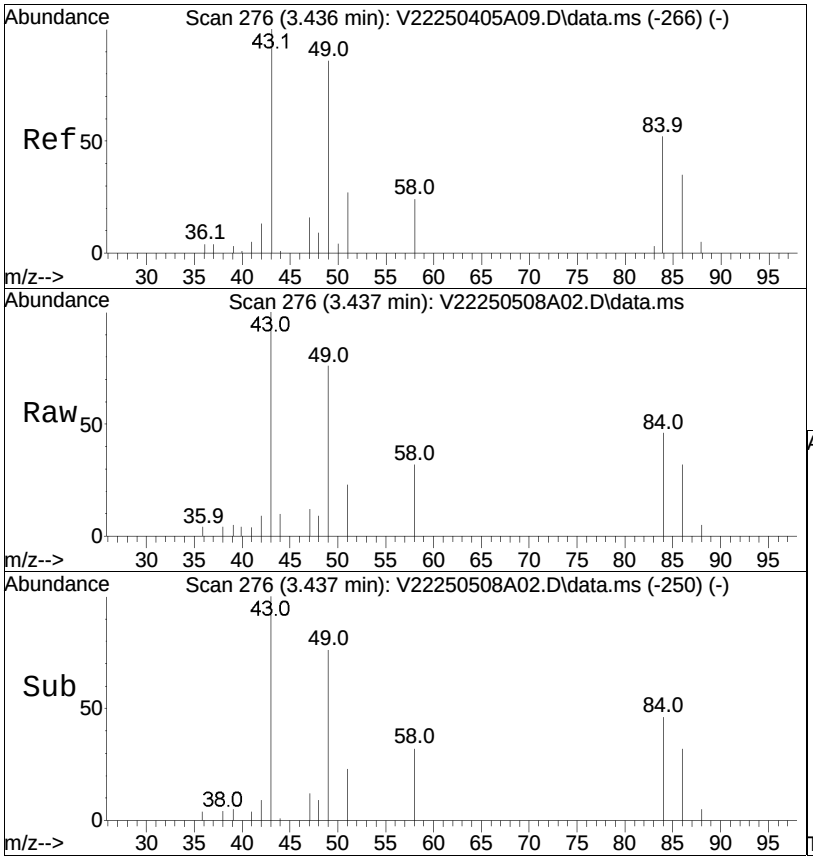


#15
Methylene chloride
Concen: 10.18 ug/L
RT: 3.397 min Scan# 271
Delta R.T. -0.008 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 84 Resp: 57816

Ion	Ratio	Lower	Upper
84	100		
86	62.9	42.3	87.9
49	161.2	121.1	251.5

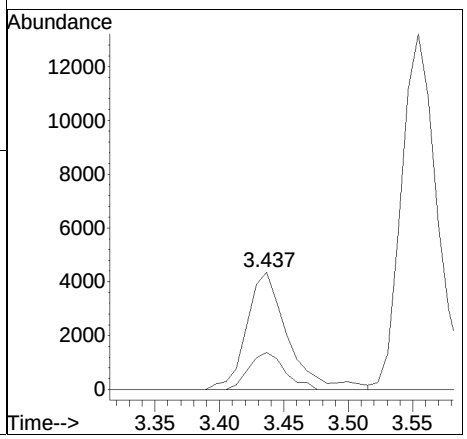


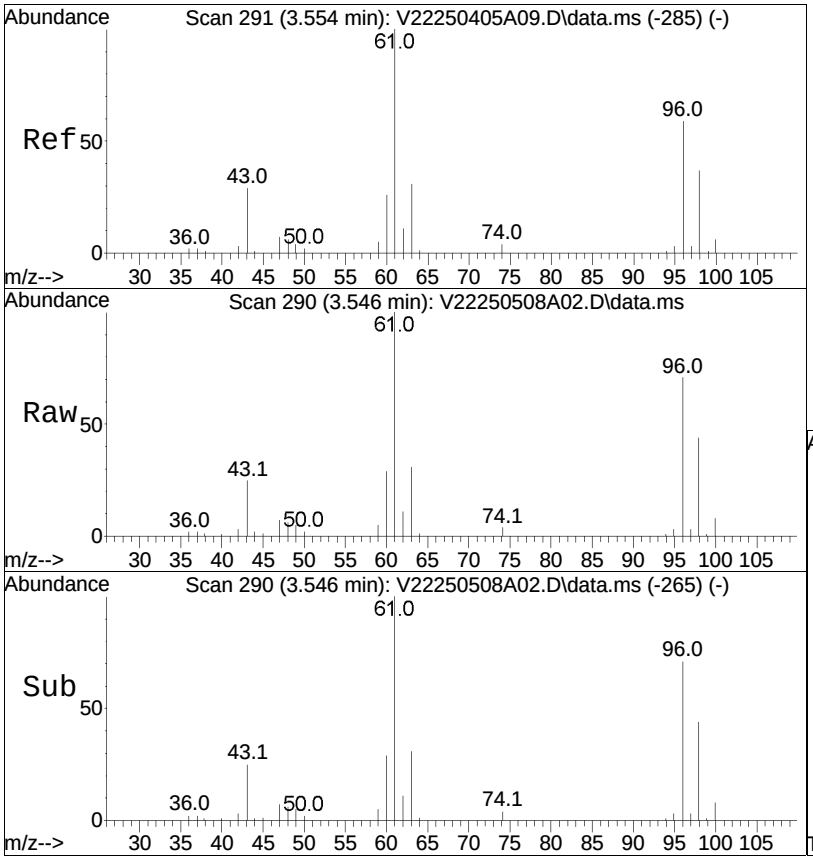


#17
Acetone
Concen: 8.31 ug/L
RT: 3.437 min Scan# 276
Delta R.T. 0.001 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 43 Resp: 9650

Ion	Ratio	Lower	Upper
43	100		
58	27.6	20.0	30.0

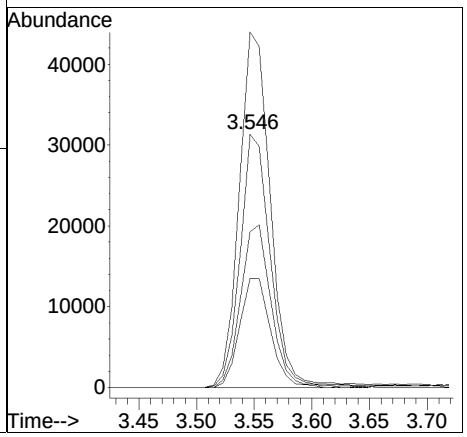


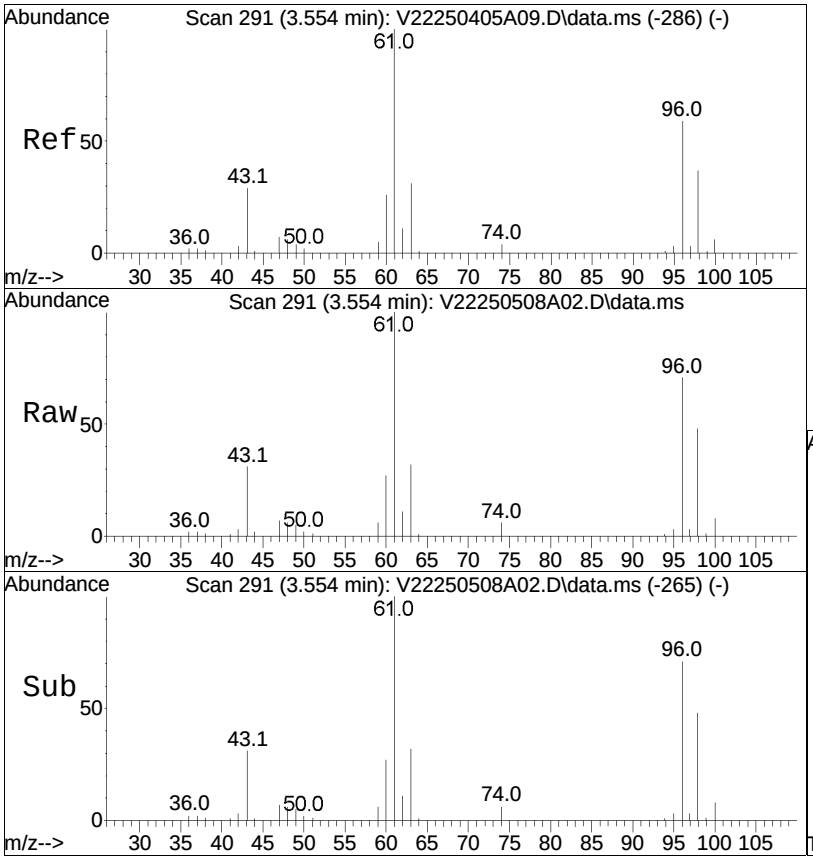


#18
trans-1,2-Dichloroethene
Concen: 10.70 ug/L
RT: 3.546 min Scan# 290
Delta R.T. -0.008 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 96 Resp: 57067

Ion	Ratio	Lower	Upper
96	100		
61	145.0	110.0	228.6
98	64.9	41.0	85.2
63	44.1	34.1	70.7

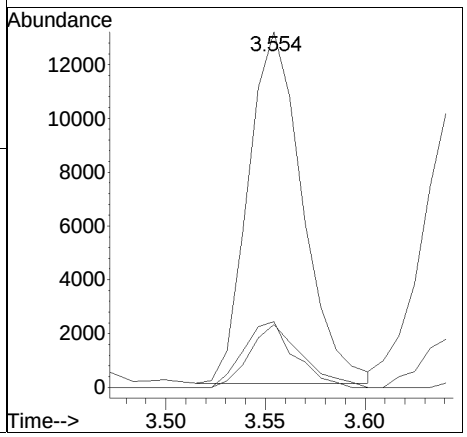


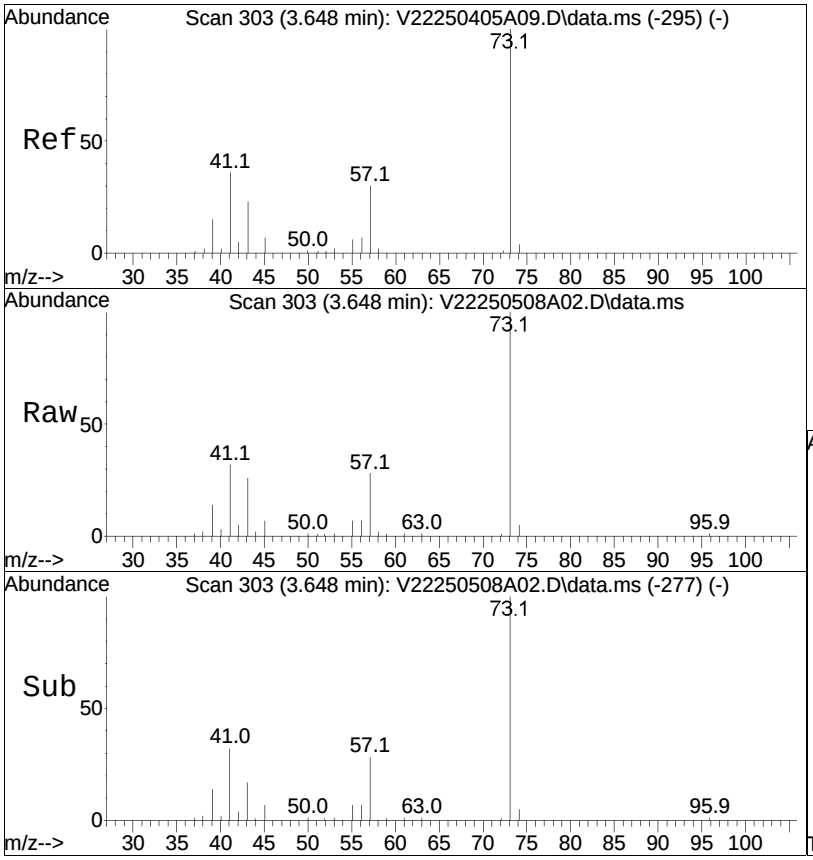


#19
Methyl acetate
Concen: 8.06 ug/L
RT: 3.554 min Scan# 291
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 43 Resp: 24795

Ion	Ratio	Lower	Upper
43	100		
74	17.3	12.2	18.2
59	17.6	13.8	20.8

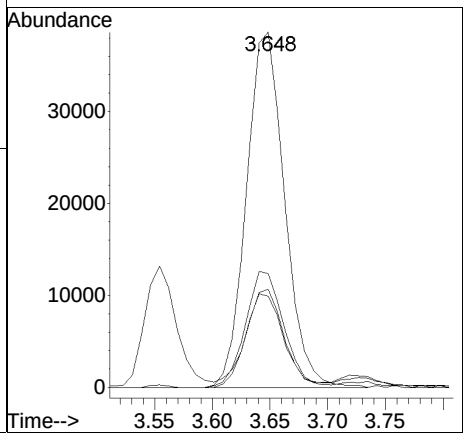


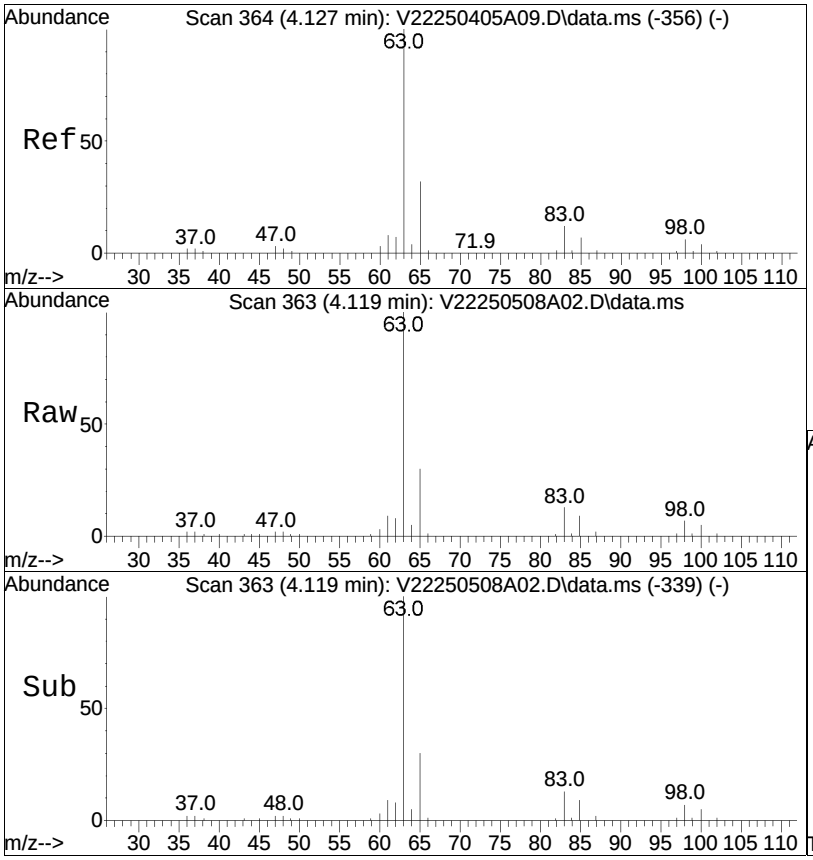


#21
Methyl tert-butyl ether
Concen: 8.85 ug/L
RT: 3.648 min Scan# 303
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 73 Resp: 89029

Ion	Ratio	Lower	Upper
73	100		
57	27.2	18.3	38.1
43	26.7	17.9	37.3
41	33.2	22.9	47.5

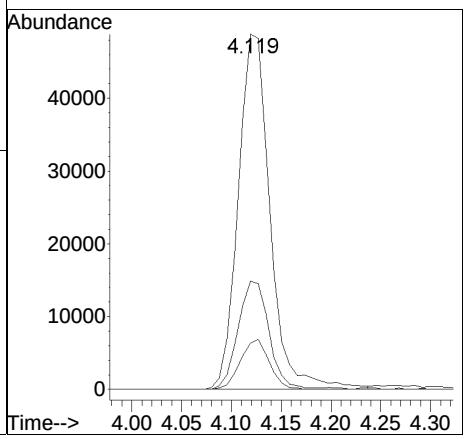


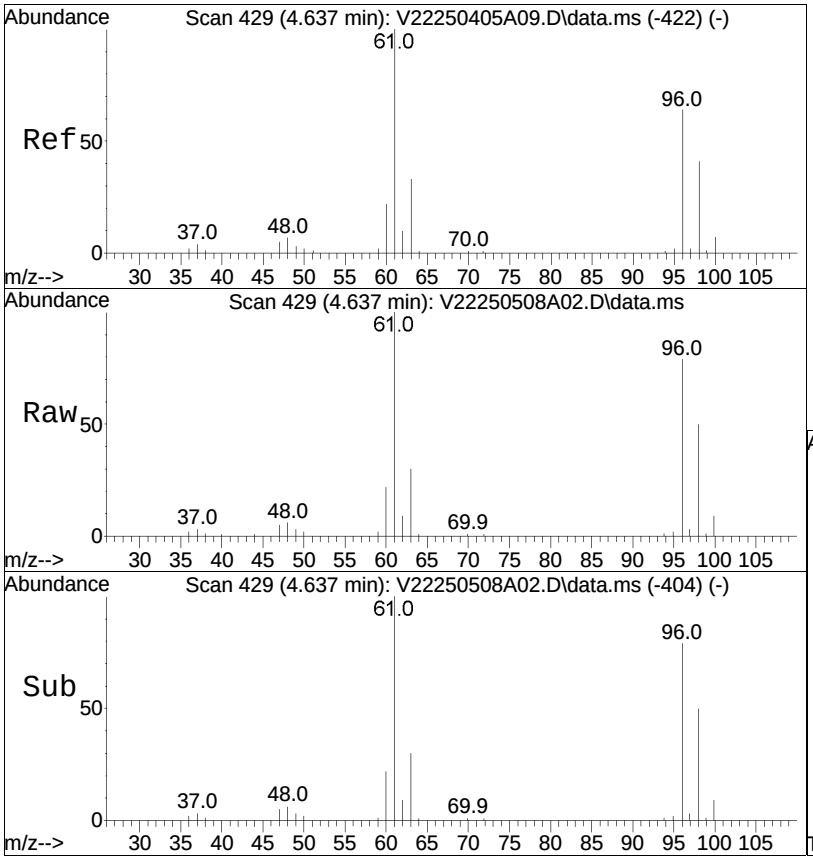


#25
1,1-Dichloroethane
Concen: 9.29 ug/L
RT: 4.119 min Scan# 363
Delta R.T. -0.008 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 63 Resp: 108878

Ion	Ratio	Lower	Upper
63	100		
65	29.5	10.1	50.1
83	12.7	0.0	31.2

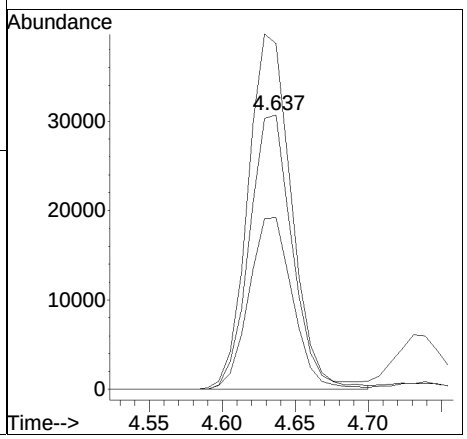


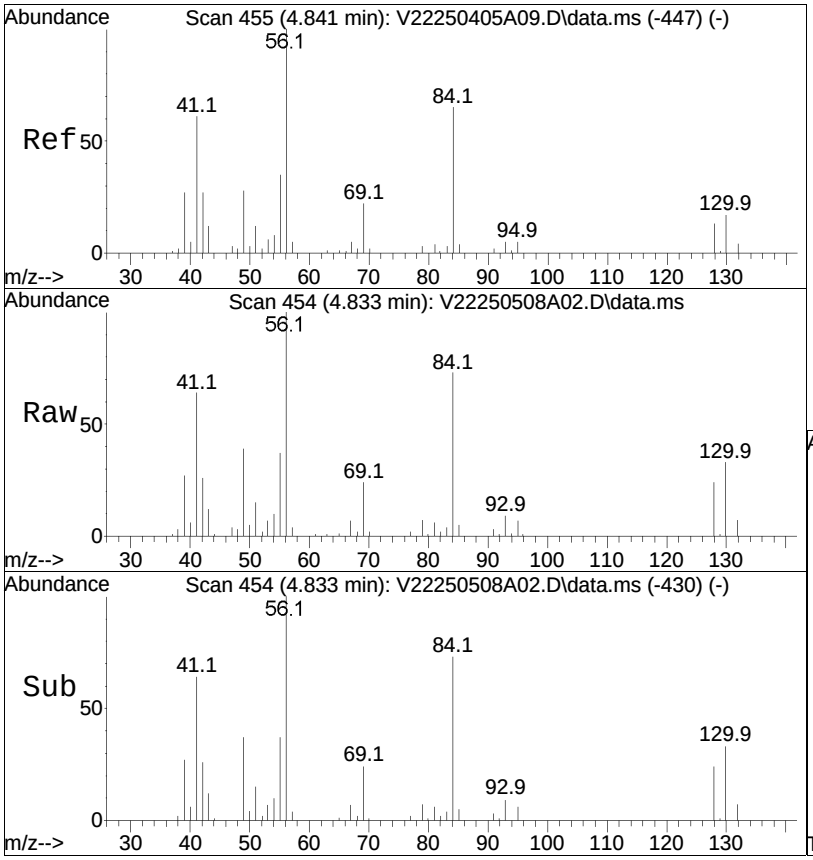


#30
cis-1,2-Dichloroethene
Concen: 11.00 ug/L
RT: 4.637 min Scan# 429
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 96 Resp: 62705

Ion	Ratio	Lower	Upper
96	100		
61	130.6	125.0	187.4
98	63.9	52.2	78.2

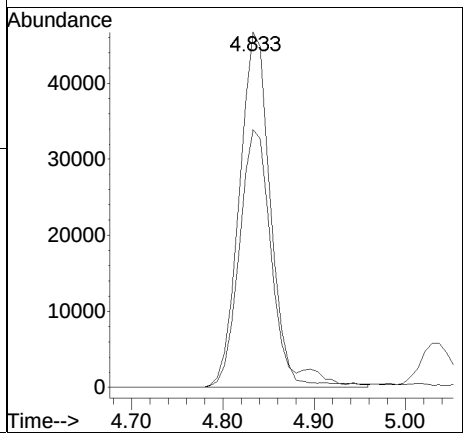


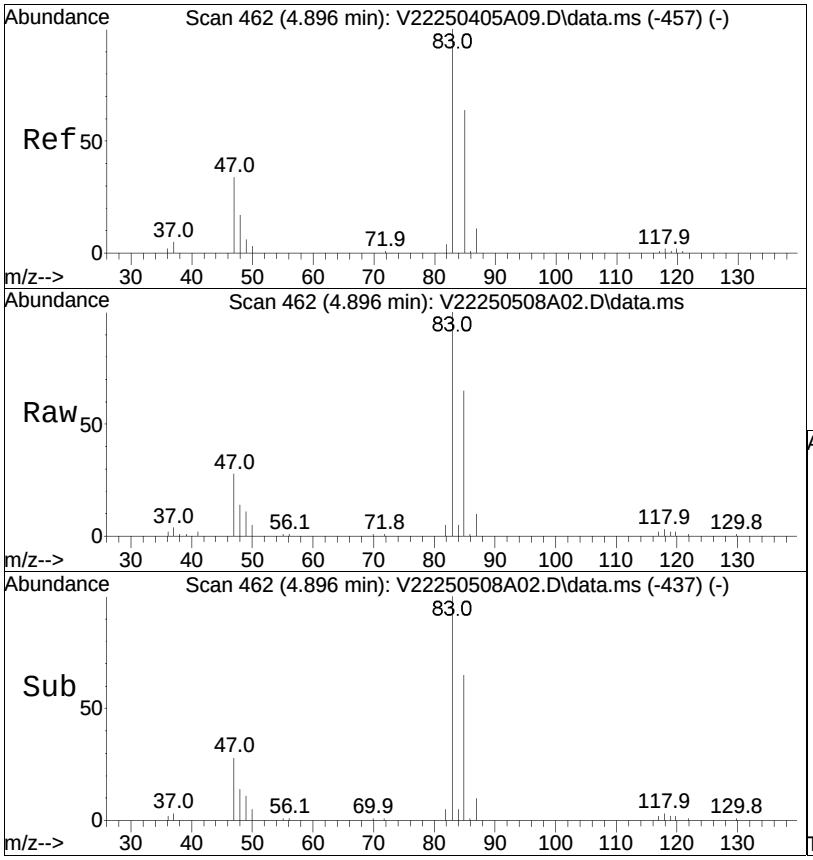


#33
Cyclohexane
Concen: 9.14 ug/L
RT: 4.833 min Scan# 454
Delta R.T. -0.008 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 56 Resp: 110782

Ion	Ratio	Lower	Upper
56	100		
84	72.6	44.9	93.3

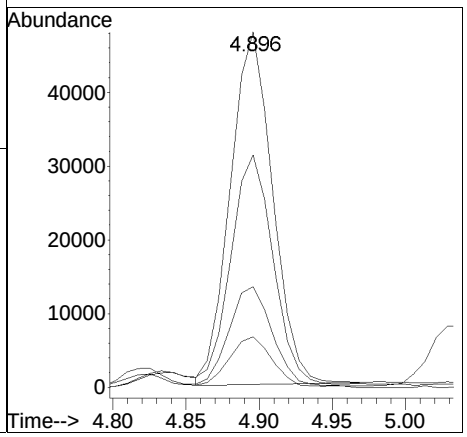


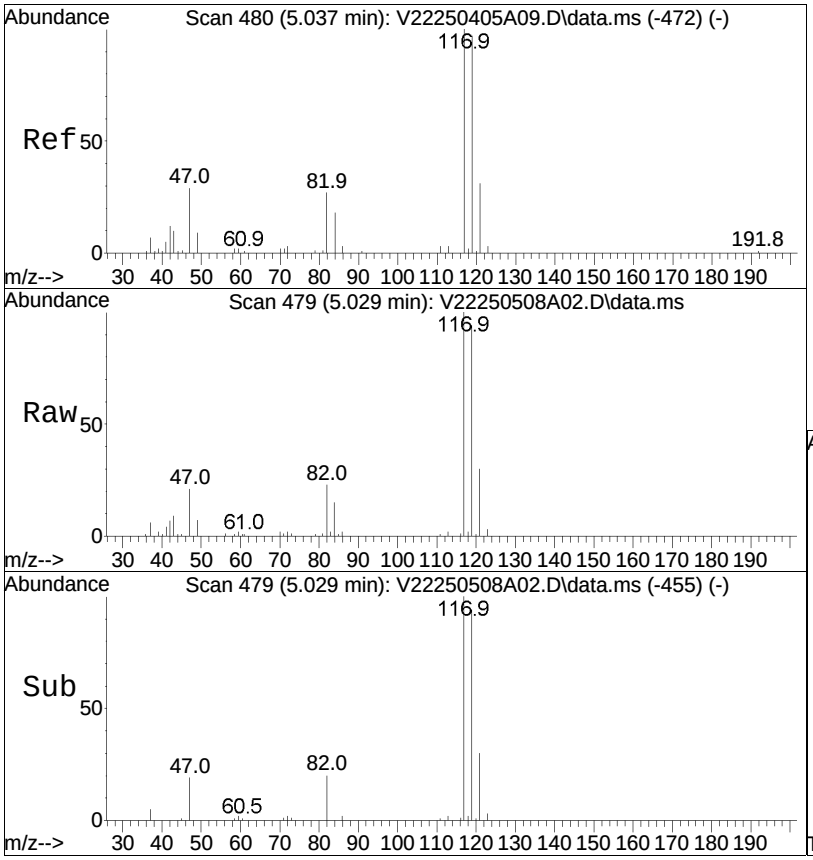


#34
Chloroform
Concen: 9.92 ug/L
RT: 4.896 min Scan# 462
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 83 Resp: 96520

Ion	Ratio	Lower	Upper
83	100		
85	65.2	42.0	87.2
47	28.8	21.5	44.6
48	14.9	10.5	21.7

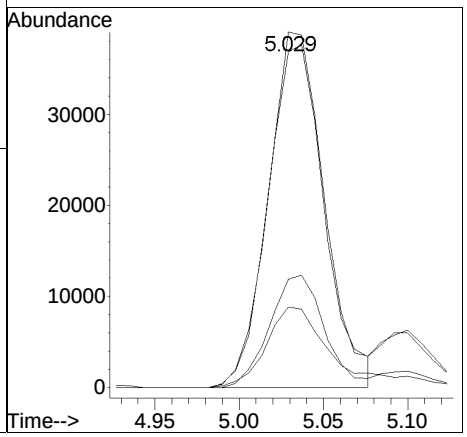


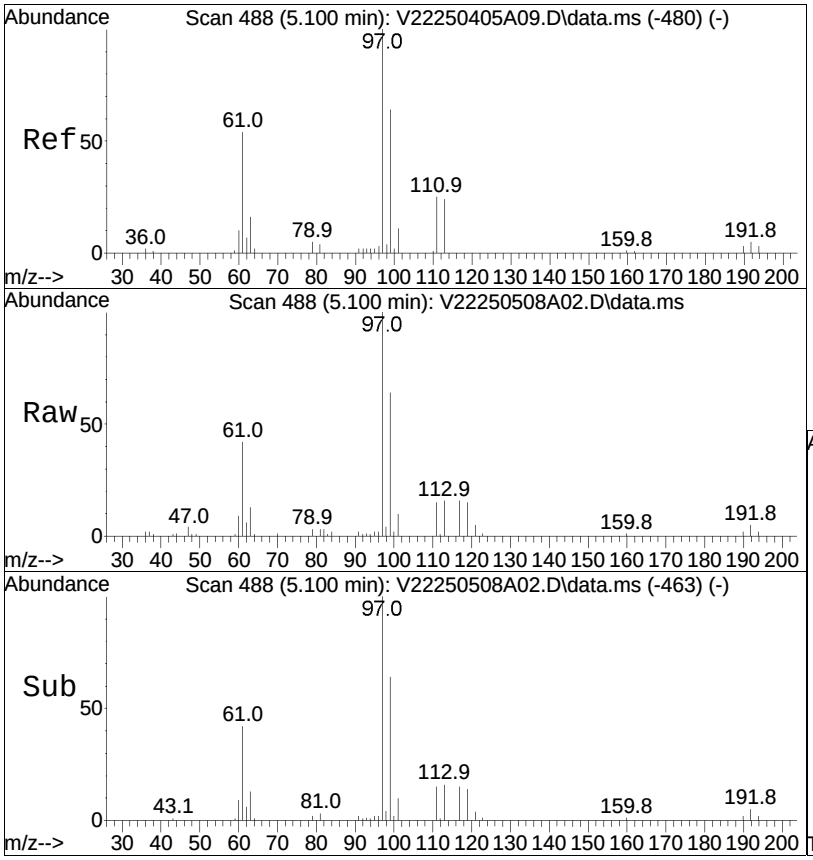


#36
Carbon tetrachloride
Concen: 12.47 ug/L
RT: 5.029 min Scan# 479
Delta R.T. -0.008 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:117 Resp: 90061

Ion	Ratio	Lower	Upper
117	100		
119	97.2	63.0	130.8
121	31.0	20.7	42.9
82	27.4	18.7	38.7

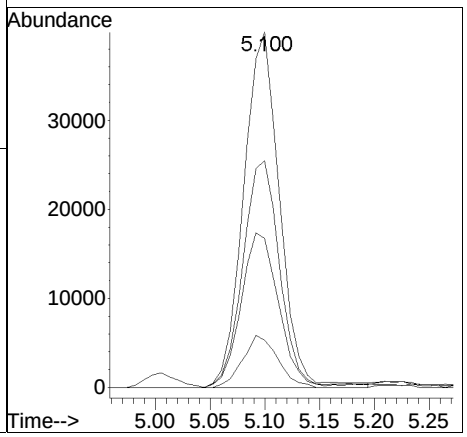


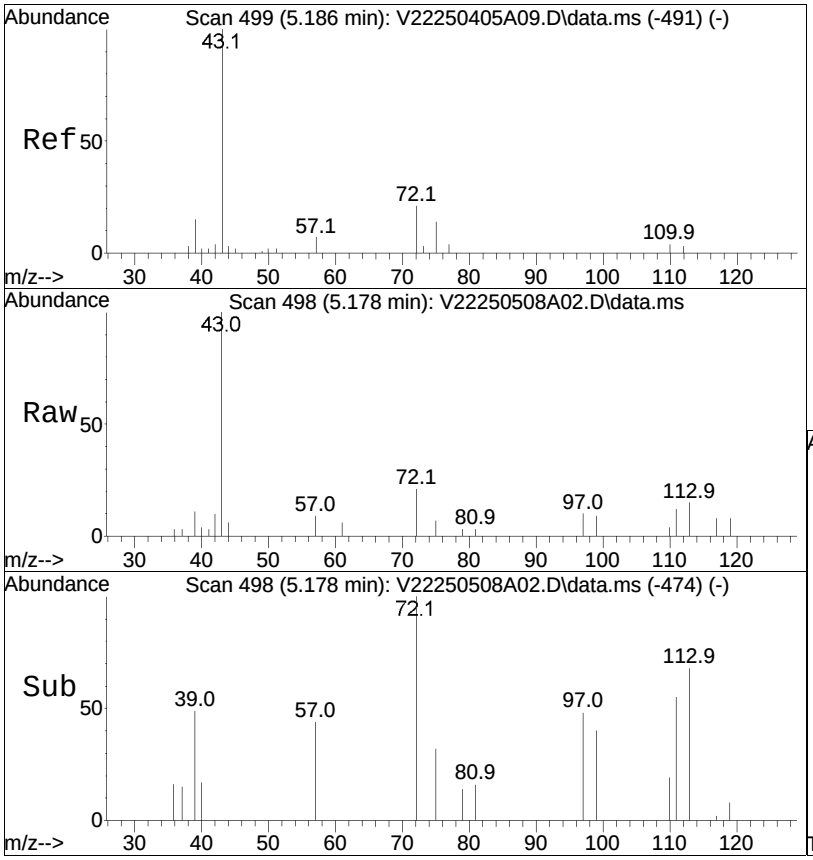


#39
1,1,1-Trichloroethane
Concen: 11.36 ug/L
RT: 5.100 min Scan# 488
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 97 Resp: 91179

Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.6	88.6
61	45.3	34.0	70.6
63	14.2	10.4	21.6

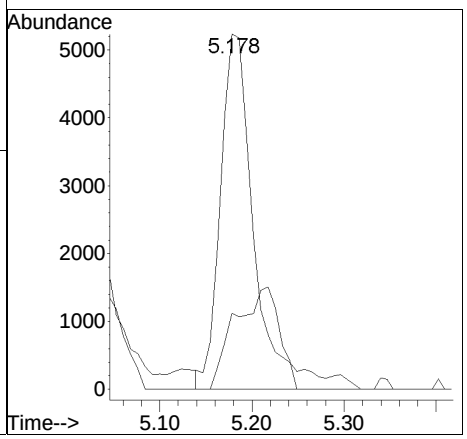


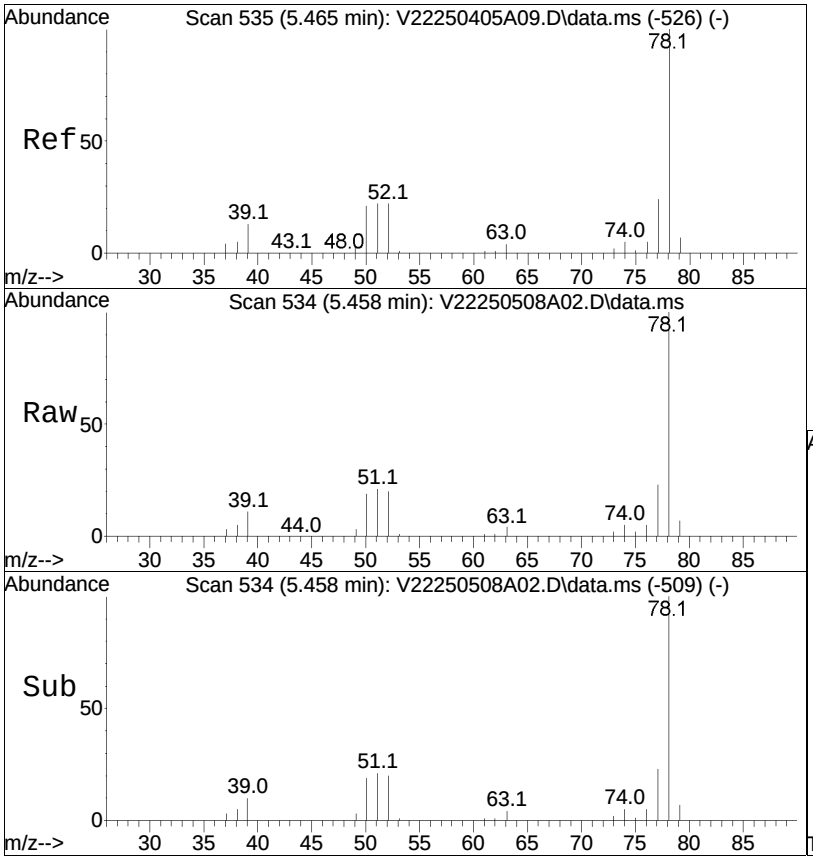


#41
2-Butanone
Concen: 8.89 ug/L
RT: 5.178 min Scan# 498
Delta R.T. -0.008 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 43 Resp: 14485

Ion	Ratio	Lower	Upper
43	100		
72	34.7	10.9	16.3#

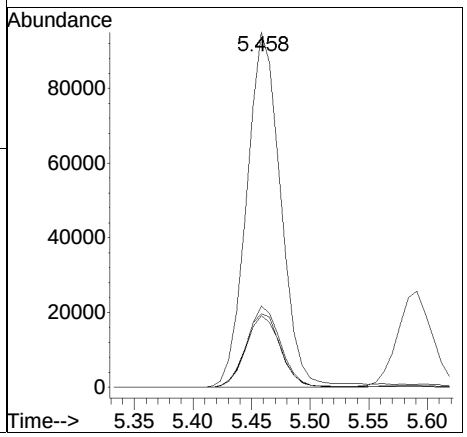


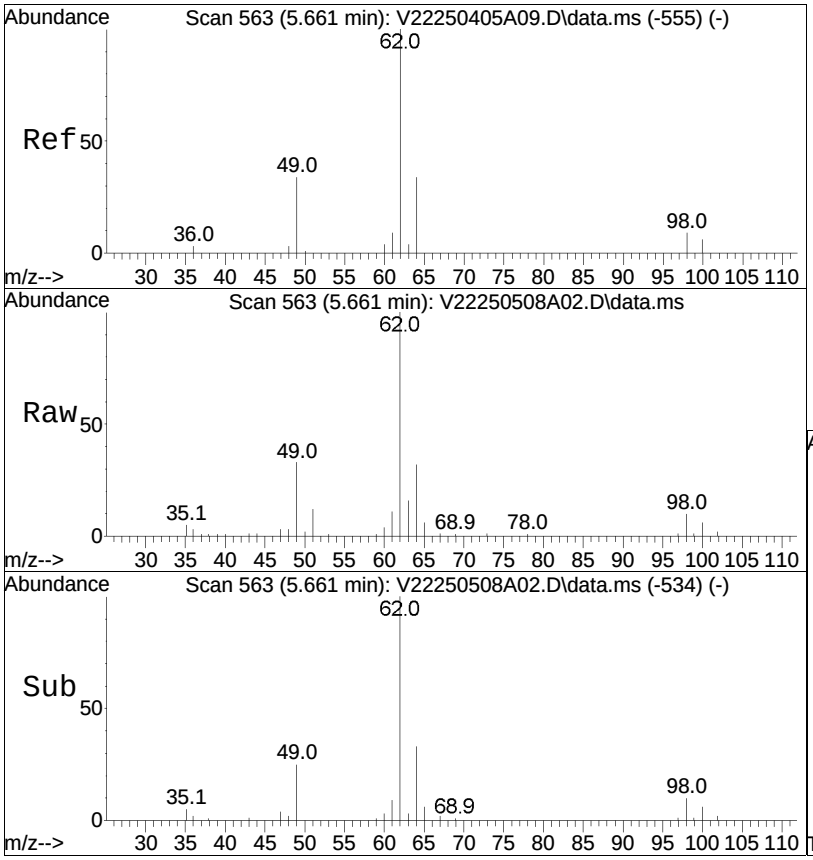


#44
Benzene
Concen: 9.15 ug/L
RT: 5.458 min Scan# 534
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 78 Resp: 192351

Ion	Ratio	Lower	Upper
78	100		
77	22.9	15.5	32.3
51	21.4	14.9	30.9
52	20.8	14.7	30.5

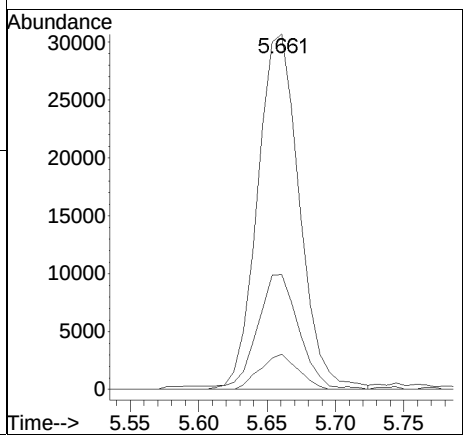


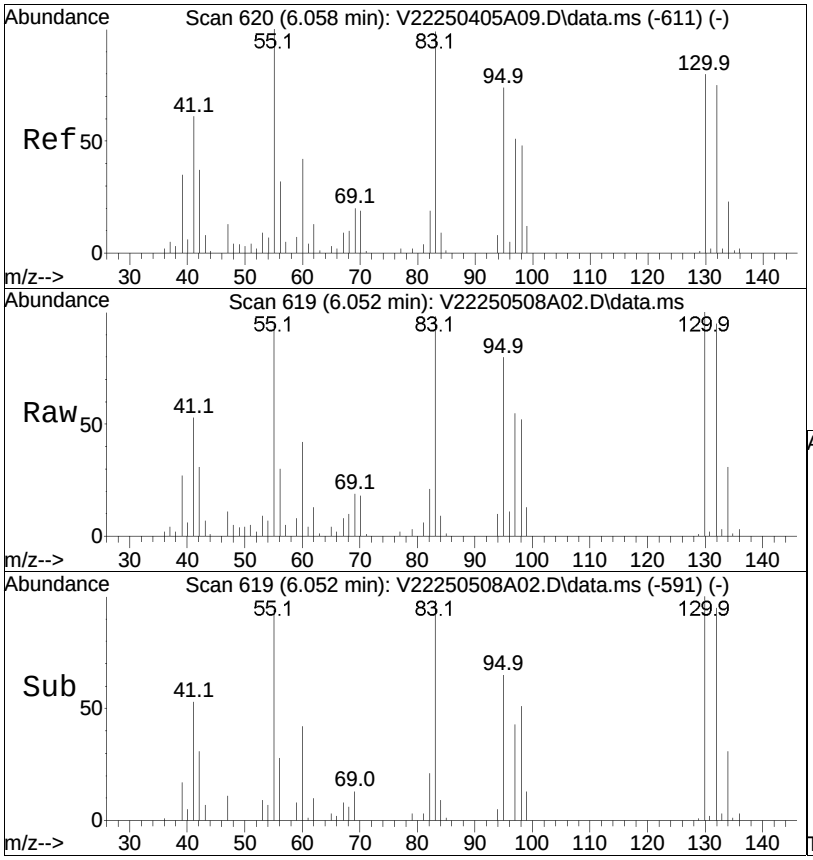


#47
1,2-Dichloroethane
Concen: 9.32 ug/L
RT: 5.661 min Scan# 563
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 62 Resp: 65390

Ion	Ratio	Lower	Upper
62	100		
64	33.1	11.9	51.9
98	9.1	0.0	28.1

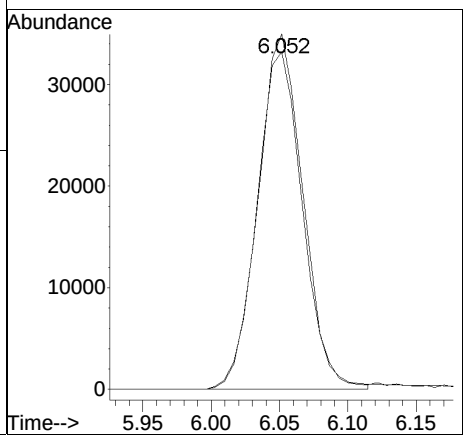


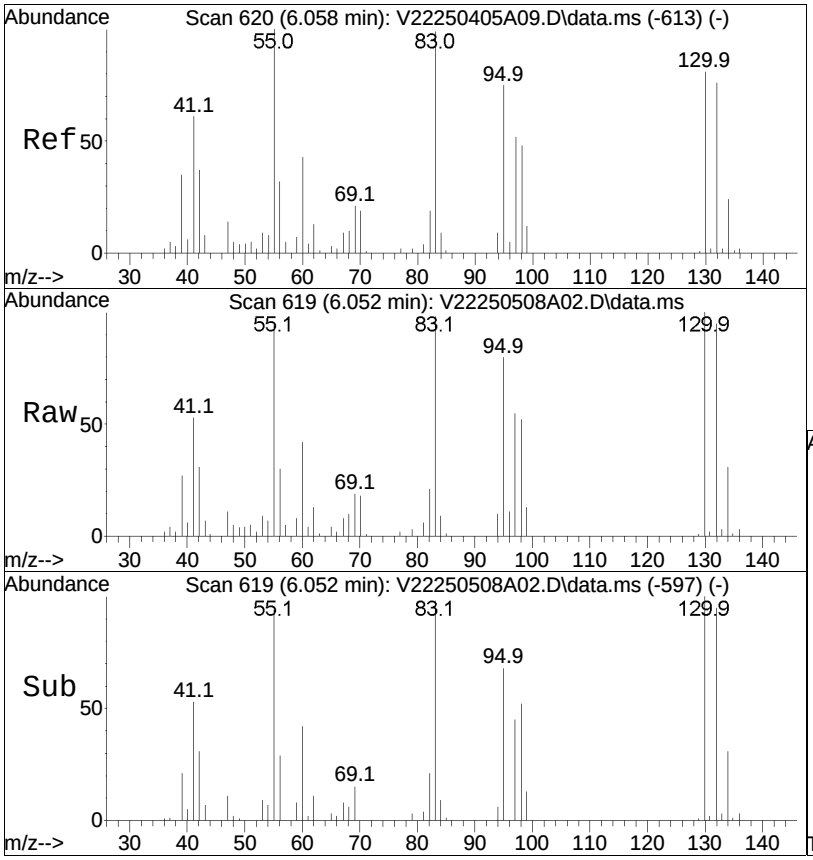


#50
Methyl cyclohexane
Concen: 8.34 ug/L
RT: 6.052 min Scan# 619
Delta R.T. -0.006 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 83 Resp: 79647

Ion	Ratio	Lower	Upper
83	100		
55	97.8	81.9	122.9

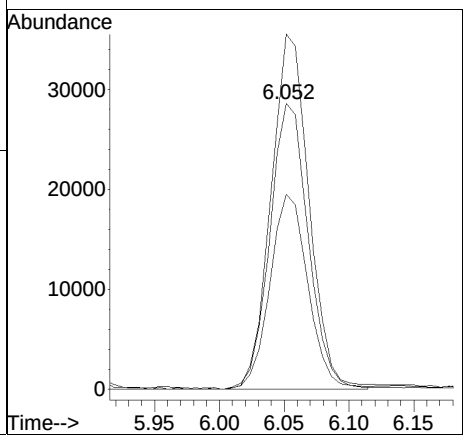


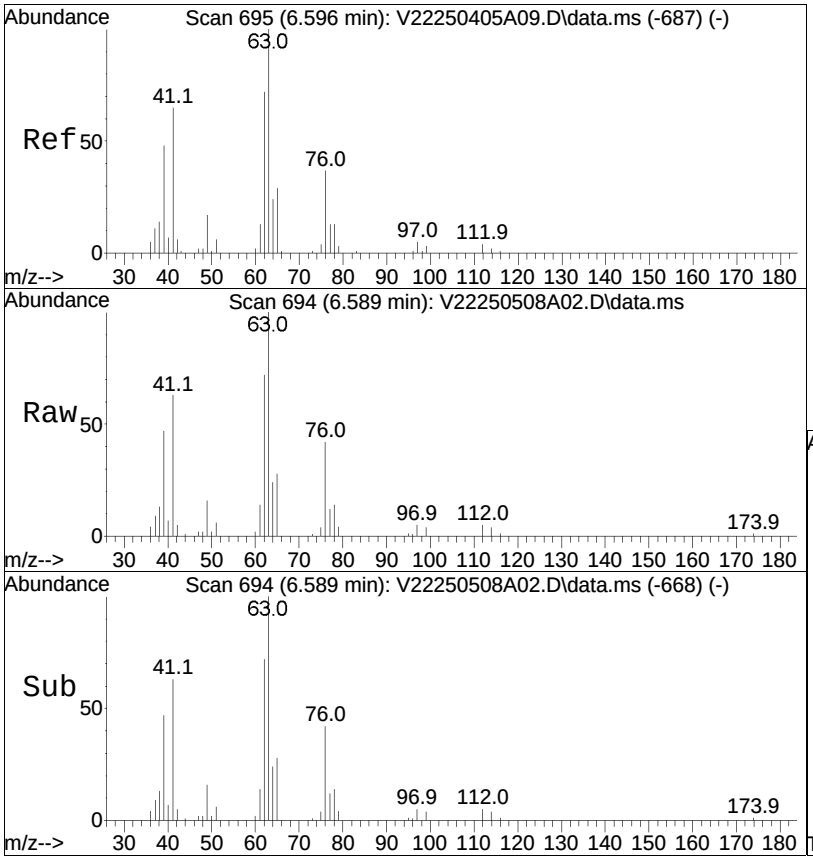


#51
Trichloroethene
Concen: 10.34 ug/L
RT: 6.052 min Scan# 619
Delta R.T. -0.006 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 95 Resp: 59138

Ion	Ratio	Lower	Upper
95	100		
97	67.7	54.8	82.2
130	124.9	84.5	126.7

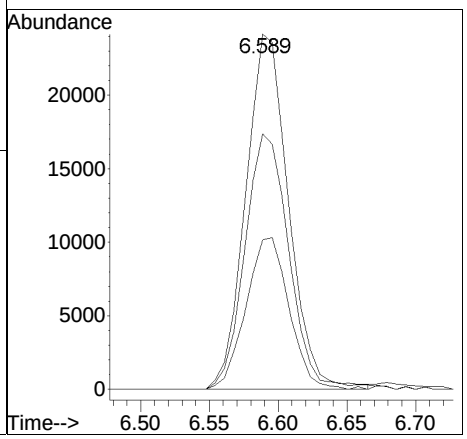


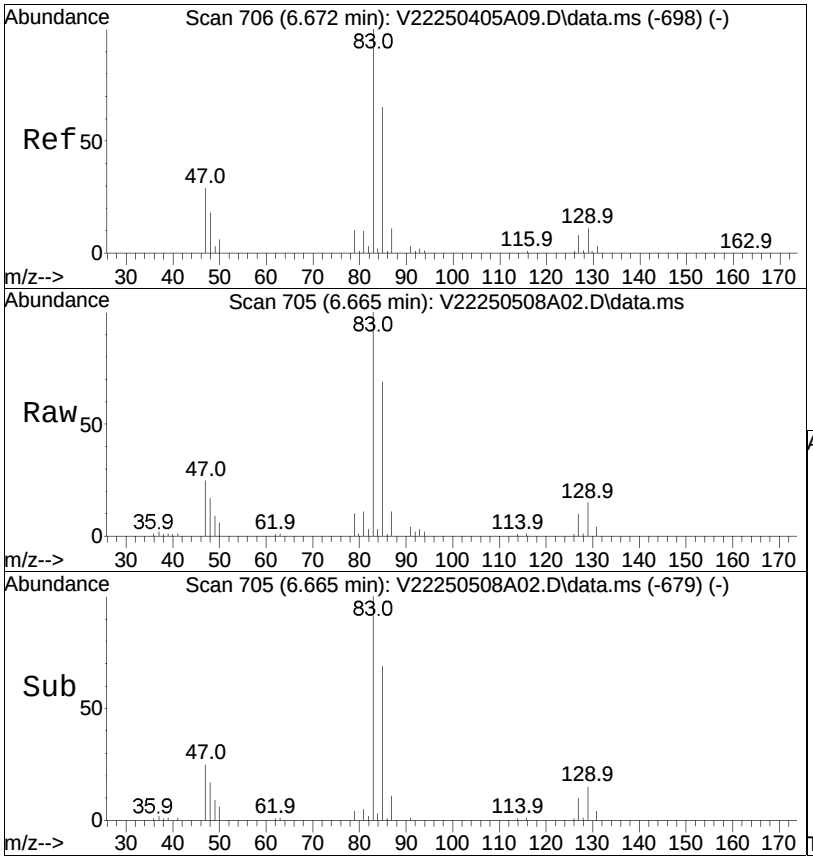


#54
1,2-Dichloropropane
Concen: 8.49 ug/L
RT: 6.589 min Scan# 694
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 63 Resp: 52424

Ion	Ratio	Lower	Upper
63	100		
62	74.0	56.5	84.7
76	42.9	28.9	43.3

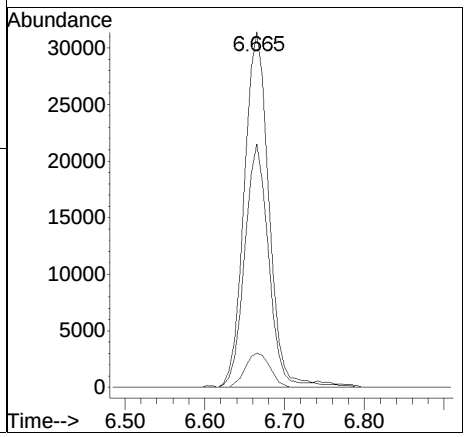


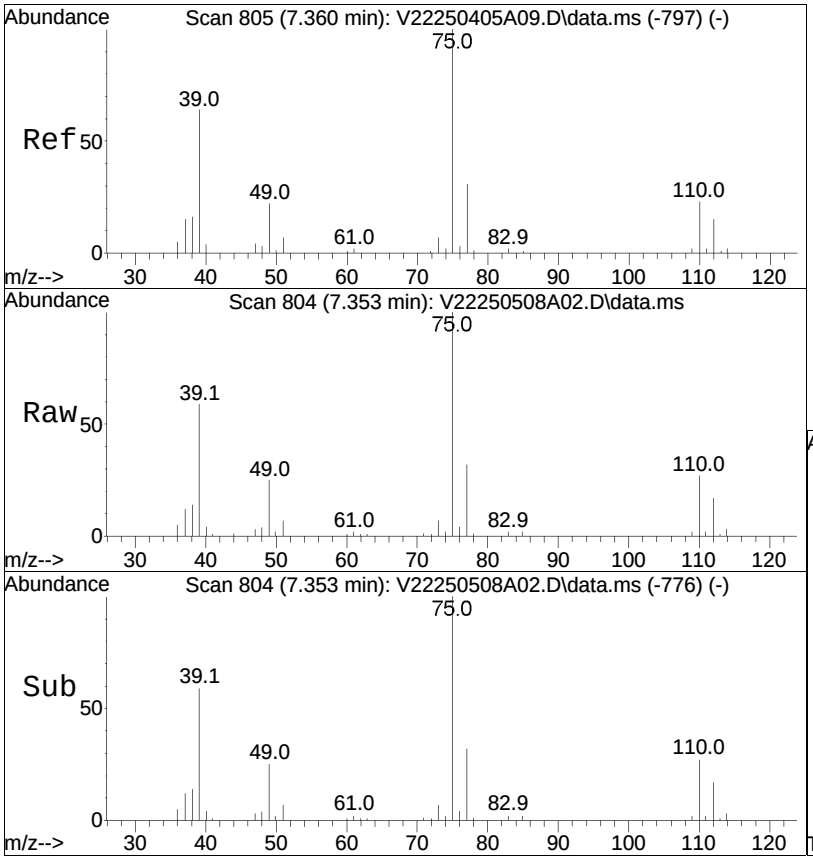


#57
Bromodichloromethane
Concen: 9.78 ug/L
RT: 6.665 min Scan# 705
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 83 Resp: 68288

Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.7	76.1
127	9.6	6.5	9.7

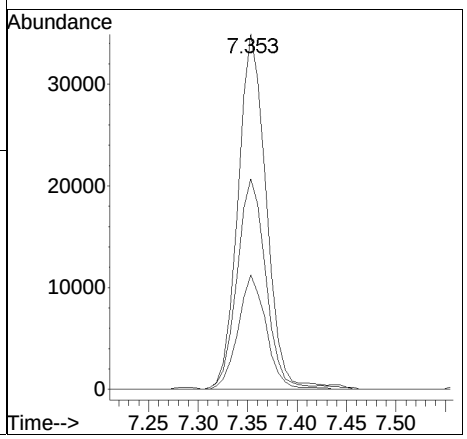


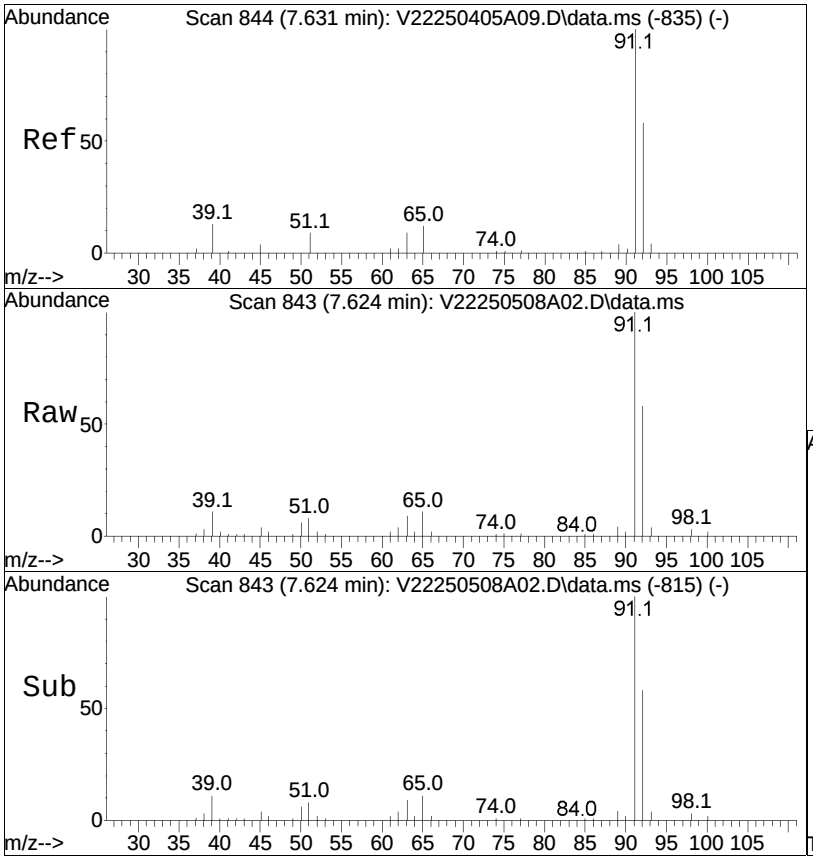


#61
cis-1,3-Dichloropropene
Concen: 9.04 ug/L
RT: 7.353 min Scan# 804
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 75 Resp: 69787

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	60.7	53.9	80.9

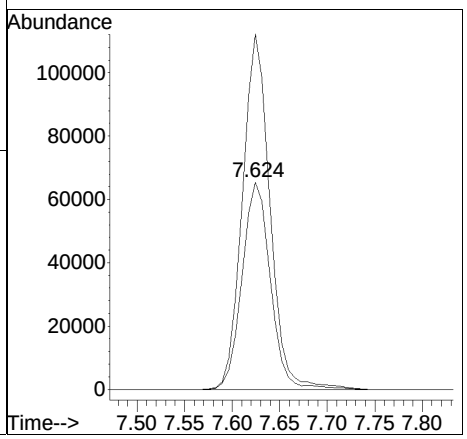


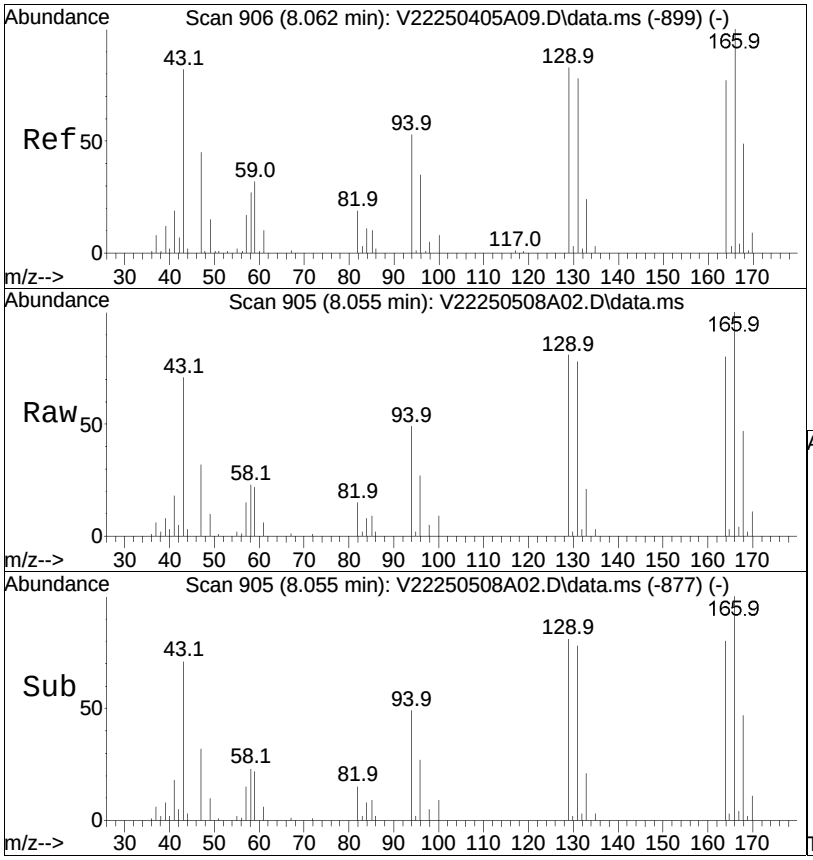


#64
Toluene
Concen: 9.06 ug/L
RT: 7.624 min Scan# 843
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 92 Resp: 135539

Ion	Ratio	Lower	Upper
92	100		
91	166.6	139.3	208.9

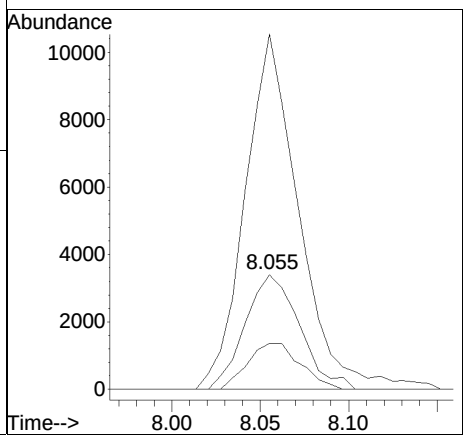


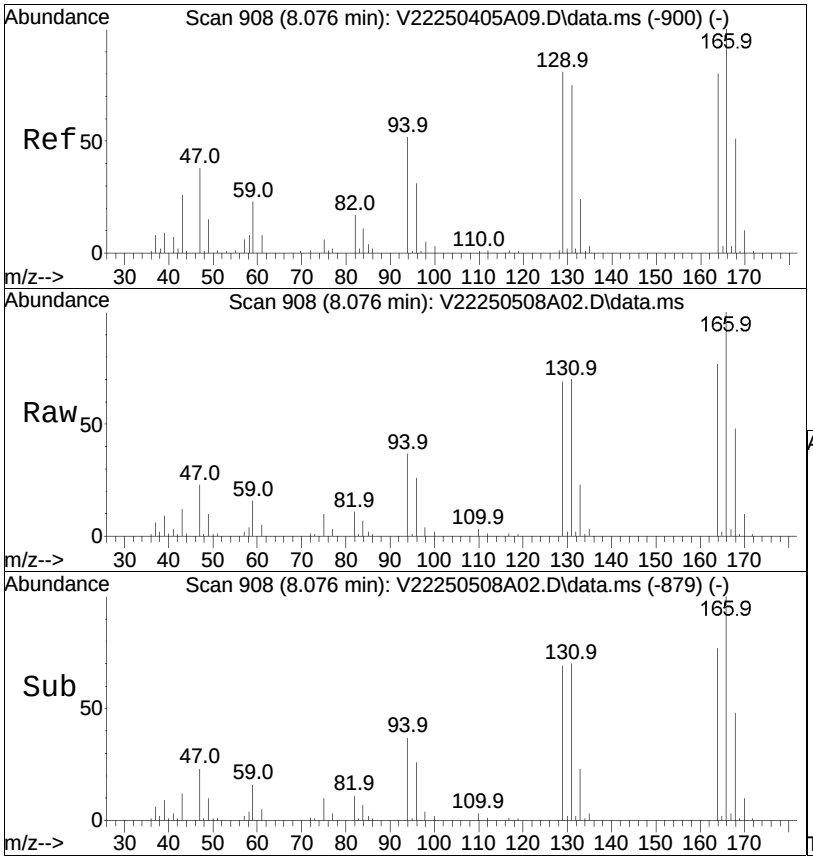


#65
4-Methyl-2-pentanone
Concen: 6.69 ug/L
RT: 8.055 min Scan# 905
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 58 Resp: 7297

Ion	Ratio	Lower	Upper
58	100		
100	39.1	22.6	33.8#
43	306.7	243.1	364.7

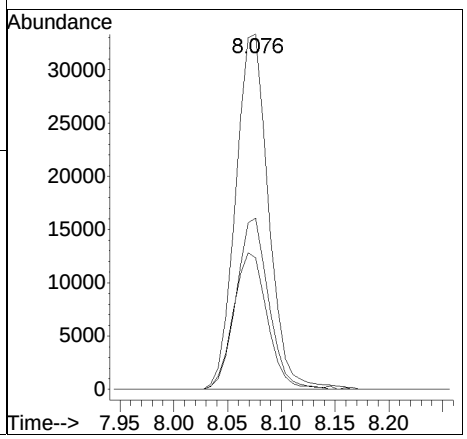


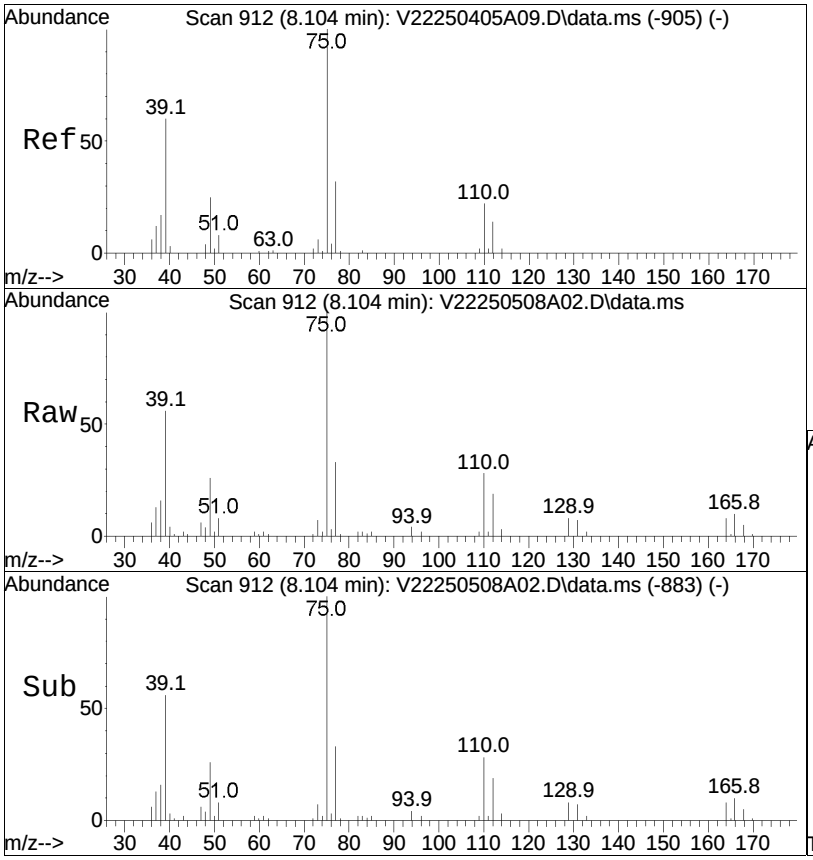


#66
Tetrachloroethene
Concen: 11.76 ug/L
RT: 8.076 min Scan# 908
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:166 Resp: 71245

Ion	Ratio	Lower	Upper
166	100		
168	47.7	30.6	70.6
94	39.6	29.3	69.3

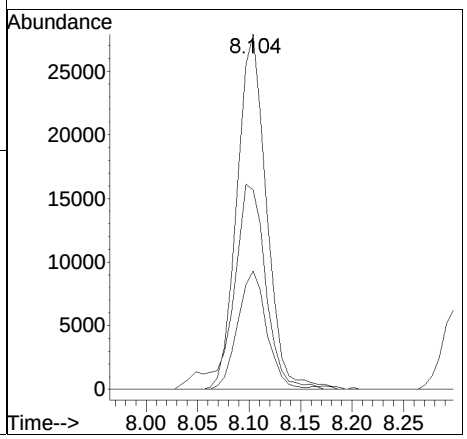


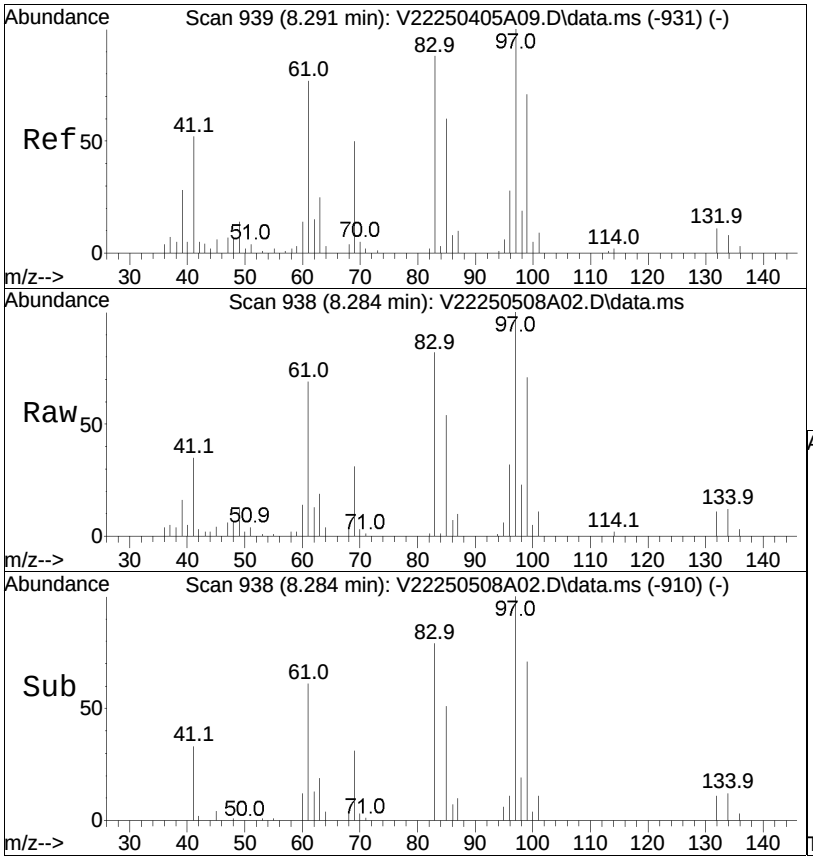


#68
trans-1,3-Dichloropropene
Concen: 7.84 ug/L
RT: 8.104 min Scan# 912
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 75 Resp: 55704

Ion	Ratio	Lower	Upper
75	100		
77	33.0	11.8	51.8
39	64.4	51.3	91.3

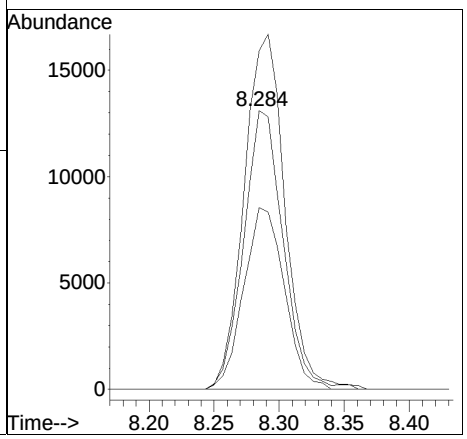


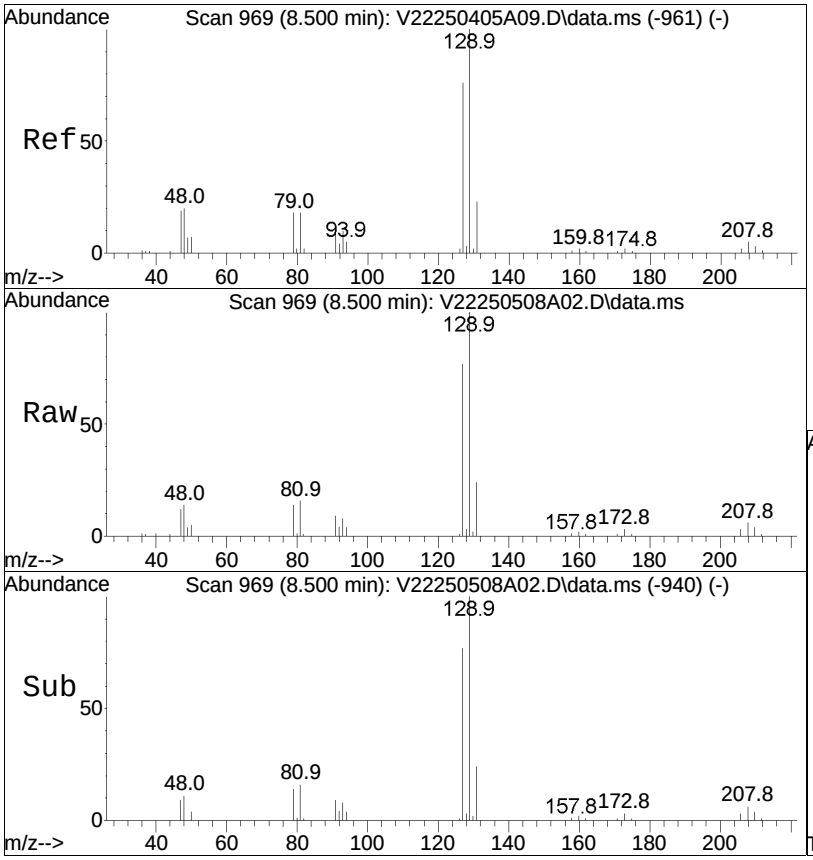


#71
1,1,2-Trichloroethane
Concen: 8.08 ug/L
RT: 8.284 min Scan# 938
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 83 Resp: 27696

Ion	Ratio	Lower	Upper
83	100		
97	131.6	95.6	135.6
85	67.2	45.4	85.4

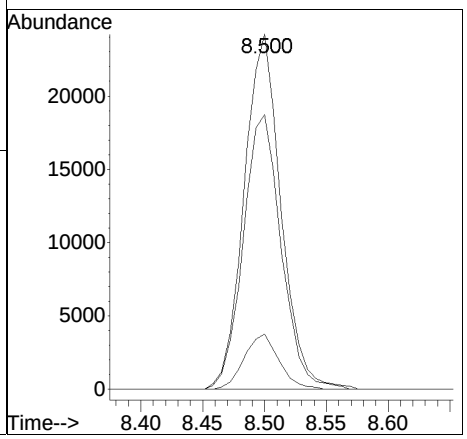


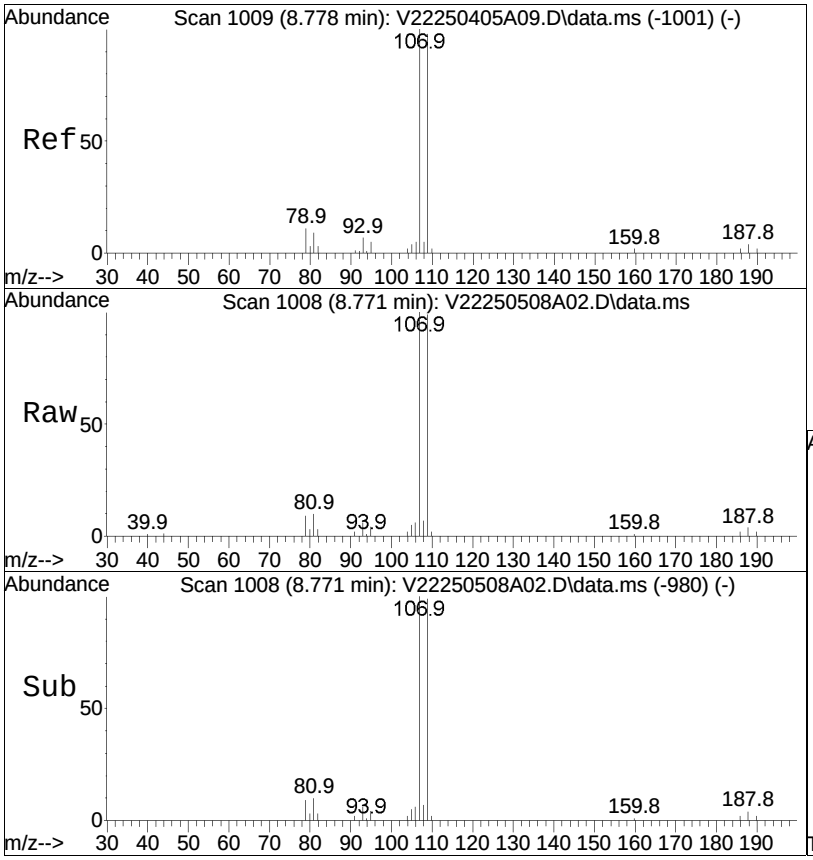


#72
Chlorodibromomethane
Concen: 10.41 ug/L
RT: 8.500 min Scan# 969
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:129 Resp: 50272

Ion	Ratio	Lower	Upper
129	100		
81	14.7	0.0	38.8
127	79.6	56.4	96.4

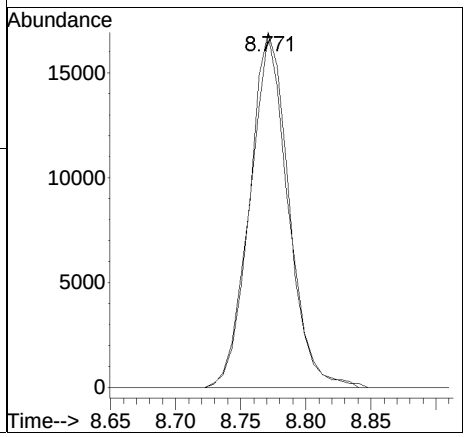


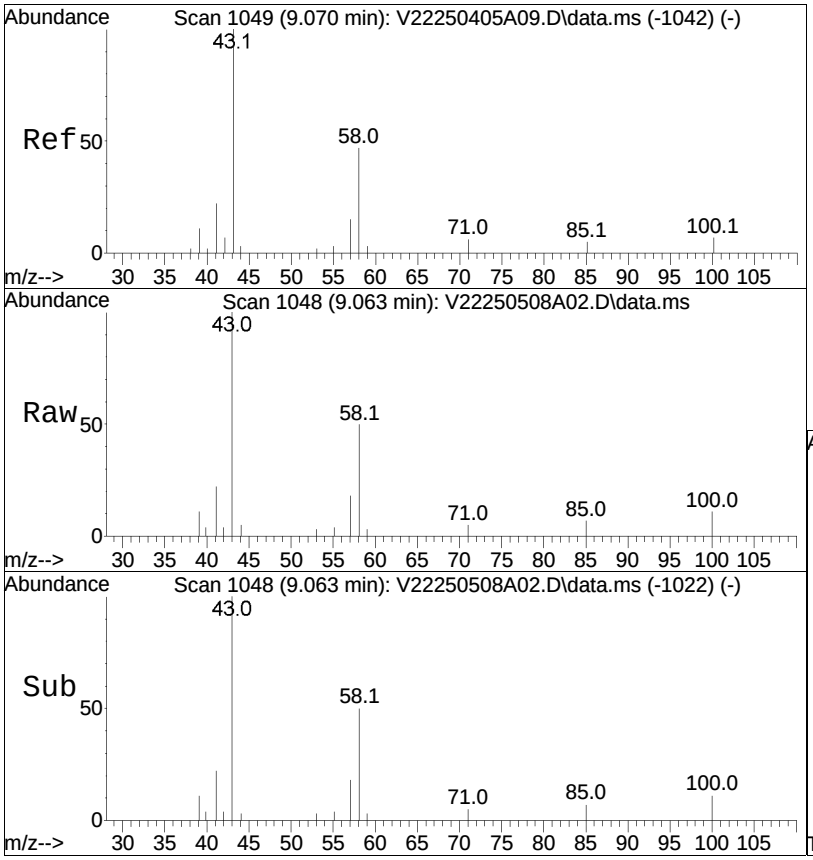


#74
1,2-Dibromoethane
Concen: 9.55 ug/L
RT: 8.771 min Scan# 1008
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:107 Resp: 35661

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.6	113.4

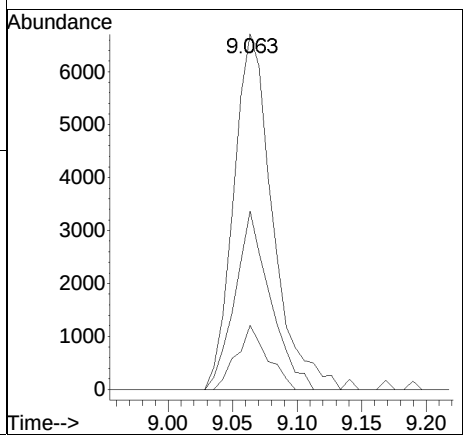


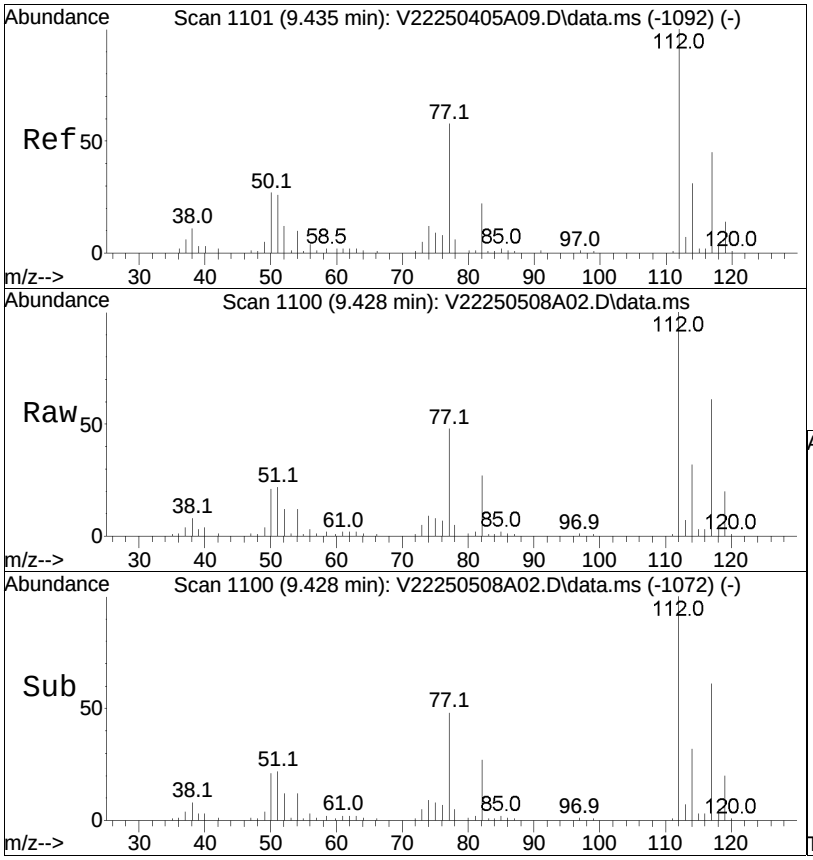


#76
2-Hexanone
Concen: 6.42 ug/L
RT: 9.063 min Scan# 1048
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 43 Resp: 14179

Ion	Ratio	Lower	Upper
43	100		
58	45.4	37.0	55.6
57	14.2	11.9	17.9

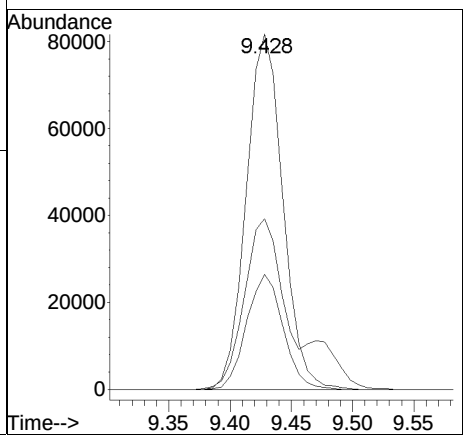


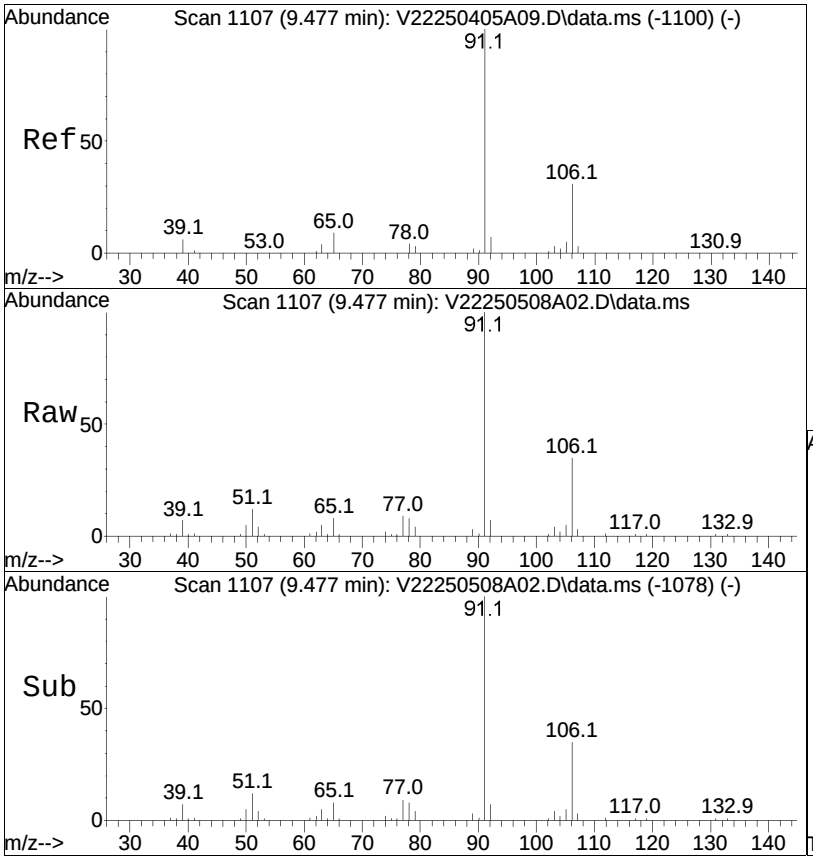


#77
Chlorobenzene
Concen: 10.04 ug/L
RT: 9.428 min Scan# 1100
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:112 Resp: 169348

Ion	Ratio	Lower	Upper
112	100		
77	53.1	49.4	74.0
114	32.3	25.4	38.2

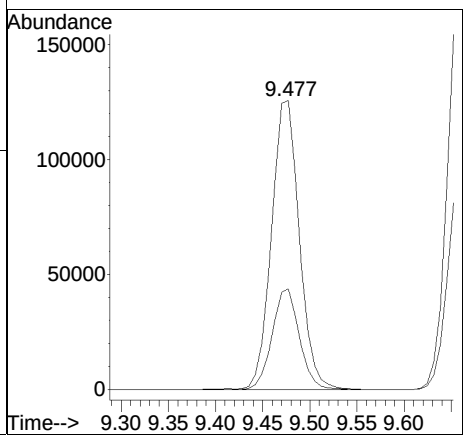


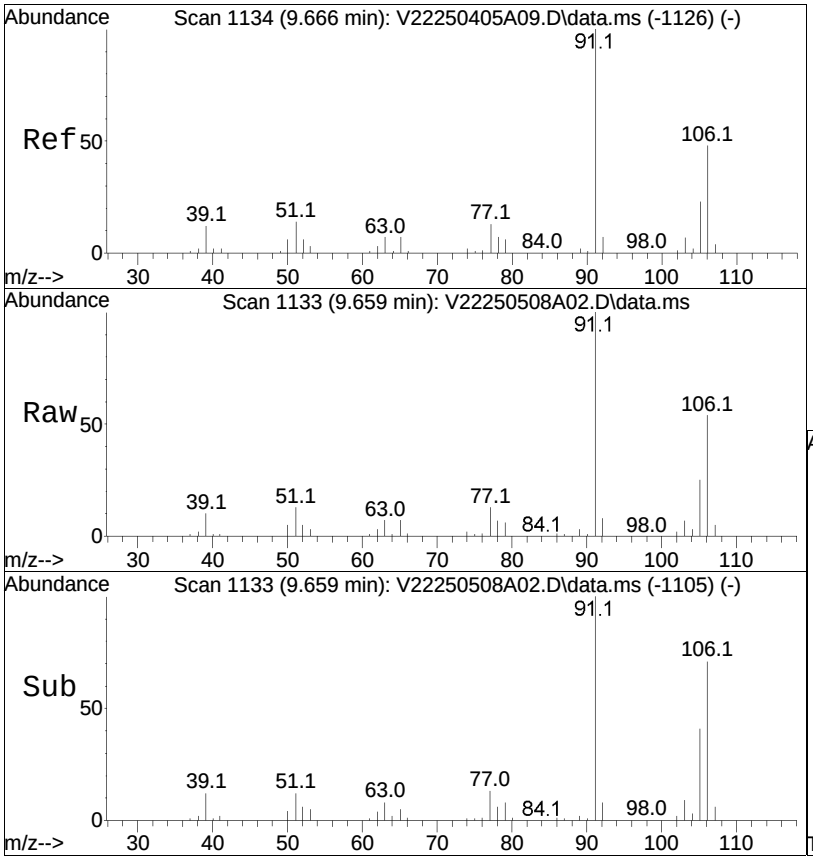


#78
Ethylbenzene
Concen: 8.90 ug/L
RT: 9.477 min Scan# 1107
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 91 Resp: 257966

Ion	Ratio	Lower	Upper
91	100		
106	33.9	24.7	37.1

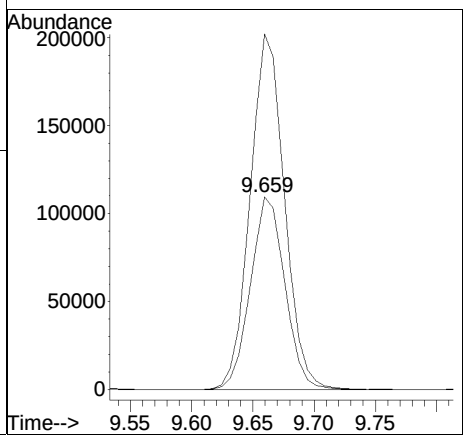


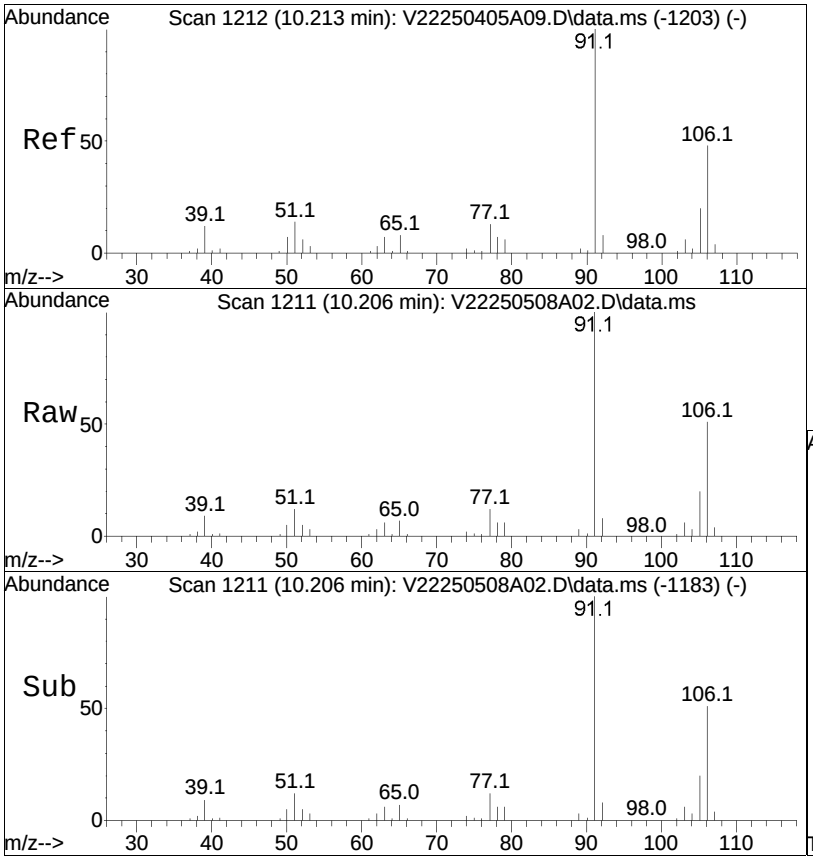


#80
p/m Xylene
Concen: 19.63 ug/L
RT: 9.659 min Scan# 1133
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:106 Resp: 213580

Ion	Ratio	Lower	Upper
106	100		
91	184.0	160.9	241.3

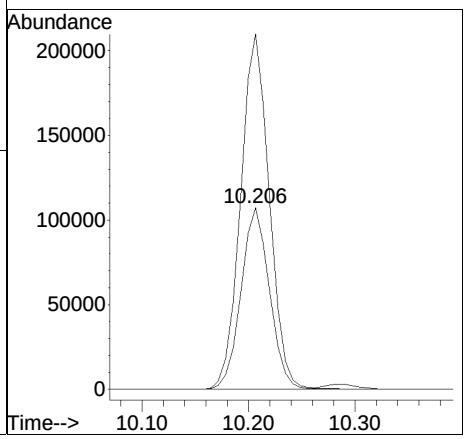


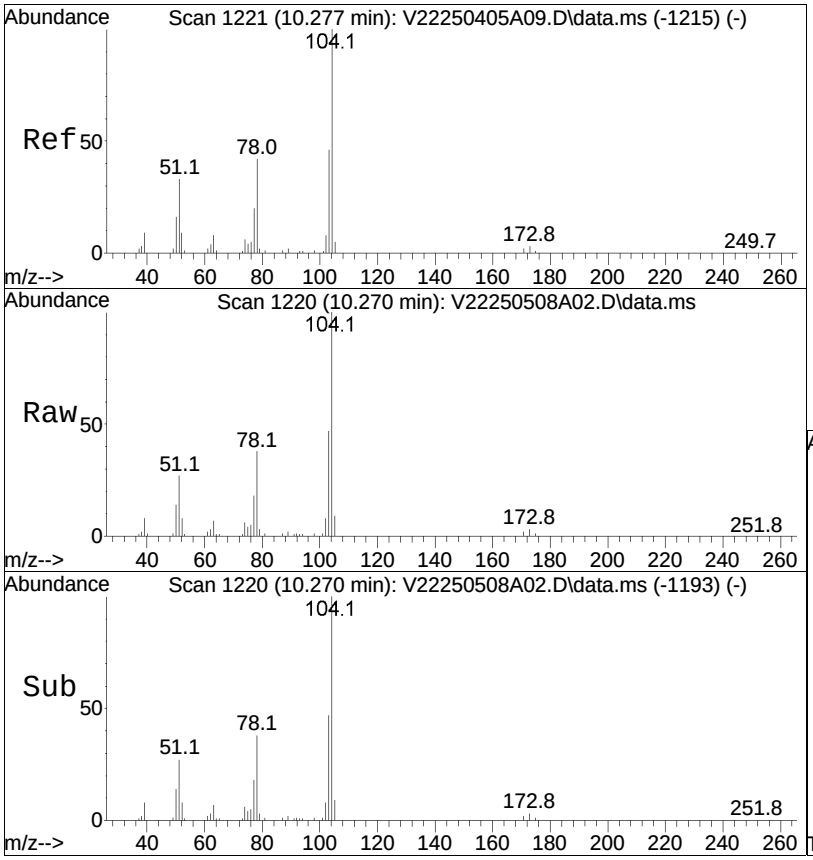


#81
o Xylene
Concen: 19.16 ug/L
RT: 10.206 min Scan# 1211
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:106 Resp: 200029

Ion	Ratio	Lower	Upper
106	100		
91	195.6	167.8	251.6

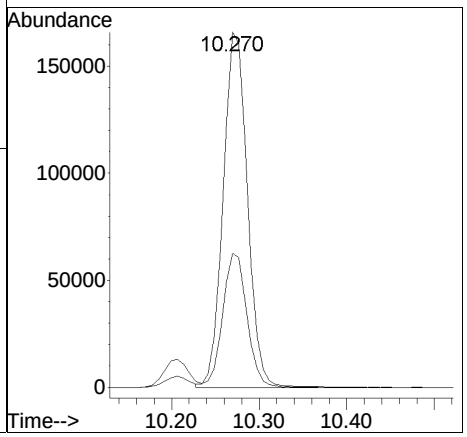


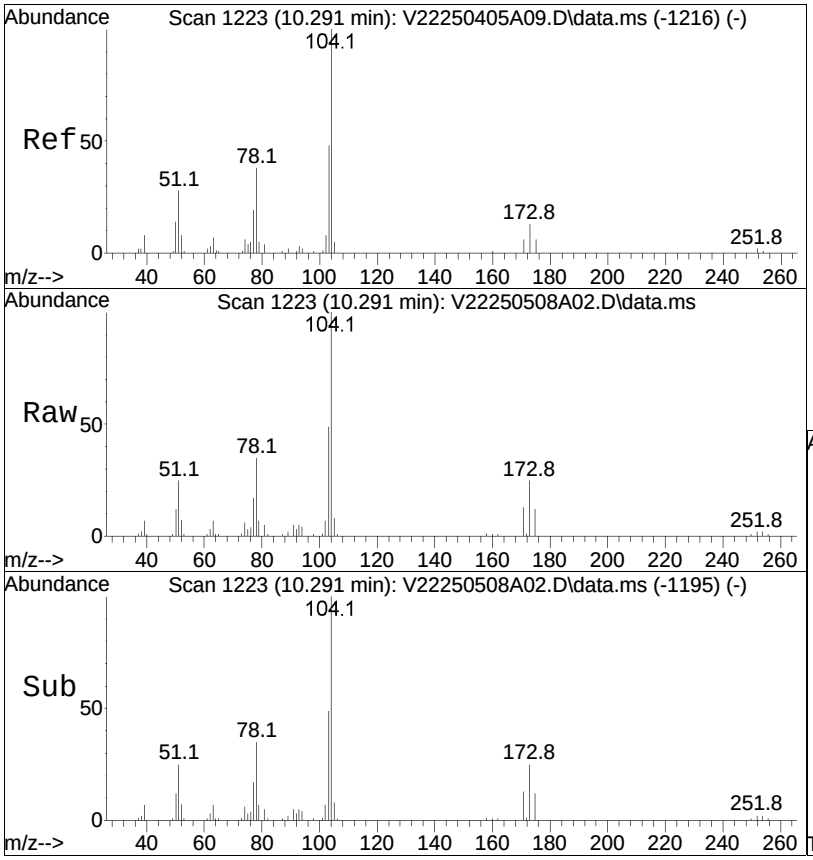


#82
Styrene
Concen: 18.01 ug/L
RT: 10.270 min Scan# 1220
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:104 Resp: 319847

Ion	Ratio	Lower	Upper
104	100		
78	37.7	33.4	50.0

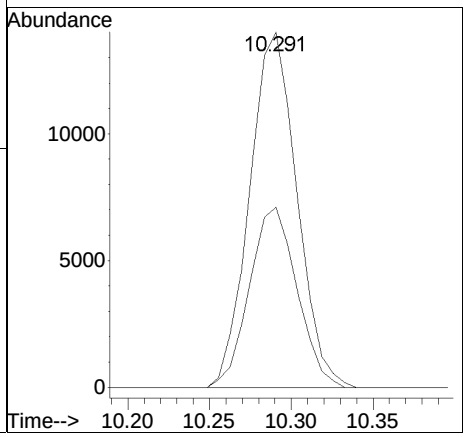


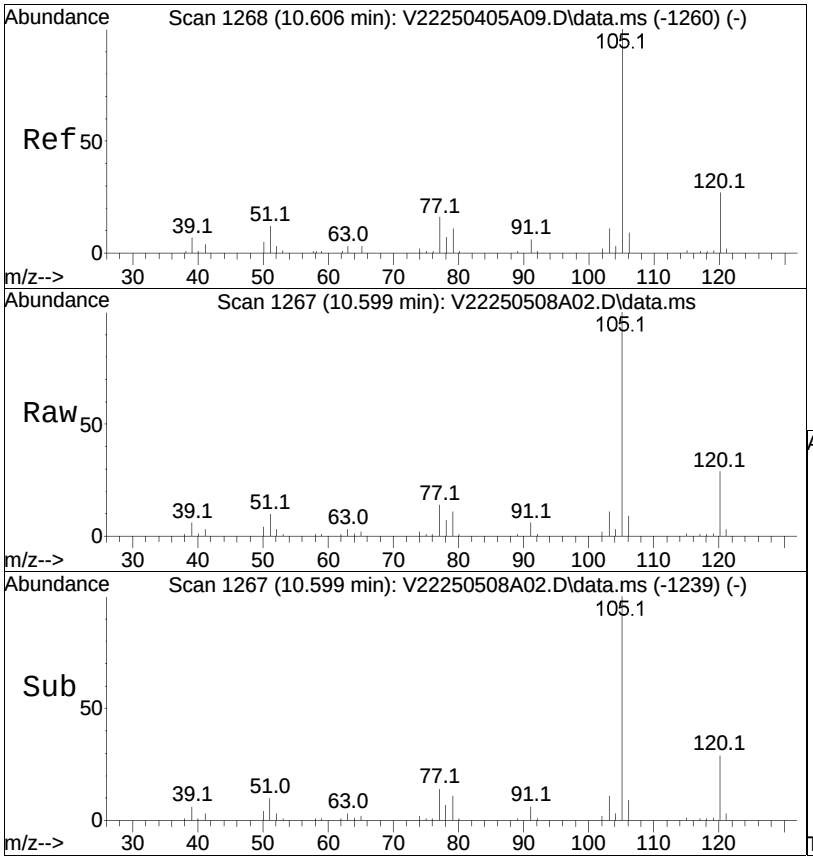


#84
Bromoform
Concen: 9.53 ug/L
RT: 10.291 min Scan# 1223
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:173 Resp: 28158

Ion	Ratio	Lower	Upper
173	100		
175	50.9	27.4	67.4

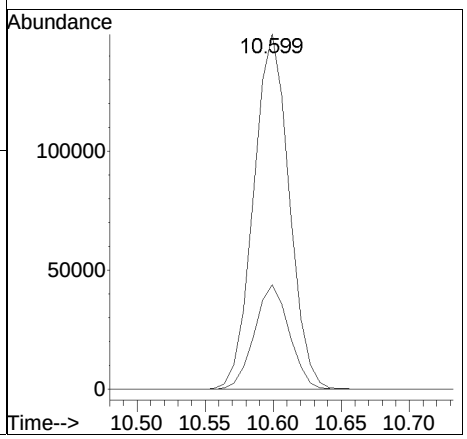


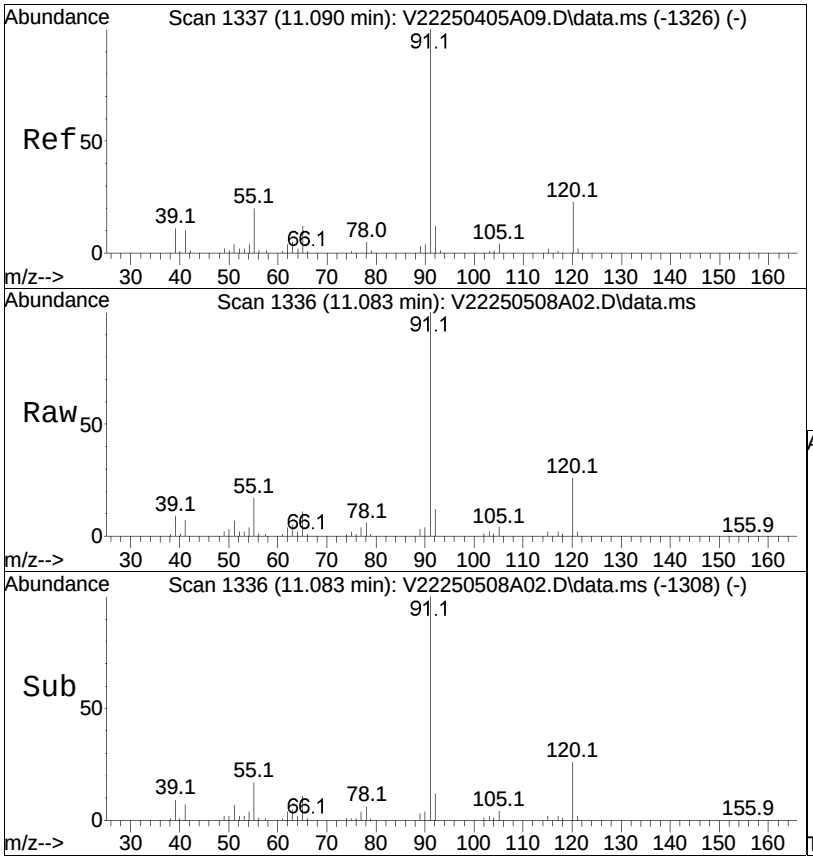


#86
Isopropylbenzene
Concen: 8.89 ug/L
RT: 10.599 min Scan# 1267
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:105 Resp: 271203

Ion	Ratio	Lower	Upper
105	100		
120	28.9	7.0	47.0

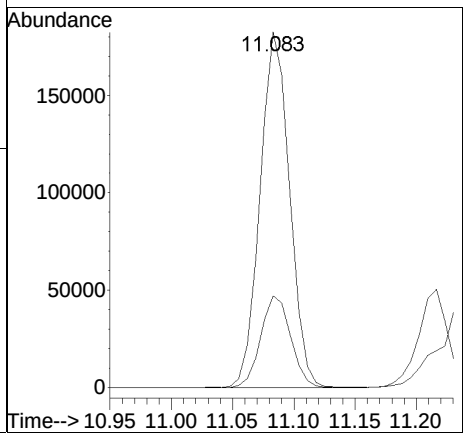


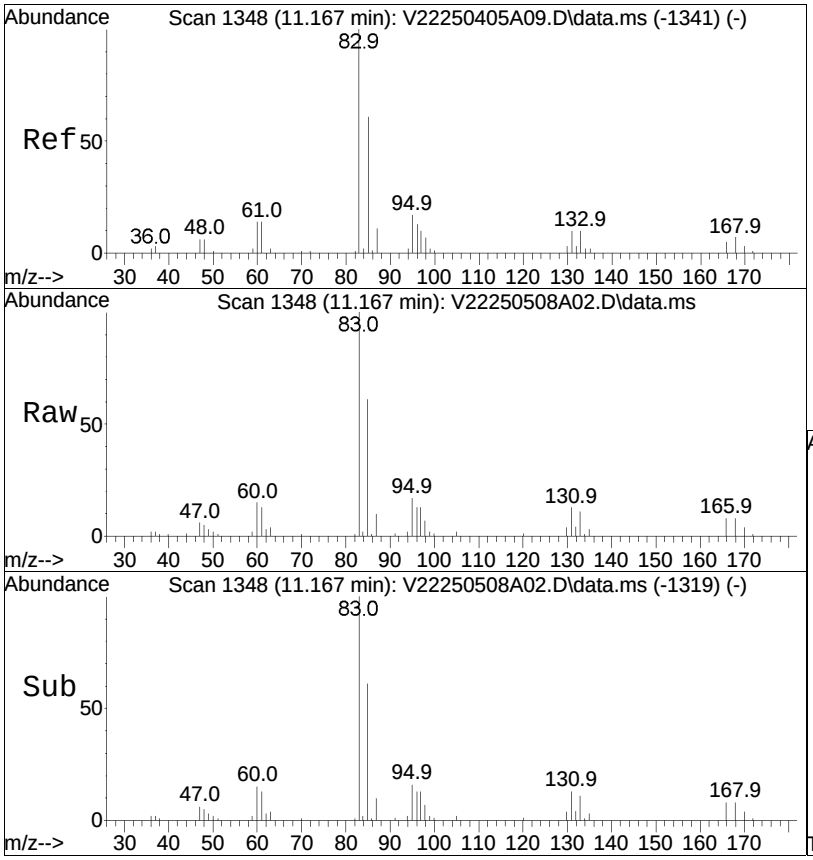


#89
n-Propylbenzene
Concen: 8.38 ug/L
RT: 11.083 min Scan# 1336
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 91 Resp: 305173

Ion	Ratio	Lower	Upper
91	100		
120	26.1	18.0	27.0

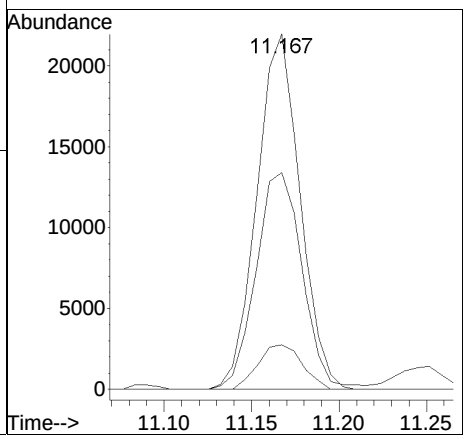


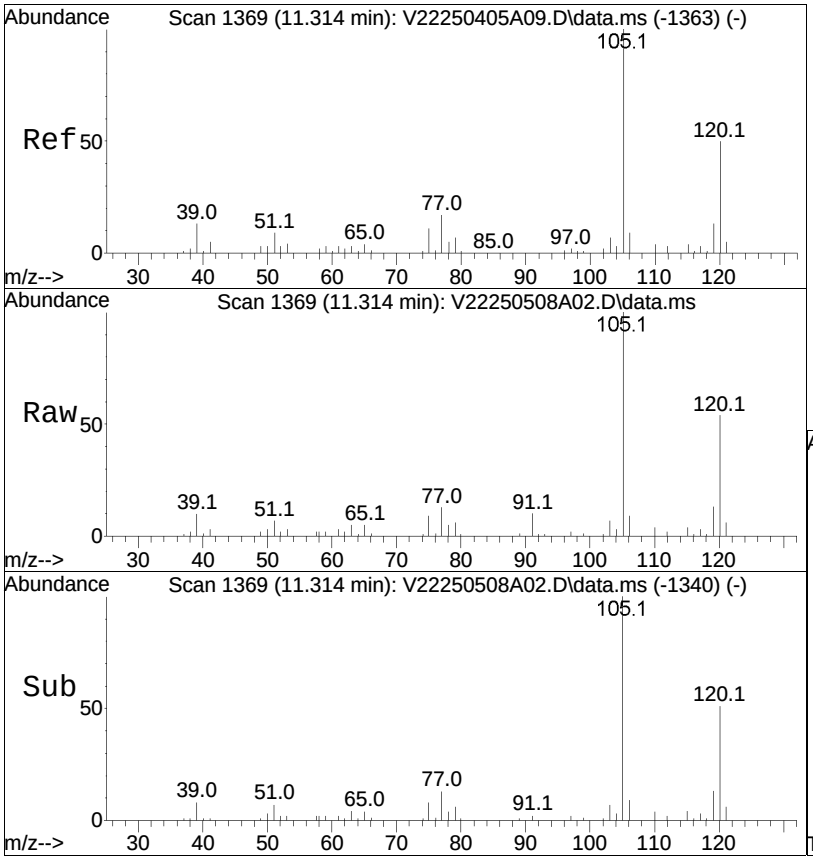


#91
1,1,2,2-Tetrachloroethane
Concen: 7.68 ug/L
RT: 11.167 min Scan# 1348
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 83 Resp: 37649

Ion	Ratio	Lower	Upper
83	100		
131	12.9	0.0	29.9
85	65.5	43.0	83.0

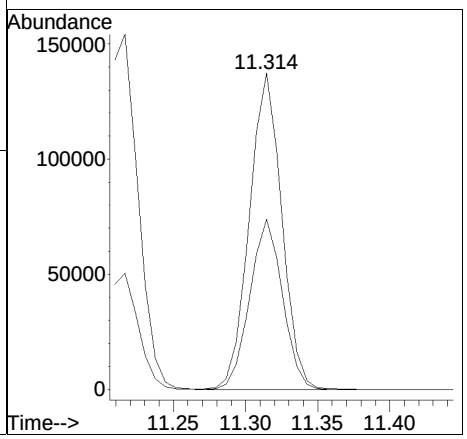


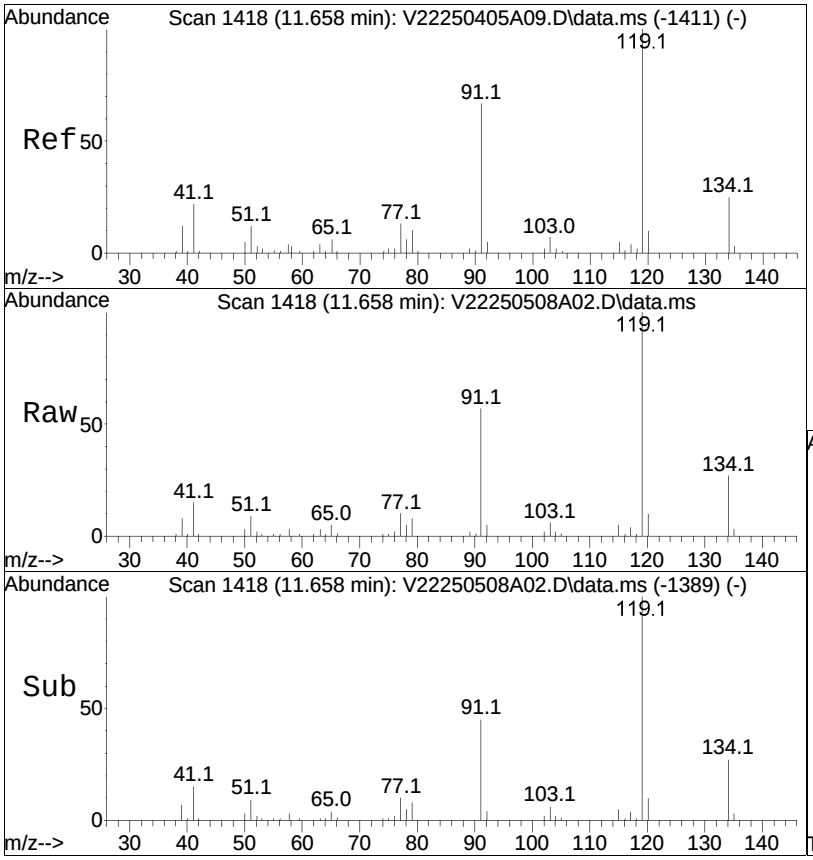


#94
1,3,5-Trimethylbenzene
Concen: 9.13 ug/L
RT: 11.314 min Scan# 1369
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:105 Resp: 214561

Ion	Ratio	Lower	Upper
105	100		
120	54.2	40.2	60.2

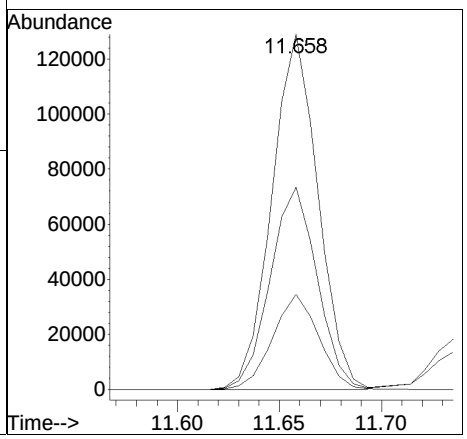


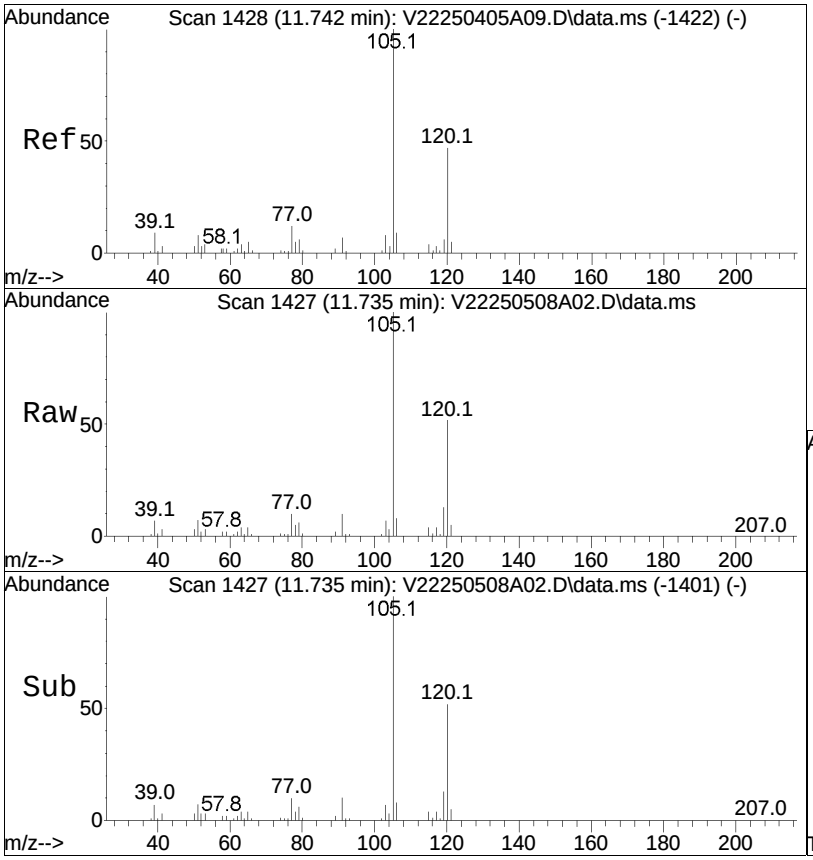


#98
tert-Butylbenzene
Concen: 8.39 ug/L
RT: 11.658 min Scan# 1418
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:119 Resp: 202686

Ion	Ratio	Lower	Upper
119	100		
91	58.0	52.6	79.0
134	30.5	20.2	30.4#

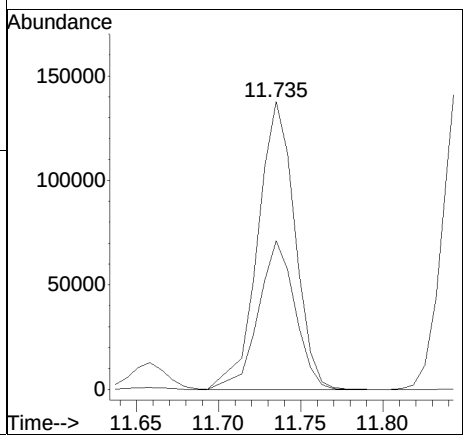


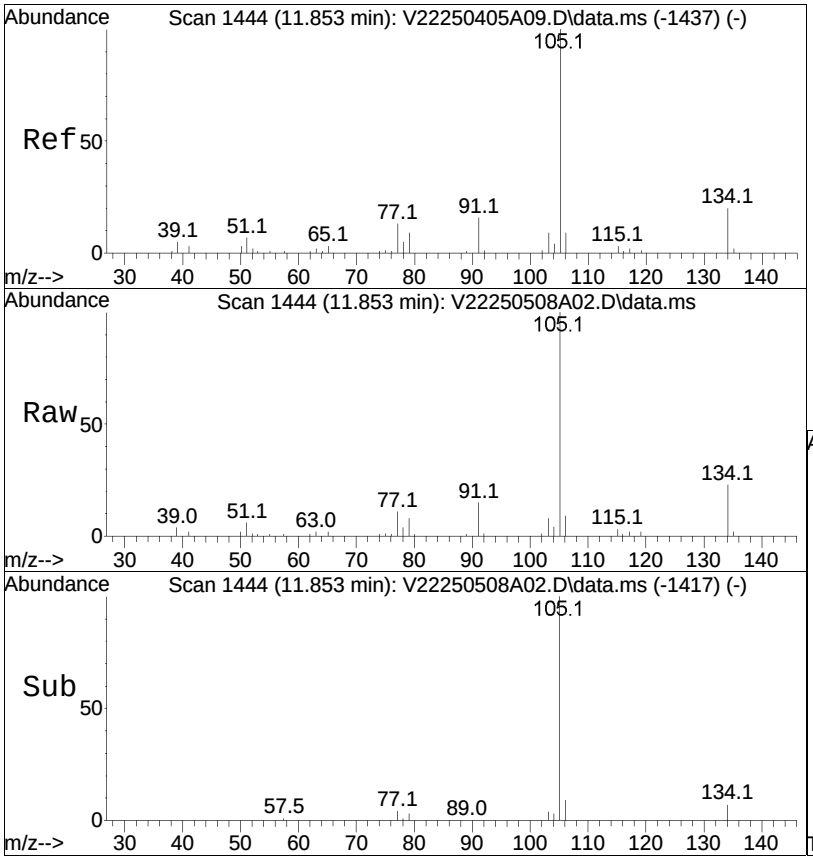


#101
1,2,4-Trimethylbenzene
Concen: 9.32 ug/L
RT: 11.735 min Scan# 1427
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:105 Resp: 242607

Ion	Ratio	Lower	Upper
105	100		
120	52.3	38.6	58.0

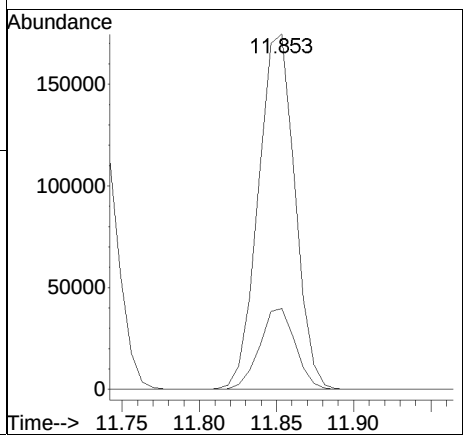


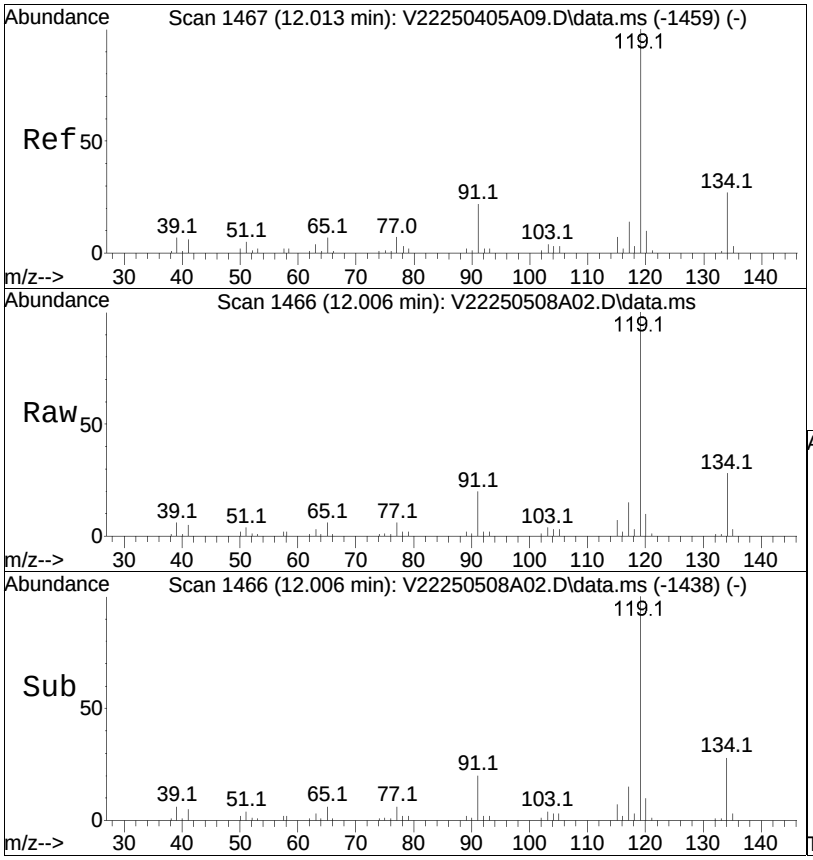


#102
sec-Butylbenzene
Concen: 9.23 ug/L
RT: 11.853 min Scan# 1444
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:105 Resp: 287666

Ion	Ratio	Lower	Upper
105	100		
134	22.2	13.3	27.5

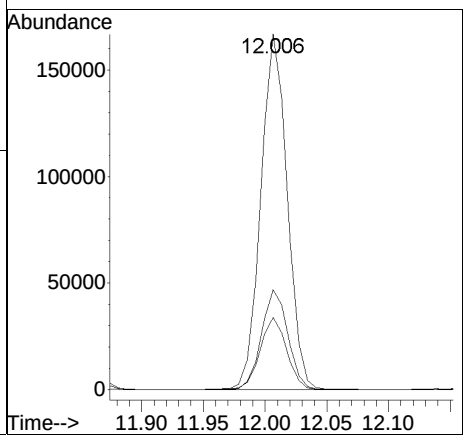


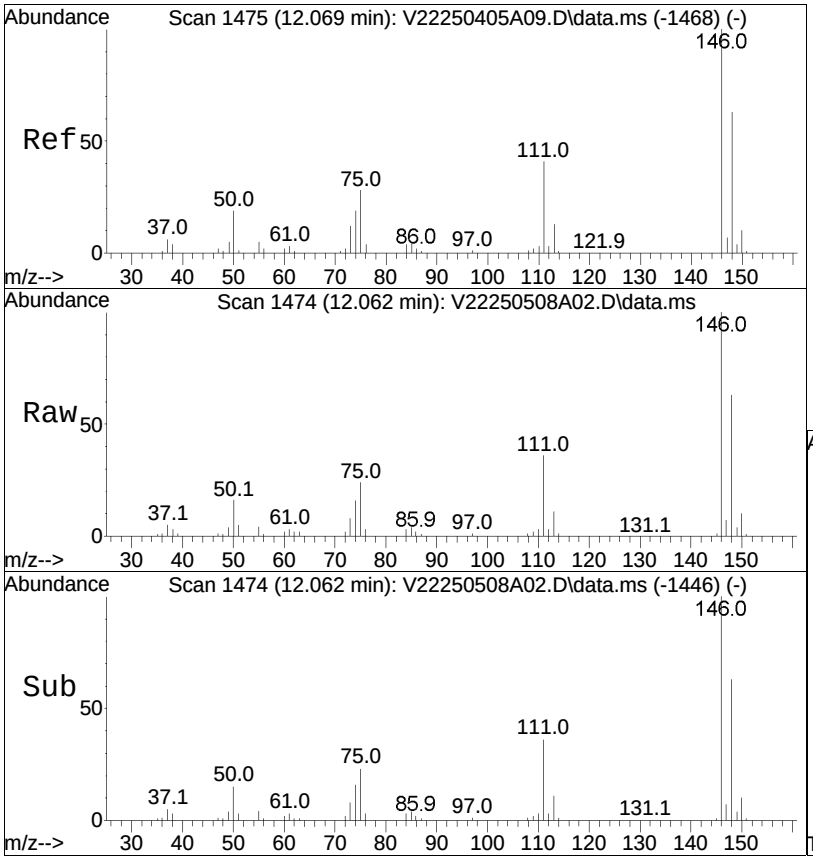


#103
p-Isopropyltoluene
Concen: 9.03 ug/L
RT: 12.006 min Scan# 1466
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:119 Resp: 247533

Ion	Ratio	Lower	Upper
119	100		
134	28.0	17.2	35.8
91	20.3	14.8	30.6

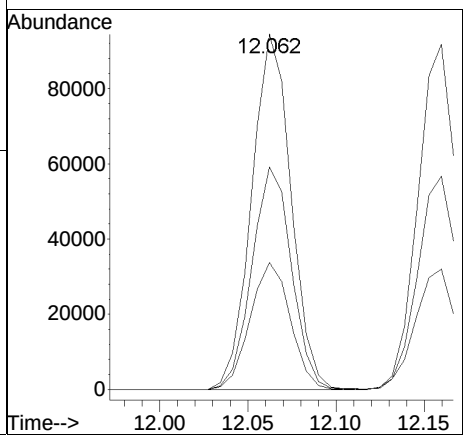


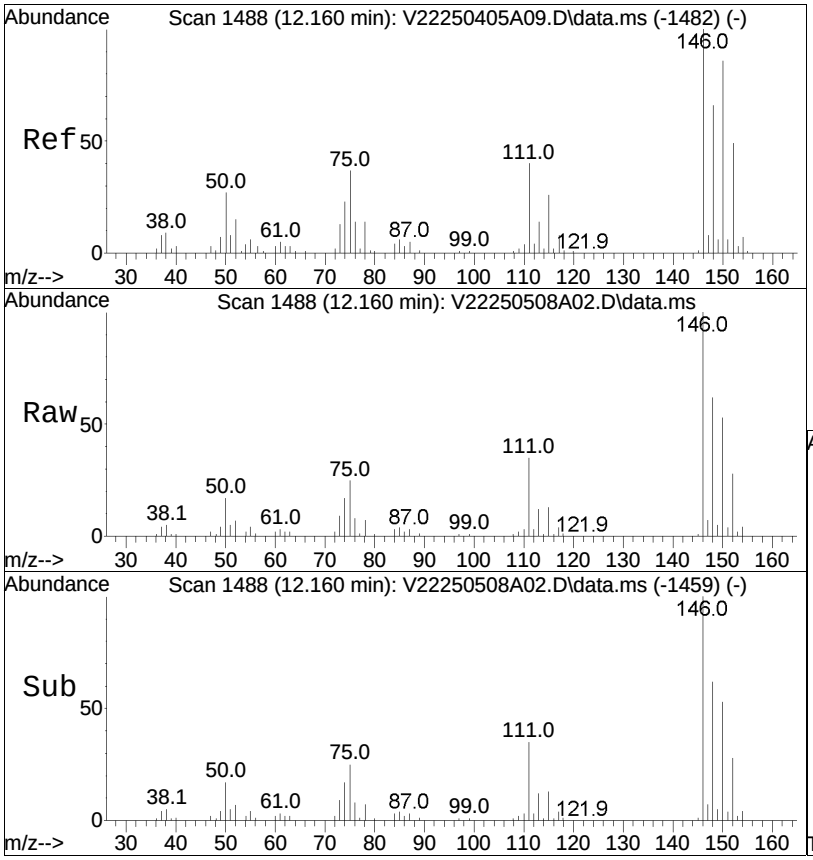


#104
1,3-Dichlorobenzene
Concen: 10.57 ug/L
RT: 12.062 min Scan# 1474
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:146 Resp: 146626

Ion	Ratio	Lower	Upper
146	100		
111	36.4	27.0	56.0
148	62.8	40.9	84.9

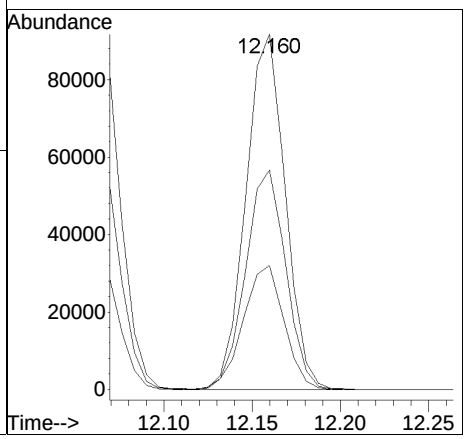


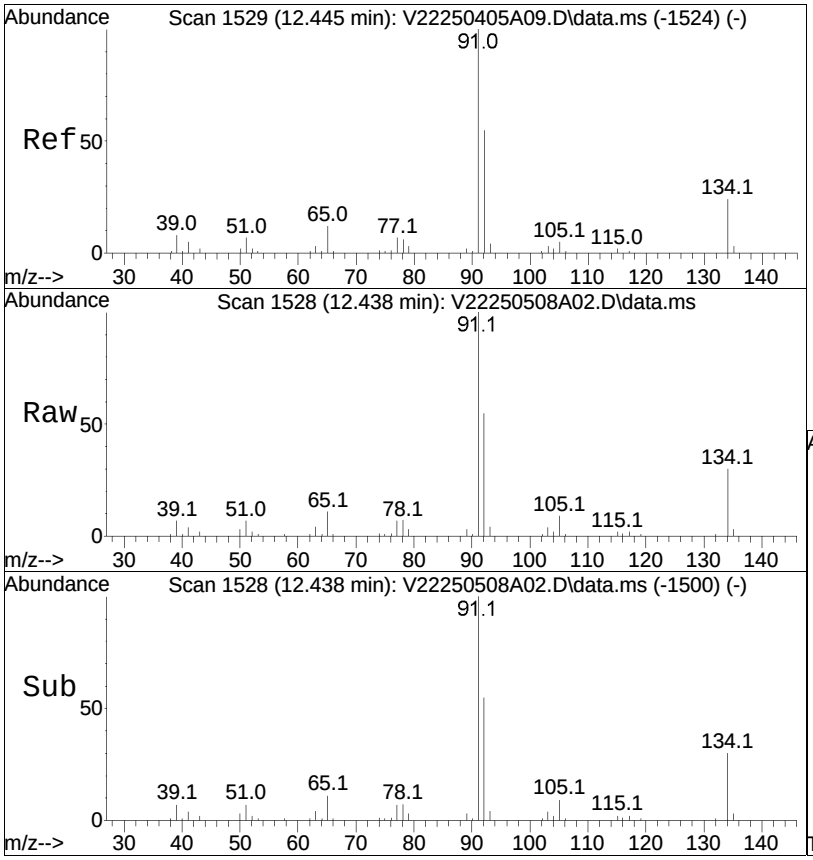


#105
1,4-Dichlorobenzene
Concen: 10.30 ug/L
RT: 12.160 min Scan# 1488
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:146 Resp: 142266

Ion	Ratio	Lower	Upper
146	100		
111	36.2	32.4	48.6
148	63.0	51.5	77.3

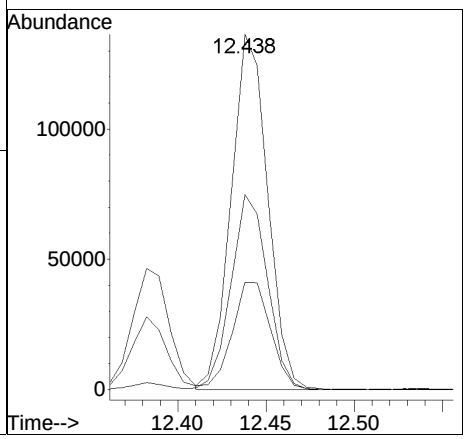


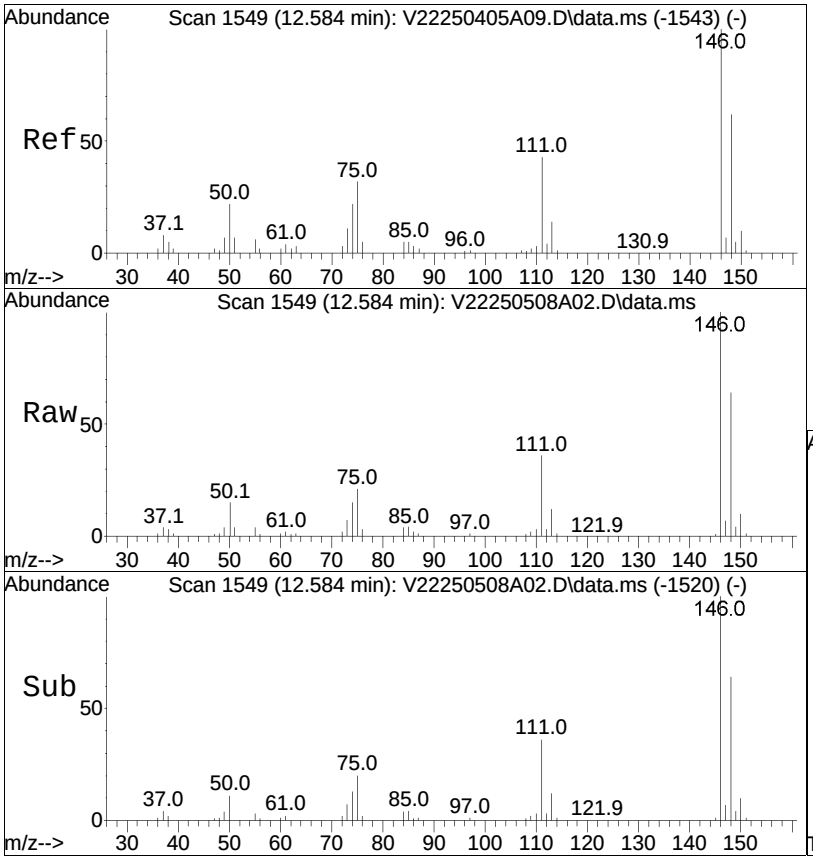


#107
n-Butylbenzene
Concen: 8.76 ug/L
RT: 12.438 min Scan# 1528
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion: 91 Resp: 196243

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.2	64.8
134	31.8	20.7	31.1#

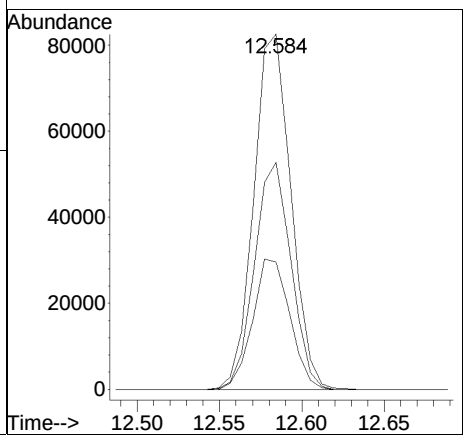


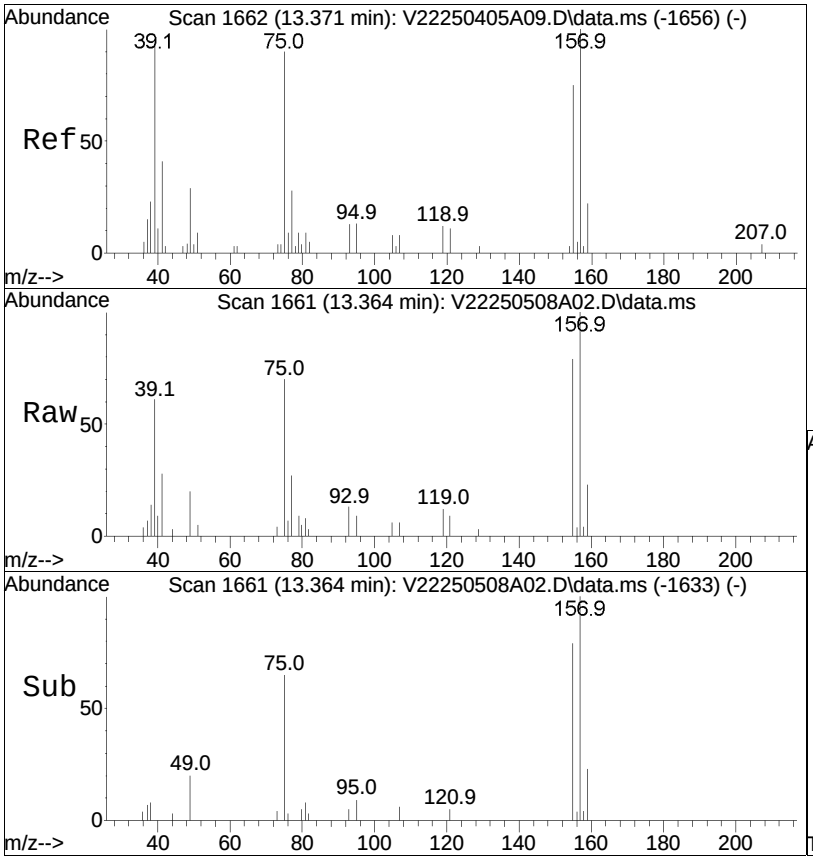


#108
1,2-Dichlorobenzene
Concen: 10.60 ug/L
RT: 12.584 min Scan# 1549
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:146 Resp: 129571

Ion	Ratio	Lower	Upper
146	100		
111	36.9	27.4	56.8
148	62.7	40.8	84.8

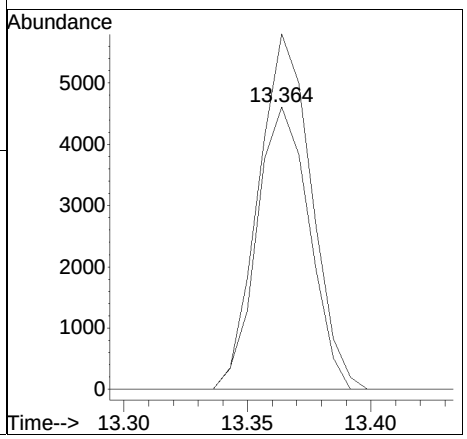


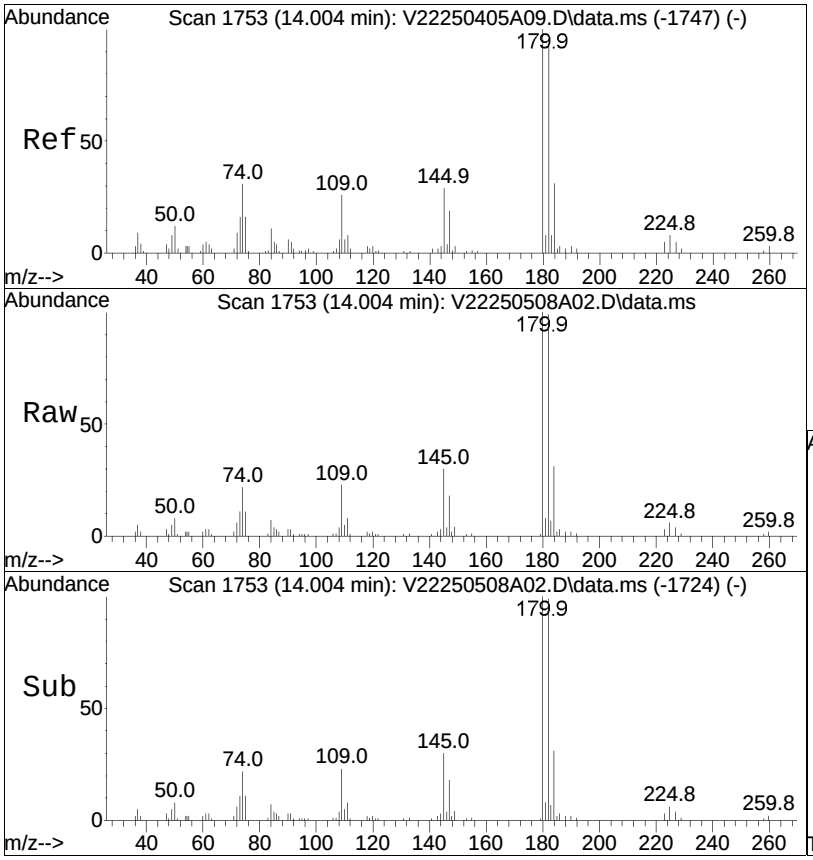


#110
1,2-Dibromo-3-chloropropane
Concen: 9.44 ug/L
RT: 13.364 min Scan# 1661
Delta R.T. -0.007 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:155 Resp: 6812

Ion	Ratio	Lower	Upper
155	100		
157	127.3	104.1	156.1

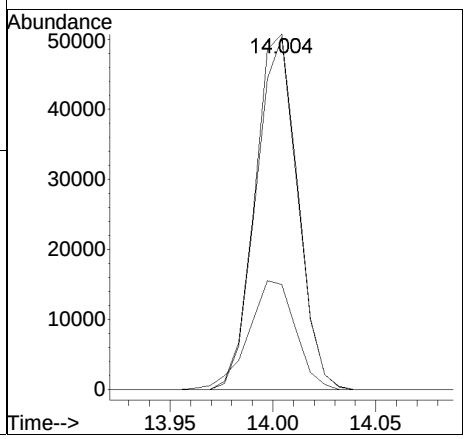


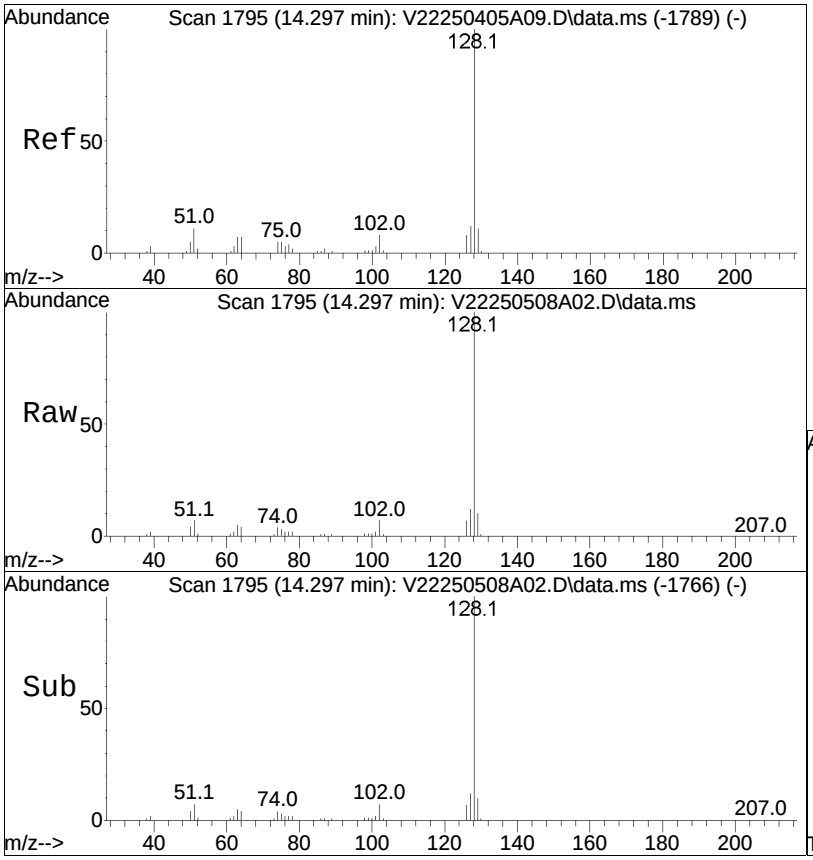


#113
1,2,4-Trichlorobenzene
Concen: 10.43 ug/L
RT: 14.004 min Scan# 1753
Delta R.T. 0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:180 Resp: 73624

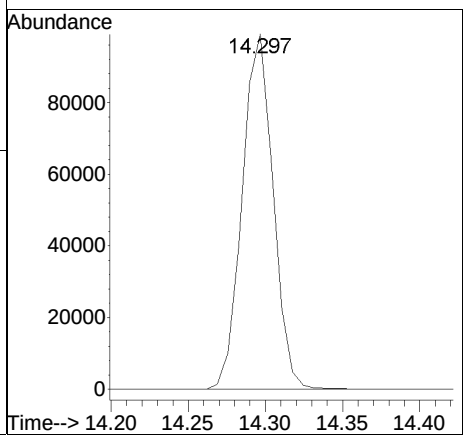
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.4	113.2
145	33.4	27.4	41.2





#114
Naphthalene
Concen: 9.42 ug/L
RT: 14.297 min Scan# 1795
Delta R.T. -0.000 min
Lab File: V22250508A02.D
Acq: 08 May 2025 08:08 am

Tgt Ion:128 Resp: 138194



Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A02.D
Acq On : 8 May 2025 8:12 am
Operator : VOA101:mjv
Sample : WG2064186-4,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 13:15:42 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.865	96	386391	10.000	ug/L	0.00
Standard Area 1 = 381825			Recovery = 101.20%			
59) Chlorobenzene-d5	9.379	117	305868	10.000	ug/L	0.00
Standard Area 1 = 302275			Recovery = 101.19%			
79) 1,4-Dichlorobenzene-d4	12.115	152	167526	10.000	ug/L	0.00
Standard Area 1 = 164373			Recovery = 101.92%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	105428	10.373	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.73%			
43) 1,2-Dichloroethane-d4	5.586	65	102388	10.124	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.24%			
60) Toluene-d8	7.544	98	414932	9.867	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.67%			
83) 4-Bromofluorobenzene	10.893	95	154363	9.514	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.607	85	96100	8.145	ug/L #	95
3) Chloromethane	1.788	50	56403	8.049	ug/L	97
4) Vinyl chloride	1.858	62	87935	8.680	ug/L	91
5) Bromomethane	2.154	94	19717	7.366	ug/L	96
6) Chloroethane	2.265	64	51023	8.903	ug/L	91
7) Trichlorofluoromethane	2.402	101	122751	9.056	ug/L	99
10) 1,1-Dichloroethene	2.870	96	71869	8.635	ug/L #	67
11) Carbon disulfide	2.898	76	266455	9.594	ug/L	99
12) Freon-113	2.901	101	73920	8.801	ug/L #	66
15) Methylene chloride	3.409	84	91139	9.400	ug/L #	56
17) Acetone	3.459	43	9285	9.533	ug/L #	69
18) trans-1,2-Dichloroethene	3.556	96	85764	9.367	ug/L	75
19) Methyl acetate	3.567	43	21898	9.116	ug/L #	78
20) Methyl tert-butyl ether	3.657	73	182751	9.694	ug/L #	80
23) 1,1-Dichloroethane	4.125	63	143735	9.055	ug/L	92
28) cis-1,2-Dichloroethene	4.633	96	96925	9.531	ug/L #	73
31) Cyclohexane	4.825	56	107720	8.049	ug/L #	40
32) Chloroform	4.895	83	159495	9.633	ug/L #	90
34) Carbon tetrachloride	5.029	117	108659	8.816	ug/L	98
37) 1,1,1-Trichloroethane	5.093	97	132453	9.377	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A02.D
Acq On : 8 May 2025 8:12 am
Operator : VOA101:mjv
Sample : WG2064186-4,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 13:15:42 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 2-Butanone	5.185	43	11623	8.531	ug/L	#	88
41) Benzene	5.453	78	355196	9.375	ug/L	#	85
44) 1,2-Dichloroethane	5.656	62	94608	9.784	ug/L		96
47) Methyl cyclohexane	6.030	83	143927	8.547	ug/L	#	57
48) Trichloroethene	6.047	95	94450	9.407	ug/L		98
51) 1,2-Dichloropropane	6.579	63	83012	9.397	ug/L	#	92
54) Bromodichloromethane	6.657	83	118487	9.691	ug/L		99
58) cis-1,3-Dichloropropene	7.340	75	130120	9.725	ug/L	#	75
61) Toluene	7.603	92	223355	8.922	ug/L		99
62) 4-Methyl-2-pentanone	8.038	58	12450	8.255	ug/L	#	84
63) Tetrachloroethene	8.052	166	94596	9.331	ug/L		98
65) trans-1,3-Dichloropropene	8.085	75	101368	8.341	ug/L	#	79
68) 1,1,2-Trichloroethane	8.269	83	56327	9.336	ug/L		99
69) Chlorodibromomethane	8.481	129	77576	9.181	ug/L		98
71) 1,2-Dibromoethane	8.754	107	61774	9.427	ug/L		97
72) 2-Hexanone	9.053	43	17961M3	8.170	ug/L		
73) Chlorobenzene	9.401	112	261863	9.292	ug/L		97
74) Ethylbenzene	9.435	91	439781	8.972	ug/L		99
76) p/m Xylene	9.624	106	347902	18.810	ug/L		95
77) o Xylene	10.171	106	338790	18.979	ug/L		97
78) Styrene	10.241	104	550620	19.043	ug/L		96
80) Bromoform	10.266	173	38795	8.948	ug/L		99
82) Isopropylbenzene	10.561	105	432451	8.556	ug/L		99
85) n-Propylbenzene	11.049	91	510950	8.653	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.144	83	73703	9.337	ug/L		99
90) 1,3,5-Trimethylbenzene	11.278	105	356988	8.897	ug/L		99
94) tert-Butylbenzene	11.618	119	298857	8.886	ug/L		98
97) 1,2,4-Trimethylbenzene	11.702	105	347197	8.971	ug/L		100
98) sec-Butylbenzene	11.811	105	425410	8.553	ug/L		100
99) p-Isopropyltoluene	11.970	119	362178	8.910	ug/L		99
100) 1,3-Dichlorobenzene	12.039	146	195830	9.332	ug/L		99
101) 1,4-Dichlorobenzene	12.131	146	196428	9.074	ug/L		98
103) n-Butylbenzene	12.405	91	293609	8.698	ug/L		100
104) 1,2-Dichlorobenzene	12.558	146	174504	9.485	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.339	155	8066	8.839	ug/L		95
109) 1,2,4-Trichlorobenzene	13.975	180	81739	9.400	ug/L		98
110) Naphthalene	14.270	128	147267	9.189	ug/L		100

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

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A02.D
Acq On : 8 May 2025 8:12 am
Operator : VOA101:mjv
Sample : WG2064186-4,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 13:15:42 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250508A\V01250508A01.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

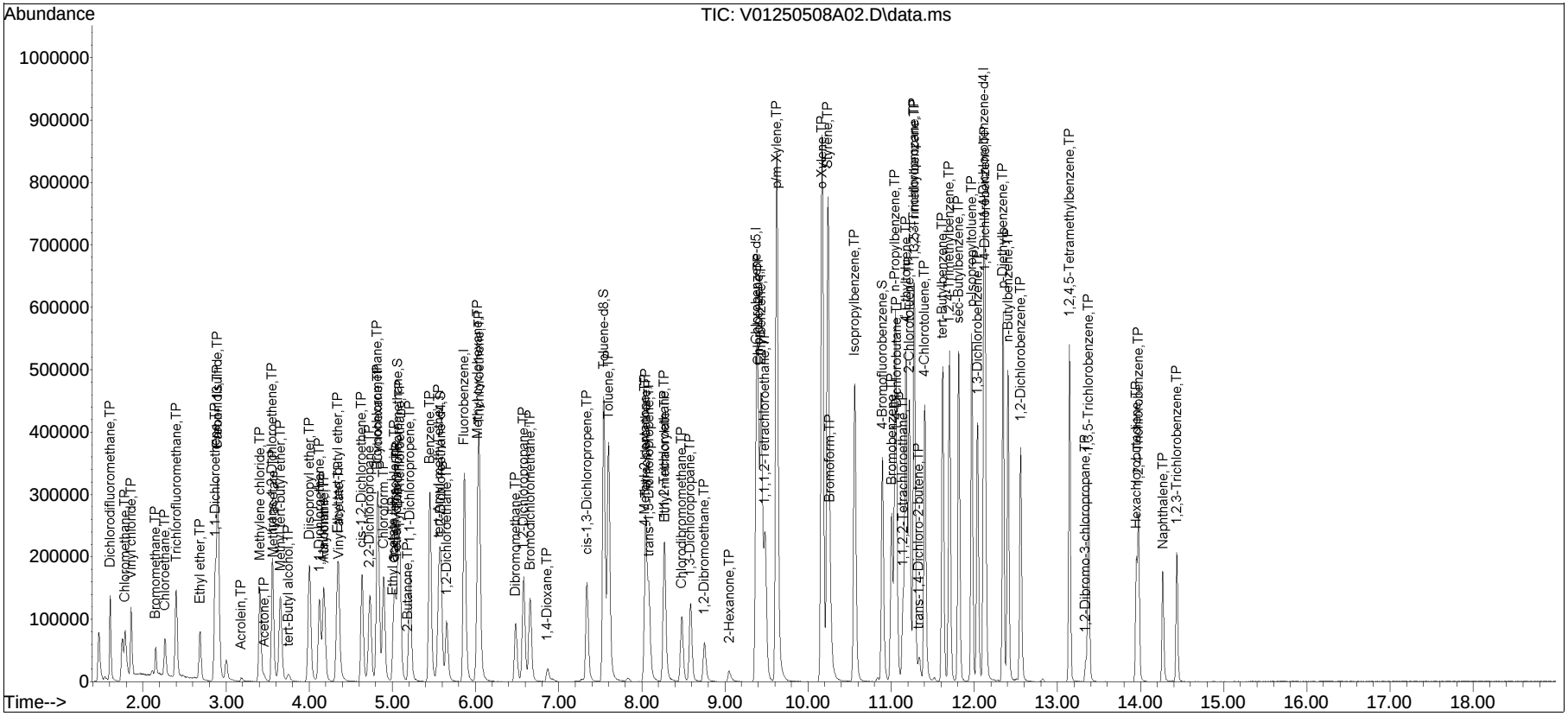
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

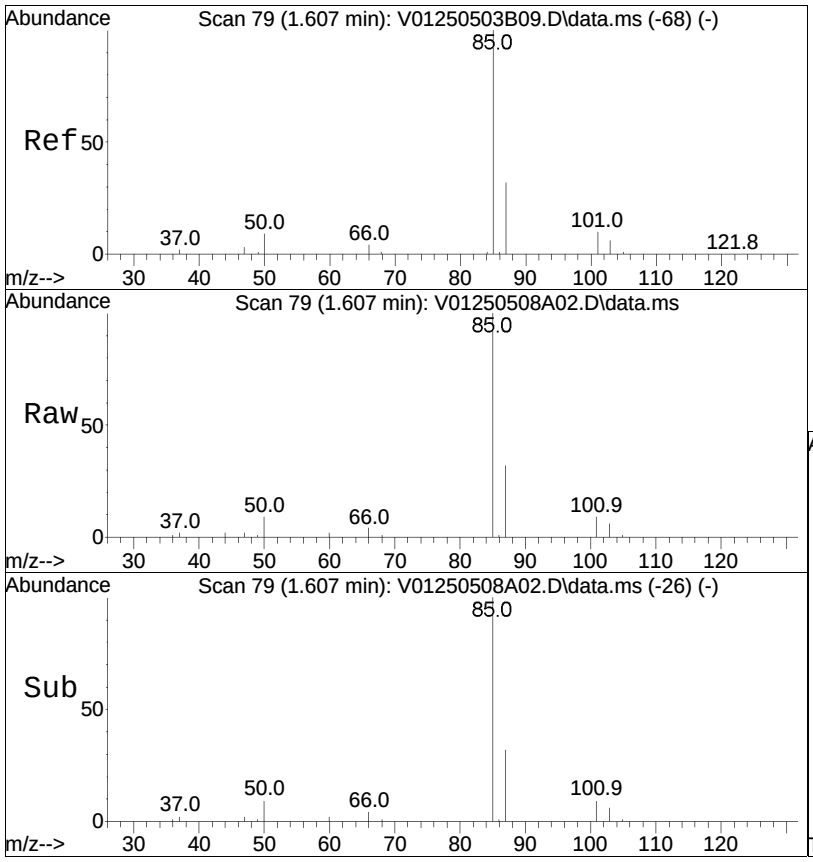
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A02.D
Acq On : 8 May 2025 8:12 am
Operator : VOA101:mjv
Sample : WG2064186-4,31,10,10
Misc : WG2064186,ICAL22247
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 13:15:42 2025
Quant Method : K:\VOA101\2025\250508A\V101_250503B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 05 12:04:15 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODOD•

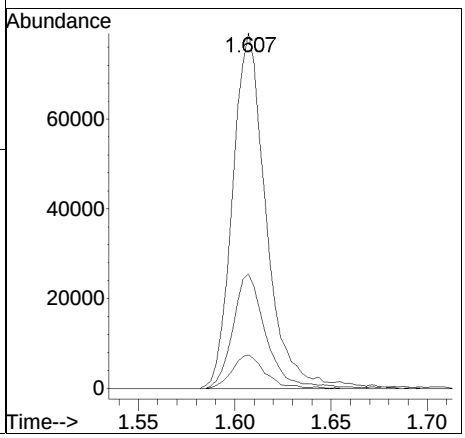


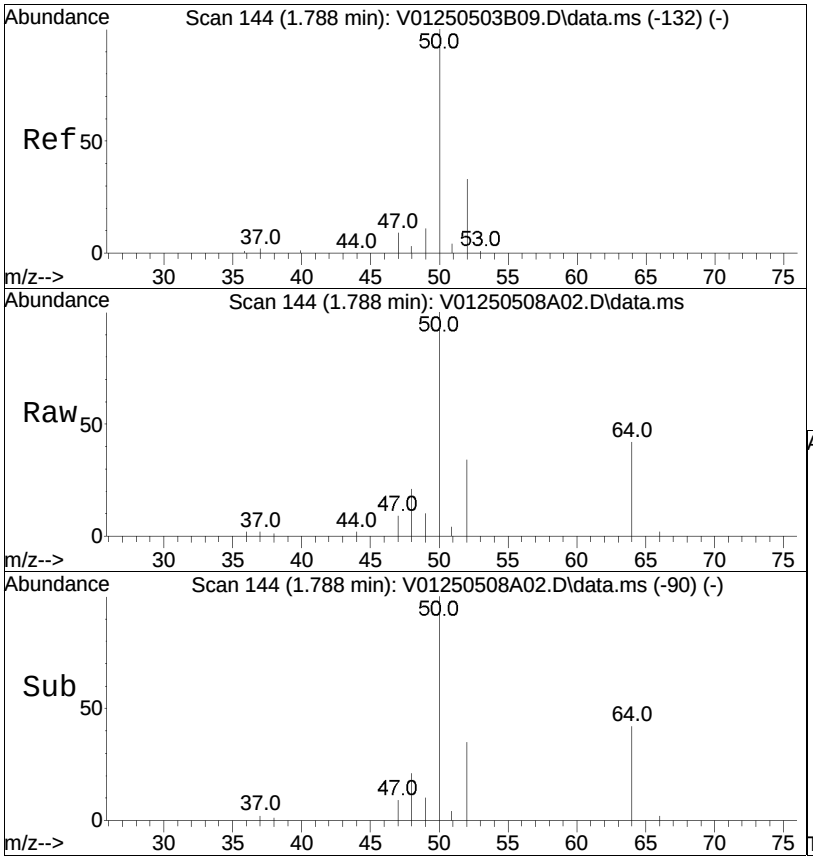


#2
Dichlorodifluoromethane
Concen: 8.15 ug/L
RT: 1.607 min Scan# 79
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 85 Resp: 96100

Ion	Ratio	Lower	Upper
85	100		
87	31.6	20.6	42.8
50	9.2	9.9	20.7#

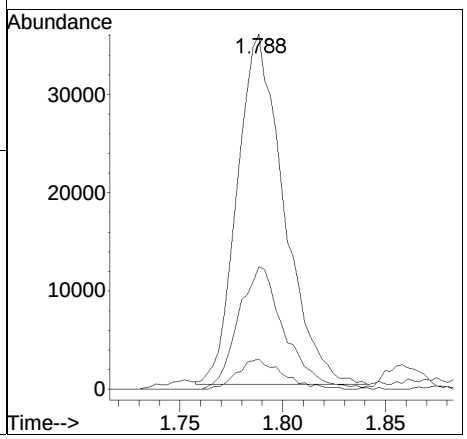


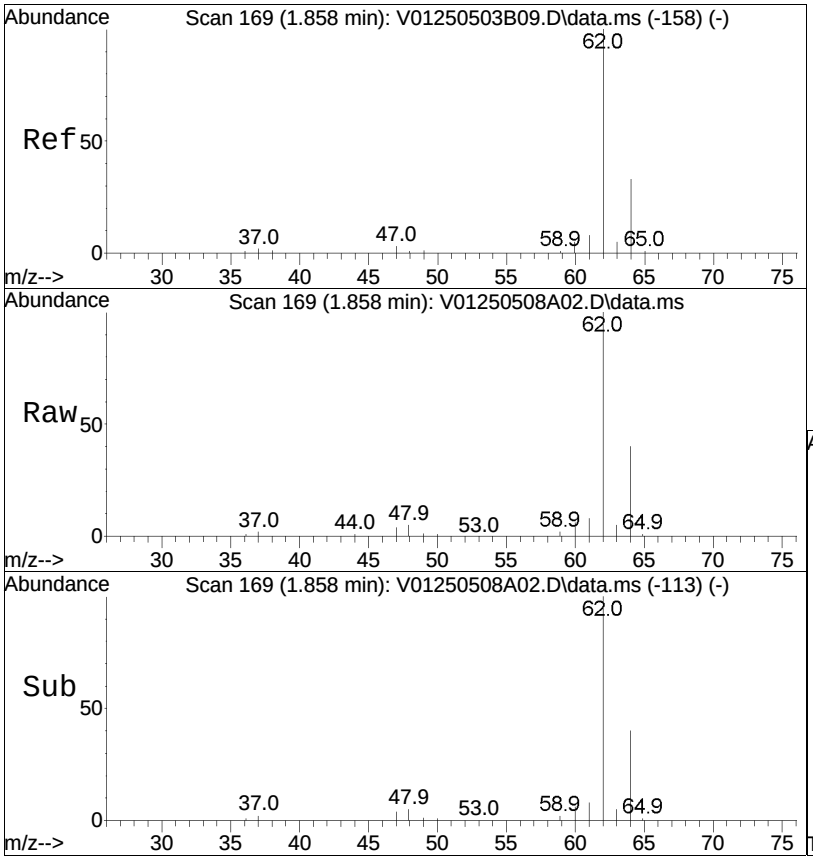


#3
Chloromethane
Concen: 8.05 ug/L
RT: 1.788 min Scan# 144
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 50 Resp: 56403

Ion	Ratio	Lower	Upper
50	100		
52	34.8	12.8	52.8
47	8.5	0.0	27.8

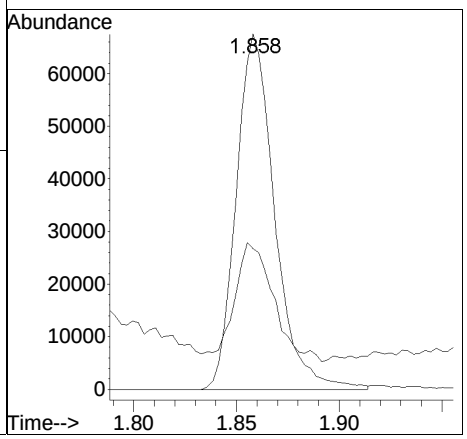


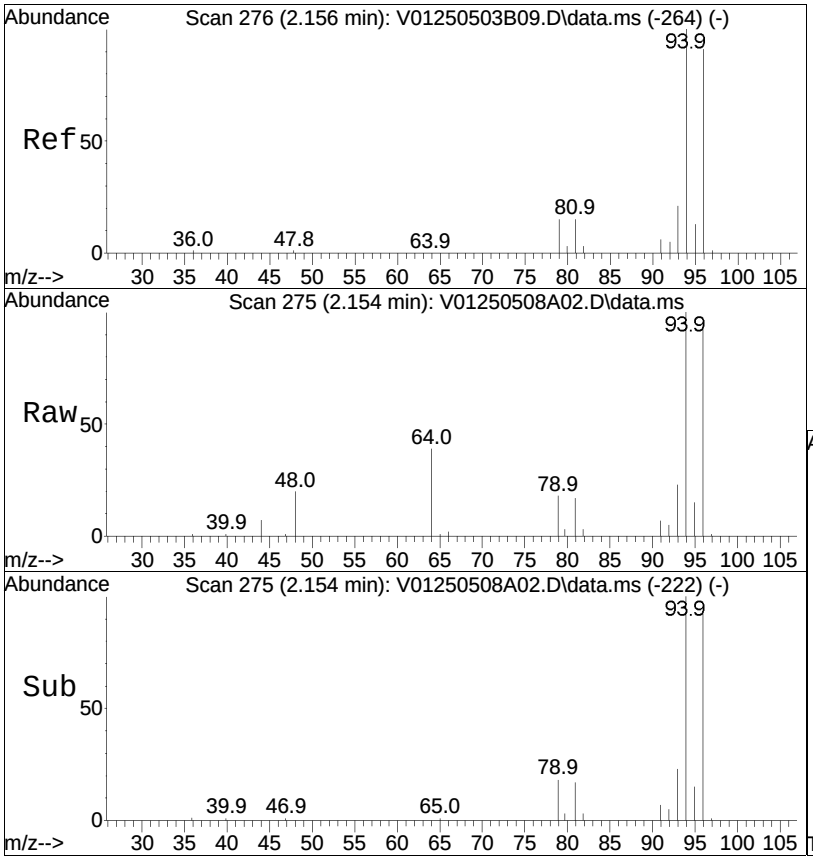


#4
Vinyl chloride
Concen: 8.68 ug/L
RT: 1.858 min Scan# 169
Delta R.T. 0.006 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 62 Resp: 87935

Ion	Ratio	Lower	Upper
62	100		
64	36.3	11.1	51.1

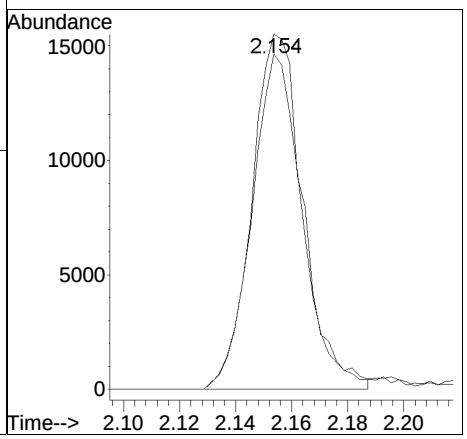


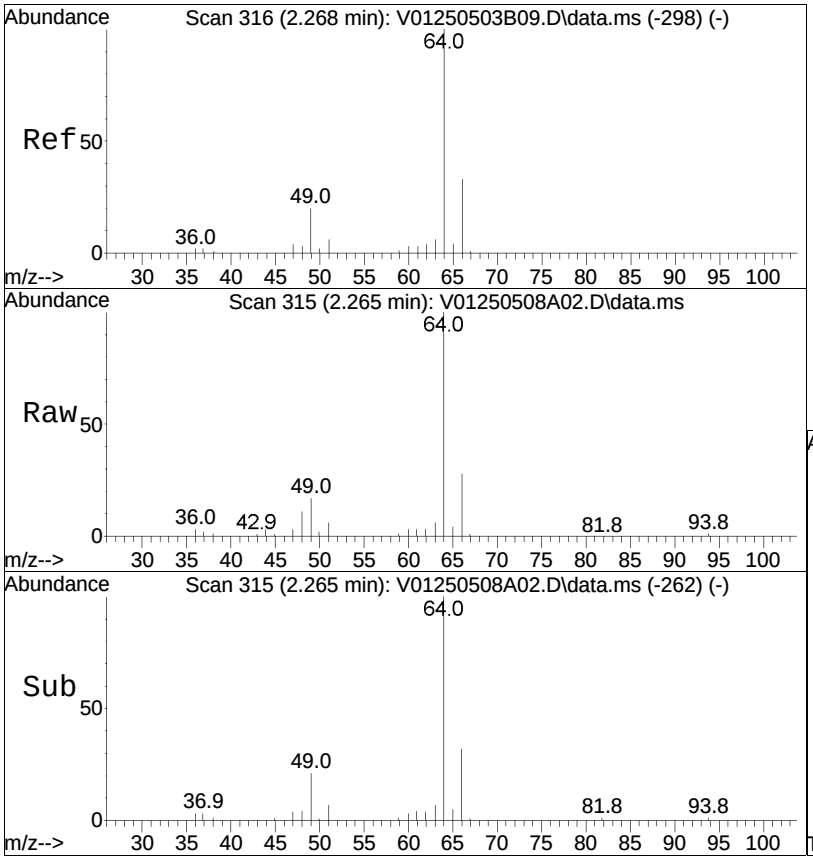


#5
Bromomethane
Concen: 7.37 ug/L
RT: 2.154 min Scan# 275
Delta R.T. -0.002 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 94 Resp: 19717

Ion	Ratio	Lower	Upper
94	100		
96	94.6	71.1	111.1

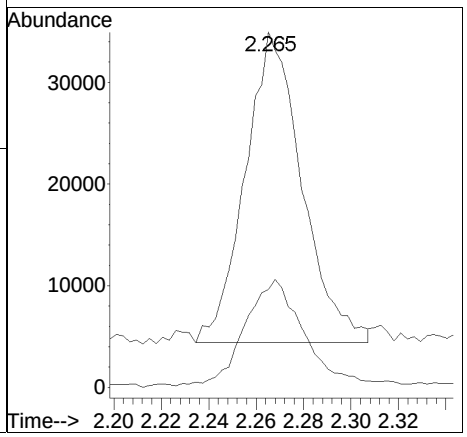


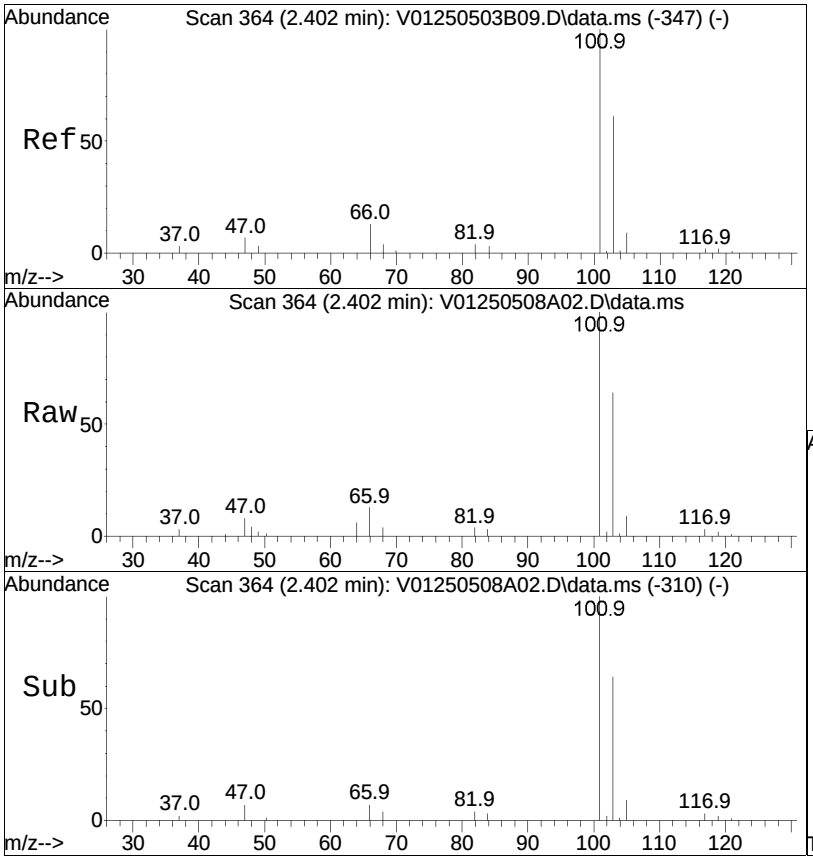


#6
Chloroethane
Concen: 8.90 ug/L
RT: 2.265 min Scan# 315
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 64 Resp: 51023

Ion	Ratio	Lower	Upper
64	100		
66	35.4	10.3	50.3

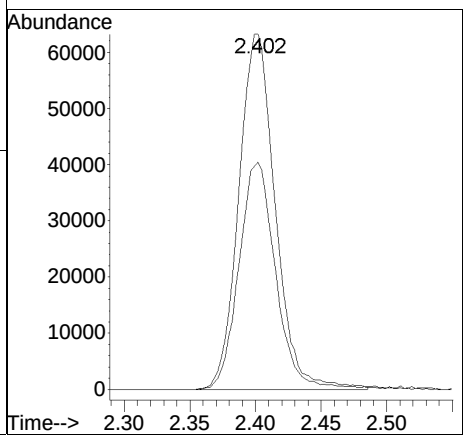


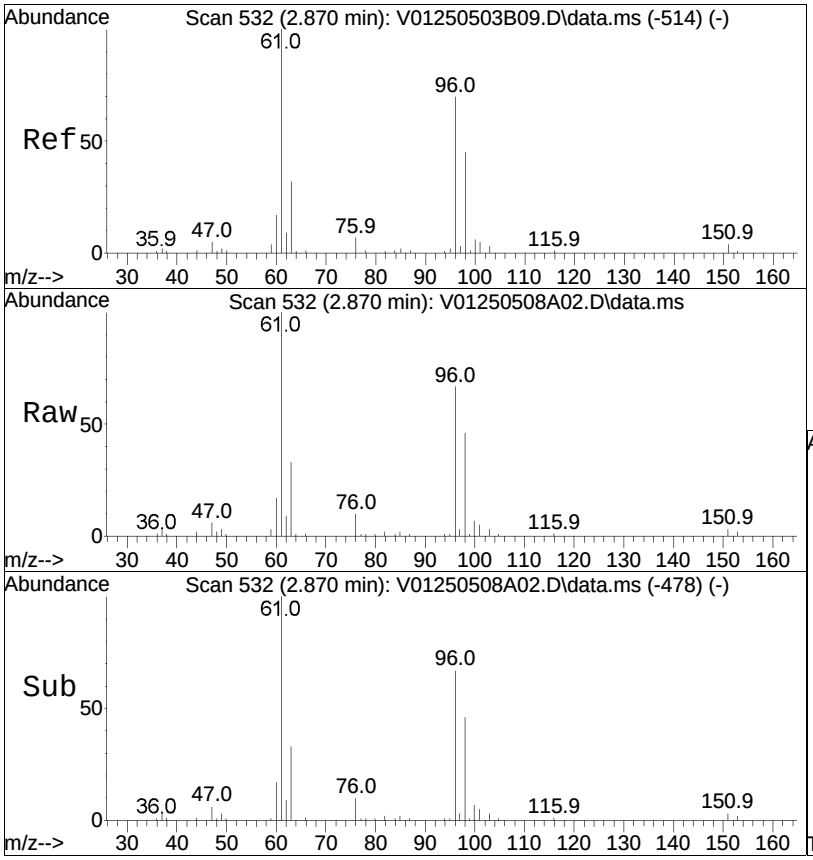


#7
Trichlorofluoromethane
Concen: 9.06 ug/L
RT: 2.402 min Scan# 364
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:101 Resp: 122751

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.0	76.4

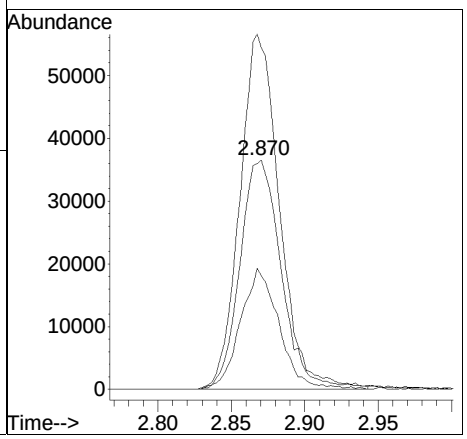


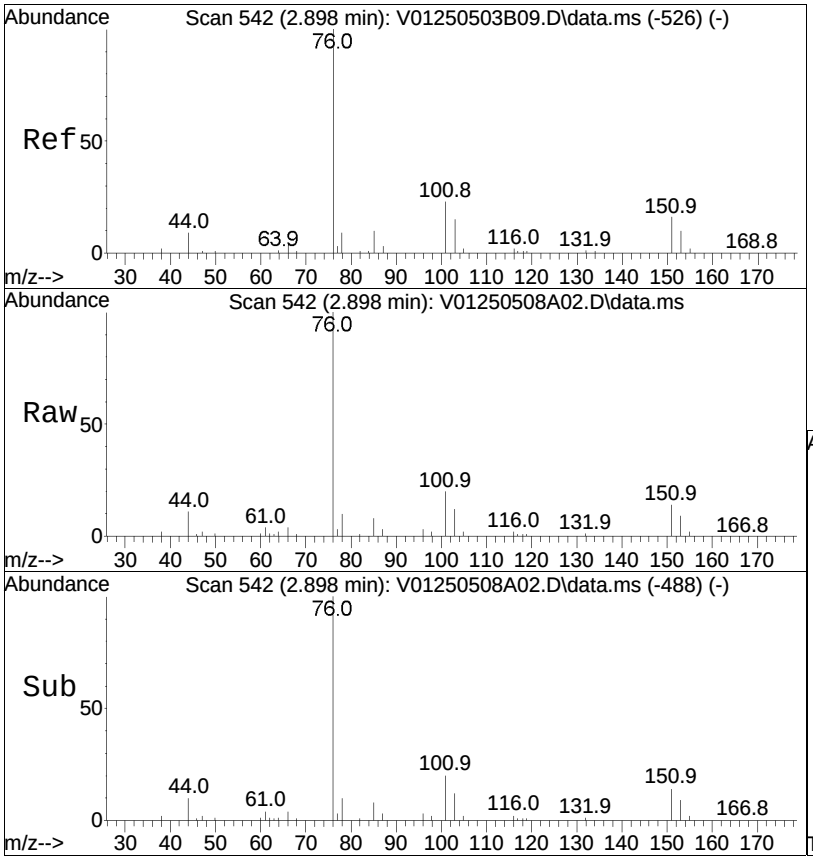


#10
1,1-Dichloroethene
Concen: 8.63 ug/L
RT: 2.870 min Scan# 532
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 96 Resp: 71869

Ion	Ratio	Lower	Upper
96	100		
61	148.0	165.0	247.4#
63	49.0	50.2	75.4#

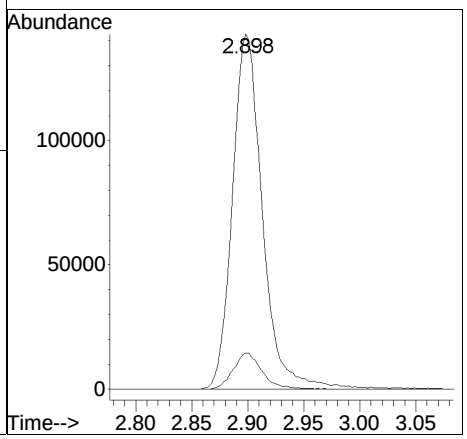


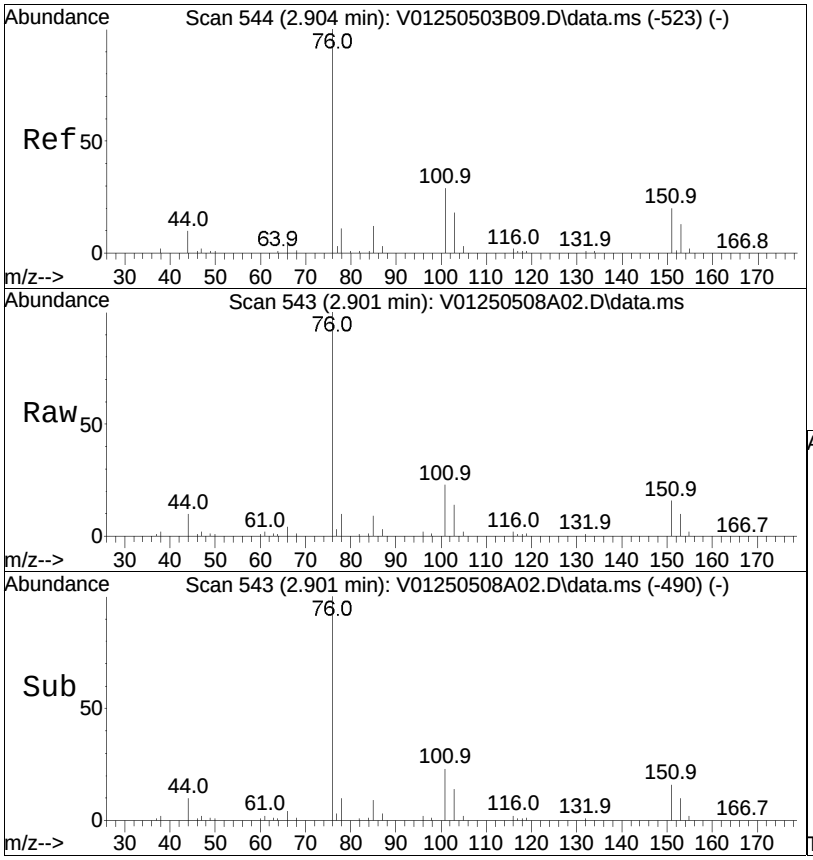


#11
Carbon disulfide
Concen: 9.59 ug/L
RT: 2.898 min Scan# 542
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 76 Resp: 266455

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.4	13.2

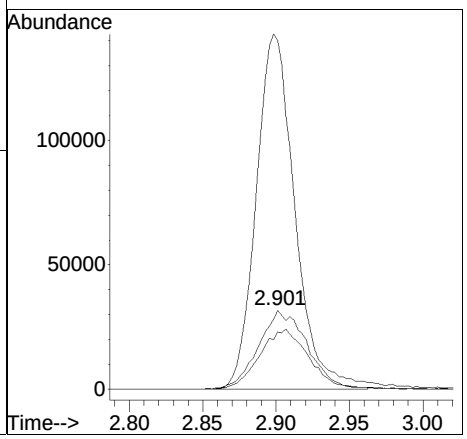


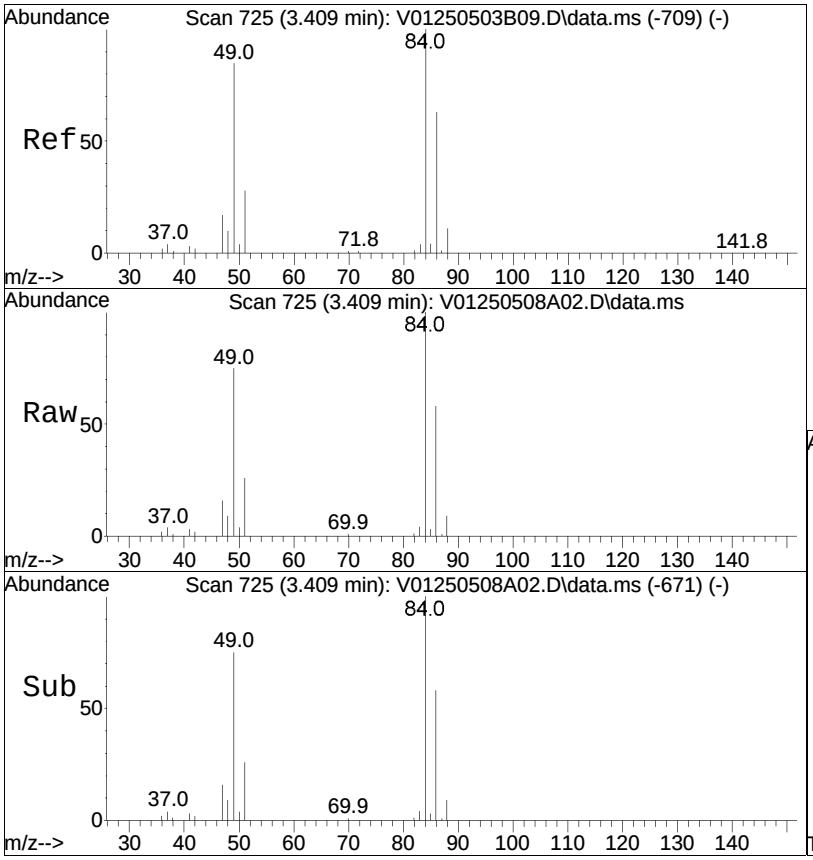


#12
Freon-113
Concen: 8.80 ug/L
RT: 2.901 min Scan# 543
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:101 Resp: 73920

Ion	Ratio	Lower	Upper
101	100		
151	76.7	58.2	87.4
76	360.5	226.4	339.6#

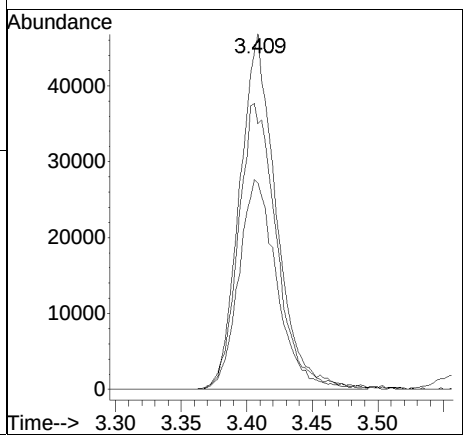


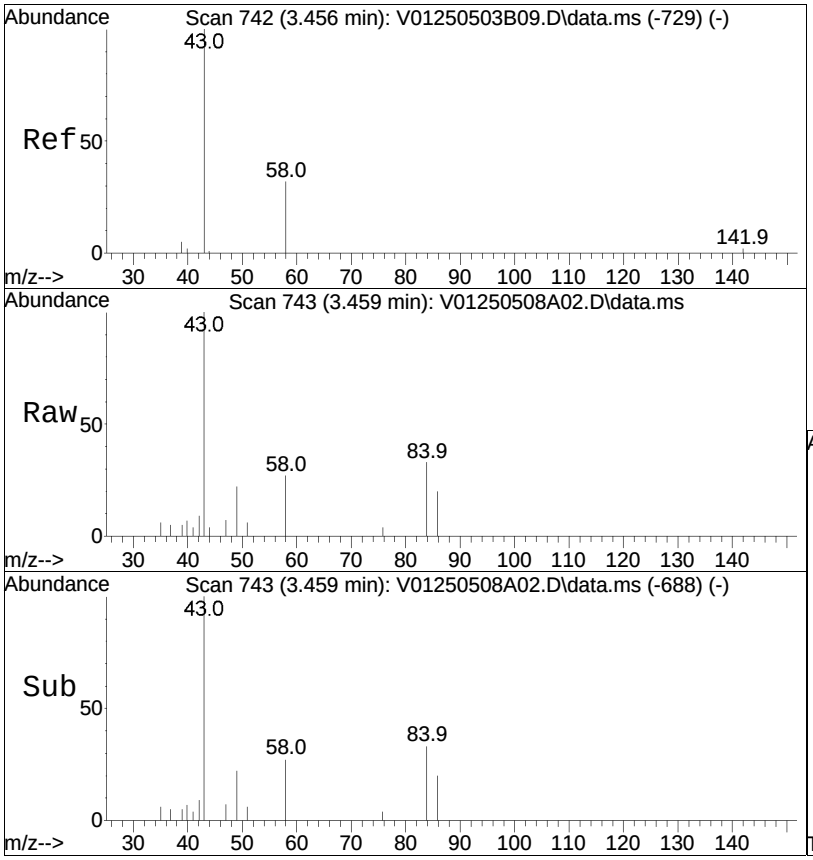


#15
Methylene chloride
Concen: 9.40 ug/L
RT: 3.409 min Scan# 725
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 84 Resp: 91139

Ion	Ratio	Lower	Upper
84	100		
86	61.7	41.4	86.0
49	83.9	107.6	223.4#

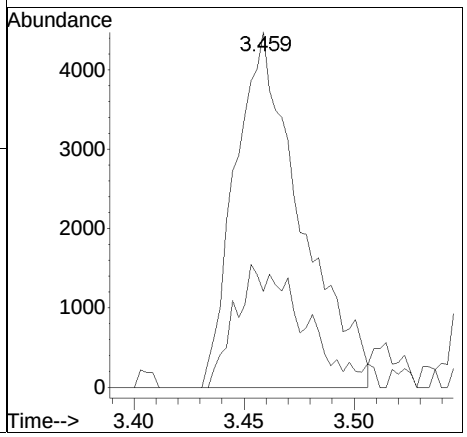


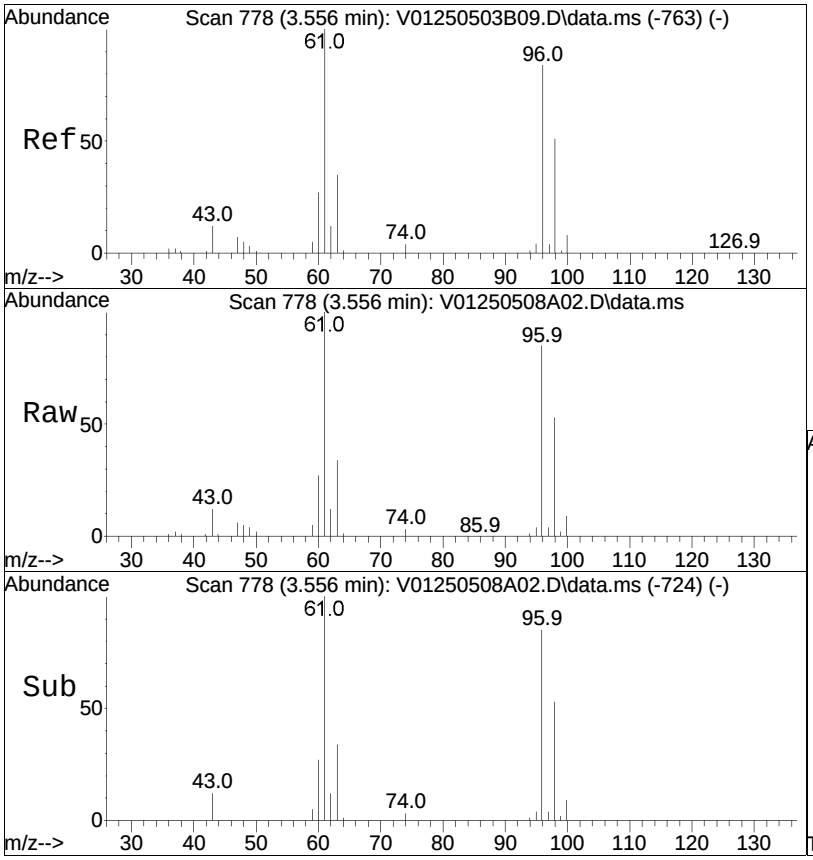


#17
Acetone
Concen: 9.53 ug/L
RT: 3.459 min Scan# 743
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 43 Resp: 9285

Ion	Ratio	Lower	Upper
43	100		
58	15.0	26.2	39.2#

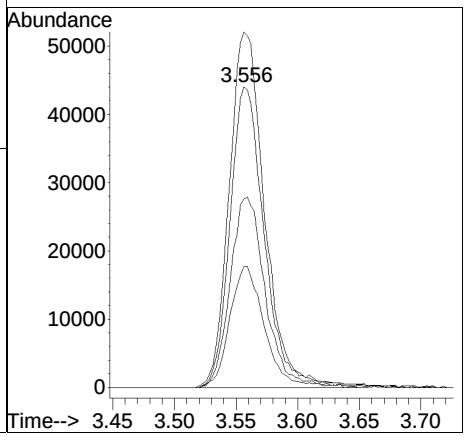


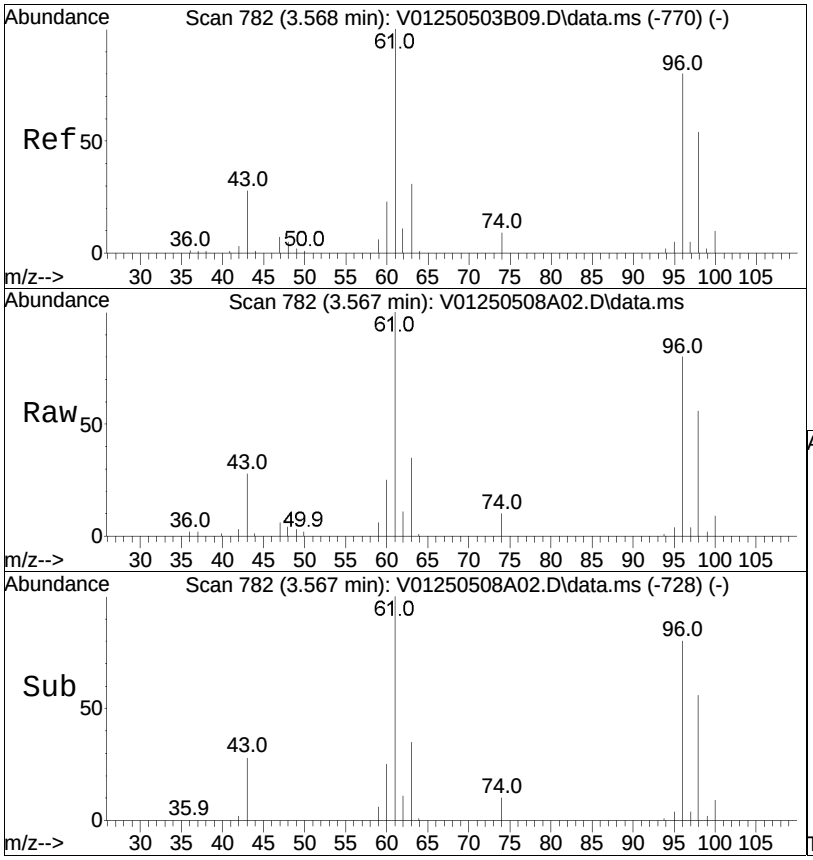


#18
trans-1,2-Dichloroethene
Concen: 9.37 ug/L
RT: 3.556 min Scan# 778
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 96 Resp: 85764

Ion	Ratio	Lower	Upper
96	100		
61	122.1	111.9	232.3
98	64.2	41.7	86.7
63	40.3	34.6	72.0

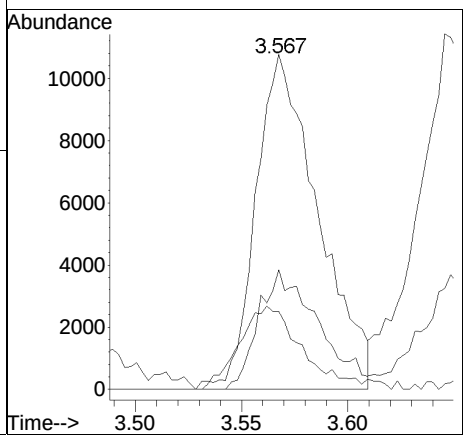


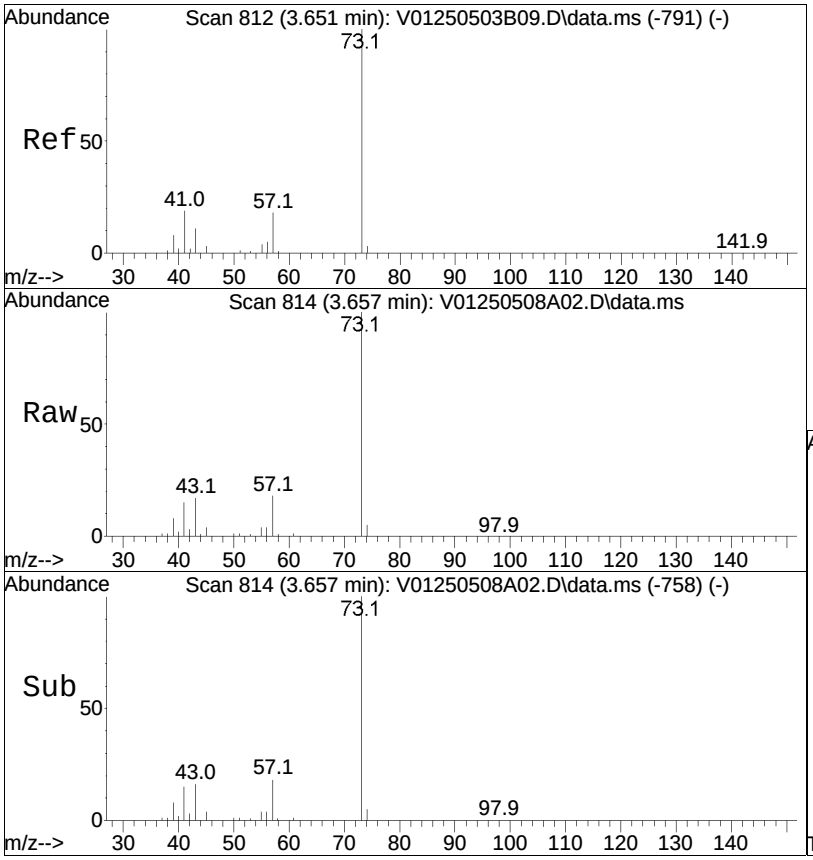


#19
Methyl acetate
Concen: 9.12 ug/L
RT: 3.567 min Scan# 782
Delta R.T. -0.001 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 43 Resp: 21898

Ion	Ratio	Lower	Upper
43	100		
74	34.1	14.1	21.1#
59	24.8	16.6	25.0

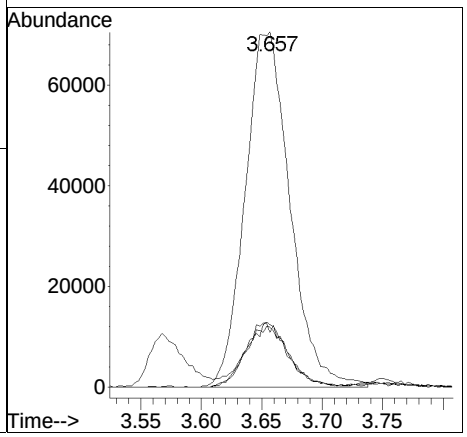


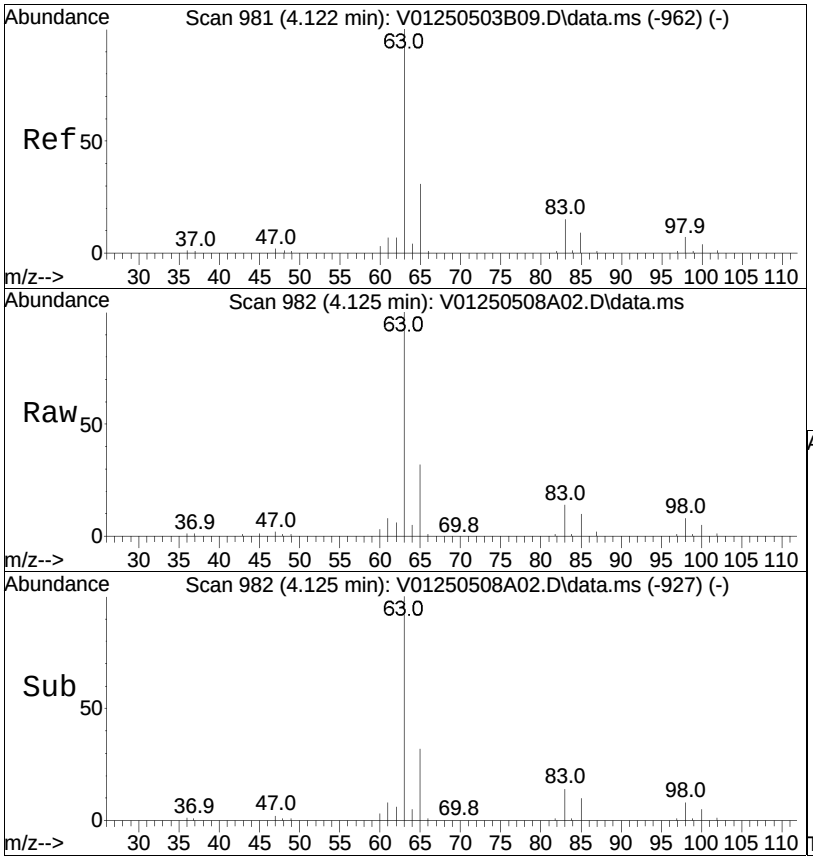


#20
Methyl tert-butyl ether
Concen: 9.69 ug/L
RT: 3.657 min Scan# 814
Delta R.T. 0.006 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 73 Resp: 182751

Ion	Ratio	Lower	Upper
73	100		
57	17.6	18.7	38.7#
43	16.3	17.4	36.2#
41	16.9	17.0	35.4#

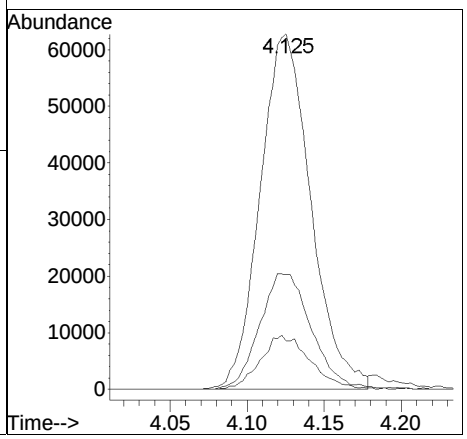


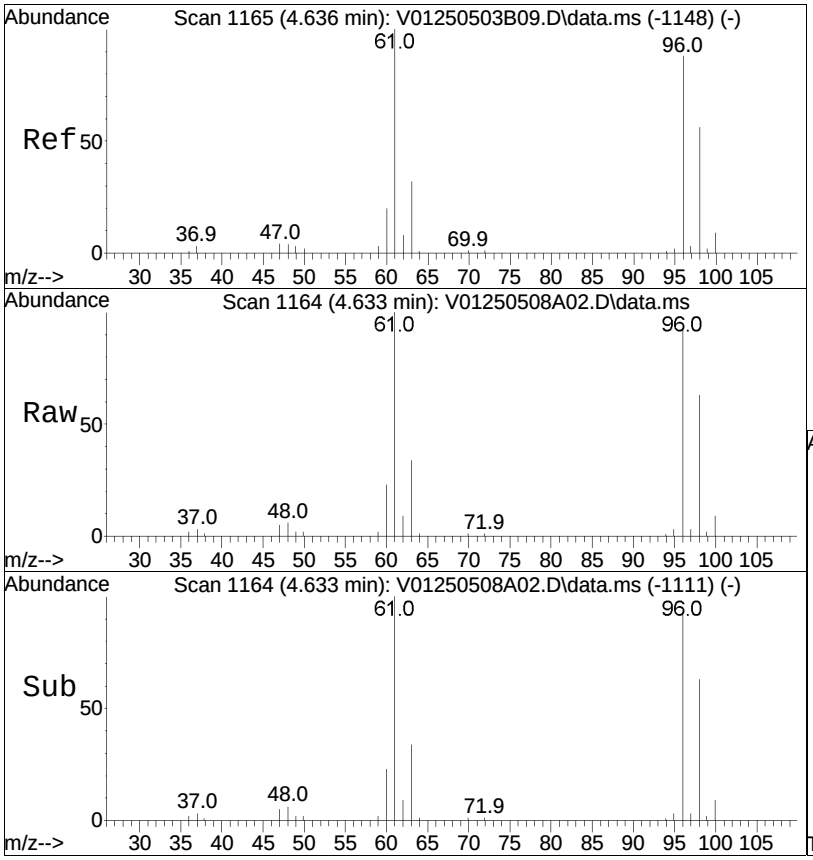


#23
1,1-Dichloroethane
Concen: 9.05 ug/L
RT: 4.125 min Scan# 982
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 63 Resp: 143735

Ion	Ratio	Lower	Upper
63	100		
65	33.2	9.1	49.1
83	15.0	0.0	31.4

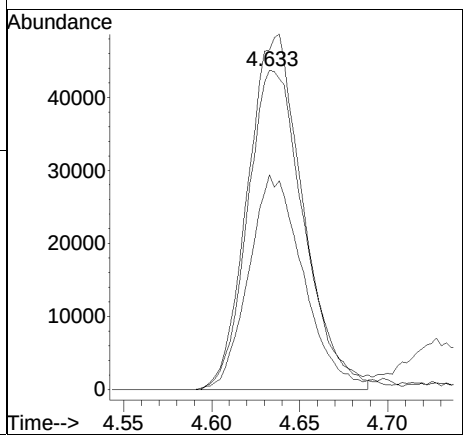


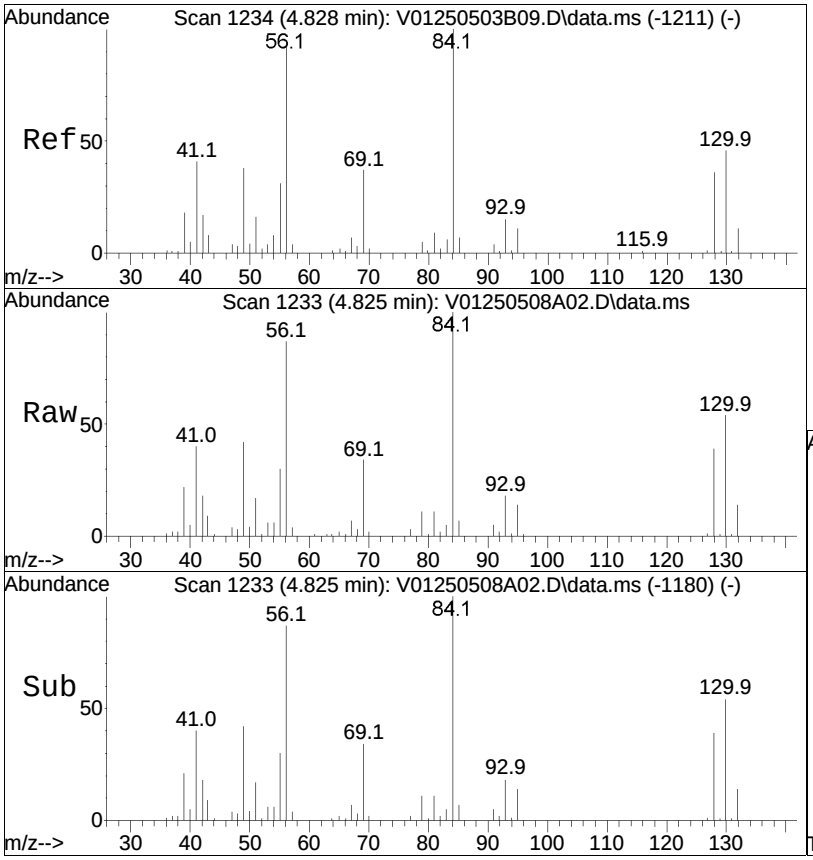


#28
cis-1,2-Dichloroethene
Concen: 9.53 ug/L
RT: 4.633 min Scan# 1164
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 96 Resp: 96925

Ion	Ratio	Lower	Upper
96	100		
61	110.2	128.3	192.5#
98	66.3	52.5	78.7

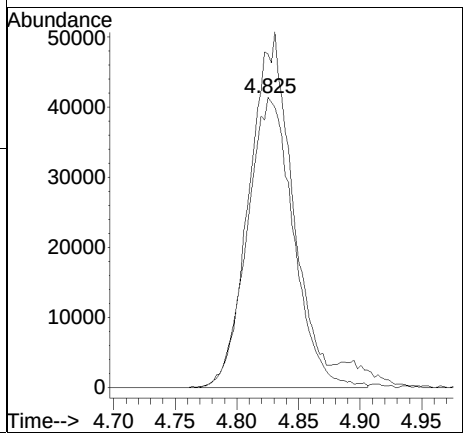


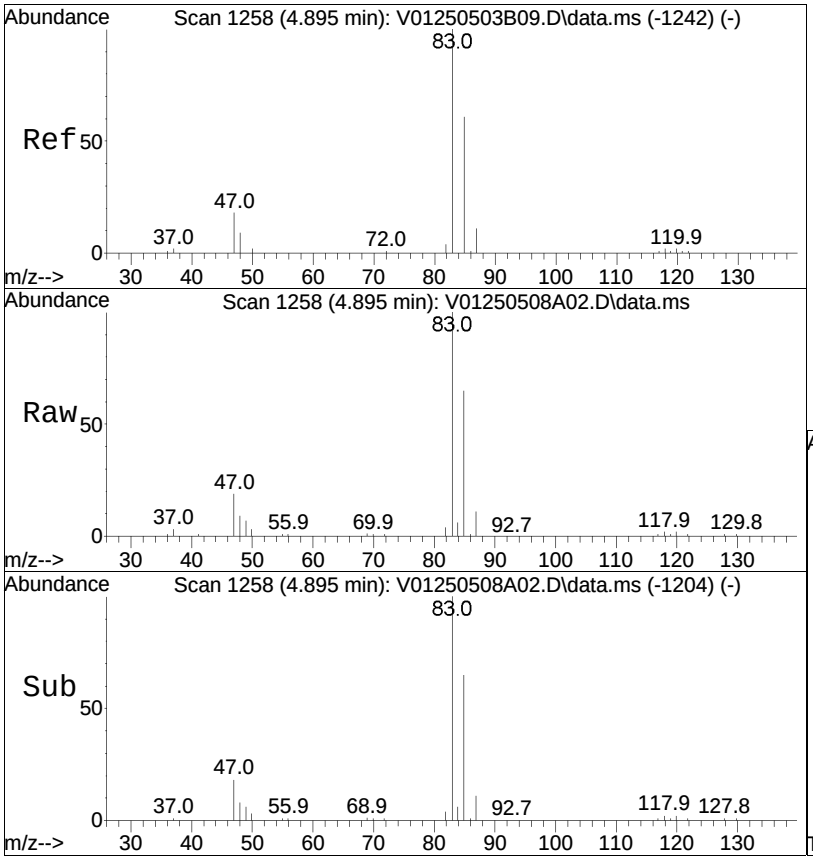


#31
Cyclohexane
Concen: 8.05 ug/L
RT: 4.825 min Scan# 1233
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 56 Resp: 107720

Ion	Ratio	Lower	Upper
56	100		
84	114.7	43.4	90.2#

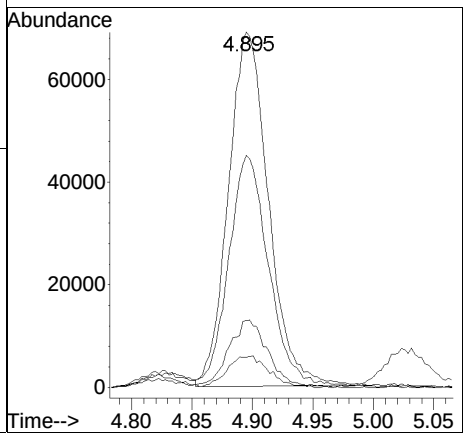


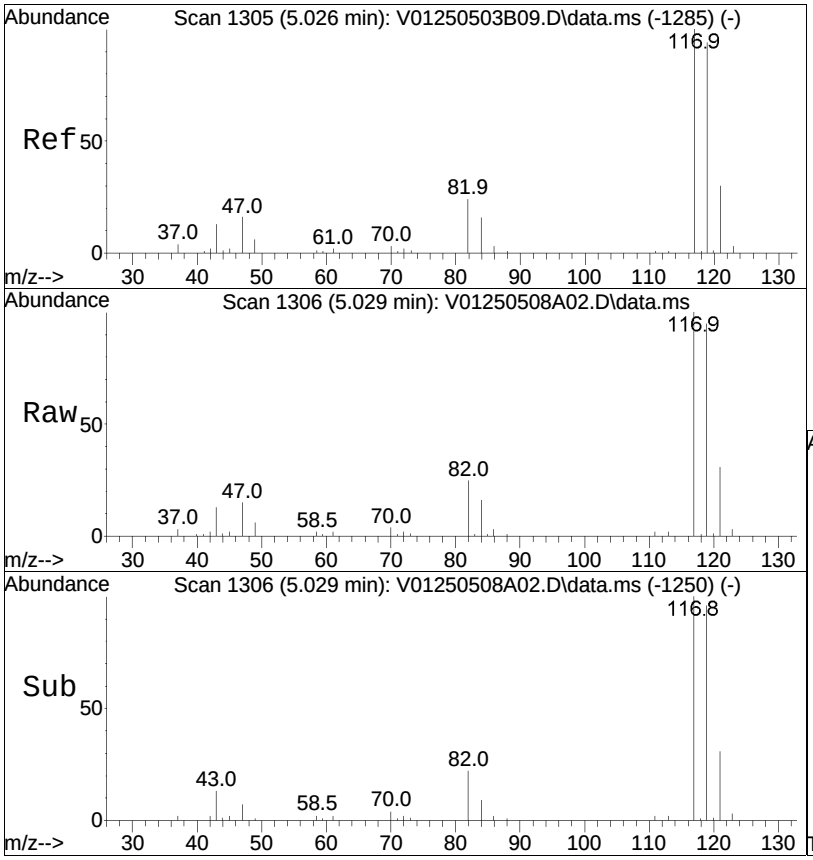


#32
Chloroform
Concen: 9.63 ug/L
RT: 4.895 min Scan# 1258
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 83 Resp: 159495

Ion	Ratio	Lower	Upper
83	100		
85	61.3	41.1	85.3
47	18.2	19.6	40.6#
48	9.2	9.9	20.5#

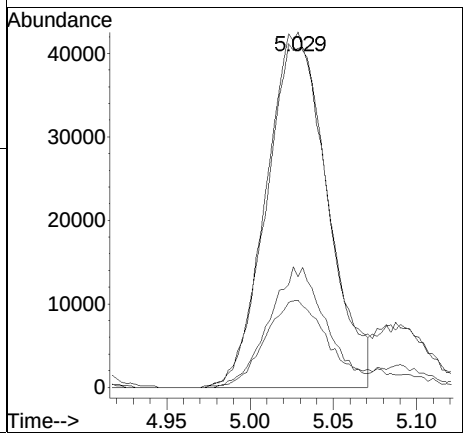


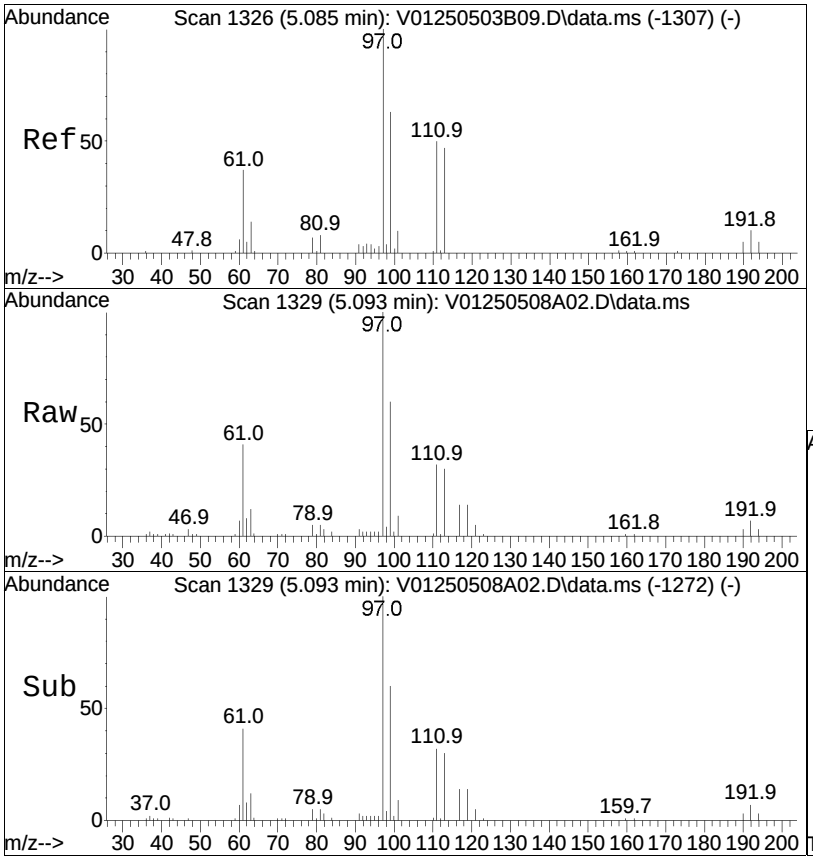


#34
Carbon tetrachloride
Concen: 8.82 ug/L
RT: 5.029 min Scan# 1306
Delta R.T. 0.006 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:117 Resp: 108659

Ion	Ratio	Lower	Upper
117	100		
119	97.0	64.2	133.4
121	31.8	20.0	41.4
82	25.0	16.1	33.3

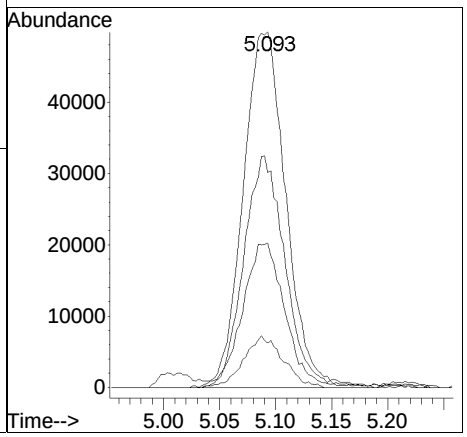


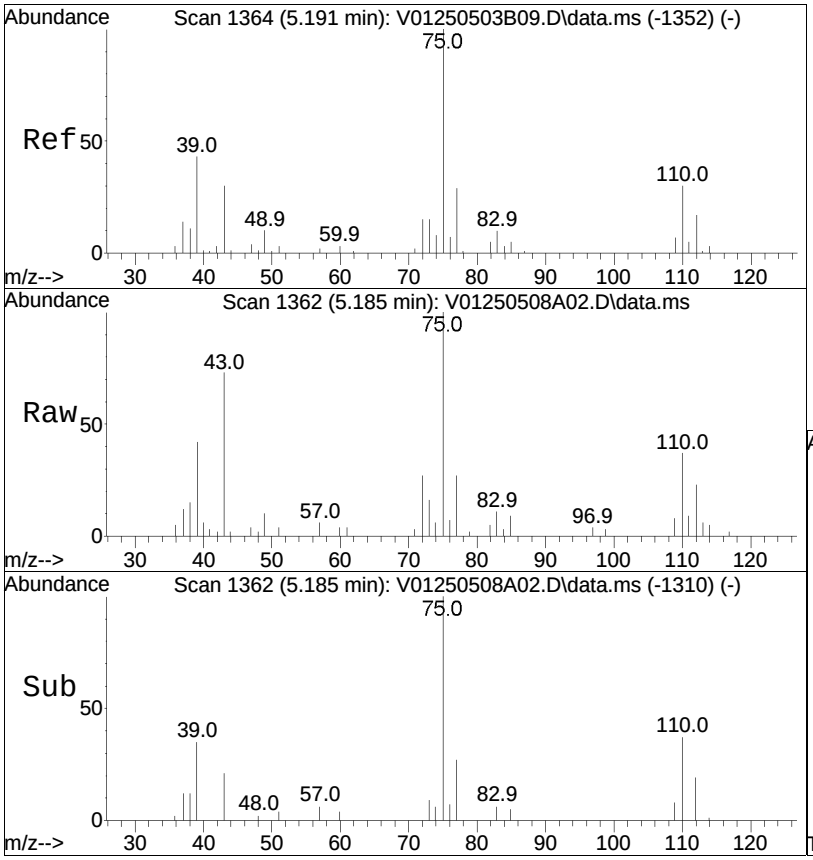


#37
1,1,1-Trichloroethane
Concen: 9.38 ug/L
RT: 5.093 min Scan# 1329
Delta R.T. 0.008 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 97 Resp: 132453

Ion	Ratio	Lower	Upper
97	100		
99	62.8	41.3	85.9
61	38.4	33.3	69.3
63	13.3	10.4	21.6

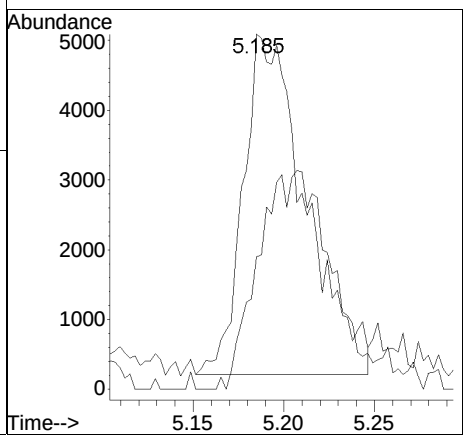


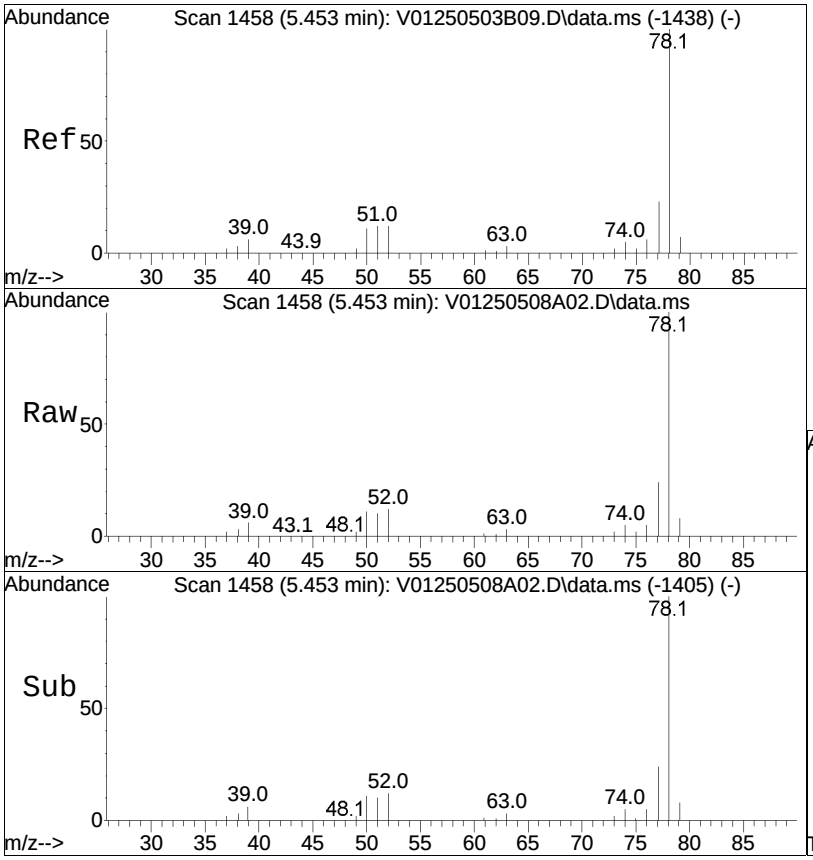


#39
2-Butanone
Concen: 8.53 ug/L
RT: 5.185 min Scan# 1362
Delta R.T. -0.006 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 43 Resp: 11623

Ion	Ratio	Lower	Upper
43	100		
72	31.9	20.6	31.0#

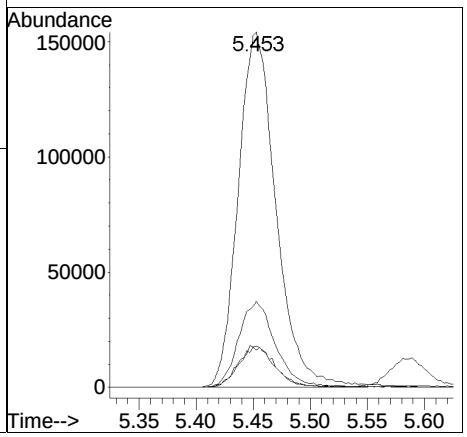


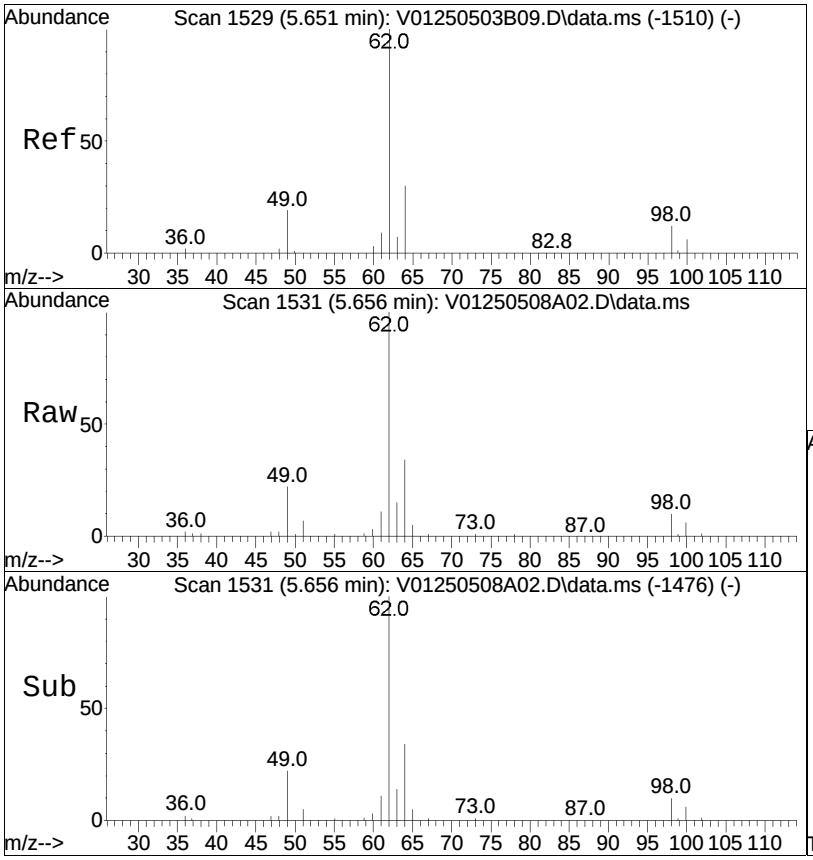


#41
Benzene
Concen: 9.37 ug/L
RT: 5.453 min Scan# 1458
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 78 Resp: 355196

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.6	32.4
51	11.3	14.6	30.2#
52	11.3	14.0	29.2#

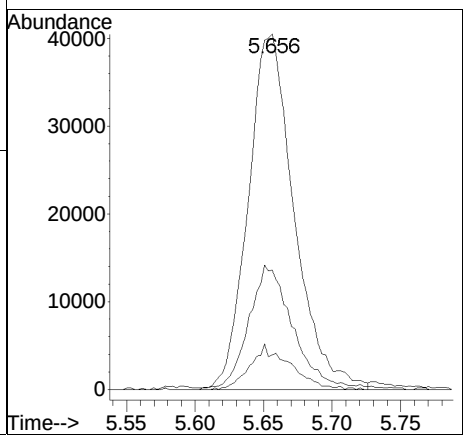


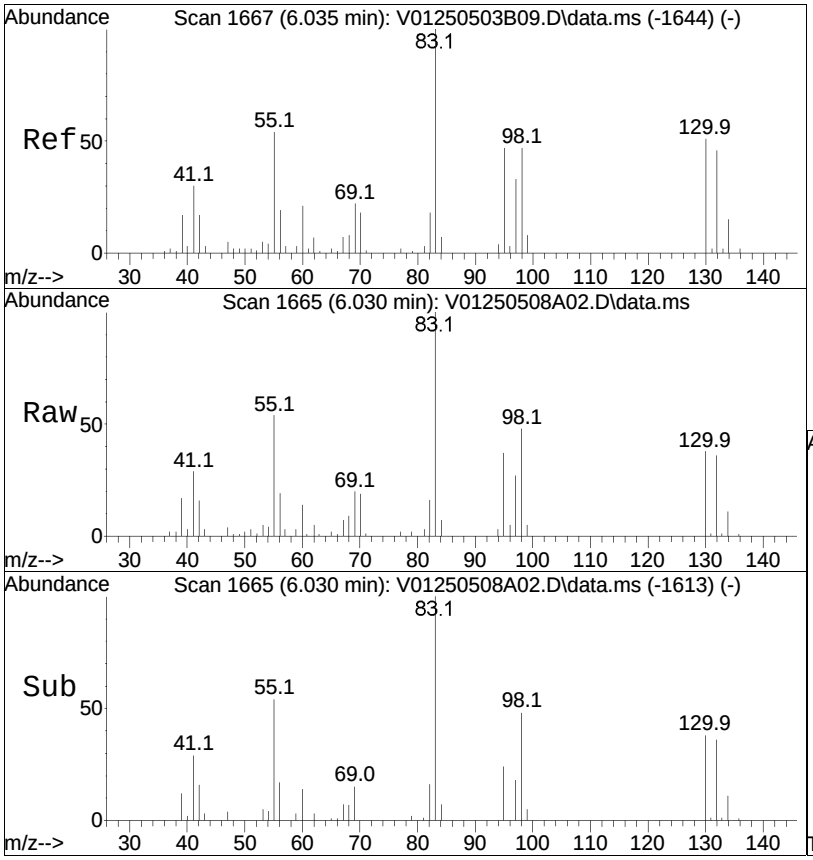


#44
1,2-Dichloroethane
Concen: 9.78 ug/L
RT: 5.656 min Scan# 1531
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 62 Resp: 94608

Ion	Ratio	Lower	Upper
62	100		
64	32.3	10.4	50.4
98	11.0	0.0	28.0

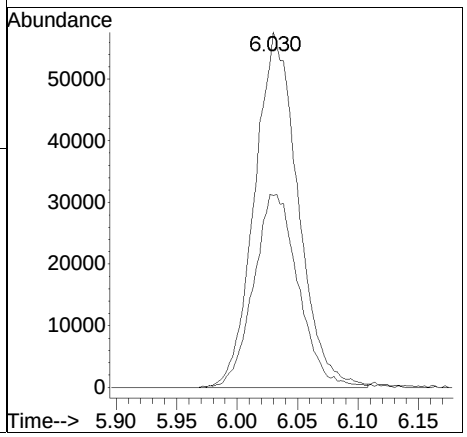


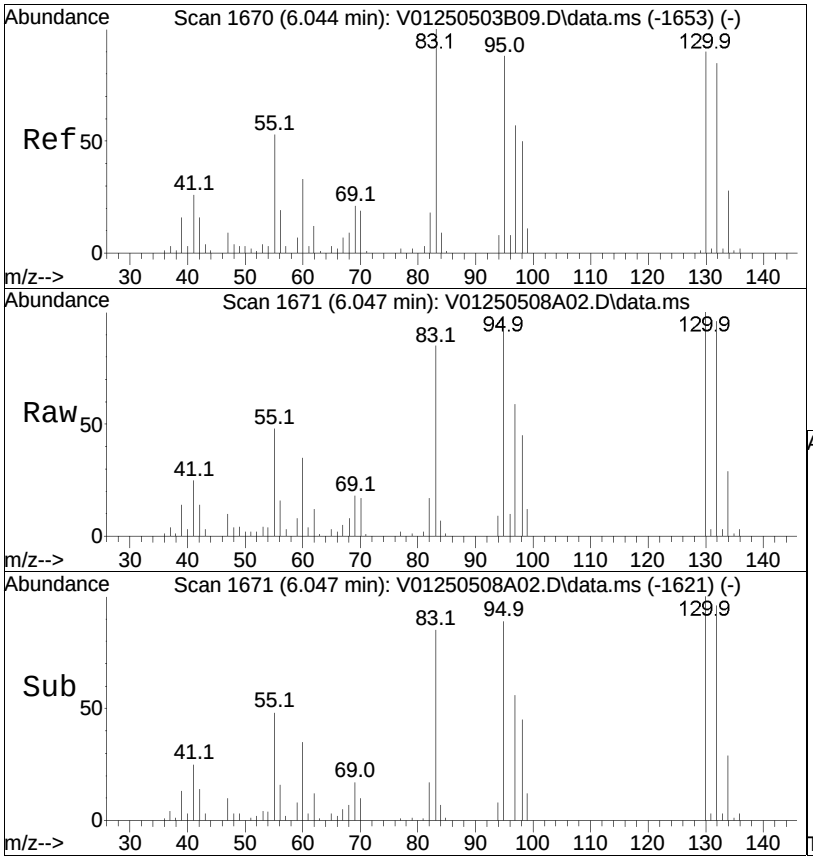


#47
Methyl cyclohexane
Concen: 8.55 ug/L
RT: 6.030 min Scan# 1665
Delta R.T. -0.005 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 83 Resp: 143927

Ion	Ratio	Lower	Upper
83	100		
55	56.1	79.3	118.9#

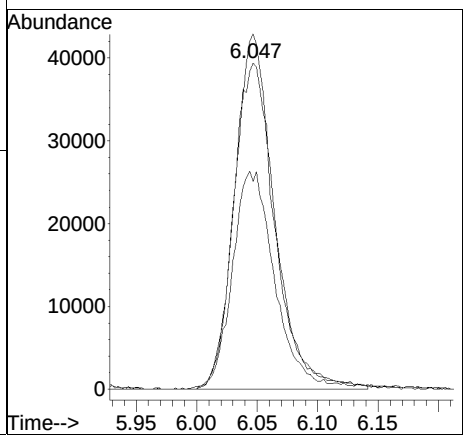


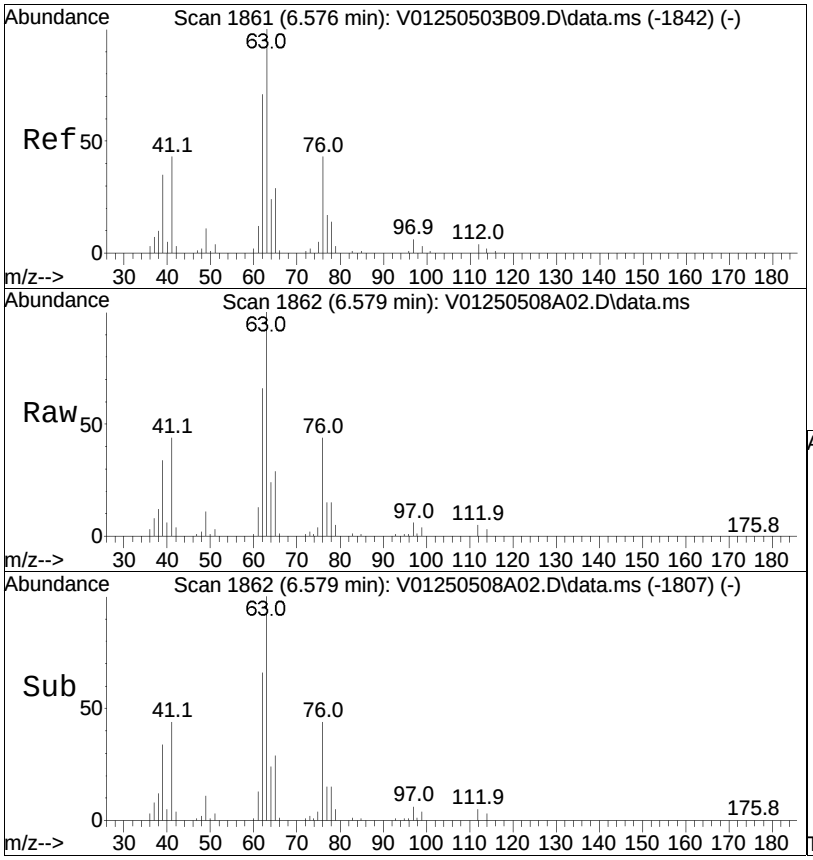


#48
Trichloroethene
Concen: 9.41 ug/L
RT: 6.047 min Scan# 1671
Delta R.T. -0.011 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 95 Resp: 94450

Ion	Ratio	Lower	Upper
95	100		
97	67.6	55.8	83.6
130	104.7	82.4	123.6

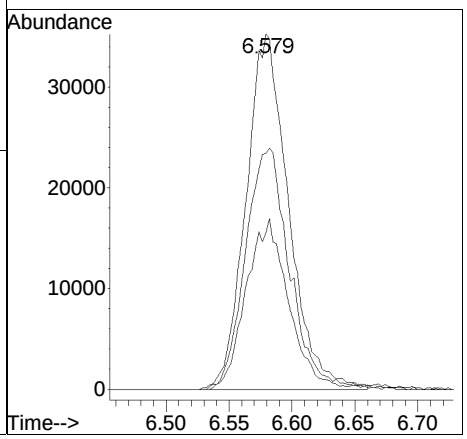


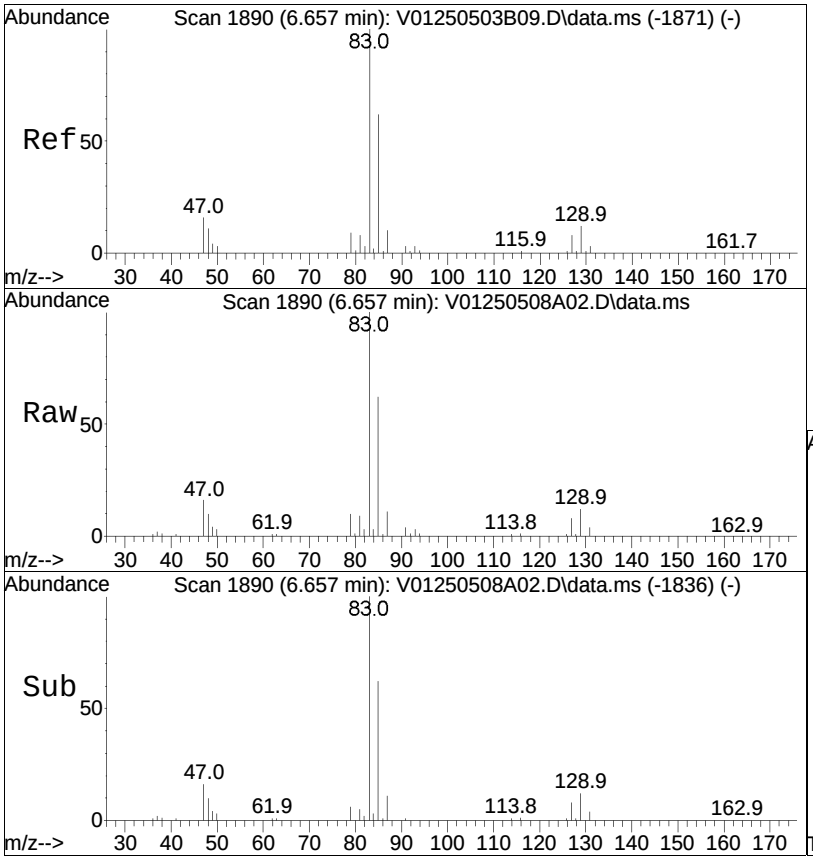


#51
1,2-Dichloropropane
Concen: 9.40 ug/L
RT: 6.579 min Scan# 1862
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 63 Resp: 83012

Ion	Ratio	Lower	Upper
63	100		
62	70.3	58.2	87.2
76	47.7	29.9	44.9#

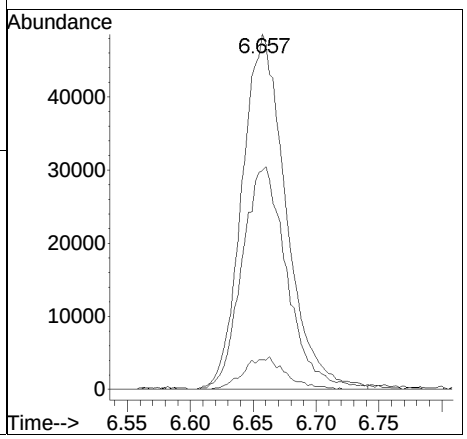


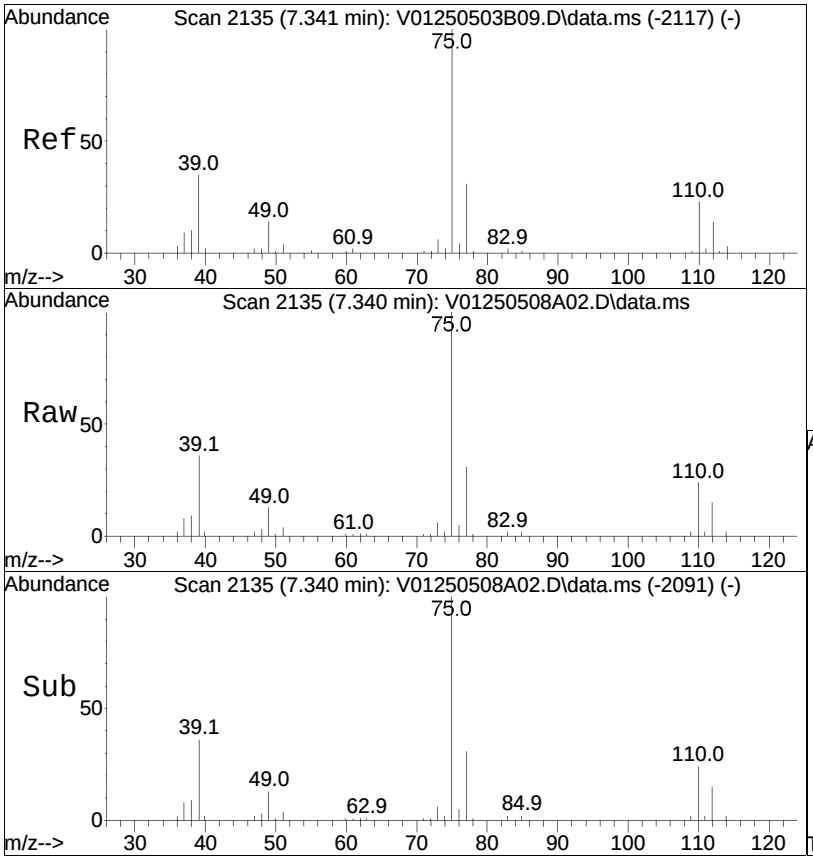


#54
Bromodichloromethane
Concen: 9.69 ug/L
RT: 6.657 min Scan# 1890
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 83 Resp: 118487

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4
127	8.7	6.6	10.0

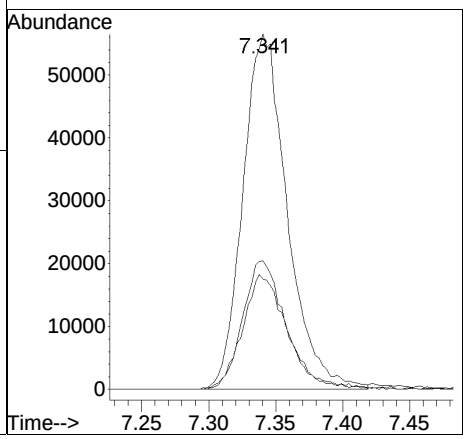


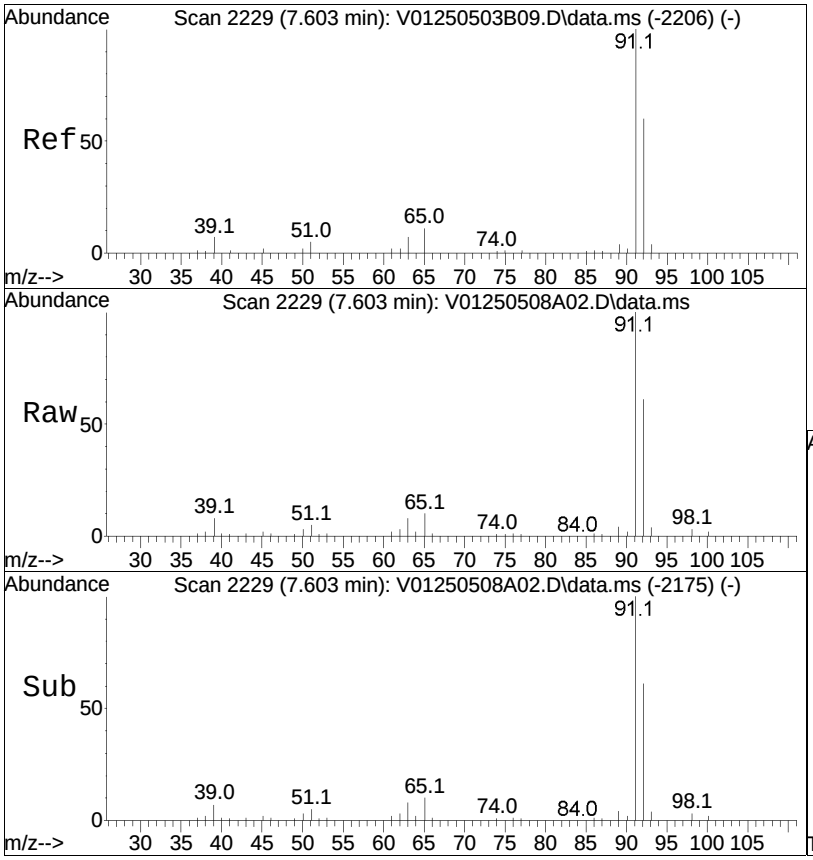


#58
cis-1,3-Dichloropropene
Concen: 9.72 ug/L
RT: 7.340 min Scan# 2135
Delta R.T. -0.028 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 75 Resp: 130120

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.6	40.0
39	35.3	51.0	76.6#

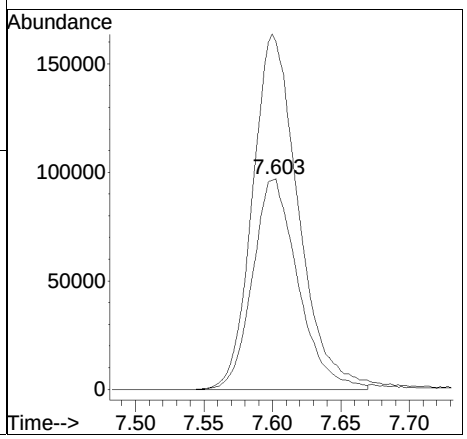


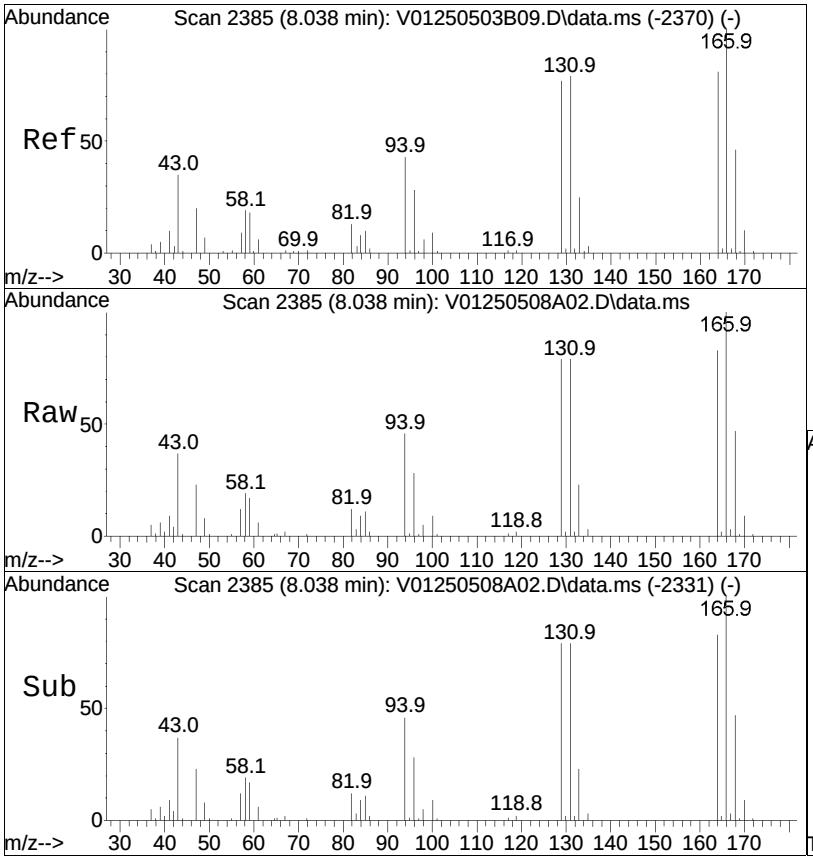


#61
Toluene
Concen: 8.92 ug/L
RT: 7.603 min Scan# 2229
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 92 Resp: 223355

Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.3	204.5

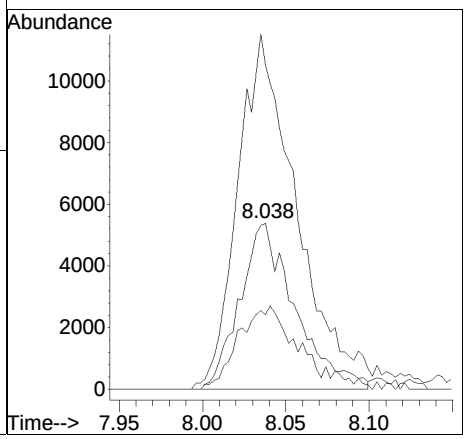


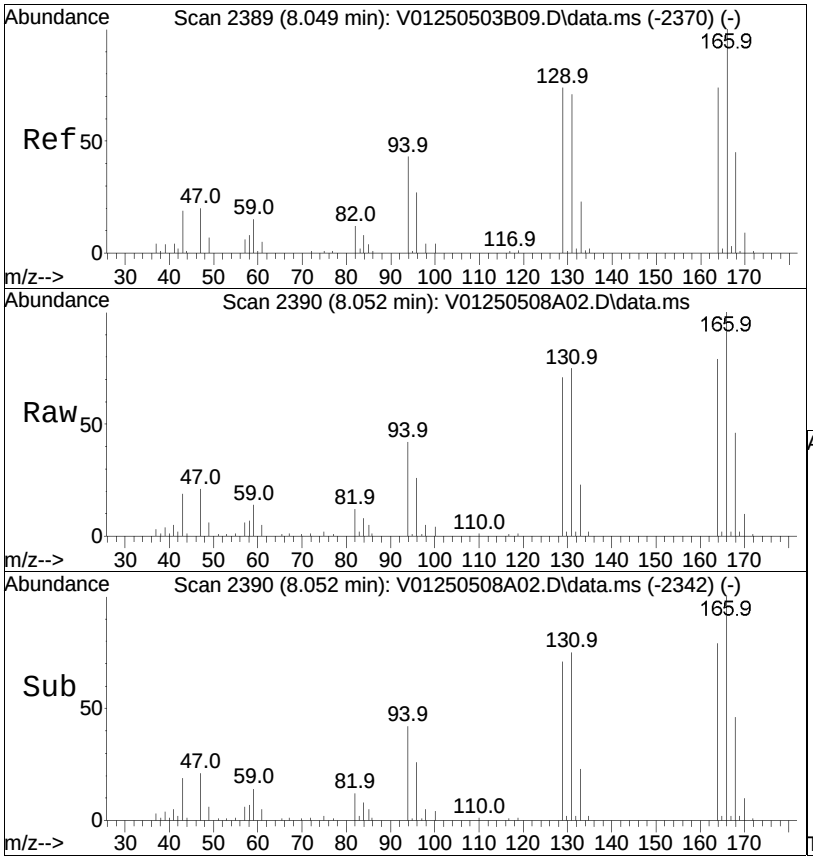


#62
4-Methyl-2-pentanone
Concen: 8.25 ug/L
RT: 8.038 min Scan# 2385
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 58 Resp: 12450

Ion	Ratio	Lower	Upper
58	100		
100	50.7	23.3	34.9#
43	222.1	195.8	293.8

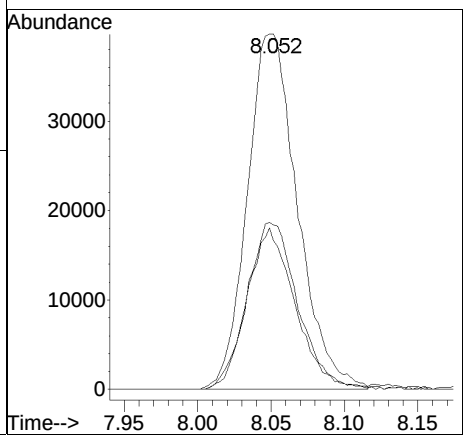


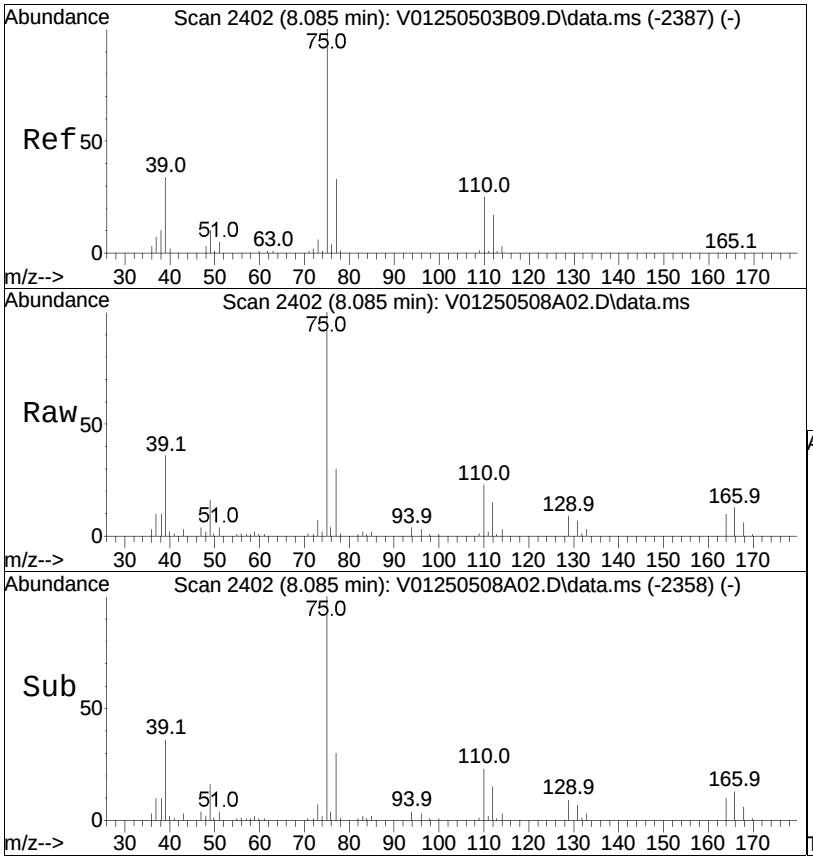


#63
Tetrachloroethene
Concen: 9.33 ug/L
RT: 8.052 min Scan# 2390
Delta R.T. -0.017 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:166 Resp: 94596

Ion	Ratio	Lower	Upper
166	100		
168	47.0	26.9	66.9
94	43.8	26.0	66.0

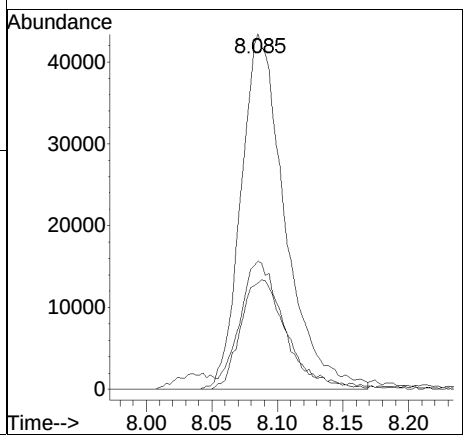


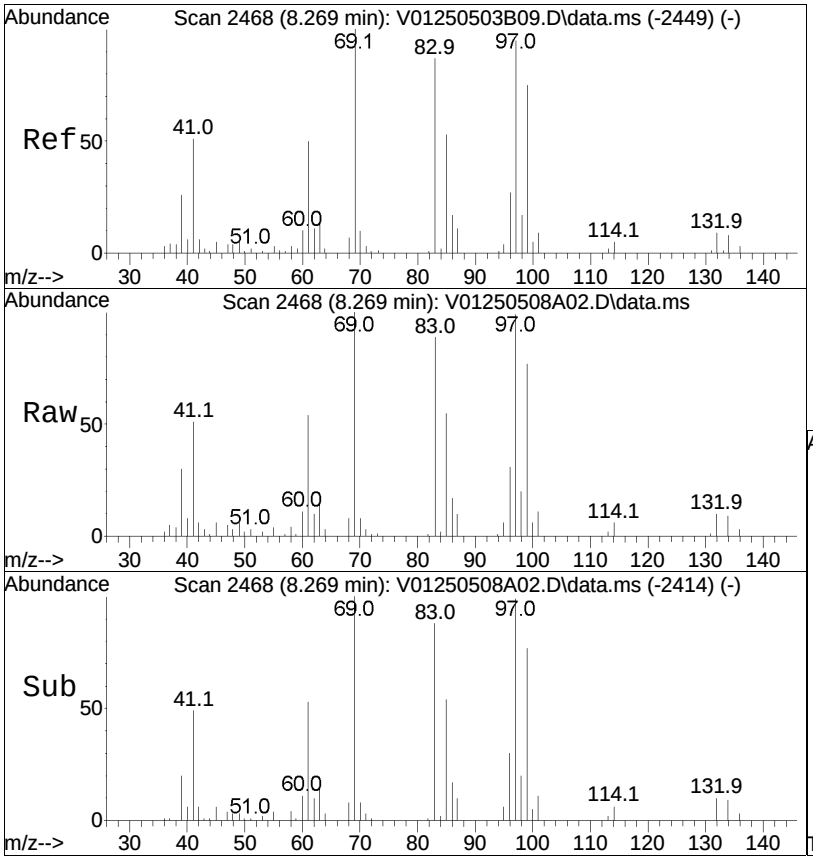


#65
trans-1,3-Dichloropropene
Concen: 8.34 ug/L
RT: 8.085 min Scan# 2402
Delta R.T. -0.028 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 75 Resp: 101368

Ion	Ratio	Lower	Upper
75	100		
77	32.5	12.1	52.1
39	34.2	38.4	78.4#

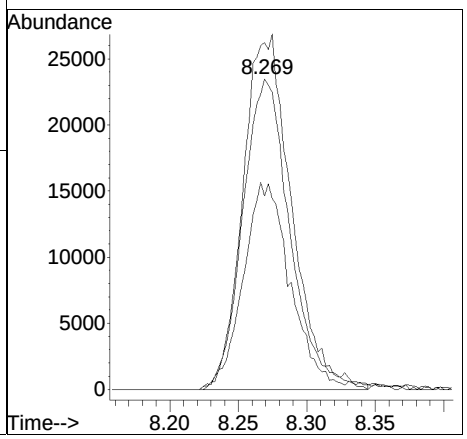


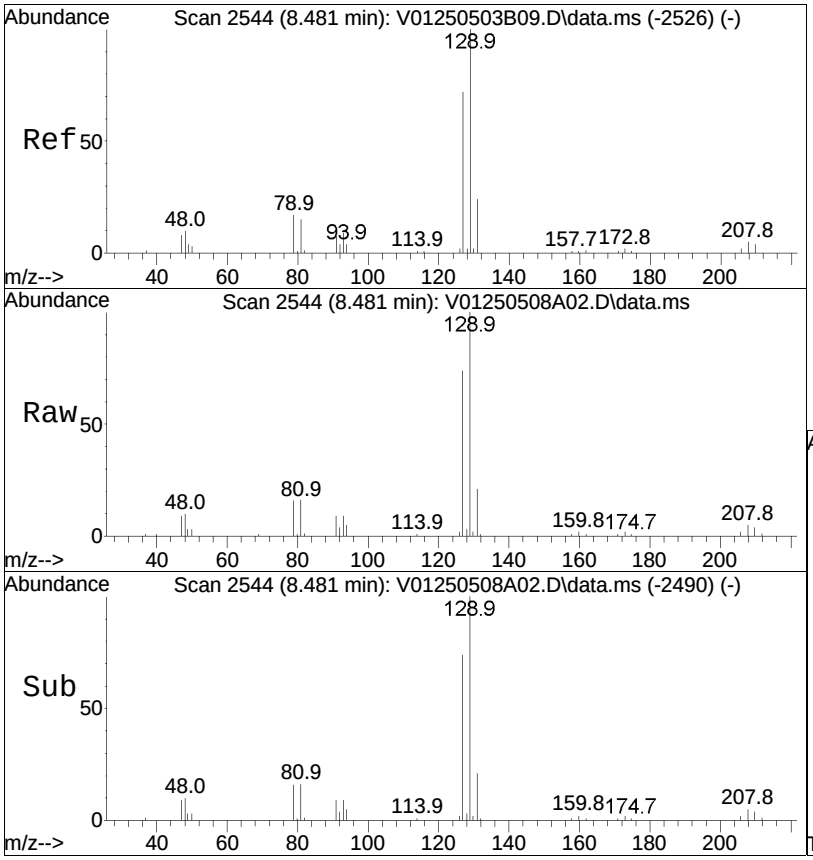


#68
1,1,2-Trichloroethane
Concen: 9.34 ug/L
RT: 8.269 min Scan# 2468
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 83 Resp: 56327

Ion	Ratio	Lower	Upper
83	100		
97	117.6	96.5	136.5
85	66.2	45.7	85.7

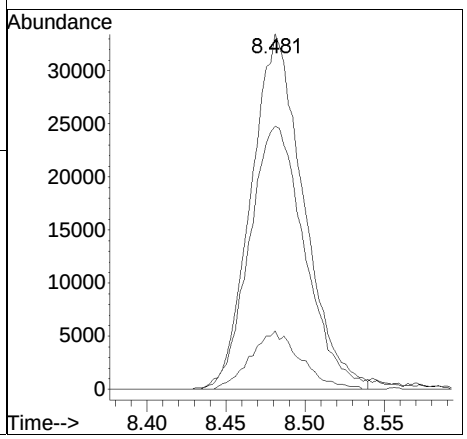


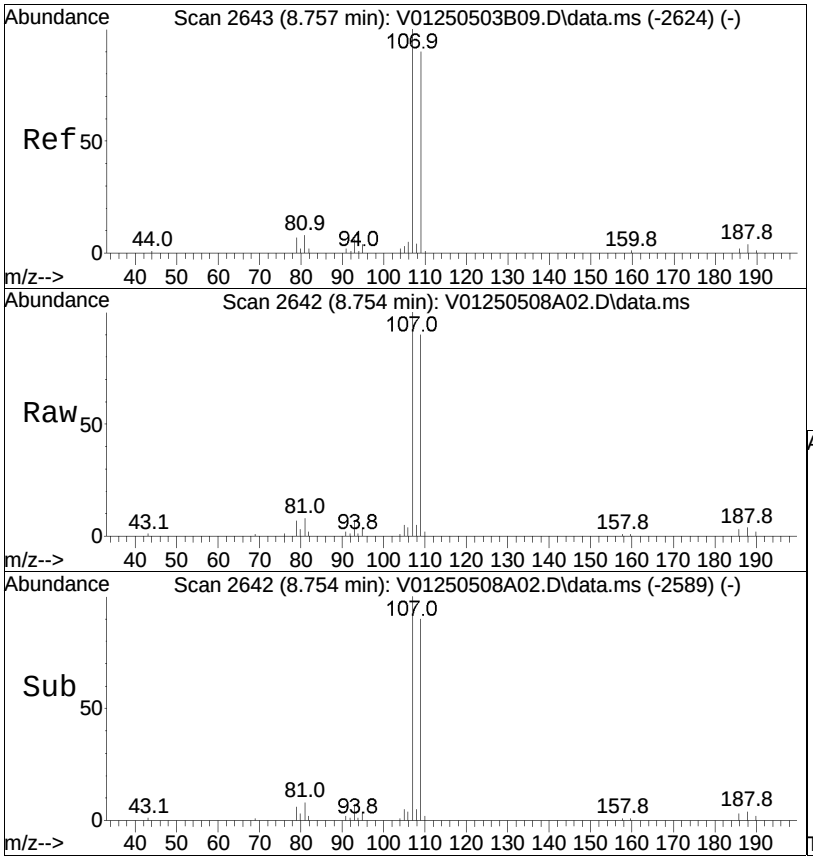


#69
Chlorodibromomethane
Concen: 9.18 ug/L
RT: 8.481 min Scan# 2544
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:129 Resp: 77576

Ion	Ratio	Lower	Upper
129	100		
81	15.8	0.0	36.1
127	79.1	56.9	96.9

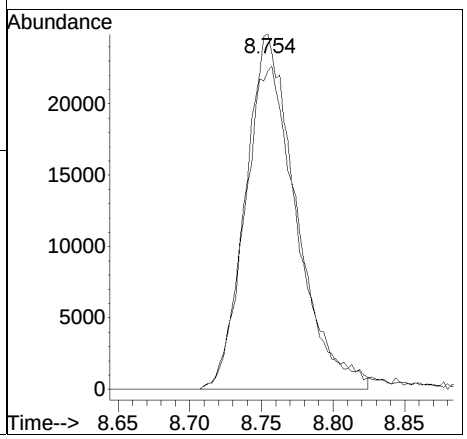


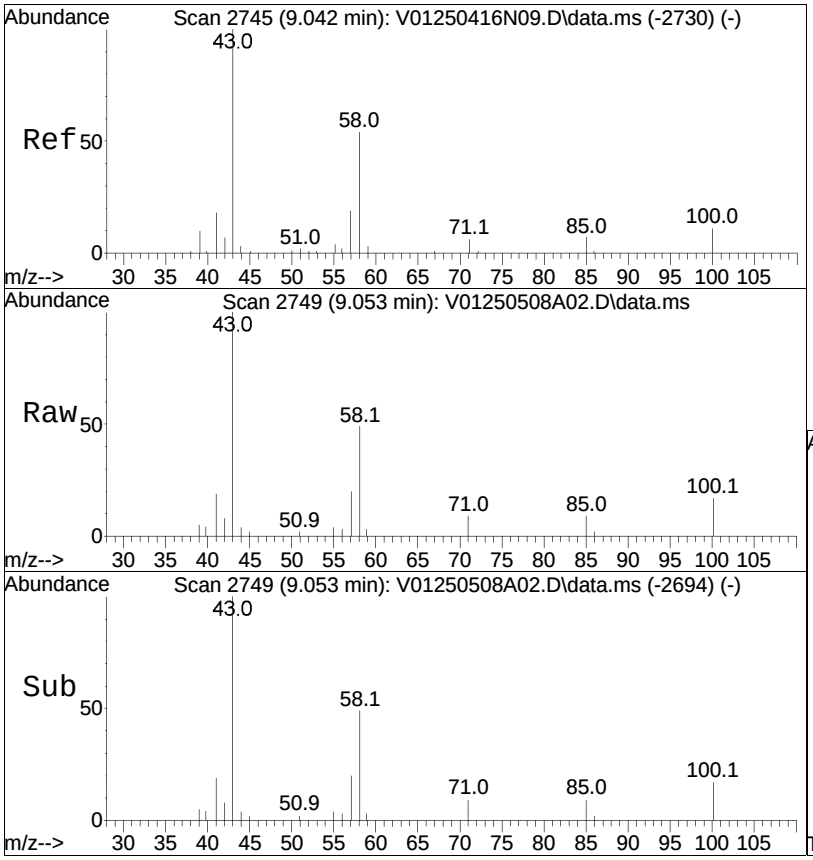


#71
1,2-Dibromoethane
Concen: 9.43 ug/L
RT: 8.754 min Scan# 2642
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:107 Resp: 61774

Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.7	113.5

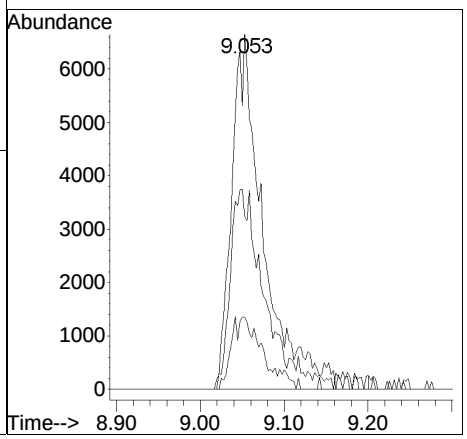


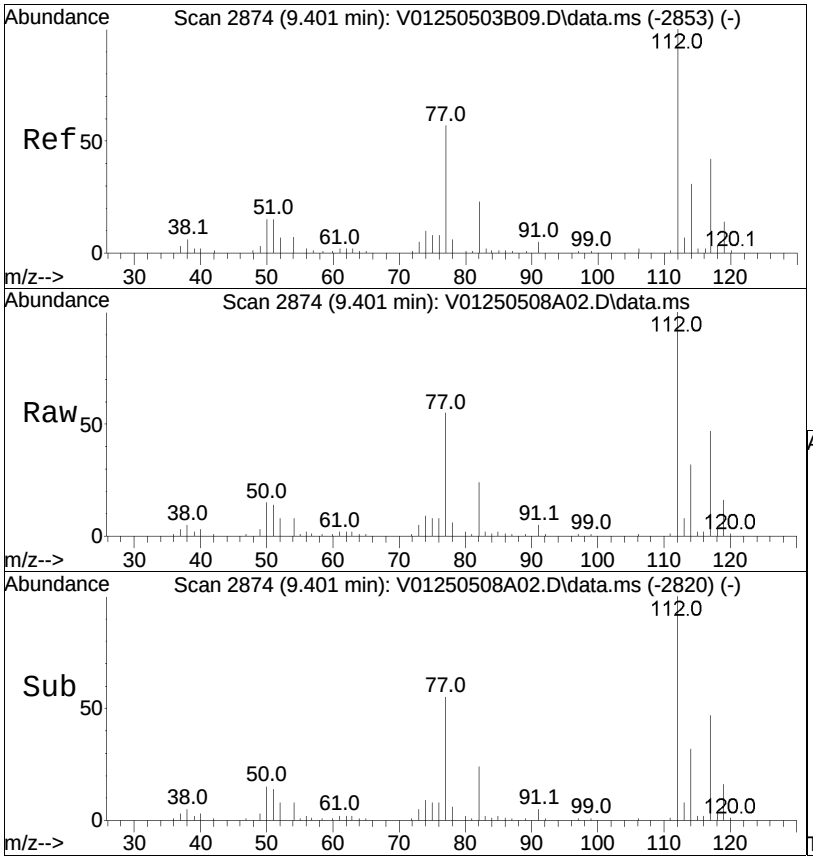


#72
2-Hexanone
Concen: 8.17 ug/L M3
RT: 9.053 min Scan# 2749
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 43 Resp: 17961

Ion	Ratio	Lower	Upper
43	100		
58	54.1	31.8	47.6#
57	5.0	11.4	17.0#

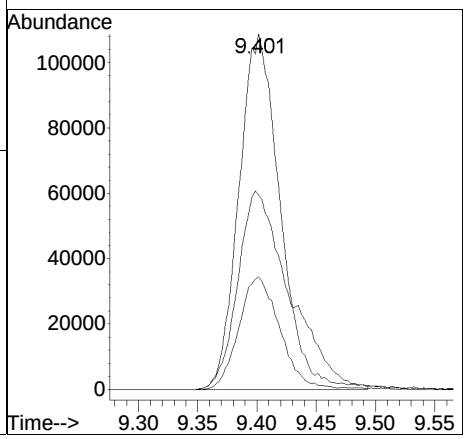


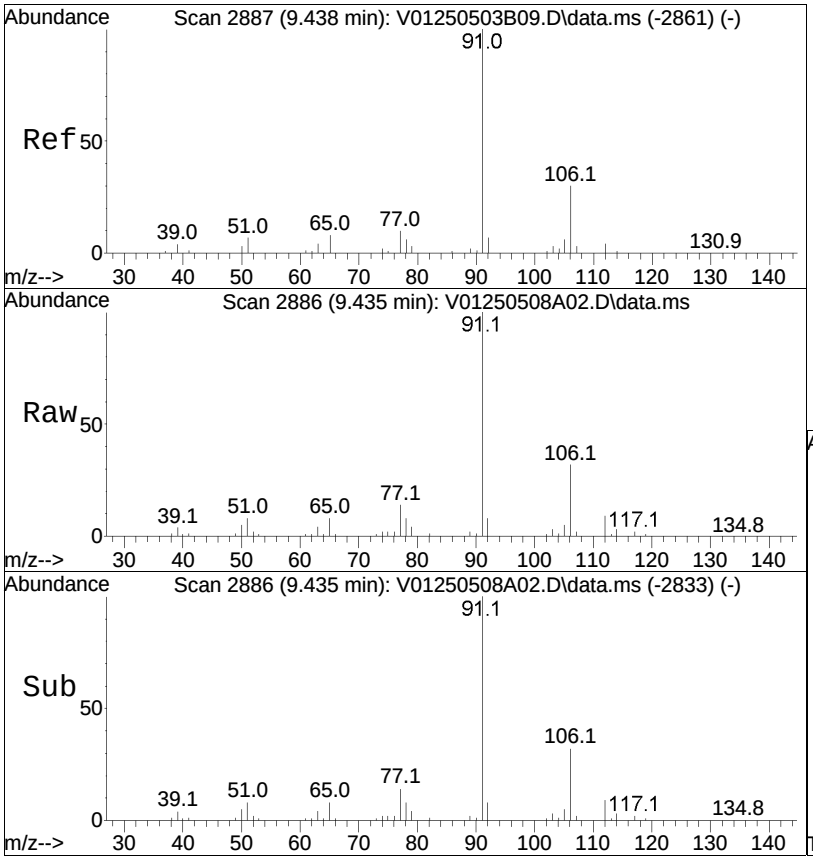


#73
Chlorobenzene
Concen: 9.29 ug/L
RT: 9.401 min Scan# 2874
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:112 Resp: 261863

Ion	Ratio	Lower	Upper
112	100		
77	70.9	59.2	88.8
114	31.6	25.5	38.3

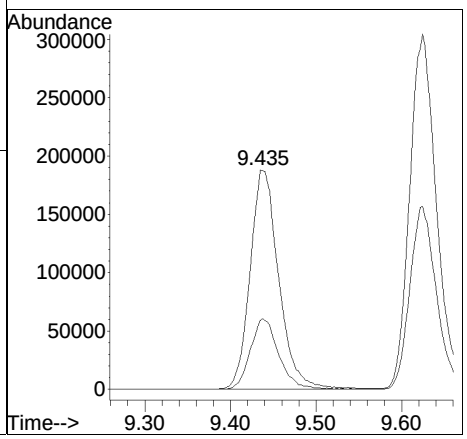


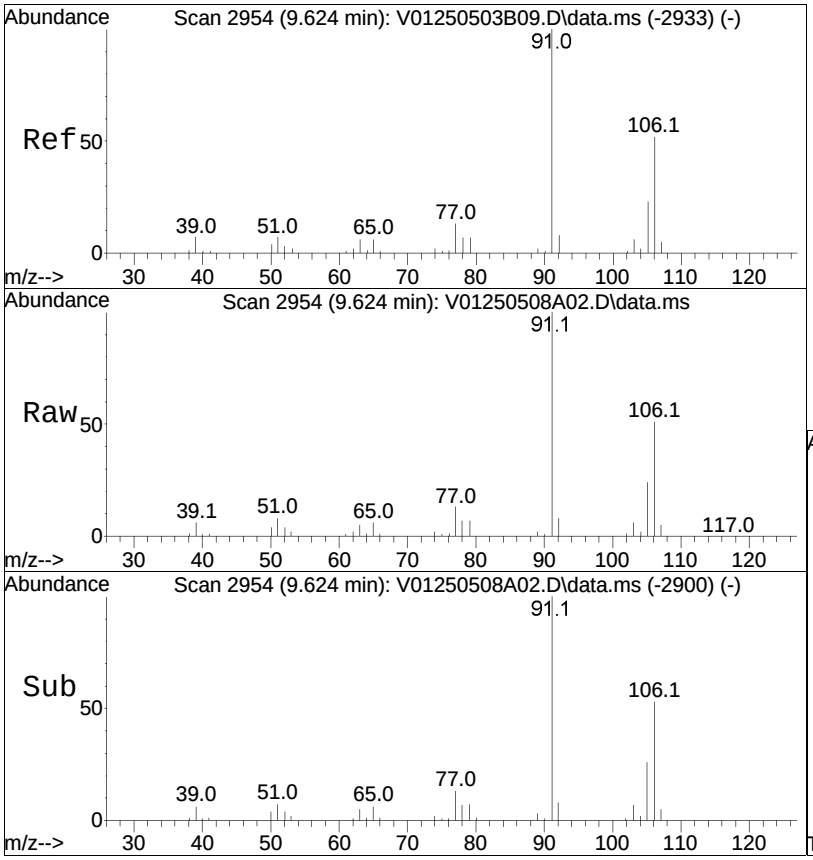


#74
Ethylbenzene
Concen: 8.97 ug/L
RT: 9.435 min Scan# 2886
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 91 Resp: 439781

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.7	37.1

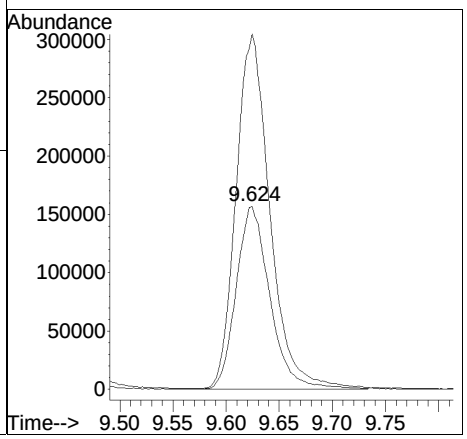


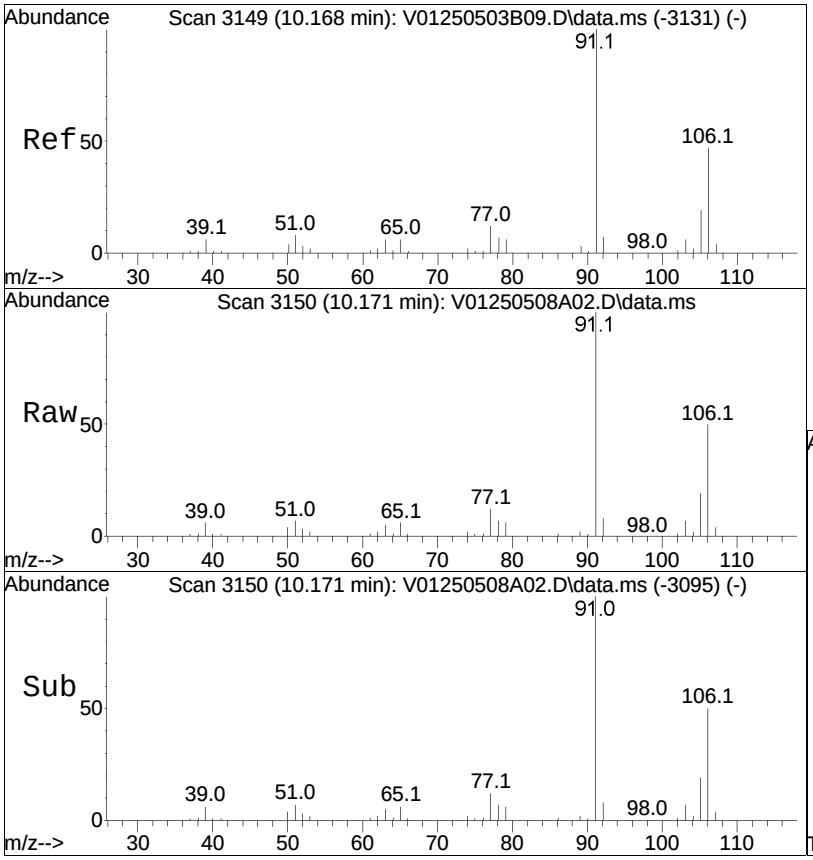


#76
p/m Xylene
Concen: 18.81 ug/L
RT: 9.624 min Scan# 2954
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:106 Resp: 347902

Ion	Ratio	Lower	Upper
106	100		
91	193.7	160.6	240.8

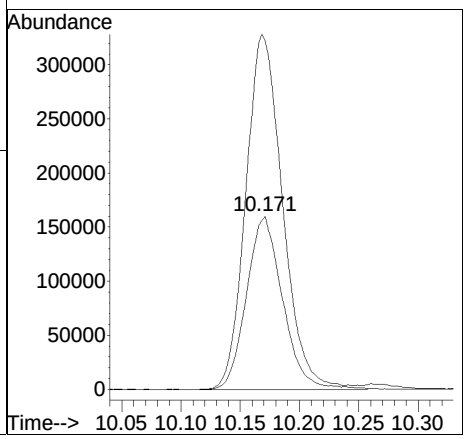


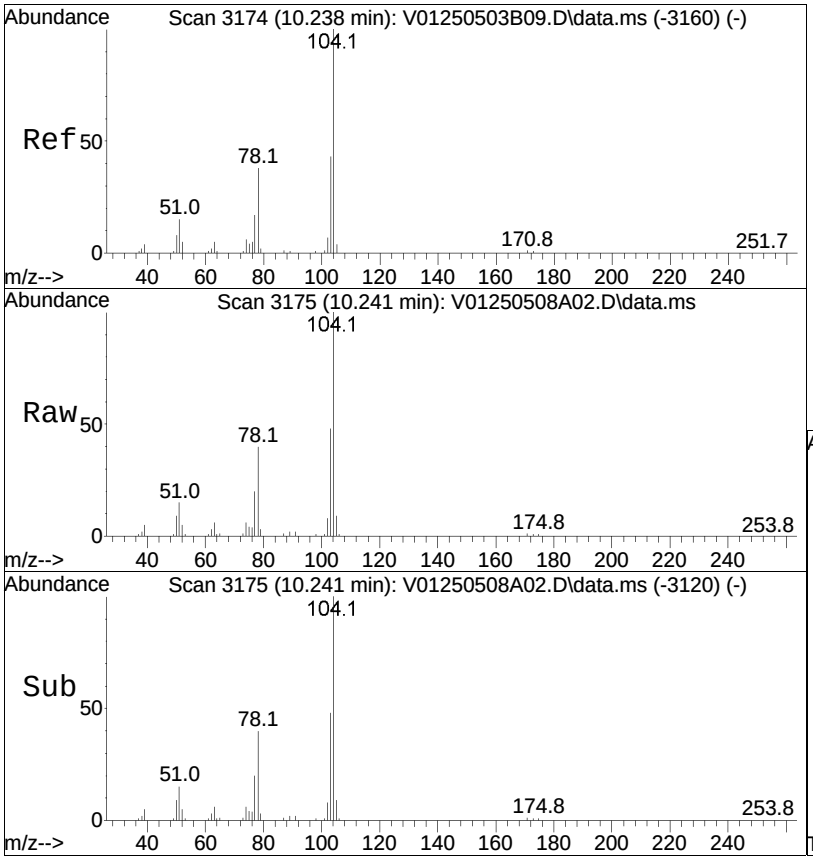


#77
o Xylene
Concen: 18.98 ug/L
RT: 10.171 min Scan# 3150
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:106 Resp: 338790

Ion	Ratio	Lower	Upper
106	100		
91	208.5	170.0	255.0

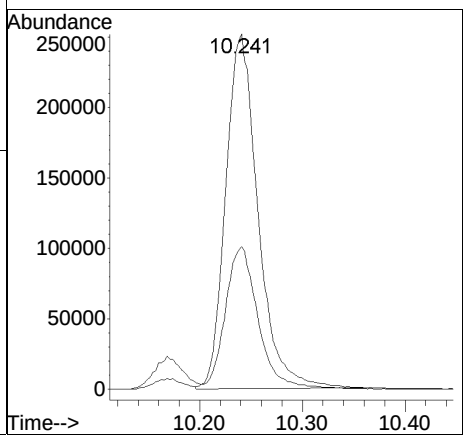


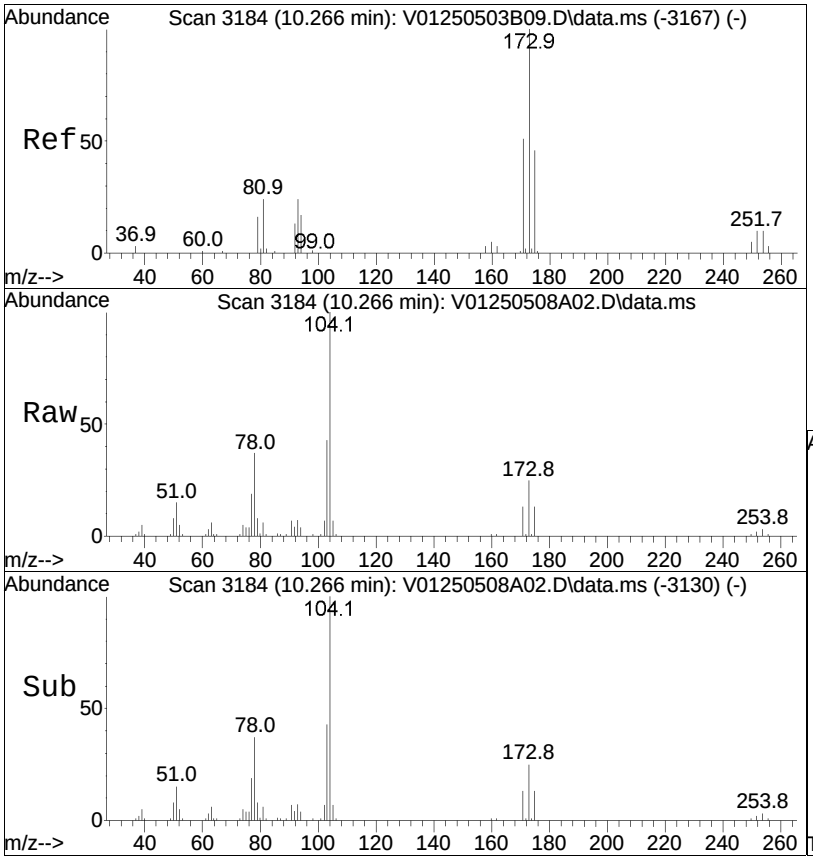


#78
Styrene
Concen: 19.04 ug/L
RT: 10.241 min Scan# 3175
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:104 Resp: 550620

Ion	Ratio	Lower	Upper
104	100		
78	39.5	33.6	50.4

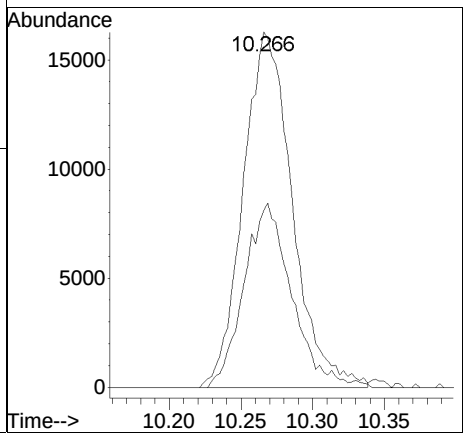


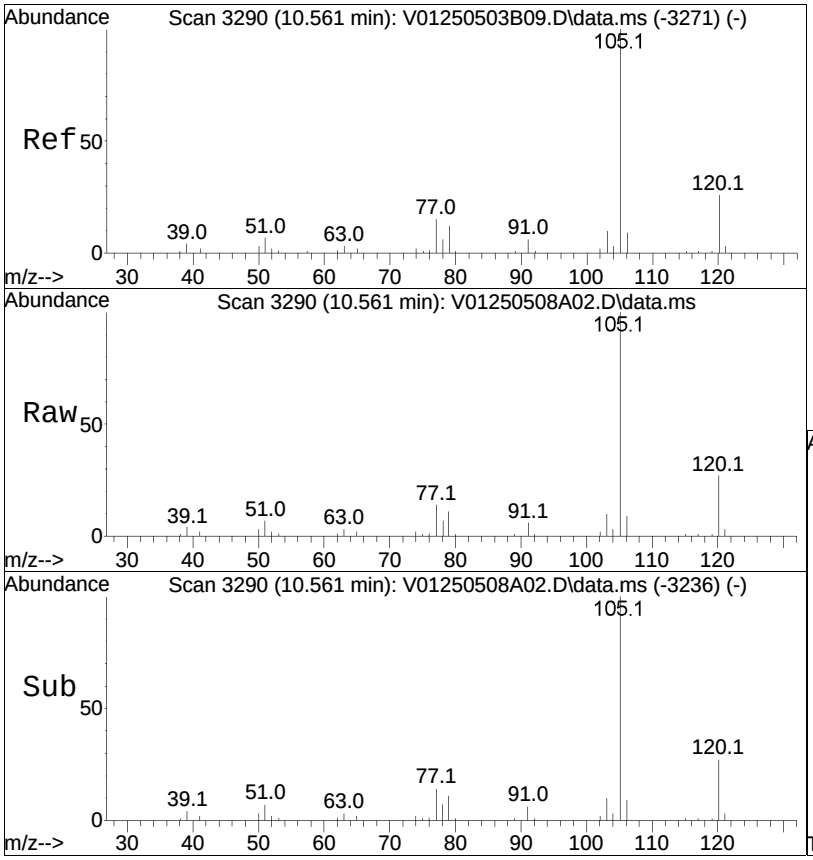


#80
Bromoform
Concen: 8.95 ug/L
RT: 10.266 min Scan# 3184
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:173 Resp: 38795

Ion	Ratio	Lower	Upper
173	100		
175	49.8	29.5	69.5

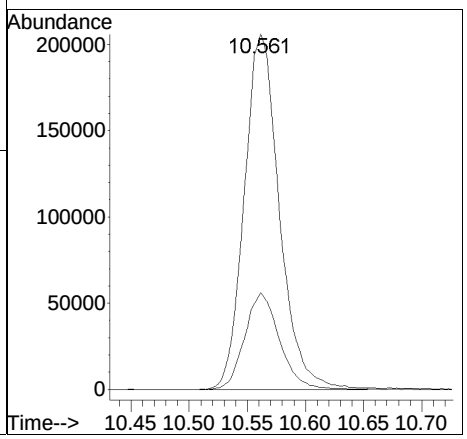


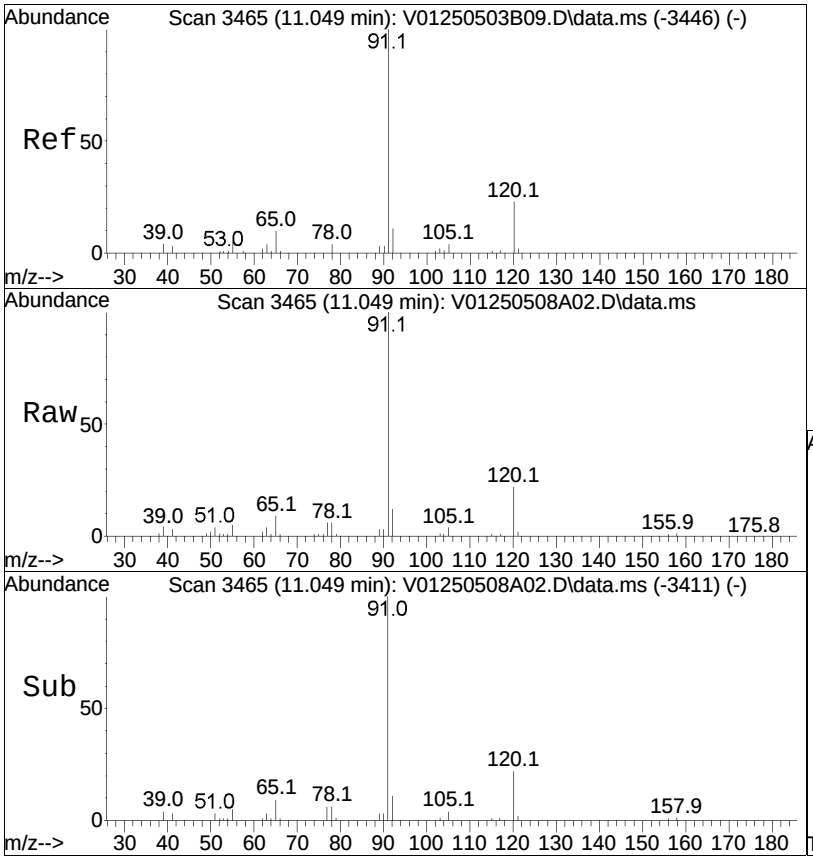


#82
Isopropylbenzene
Concen: 8.56 ug/L
RT: 10.561 min Scan# 3290
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:105 Resp: 432451

Ion	Ratio	Lower	Upper
105	100		
120	26.9	6.4	46.4

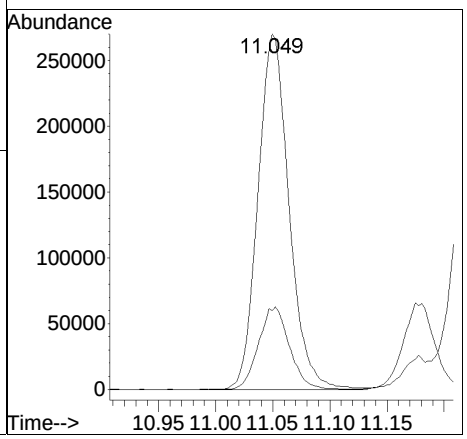


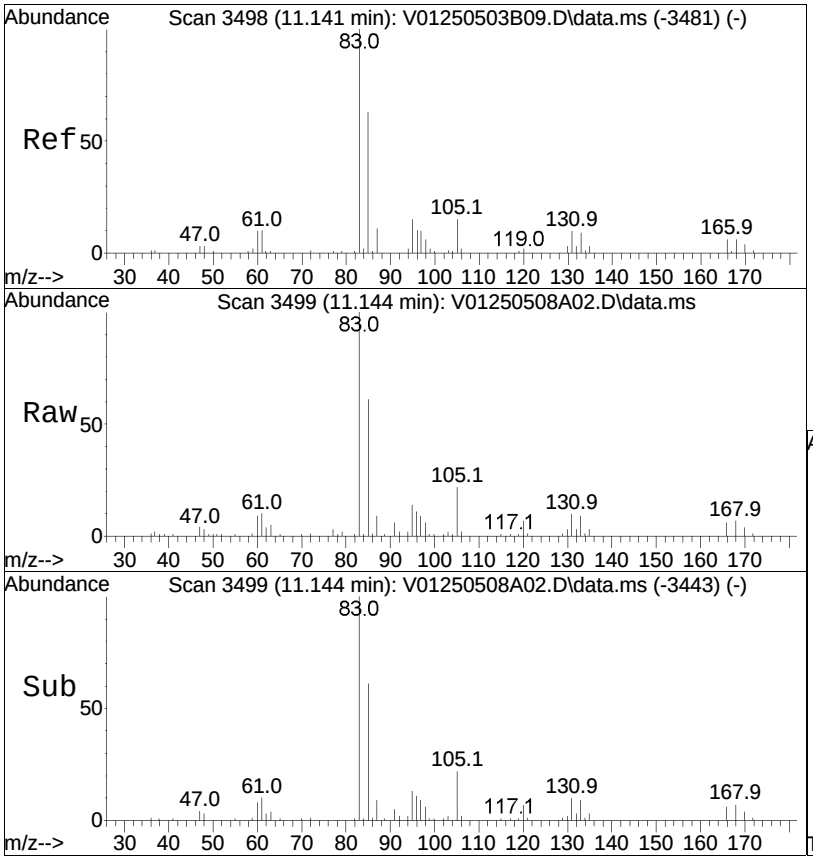


#85
n-Propylbenzene
Concen: 8.65 ug/L
RT: 11.049 min Scan# 3465
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 91 Resp: 510950

Ion	Ratio	Lower	Upper
91	100		
120	23.1	18.5	27.7

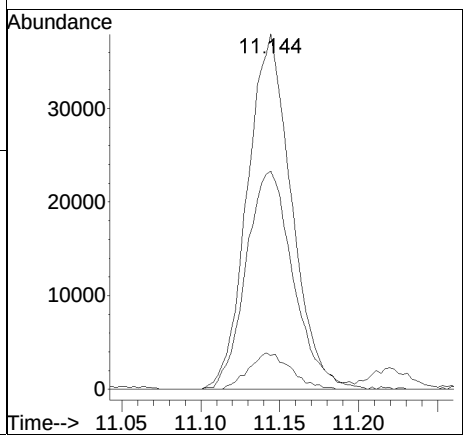


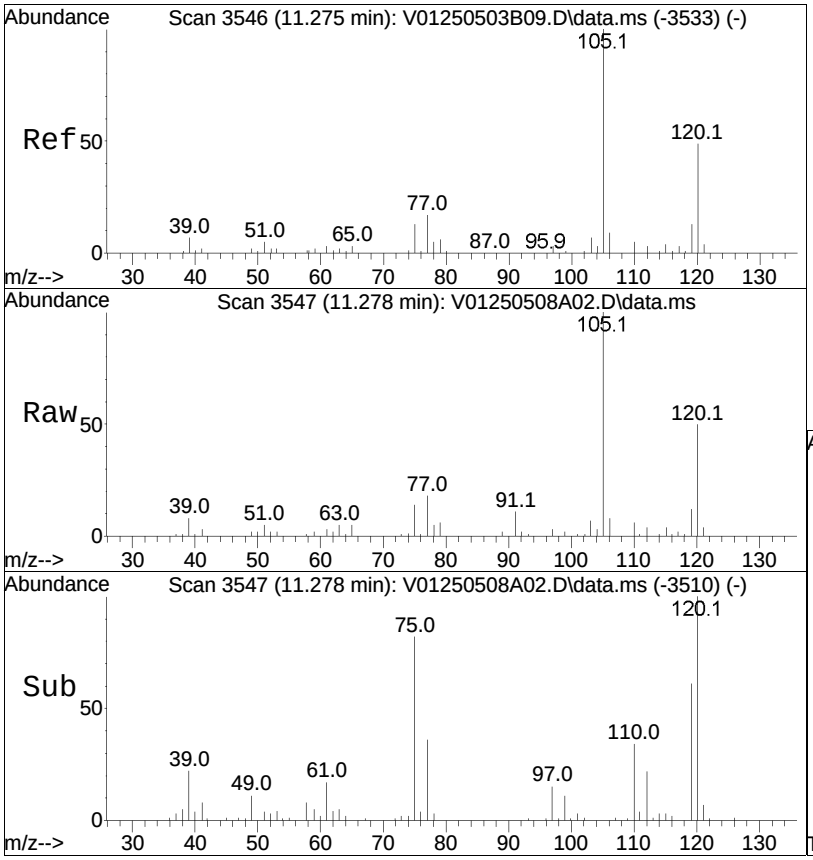


#87
1,1,2,2-Tetrachloroethane
Concen: 9.34 ug/L
RT: 11.144 min Scan# 3499
Delta R.T. 0.006 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 83 Resp: 73703

Ion	Ratio	Lower	Upper
83	100		
131	9.9	0.0	30.2
85	65.6	46.3	86.3

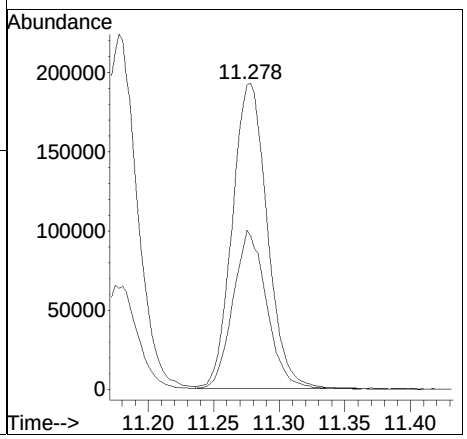


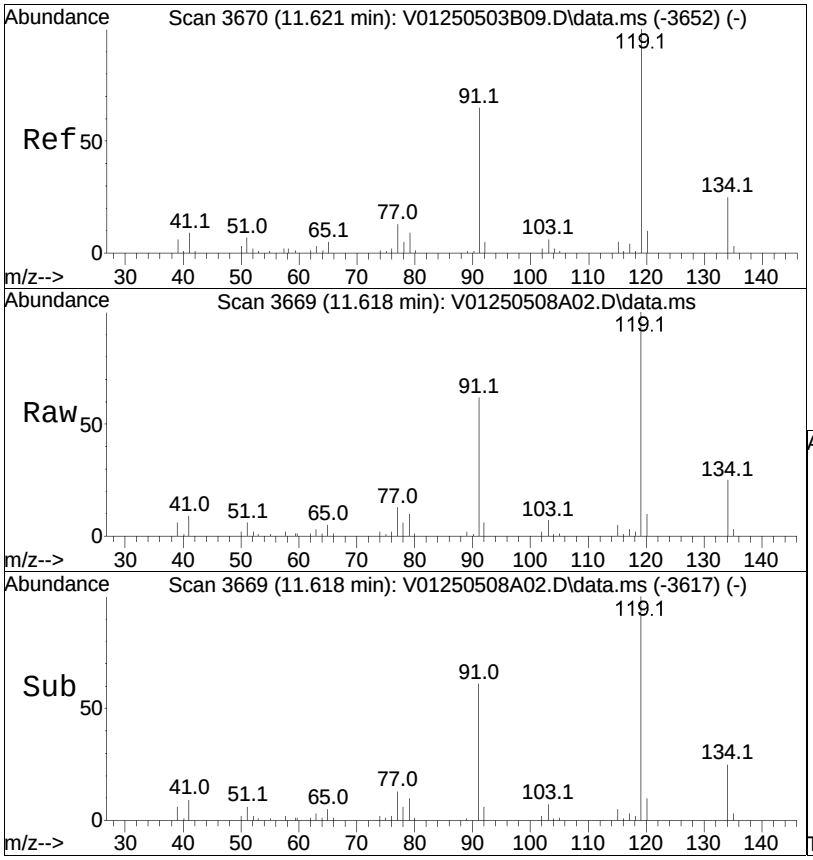


#90
1,3,5-Trimethylbenzene
Concen: 8.90 ug/L
RT: 11.278 min Scan# 3547
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:105 Resp: 356988

Ion	Ratio	Lower	Upper
105	100		
120	49.6	39.3	58.9

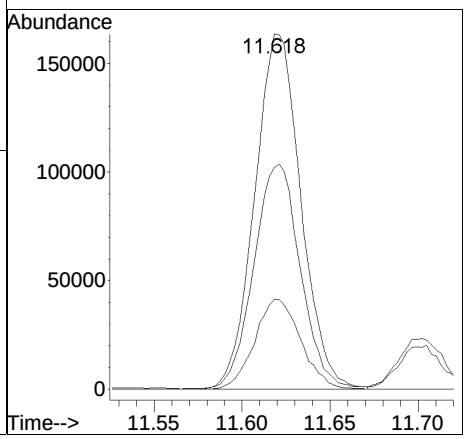


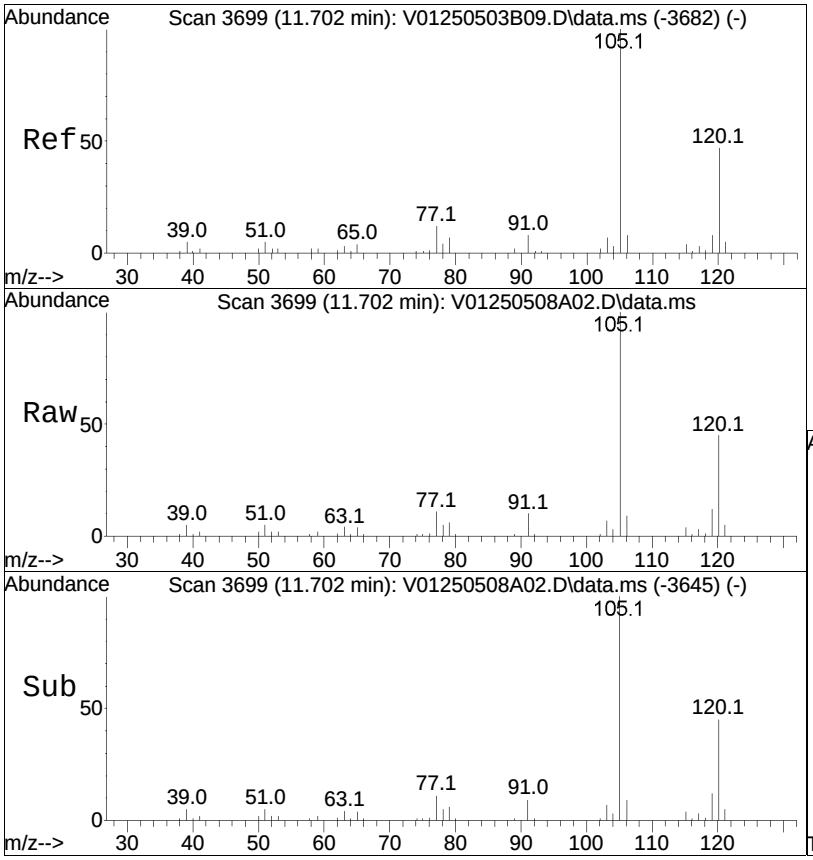


#94
tert-Butylbenzene
Concen: 8.89 ug/L
RT: 11.618 min Scan# 3669
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:119 Resp: 298857

Ion	Ratio	Lower	Upper
119	100		
91	63.4	52.5	78.7
134	25.4	20.1	30.1

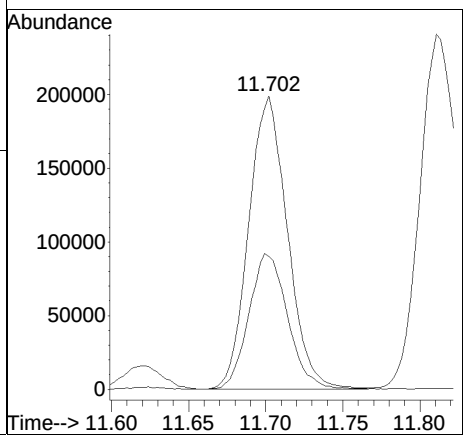


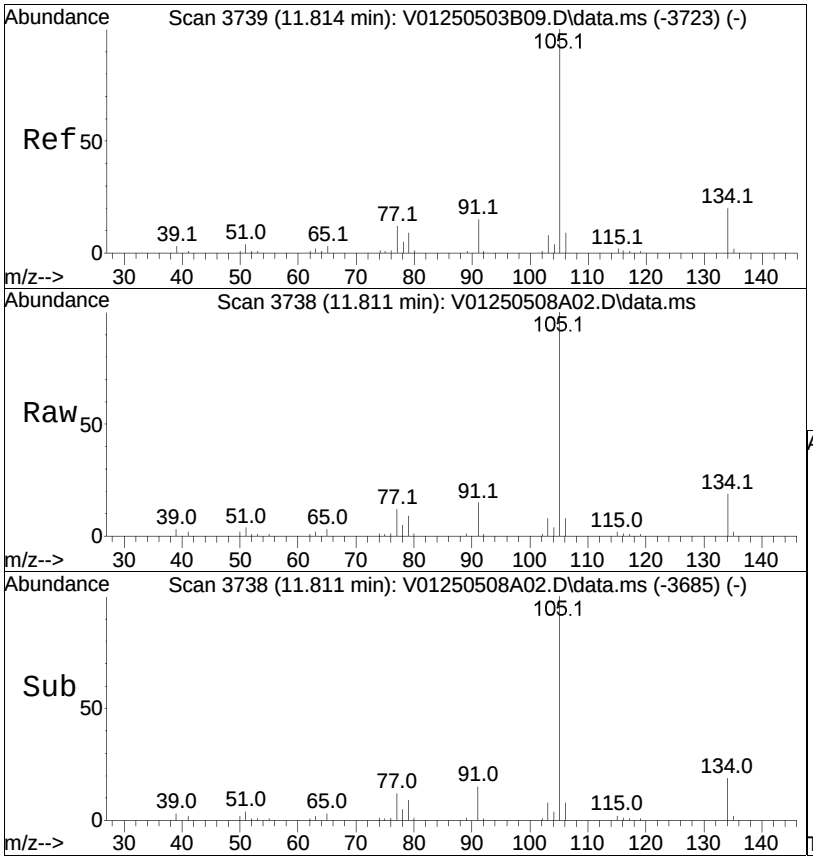


#97
1,2,4-Trimethylbenzene
Concen: 8.97 ug/L
RT: 11.702 min Scan# 3699
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:105 Resp: 347197

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.6	55.0

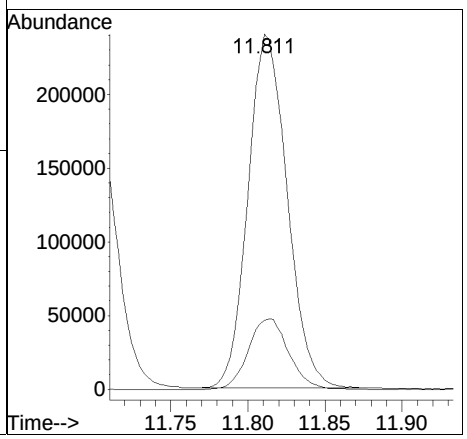


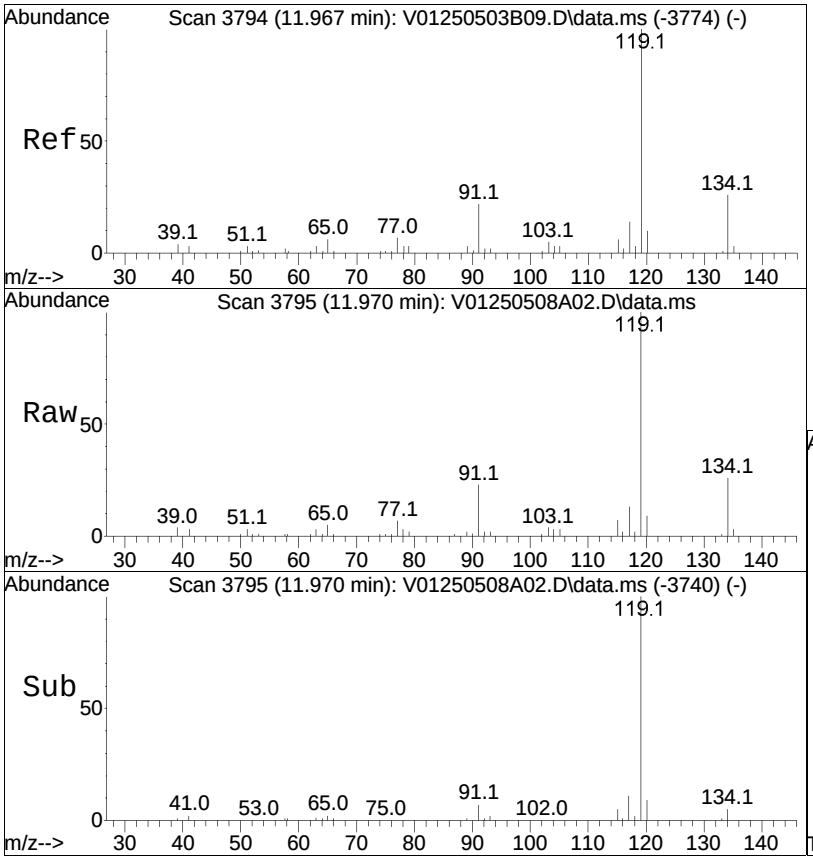


#98
sec-Butylbenzene
Concen: 8.55 ug/L
RT: 11.811 min Scan# 3738
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:105 Resp: 425410

Ion	Ratio	Lower	Upper
105	100		
134	20.4	13.4	27.8

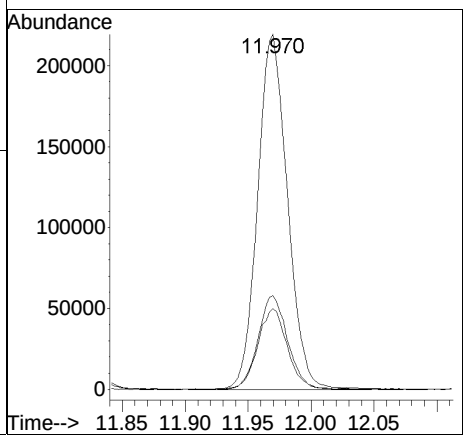


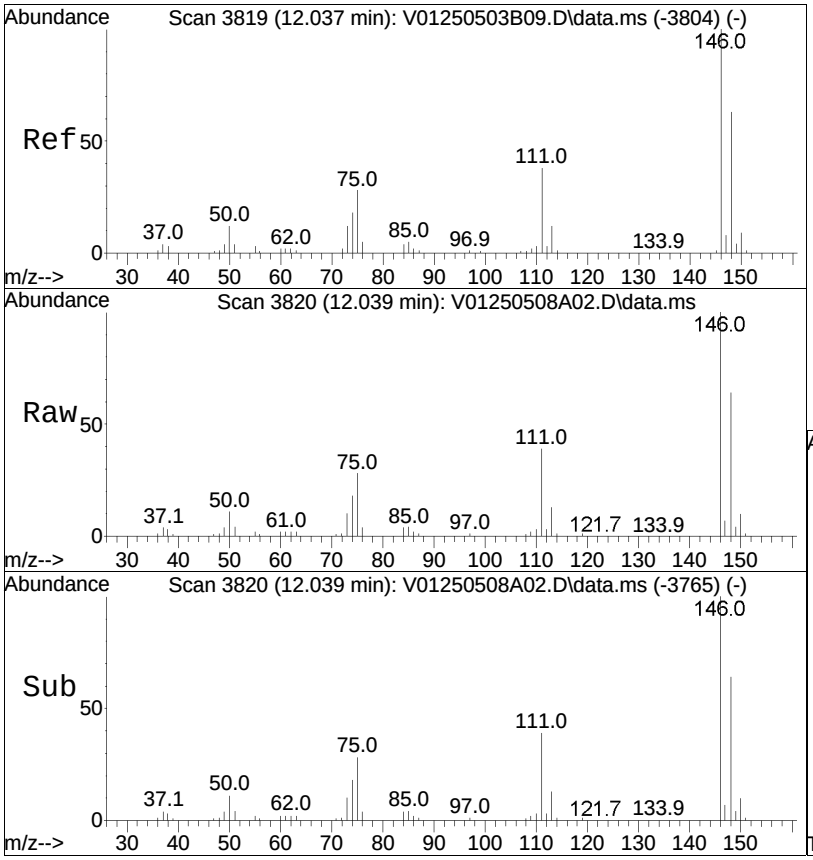


#99
p-Isopropyltoluene
Concen: 8.91 ug/L
RT: 11.970 min Scan# 3795
Delta R.T. 0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:119 Resp: 362178

Ion	Ratio	Lower	Upper
119	100		
134	26.1	16.9	35.1
91	22.3	15.0	31.1

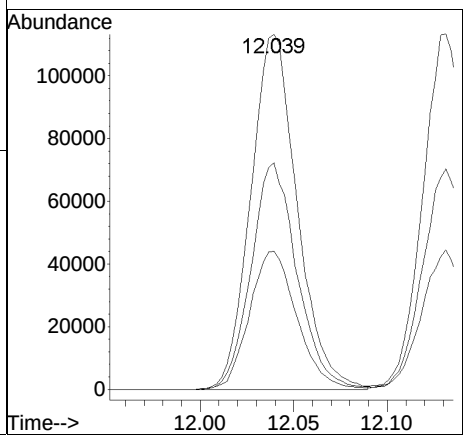


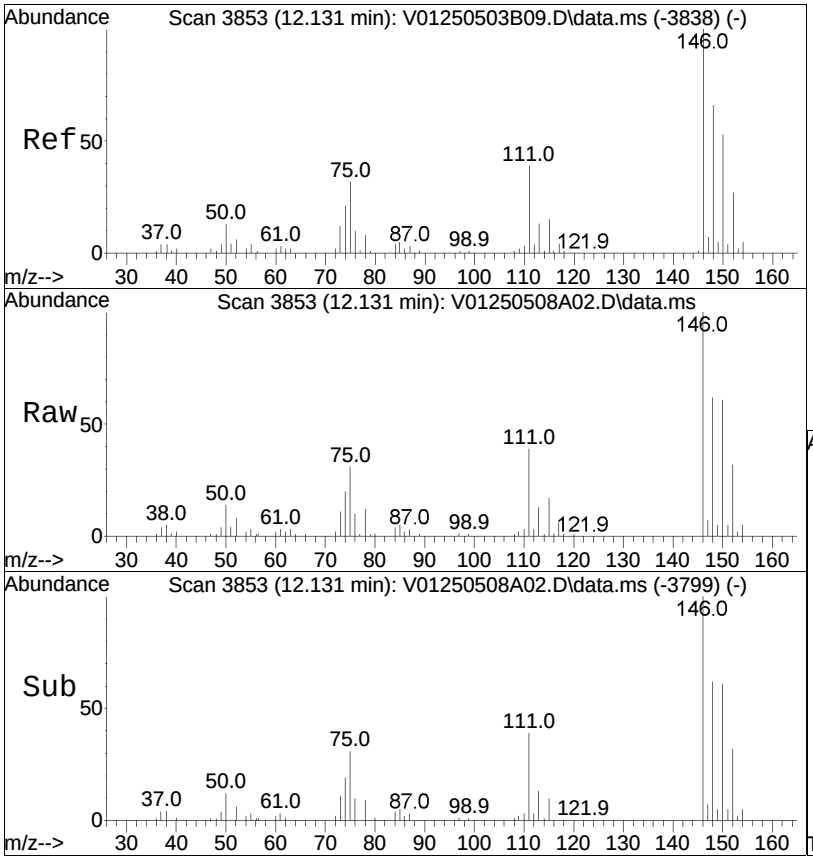


#100
1,3-Dichlorobenzene
Concen: 9.33 ug/L
RT: 12.039 min Scan# 3820
Delta R.T. 0.002 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:146 Resp: 195830

Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.9	55.9
148	63.2	41.3	85.9

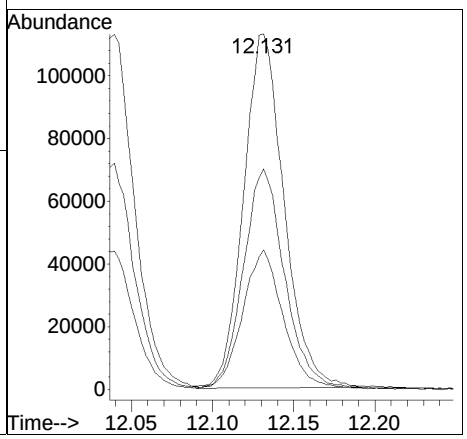


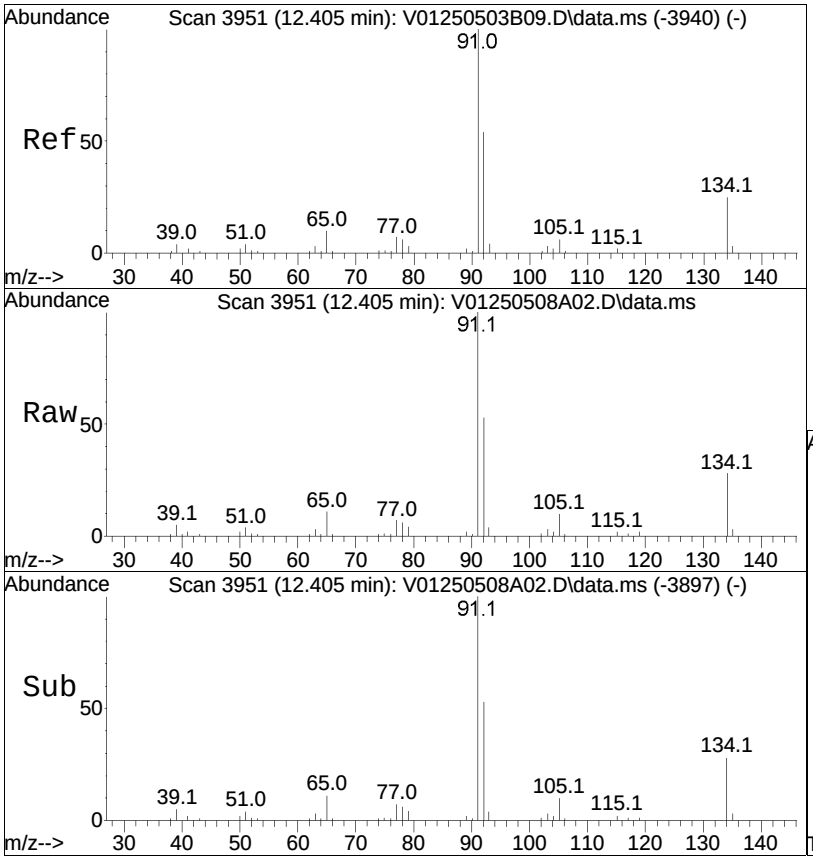


#101
1,4-Dichlorobenzene
Concen: 9.07 ug/L
RT: 12.131 min Scan# 3853
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:146 Resp: 196428

Ion	Ratio	Lower	Upper
146	100		
111	39.8	33.4	50.2
148	63.0	51.4	77.2

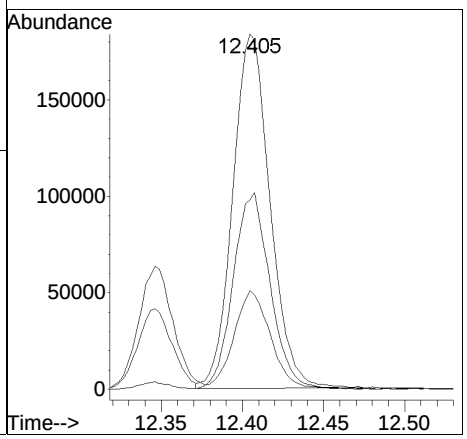


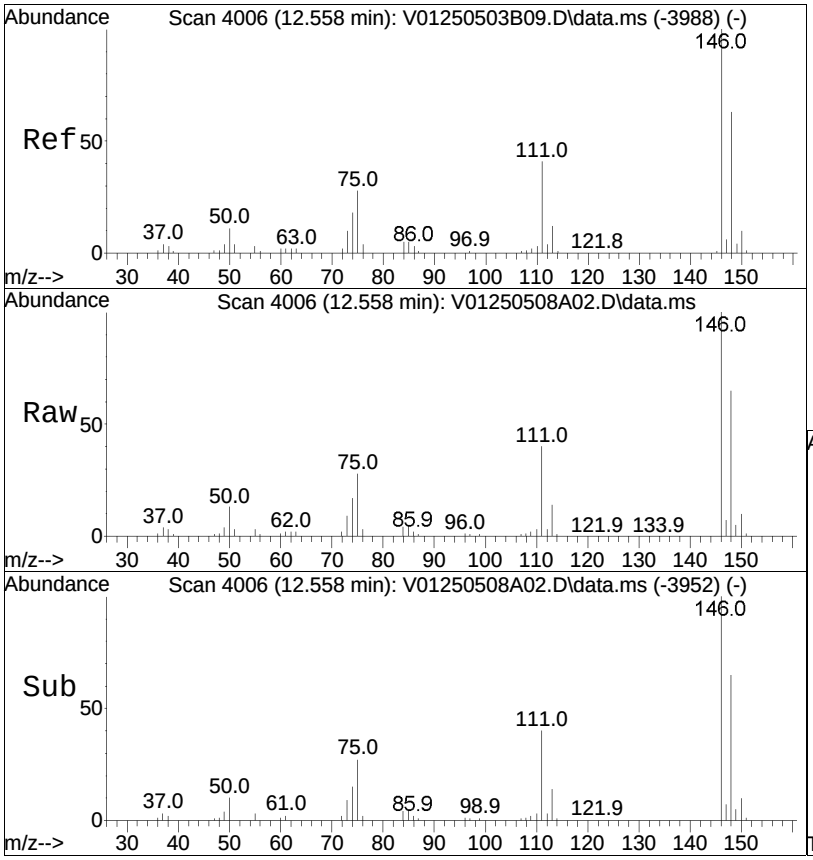


#103
n-Butylbenzene
Concen: 8.70 ug/L
RT: 12.405 min Scan# 3951
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion: 91 Resp: 293609

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.5	65.3
134	26.9	21.4	32.2

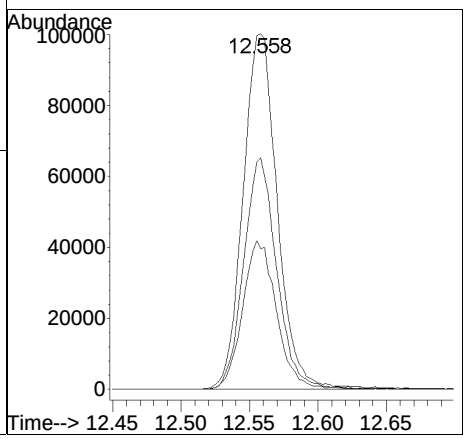


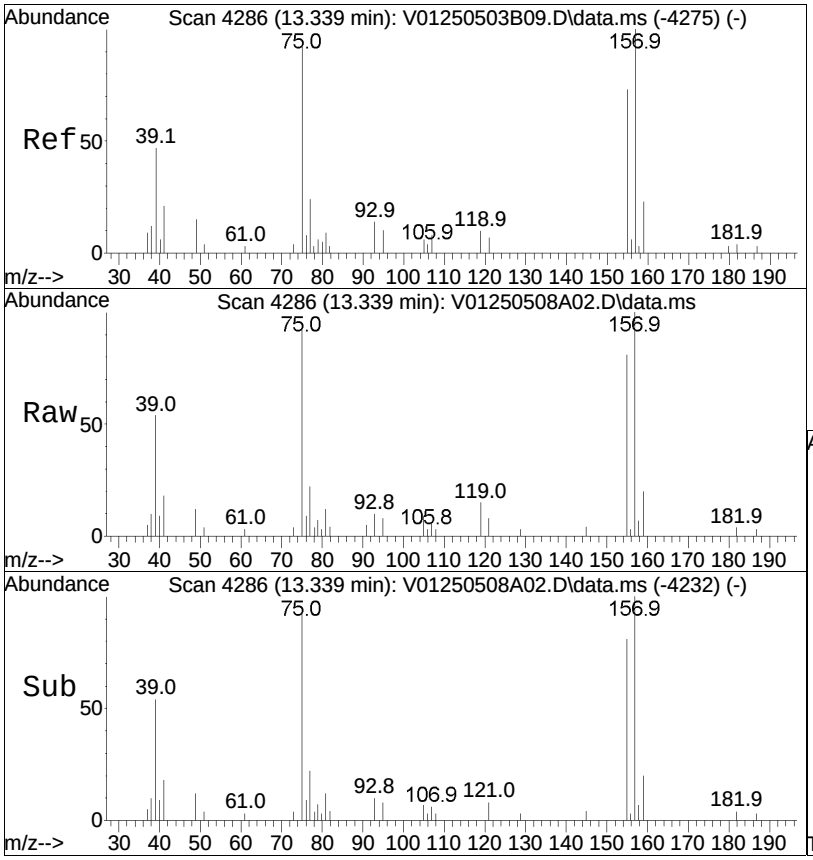


#104
1,2-Dichlorobenzene
Concen: 9.49 ug/L
RT: 12.558 min Scan# 4006
Delta R.T. 0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:146 Resp: 174504

Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.1	58.3
148	62.5	41.0	85.0

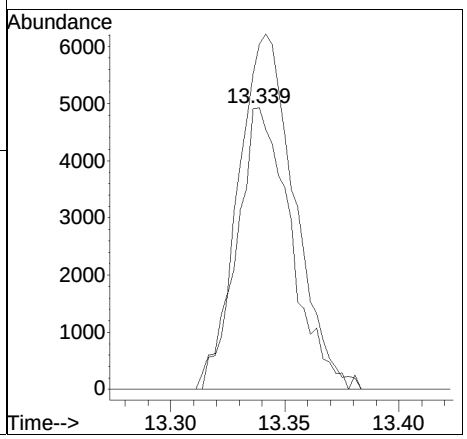


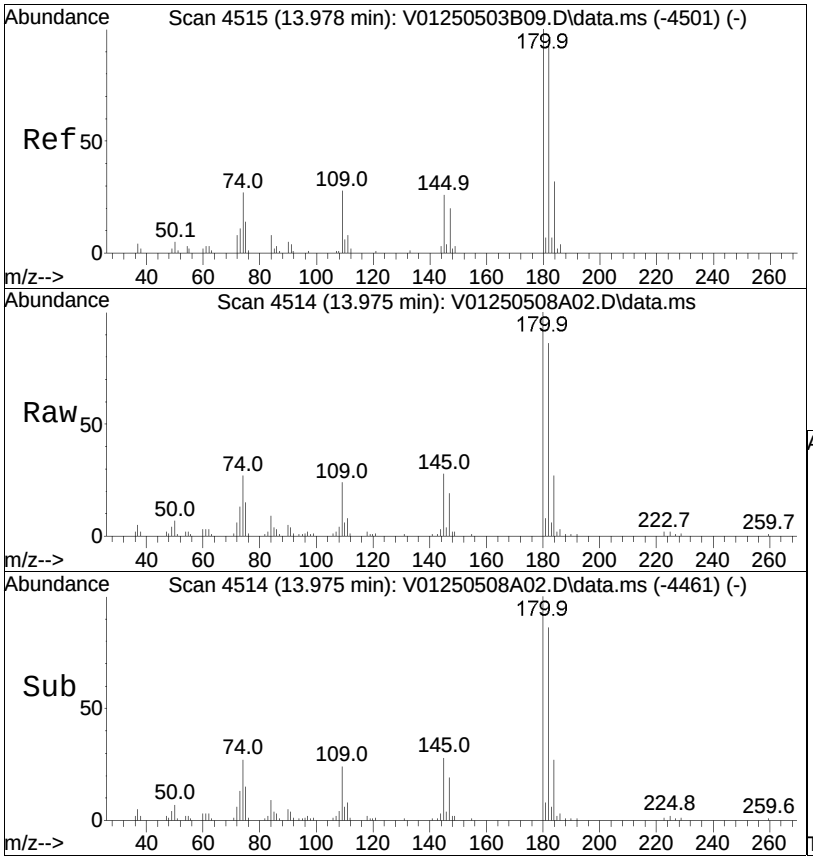


#106
1,2-Dibromo-3-chloropropane
Concen: 8.84 ug/L
RT: 13.339 min Scan# 4286
Delta R.T. -0.000 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:155 Resp: 8066

Ion	Ratio	Lower	Upper
155	100		
157	133.0	101.8	152.8

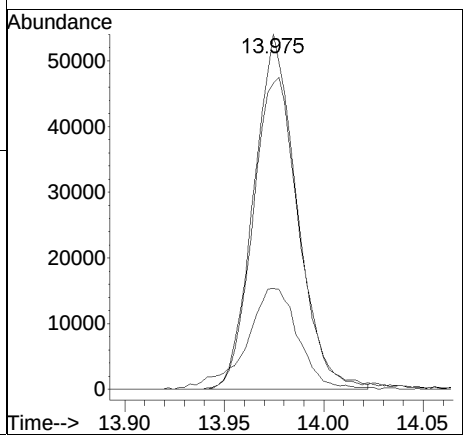


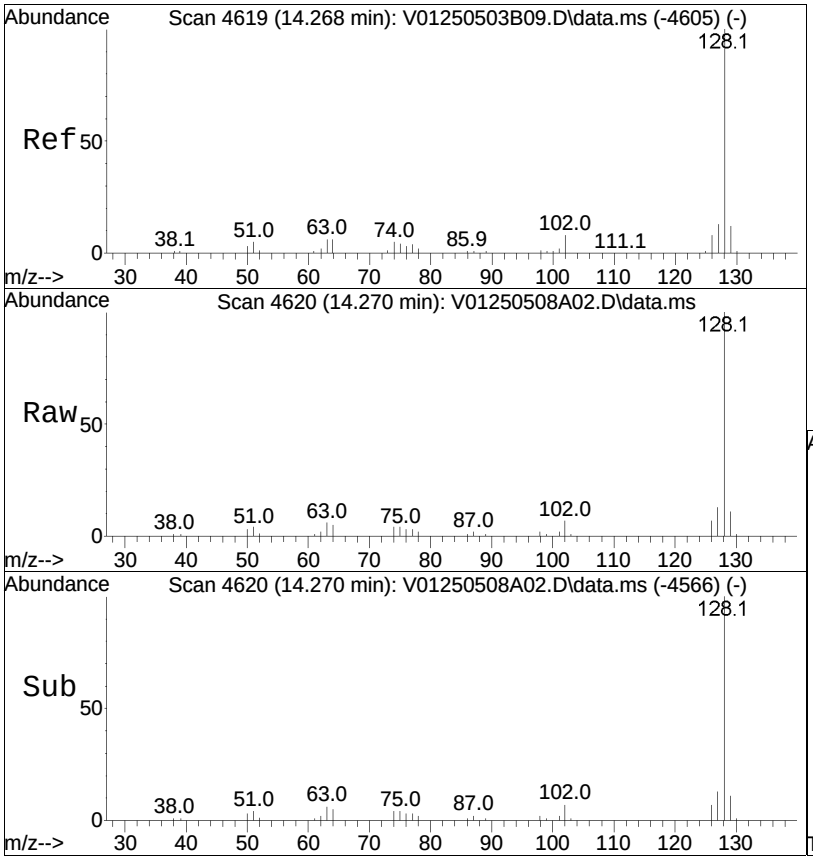


#109
1,2,4-Trichlorobenzene
Concen: 9.40 ug/L
RT: 13.975 min Scan# 4514
Delta R.T. -0.003 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:180 Resp: 81739

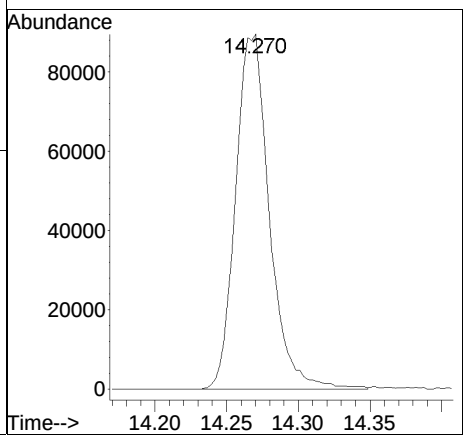
Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.3	114.5
145	34.5	28.8	43.2





#110
Naphthalene
Concen: 9.19 ug/L
RT: 14.270 min Scan# 4620
Delta R.T. 0.002 min
Lab File: V01250508A02.D
Acq: 8 May 2025 8:12 am

Tgt Ion:128 Resp: 147267

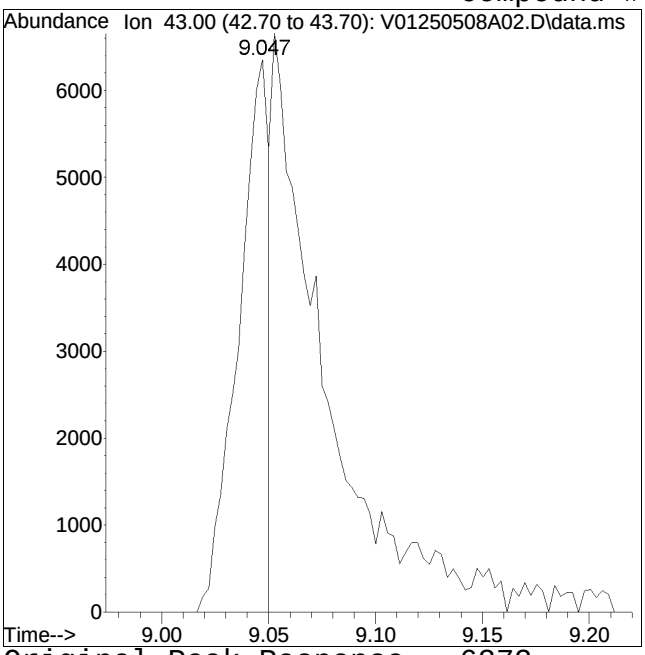


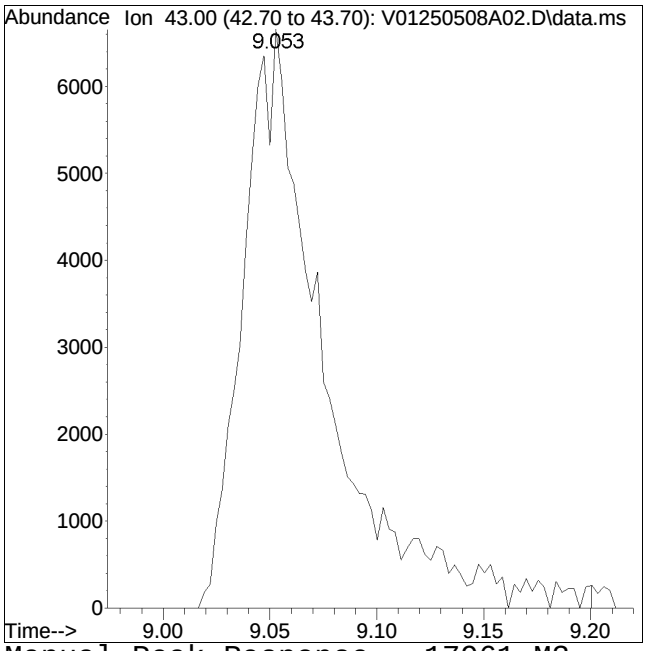
Manual Integration Report

Data Path : K:\VOA101\2025\250508A\
Data File : V01250508A02.D
Date Inj'd : 5/8/2025 8:12 am
Sample : WG2064186-4,31,10,10

QMethod : V101_250503B_8260.m
Operator : VOA101:mjv
Instrument : VOA 101
Quant Date : 5/8/2025 9:17 am

Compound #72: 2-Hexanone





Original Peak Response = 6272 Manual Peak Response = 17961 M3

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A03.D
Acq On : 08 May 2025 08:32 am
Operator : VOA122:mjv
Sample : WG2065078-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 09:51:47 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.877	96	398510	10.000	ug/L	0.00
Standard Area 1 = 405024			Recovery = 98.39%			
62) Chlorobenzene-d5	9.407	117	346700	10.000	ug/L	0.00
Standard Area 1 = 348411			Recovery = 99.51%			
83) 1,4-Dichlorobenzene-d4	12.146	152	190238	10.000	ug/L	0.00
Standard Area 1 = 191325			Recovery = 99.43%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.069	113	129215	11.789	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.89%			
46) 1,2-Dichloroethane-d4	5.591	65	116514	9.640	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.40%			
63) Toluene-d8	7.569	98	431318	9.205	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.05%			
87) 4-Bromofluorobenzene	10.922	95	147785	8.451	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.585	85	64171	9.845	ug/L	97
3) Chloromethane	1.766	50	78747	8.646	ug/L	100
4) Vinyl chloride	1.836	62	66045	8.337	ug/L	97
5) Bromomethane	2.134	94	25375	10.237	ug/L	99
6) Chloroethane	2.244	64	41367	10.148	ug/L	99
7) Trichlorofluoromethane	2.385	101	89176	11.750	ug/L	99
10) 1,1-Dichloroethene	2.864	96	50677	11.065	ug/L	82
11) Carbon disulfide	2.895	76	161367	9.781	ug/L	99
12) Freon-113	2.903	101	52038	10.943	ug/L #	86
15) Methylene chloride	3.397	84	56556	10.125	ug/L	88
17) Acetone	3.437	43	9917	8.684	ug/L	100
18) trans-1,2-Dichloroethene	3.554	96	55374	10.556	ug/L	89
19) Methyl acetate	3.554	43	25145	8.312	ug/L	99
21) Methyl tert-butyl ether	3.649	73	89587	9.052	ug/L	97
25) 1,1-Dichloroethane	4.119	63	108032	9.371	ug/L	98
30) cis-1,2-Dichloroethene	4.637	96	60845	10.848	ug/L	86
33) Cyclohexane	4.833	56	100671	8.445	ug/L	90
34) Chloroform	4.896	83	95759	10.002	ug/L	96
36) Carbon tetrachloride	5.029	117	86389	12.157	ug/L	98
39) 1,1,1-Trichloroethane	5.100	97	87113	11.032	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A03.D
Acq On : 08 May 2025 08:32 am
Operator : VOA122:mjv
Sample : WG2065078-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 09:51:47 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	2-Butanone	5.186	43	13153	8.205	ug/L	#	42
44)	Benzene	5.458	78	190075	9.191	ug/L		96
47)	1,2-Dichloroethane	5.661	62	64100	9.289	ug/L		98
50)	Methyl cyclohexane	6.052	83	72782	7.749	ug/L		94
51)	Trichloroethene	6.052	95	57372	10.197	ug/L		89
54)	1,2-Dichloropropane	6.596	63	51124	8.416	ug/L		95
57)	Bromodichloromethane	6.665	83	67454	9.821	ug/L	#	99
61)	cis-1,3-Dichloropropene	7.353	75	68182	8.976	ug/L		93
64)	Toluene	7.624	92	131679	8.845	ug/L		96
65)	4-Methyl-2-pentanone	8.055	58	7477	6.846	ug/L	#	97
66)	Tetrachloroethene	8.076	166	68033	11.289	ug/L		90
68)	trans-1,3-Dichloropropene	8.104	75	55318	7.826	ug/L		91
71)	1,1,2-Trichloroethane	8.285	83	27687	8.114	ug/L		92
72)	Chlorodibromomethane	8.500	129	51570	10.733	ug/L		98
74)	1,2-Dibromoethane	8.771	107	34646	9.328	ug/L		95
76)	2-Hexanone	9.064	43	14459	6.577	ug/L		98
77)	Chlorobenzene	9.428	112	167167	9.962	ug/L		92
78)	Ethylbenzene	9.477	91	251563	8.724	ug/L		94
80)	p/m Xylene	9.667	106	205167	18.946	ug/L		91
81)	o Xylene	10.207	106	197437	19.009	ug/L		90
82)	Styrene	10.277	104	307925	17.445	ug/L		94
84)	Bromoform	10.291	173	28610	9.733	ug/L		99
86)	Isopropylbenzene	10.599	105	264691	8.727	ug/L		97
89)	n-Propylbenzene	11.083	91	295626	8.161	ug/L		91
91)	1,1,2,2-Tetrachloroethane	11.167	83	37265	7.643	ug/L		94
94)	1,3,5-Trimethylbenzene	11.315	105	209620	8.970	ug/L		94
98)	tert-Butylbenzene	11.658	119	195716	8.144	ug/L	#	90
101)	1,2,4-Trimethylbenzene	11.735	105	234371	9.051	ug/L		94
102)	sec-Butylbenzene	11.854	105	274323	8.849	ug/L		94
103)	p-Isopropyltoluene	12.007	119	240870	8.845	ug/L		97
104)	1,3-Dichlorobenzene	12.062	146	143653	10.418	ug/L		97
105)	1,4-Dichlorobenzene	12.160	146	139376	10.151	ug/L		97
107)	n-Butylbenzene	12.438	91	186526	8.372	ug/L	#	96
108)	1,2-Dichlorobenzene	12.584	146	124866	10.274	ug/L		96
110)	1,2-Dibromo-3-chloropr...	13.364	155	6994	9.729	ug/L		100
113)	1,2,4-Trichlorobenzene	14.004	180	73405	10.461	ug/L		100
114)	Naphthalene	14.297	128	139749	9.577	ug/L		100

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

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A03.D
Acq On : 08 May 2025 08:32 am
Operator : VOA122:mjv
Sample : WG2065078-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 09:51:47 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2025\250508A\V22250508A02.D
Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

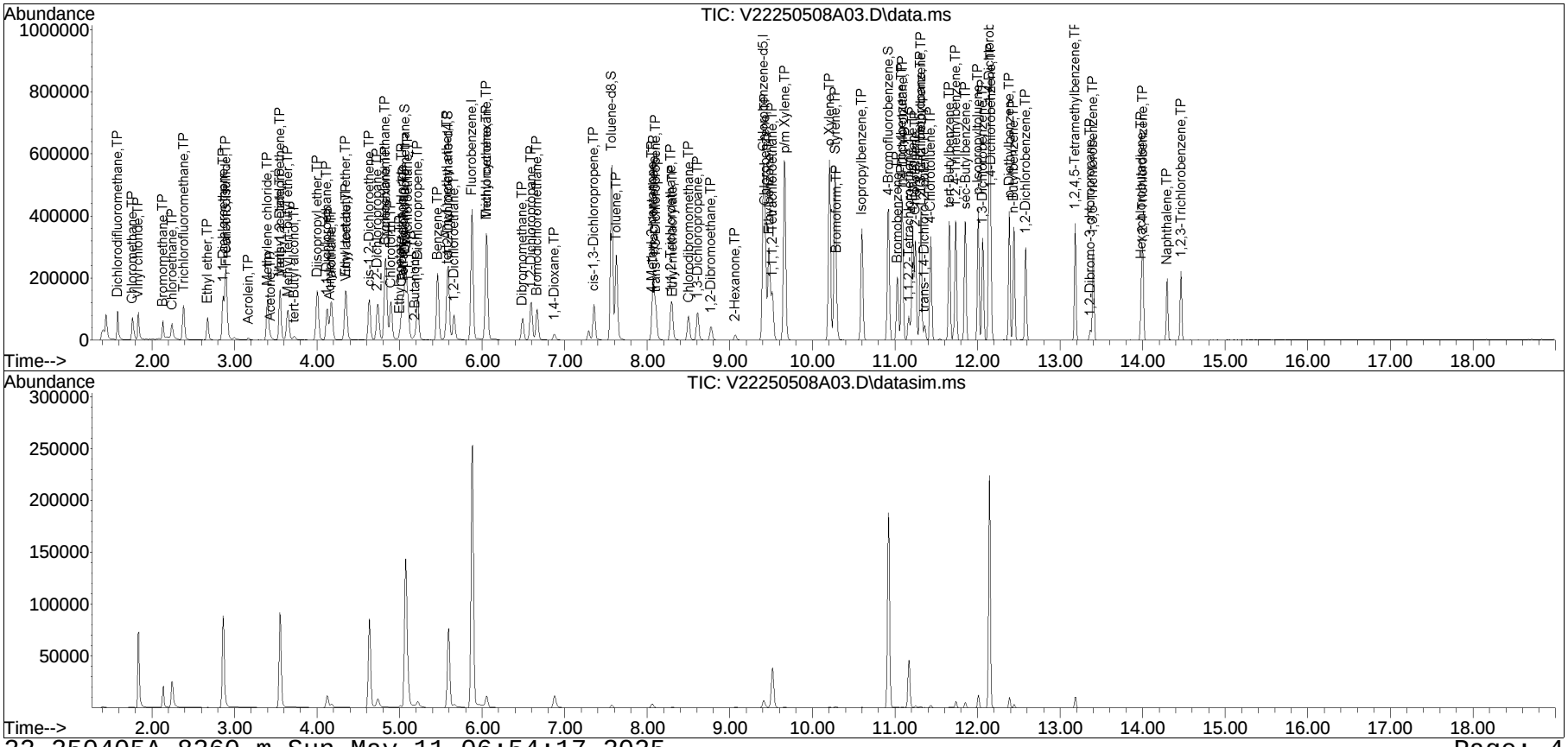
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

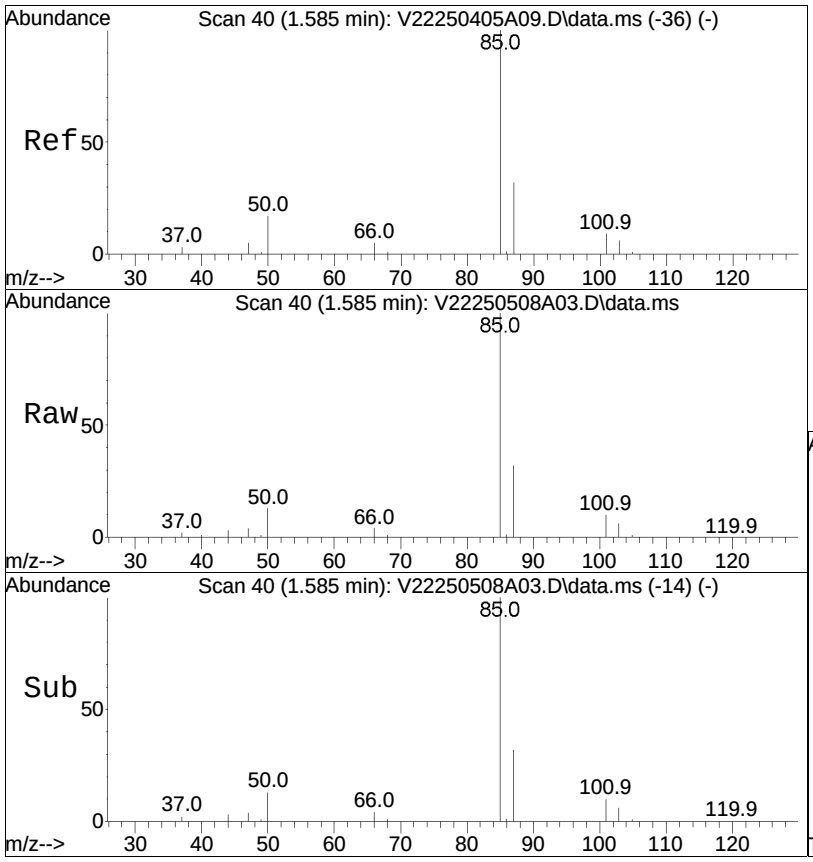
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2025\250508A\
Data File : V22250508A03.D
Acq On : 08 May 2025 08:32 am
Operator : VOA122:mjv
Sample : WG2065078-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2065078,ICAL22177 (Sig #1); WG,ICAL22177 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 09:51:47 2025
Quant Method : K:\VOA122\2025\250508A\V122_250405A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Apr 06 12:31:29 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODOD•

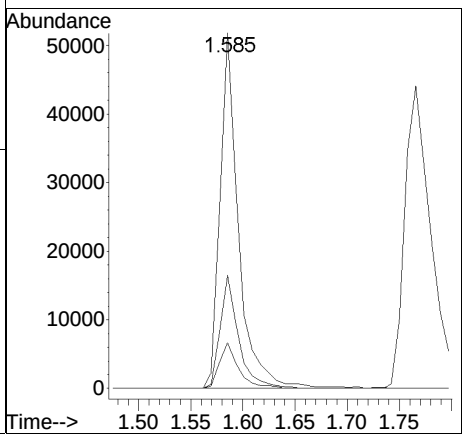


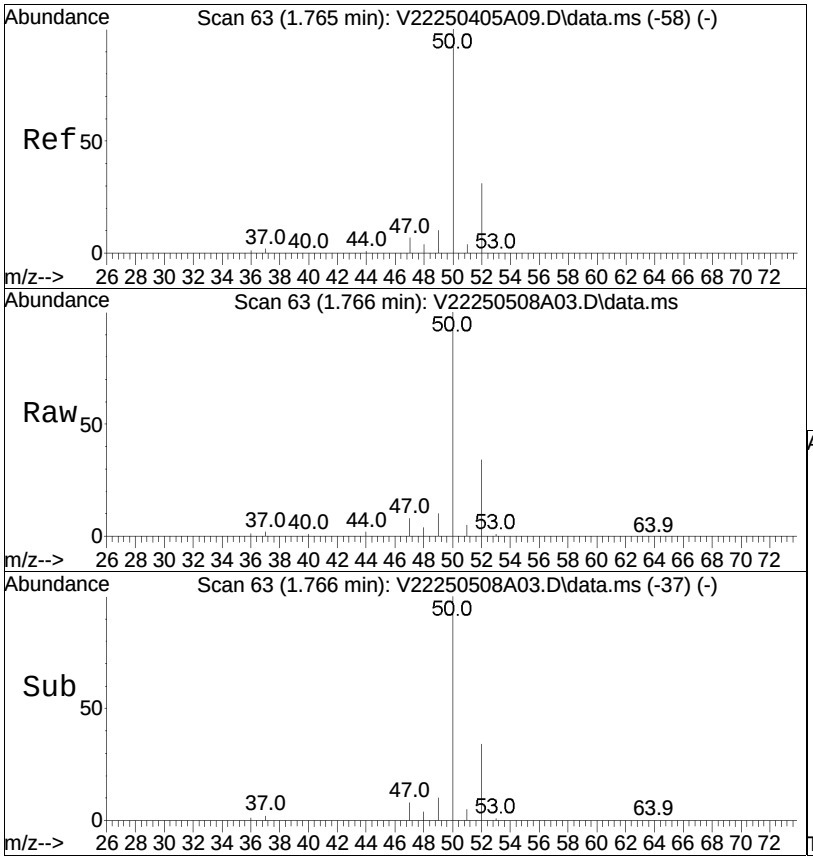


#2
Dichlorodifluoromethane
Concen: 9.85 ug/L
RT: 1.585 min Scan# 40
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 85 Resp: 64171

Ion	Ratio	Lower	Upper
85	100		
87	31.5	21.0	43.6
50	13.2	9.9	20.7

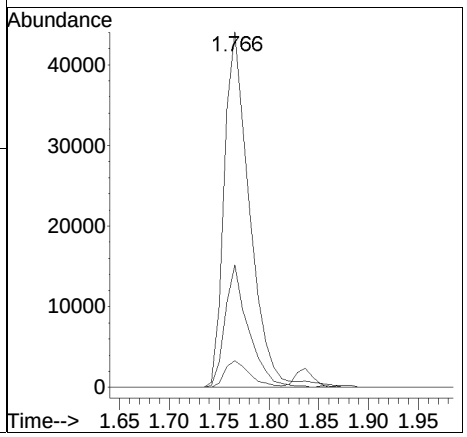


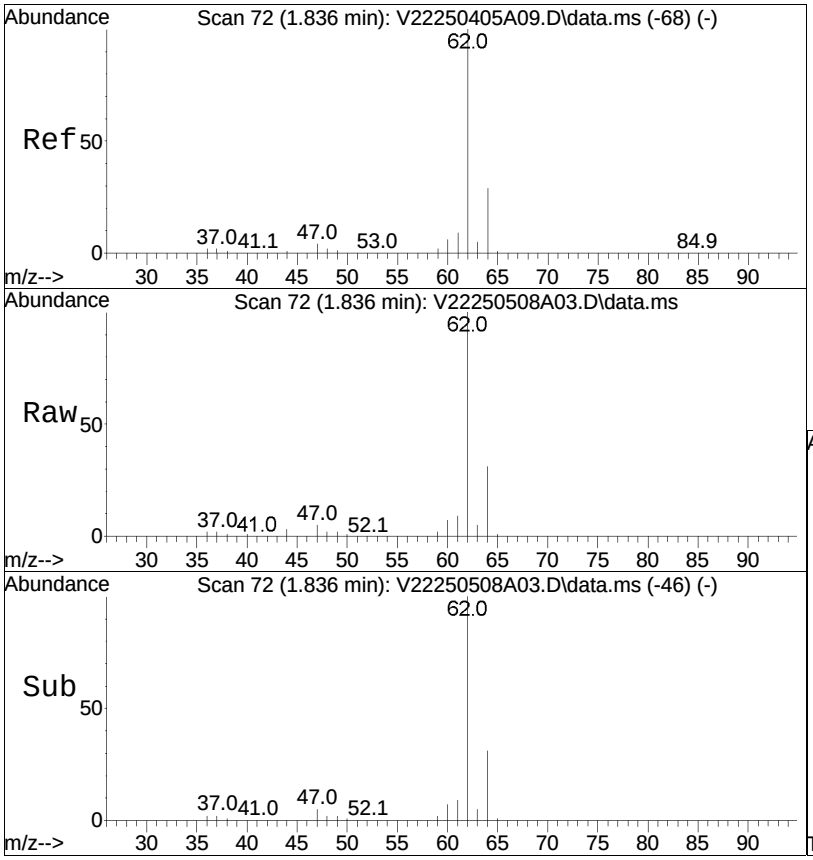


#3
Chloromethane
Concen: 8.65 ug/L
RT: 1.766 min Scan# 63
Delta R.T. 0.001 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 50 Resp: 78747

Ion	Ratio	Lower	Upper
50	100		
52	31.6	11.6	51.6
47	7.4	0.0	27.4

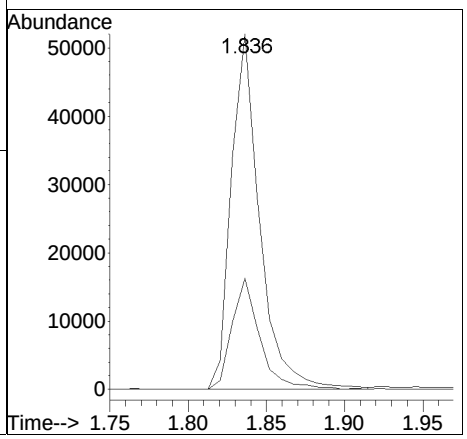


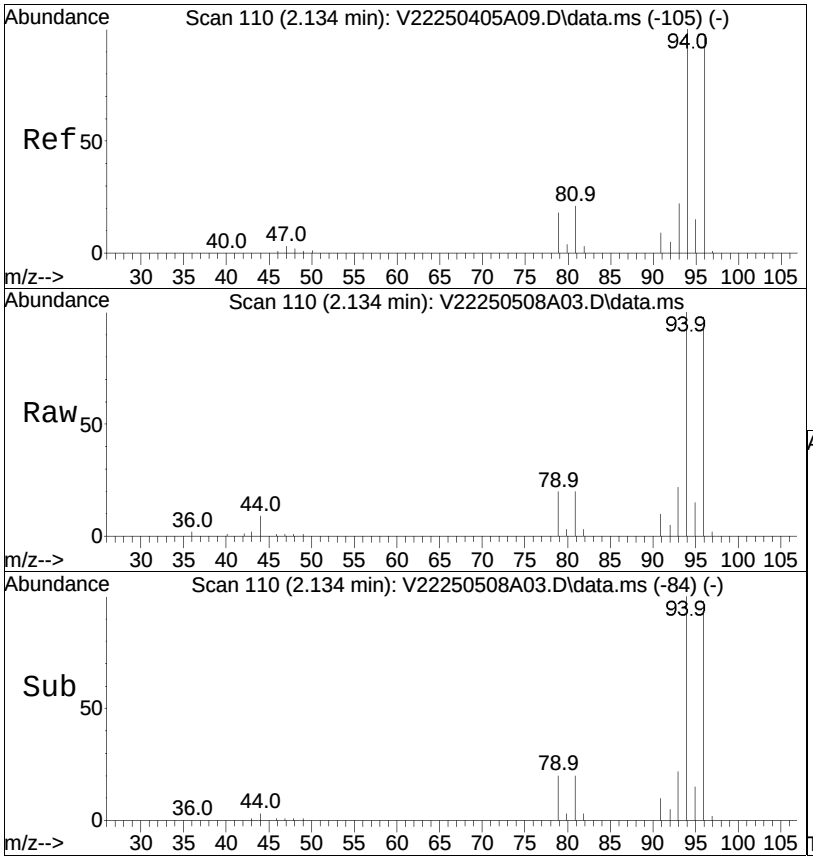


#4
Vinyl chloride
Concen: 8.34 ug/L
RT: 1.836 min Scan# 72
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 62 Resp: 66045

Ion	Ratio	Lower	Upper
62	100		
64	30.9	9.3	49.3

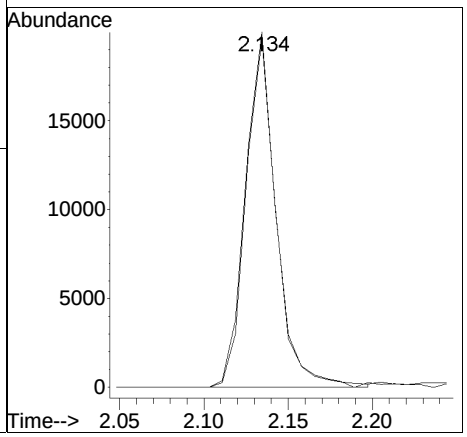


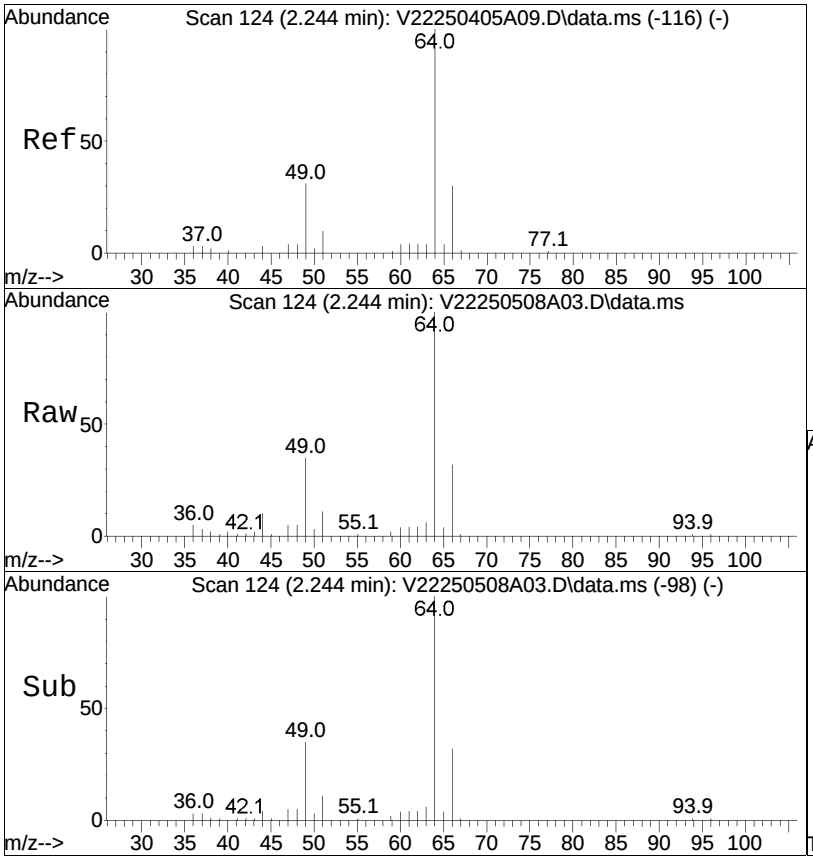


#5
Bromomethane
Concen: 10.24 ug/L
RT: 2.134 min Scan# 110
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 94 Resp: 25375

Ion	Ratio	Lower	Upper
94	100		
96	96.2	75.3	115.3

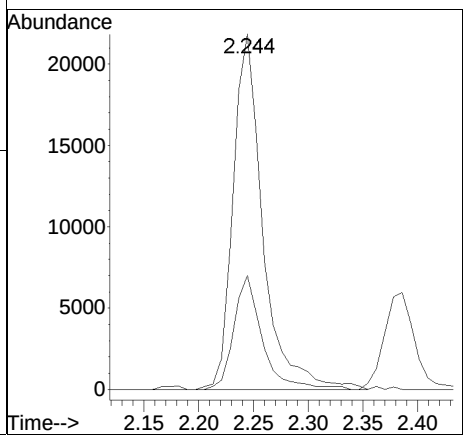


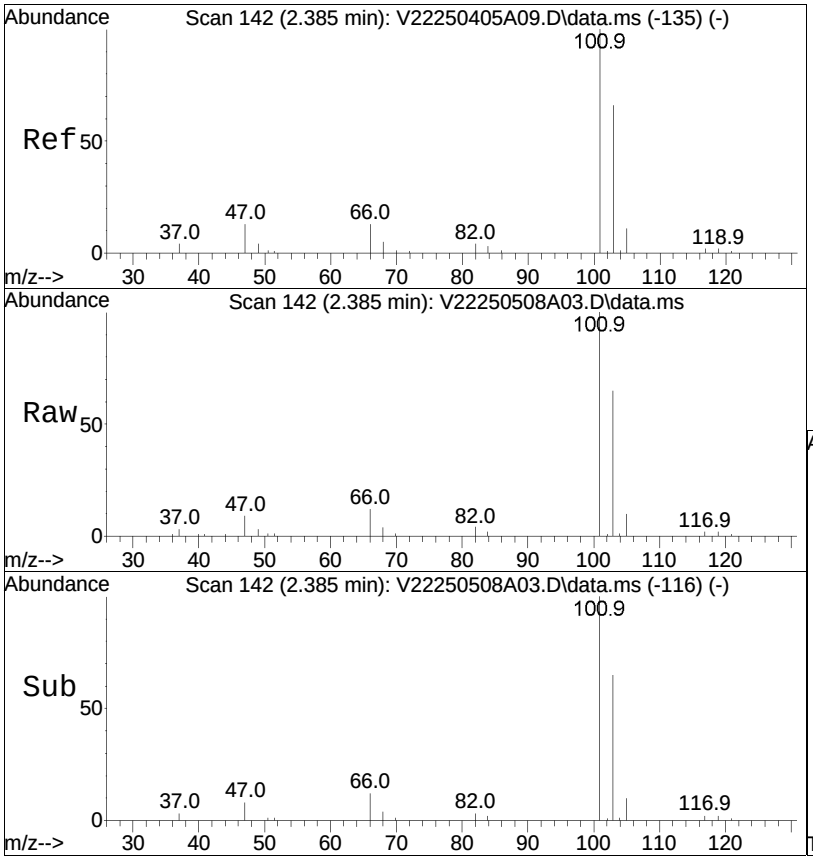


#6
Chloroethane
Concen: 10.15 ug/L
RT: 2.244 min Scan# 124
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 64 Resp: 41367

Ion	Ratio	Lower	Upper
64	100		
66	30.5	11.2	51.2

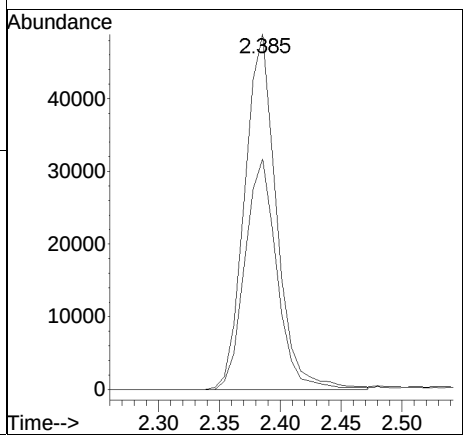


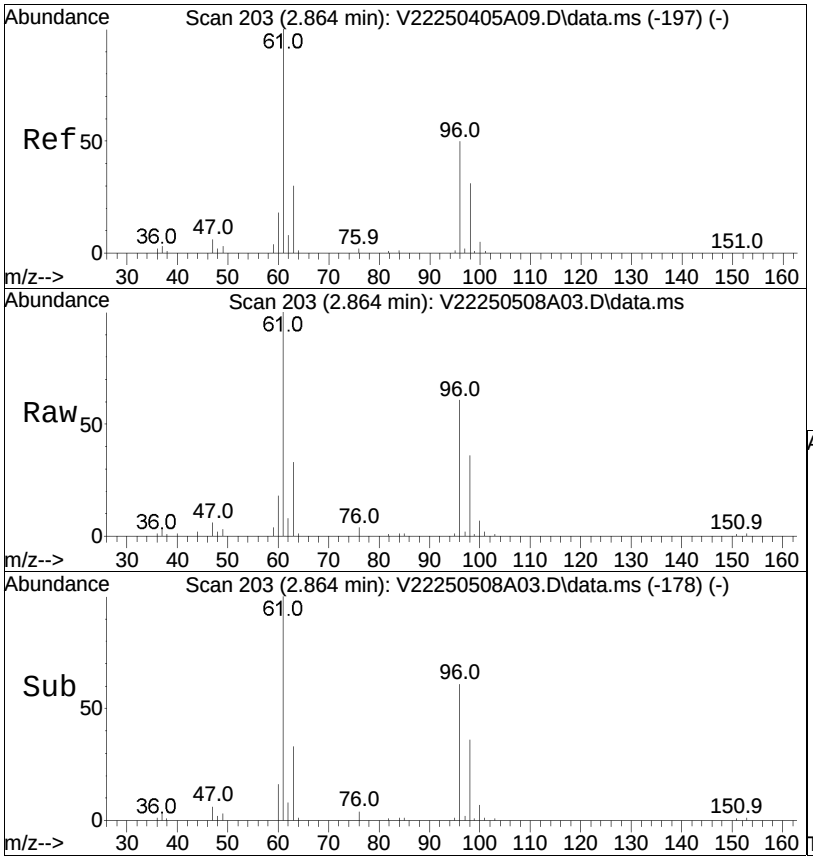


#7
Trichlorofluoromethane
Concen: 11.75 ug/L
RT: 2.385 min Scan# 142
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:101 Resp: 89176

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.8

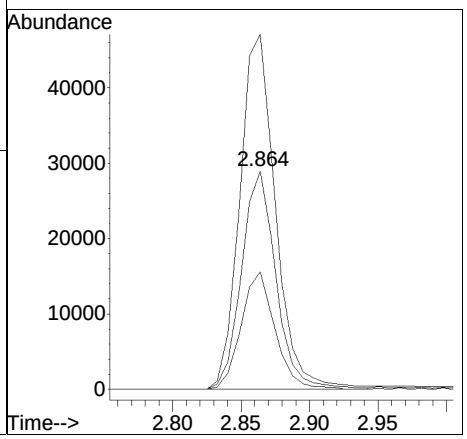


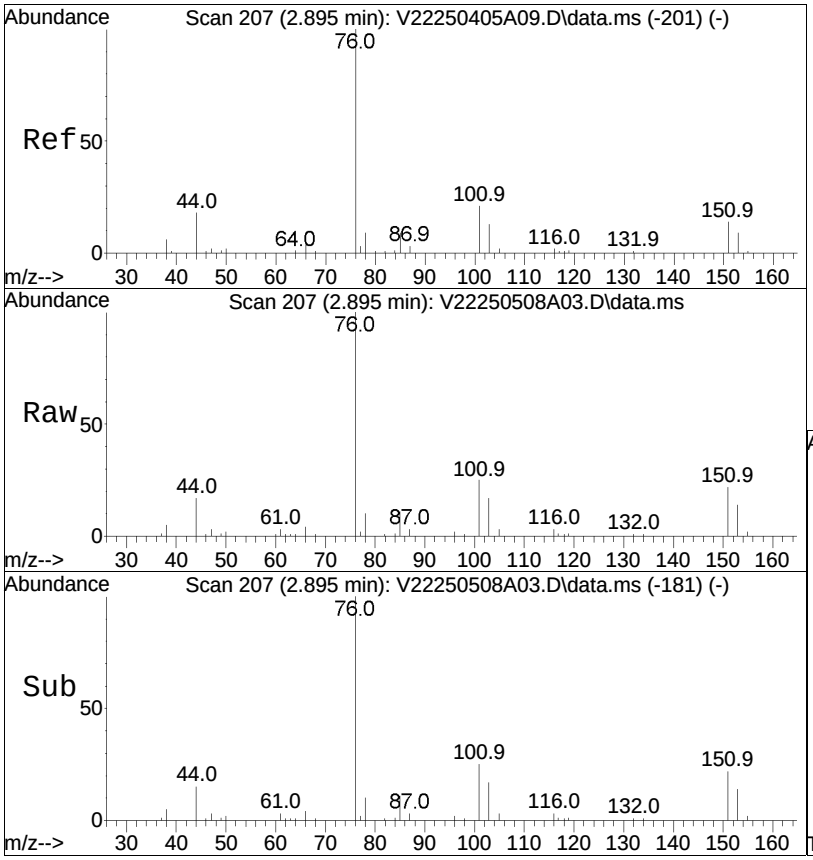


#10
1,1-Dichloroethene
Concen: 11.06 ug/L
RT: 2.864 min Scan# 203
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 96 Resp: 50677

Ion	Ratio	Lower	Upper
96	100		
61	169.0	159.0	238.4
63	53.0	48.7	73.1

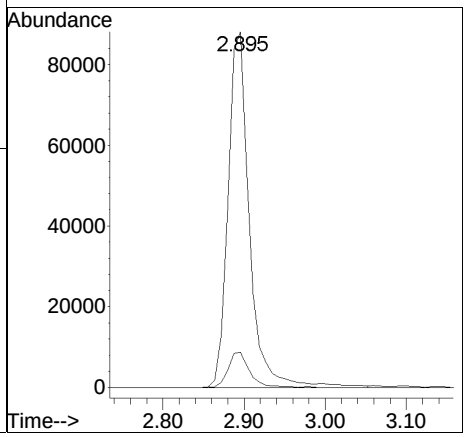


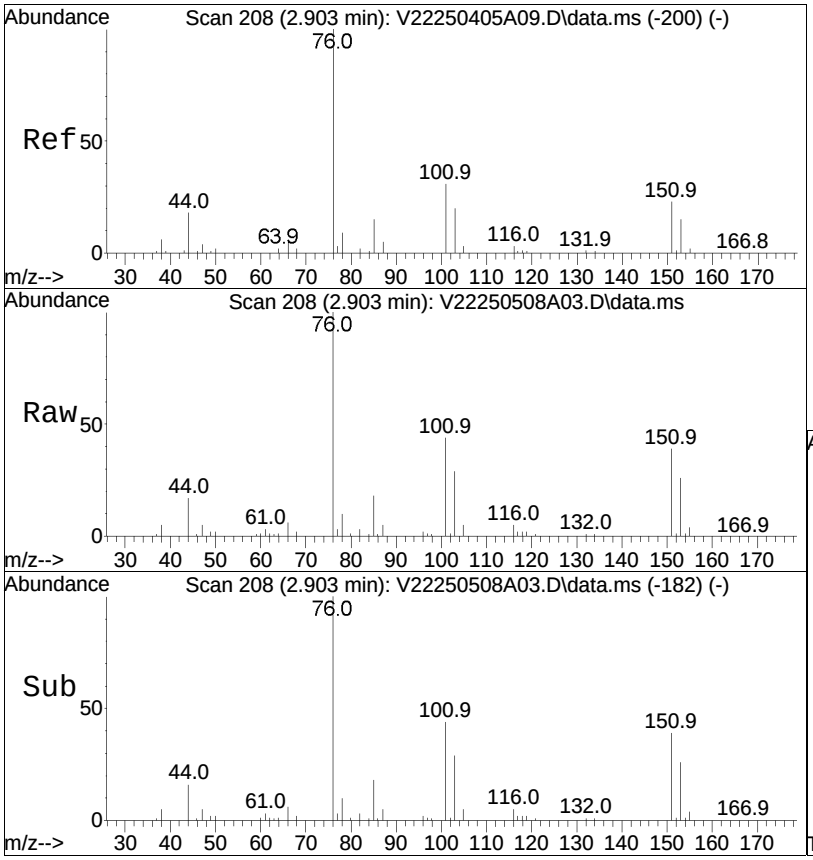


#11
Carbon disulfide
Concen: 9.78 ug/L
RT: 2.895 min Scan# 207
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 76 Resp: 161367

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.2	12.8

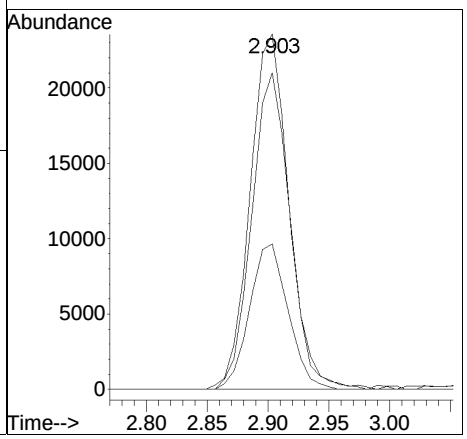


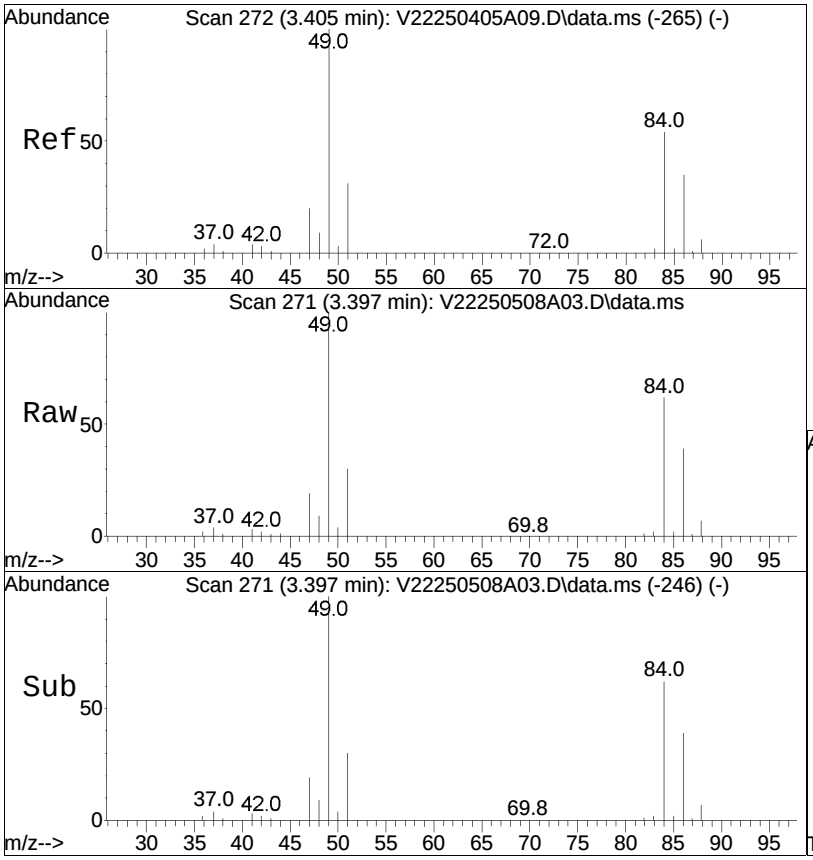


#12
Freon-113
Concen: 10.94 ug/L
RT: 2.903 min Scan# 208
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:101 Resp: 52038

Ion	Ratio	Lower	Upper
101	100		
151	89.4	58.3	87.5#
85	40.9	35.3	52.9

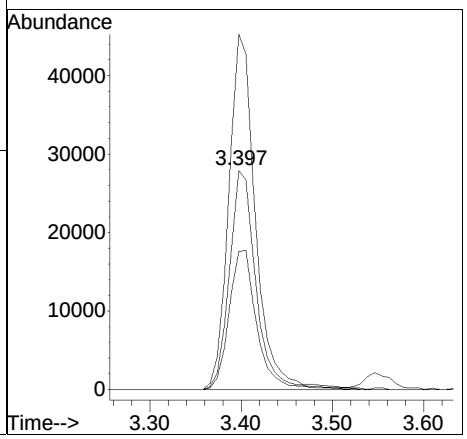


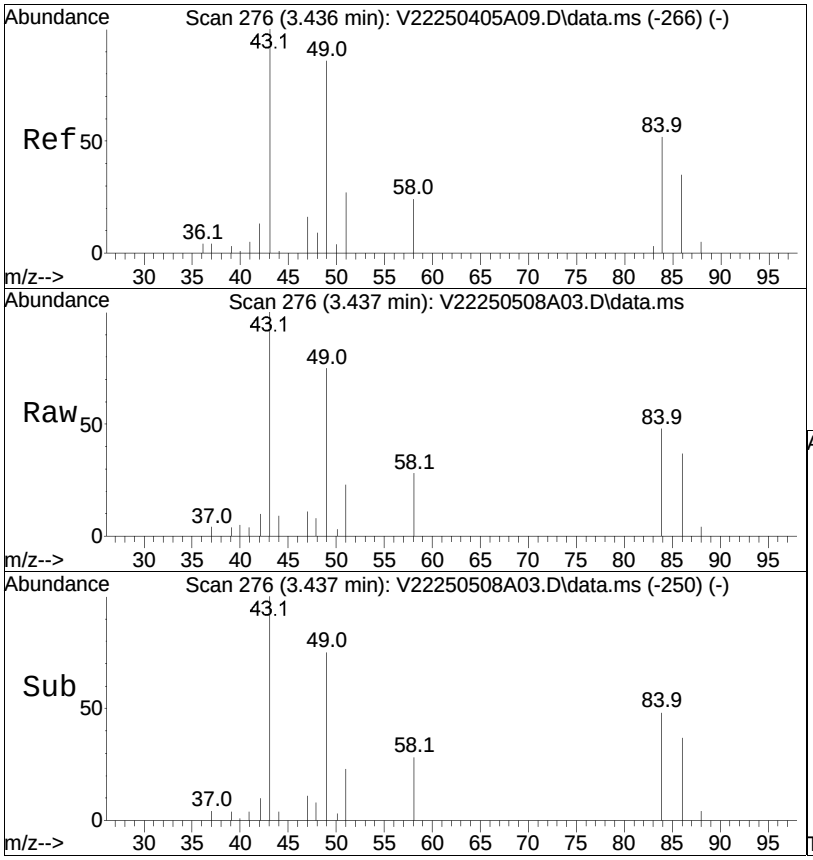


#15
Methylene chloride
Concen: 10.12 ug/L
RT: 3.397 min Scan# 271
Delta R.T. -0.008 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 84 Resp: 56556

Ion	Ratio	Lower	Upper
84	100		
86	66.1	42.3	87.9
49	162.8	121.1	251.5

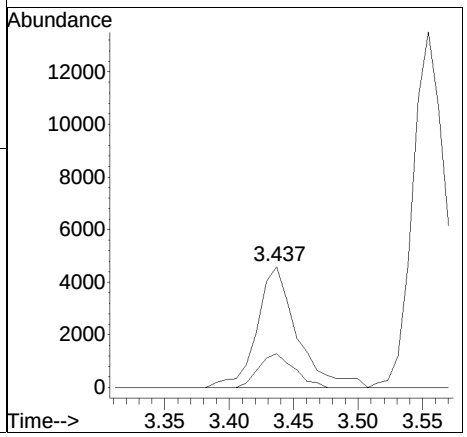


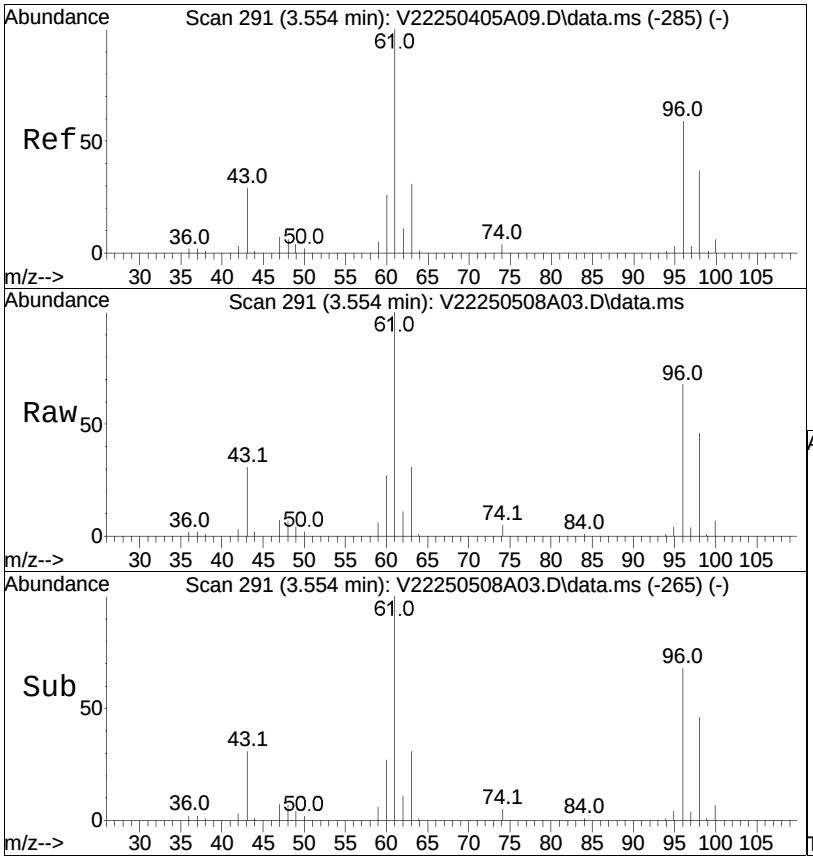


#17
Acetone
Concen: 8.68 ug/L
RT: 3.437 min Scan# 276
Delta R.T. 0.001 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 43 Resp: 9917

Ion	Ratio	Lower	Upper
43	100		
58	24.8	20.0	30.0

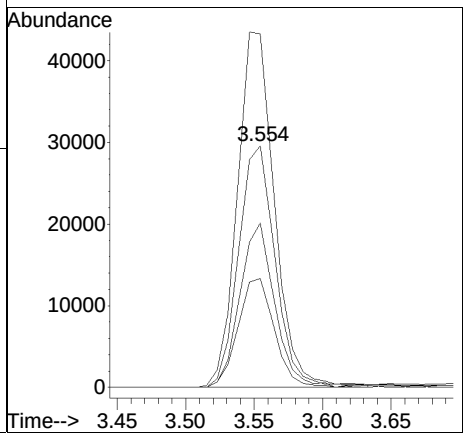


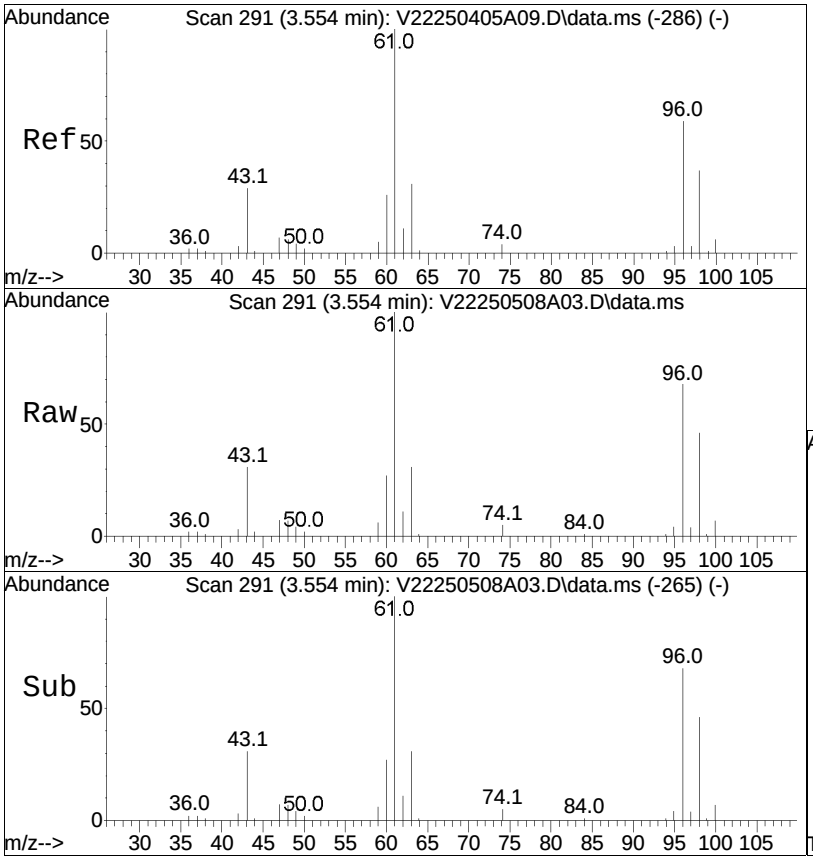


#18
trans-1,2-Dichloroethene
Concen: 10.56 ug/L
RT: 3.554 min Scan# 291
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 96 Resp: 55374

Ion	Ratio	Lower	Upper
96	100		
61	148.7	110.0	228.6
98	64.6	41.0	85.2
63	44.7	34.1	70.7

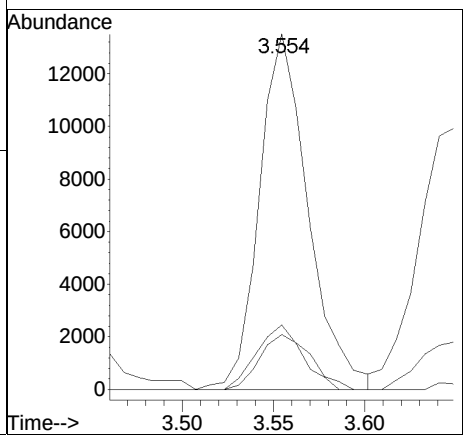


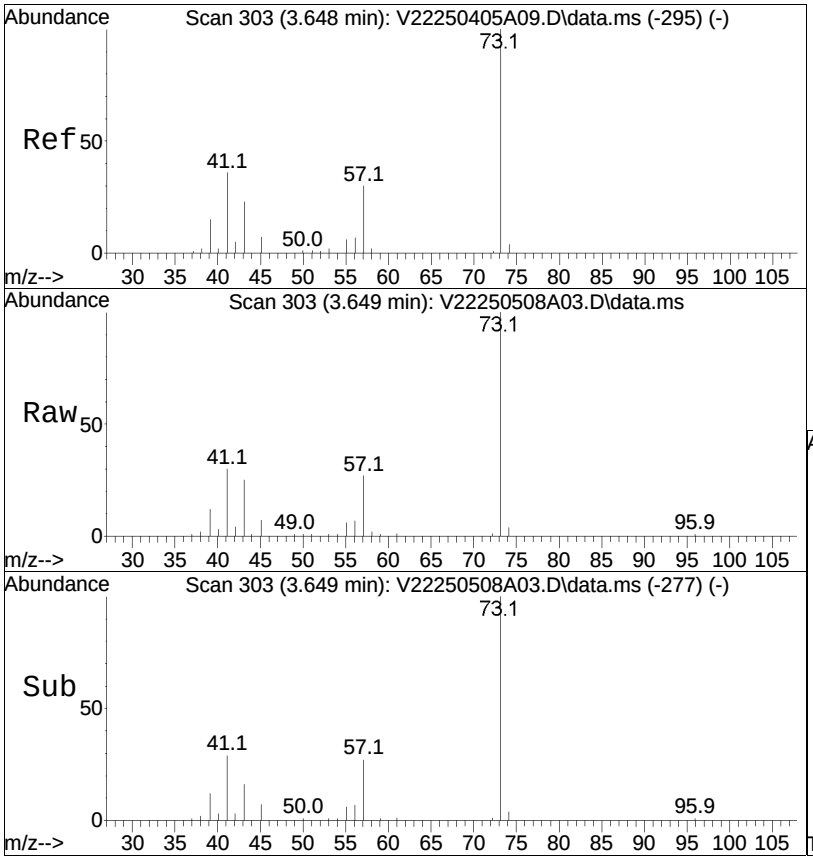


#19
Methyl acetate
Concen: 8.31 ug/L
RT: 3.554 min Scan# 291
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 43 Resp: 25145

Ion	Ratio	Lower	Upper
43	100		
74	16.1	12.2	18.2
59	16.9	13.8	20.8

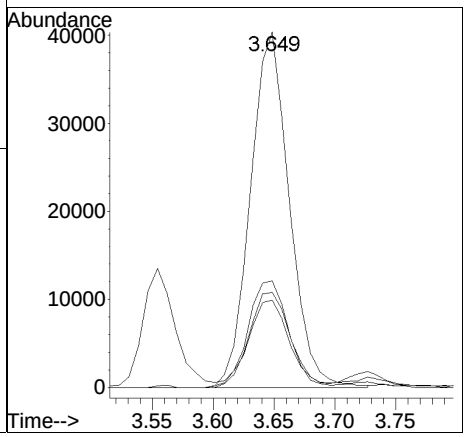


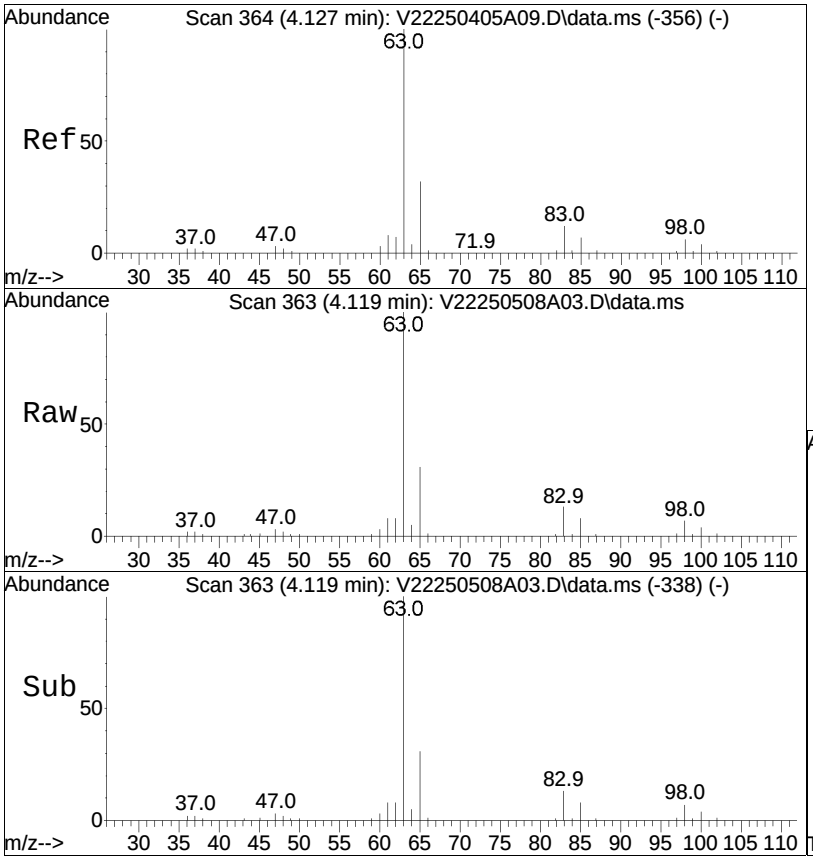


#21
Methyl tert-butyl ether
Concen: 9.05 ug/L
RT: 3.649 min Scan# 303
Delta R.T. 0.001 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 73 Resp: 89587

Ion	Ratio	Lower	Upper
73	100		
57	27.9	18.3	38.1
43	26.3	17.9	37.3
41	31.6	22.9	47.5

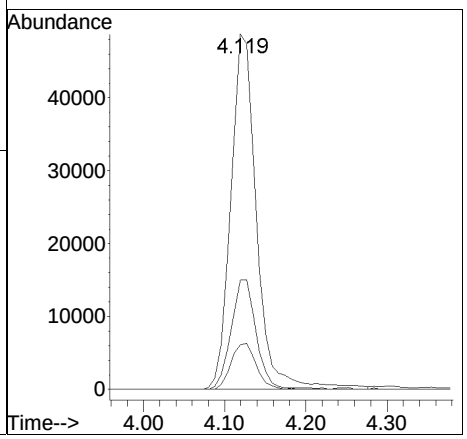


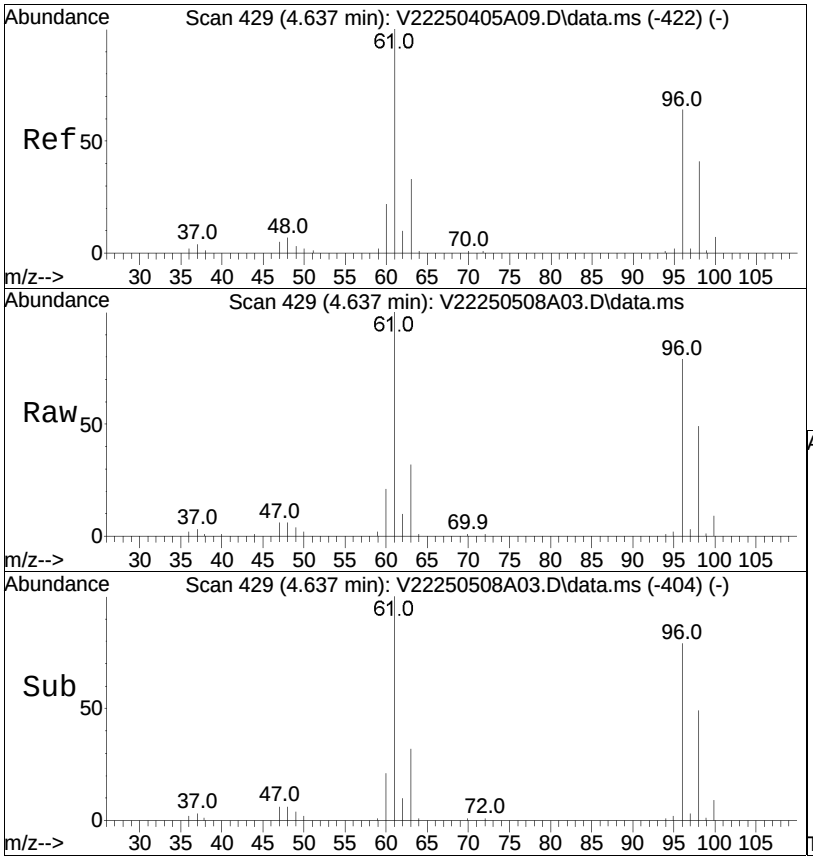


#25
1,1-Dichloroethane
Concen: 9.37 ug/L
RT: 4.119 min Scan# 363
Delta R.T. -0.008 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 63 Resp: 108032

Ion	Ratio	Lower	Upper
63	100		
65	29.7	10.1	50.1
83	12.6	0.0	31.2

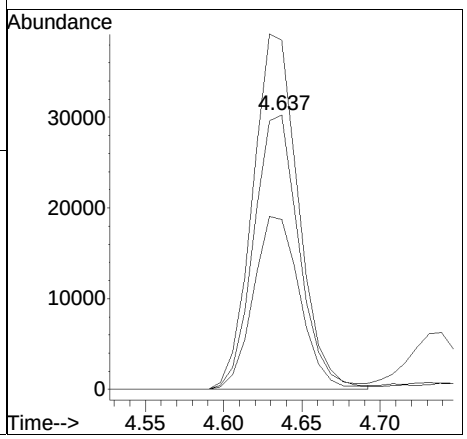


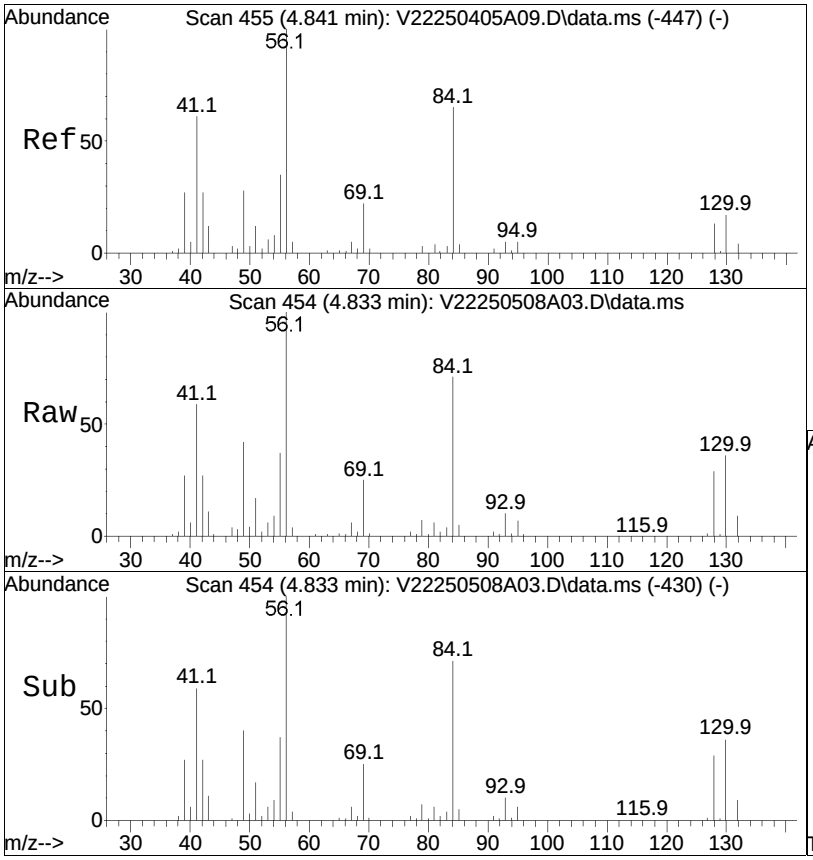


#30
cis-1,2-Dichloroethene
Concen: 10.85 ug/L
RT: 4.637 min Scan# 429
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 96 Resp: 60845

Ion	Ratio	Lower	Upper
96	100		
61	130.6	125.0	187.4
98	64.9	52.2	78.2

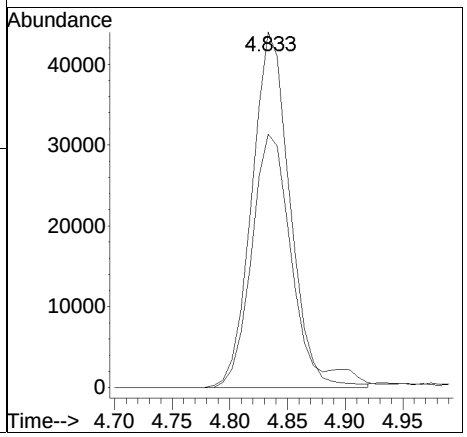


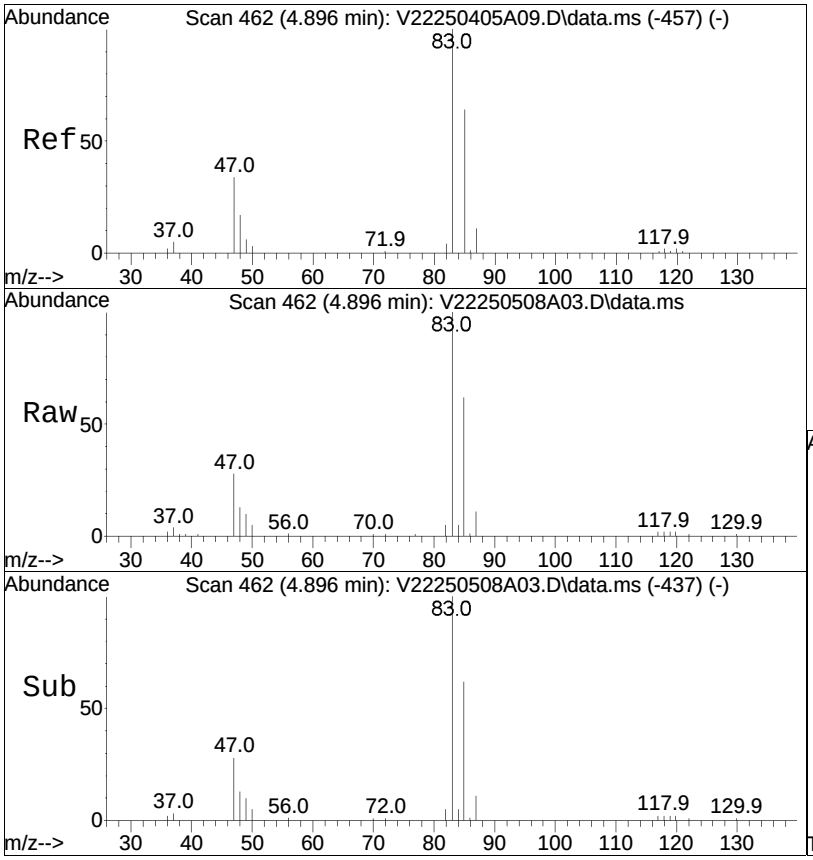


#33
Cyclohexane
Concen: 8.44 ug/L
RT: 4.833 min Scan# 454
Delta R.T. -0.008 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 56 Resp: 100671

Ion	Ratio	Lower	Upper
56	100		
84	77.1	44.9	93.3

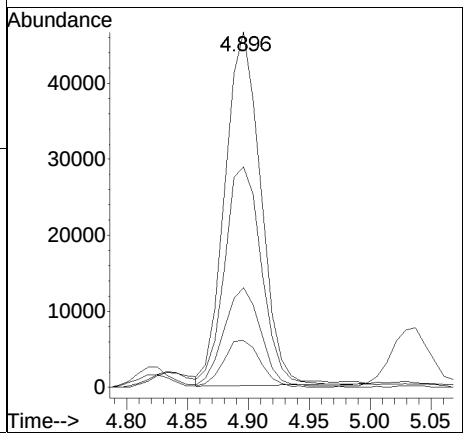


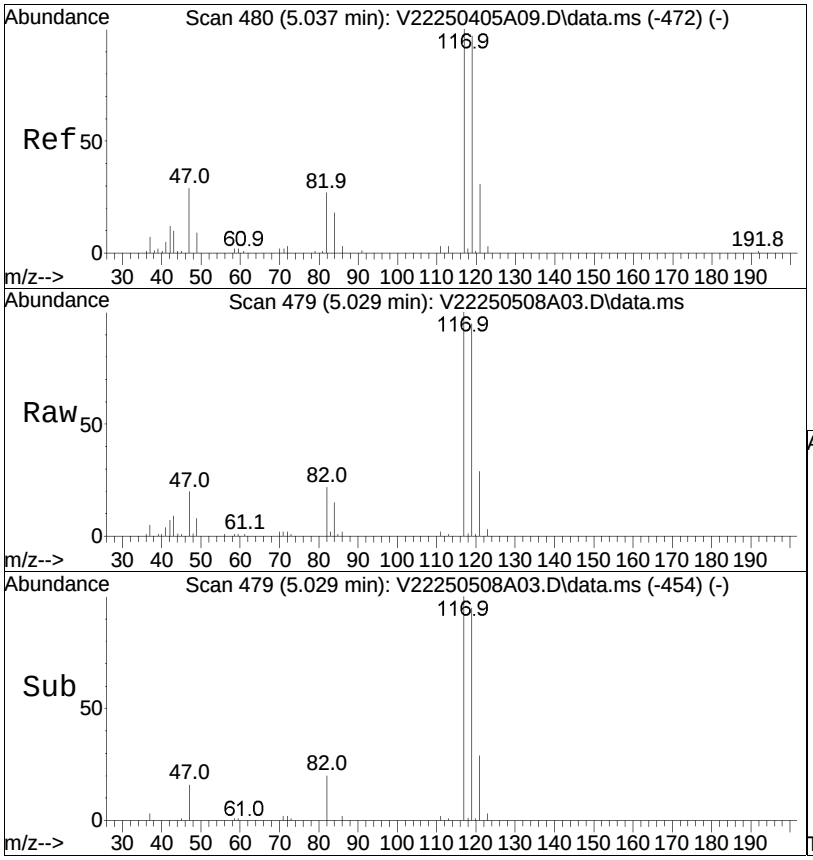


#34
Chloroform
Concen: 10.00 ug/L
RT: 4.896 min Scan# 462
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 83 Resp: 95759

Ion	Ratio	Lower	Upper
83	100		
85	64.2	42.0	87.2
47	28.0	21.5	44.6
48	14.0	10.5	21.7

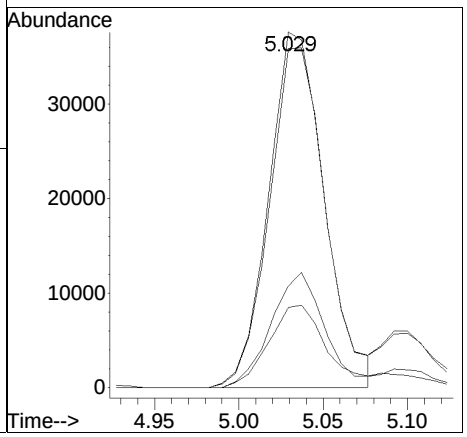


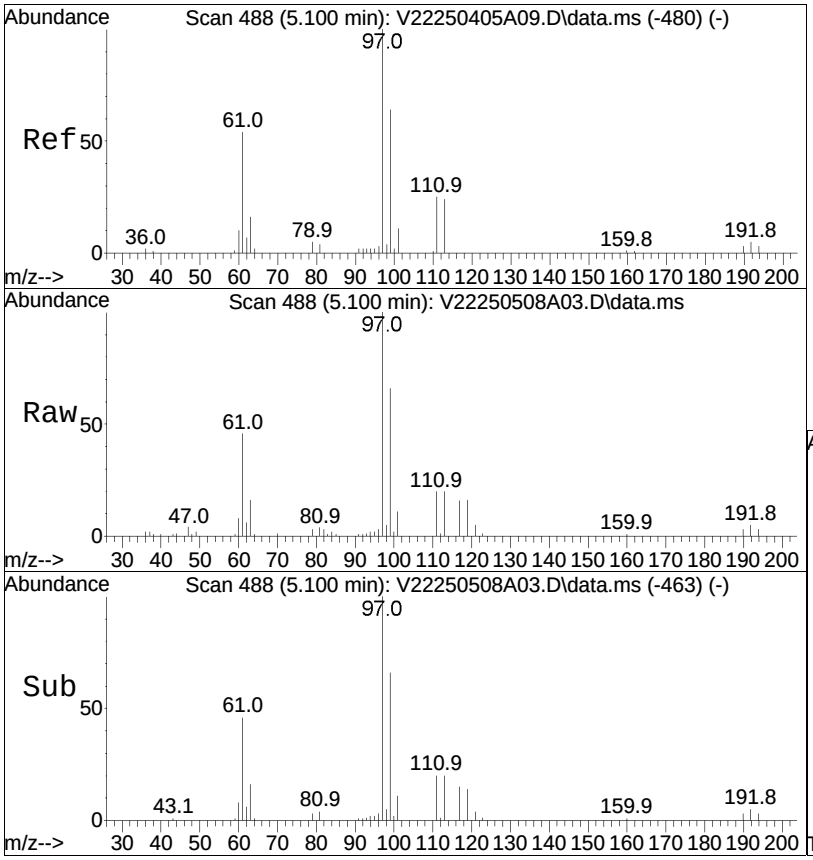


#36
Carbon tetrachloride
Concen: 12.16 ug/L
RT: 5.029 min Scan# 479
Delta R.T. -0.008 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:117 Resp: 86389

Ion	Ratio	Lower	Upper
117	100		
119	96.6	63.0	130.8
121	31.2	20.7	42.9
82	24.0	18.7	38.7

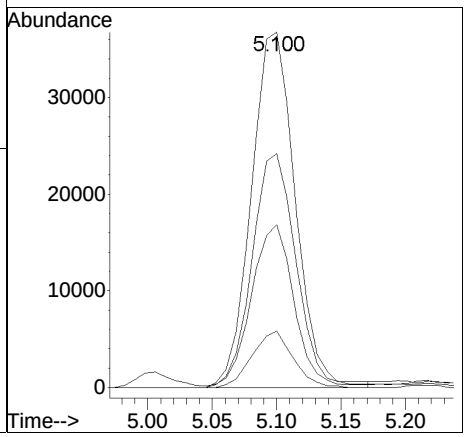


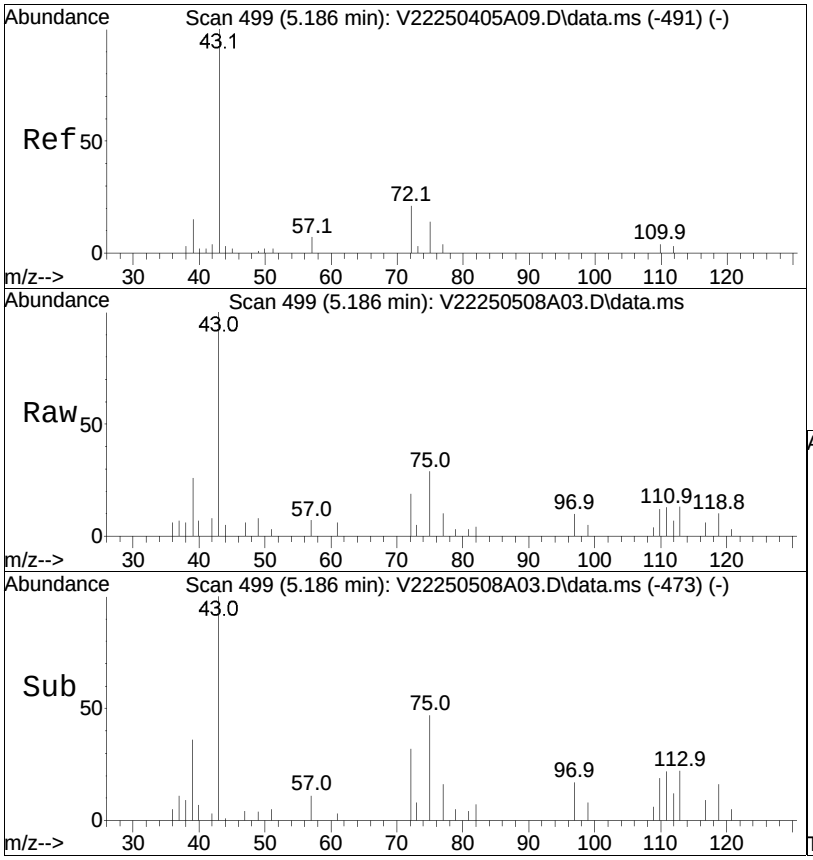


#39
1,1,1-Trichloroethane
Concen: 11.03 ug/L
RT: 5.100 min Scan# 488
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 97 Resp: 87113

Ion	Ratio	Lower	Upper
97	100		
99	66.2	42.6	88.6
61	44.8	34.0	70.6
63	14.7	10.4	21.6

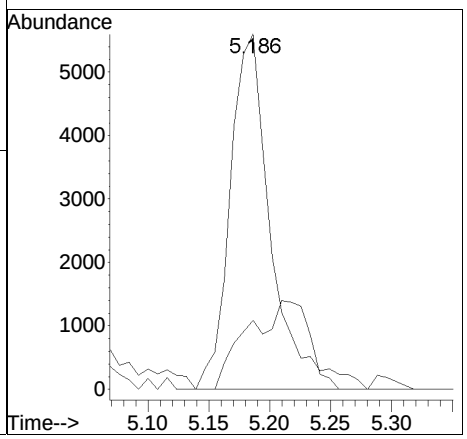


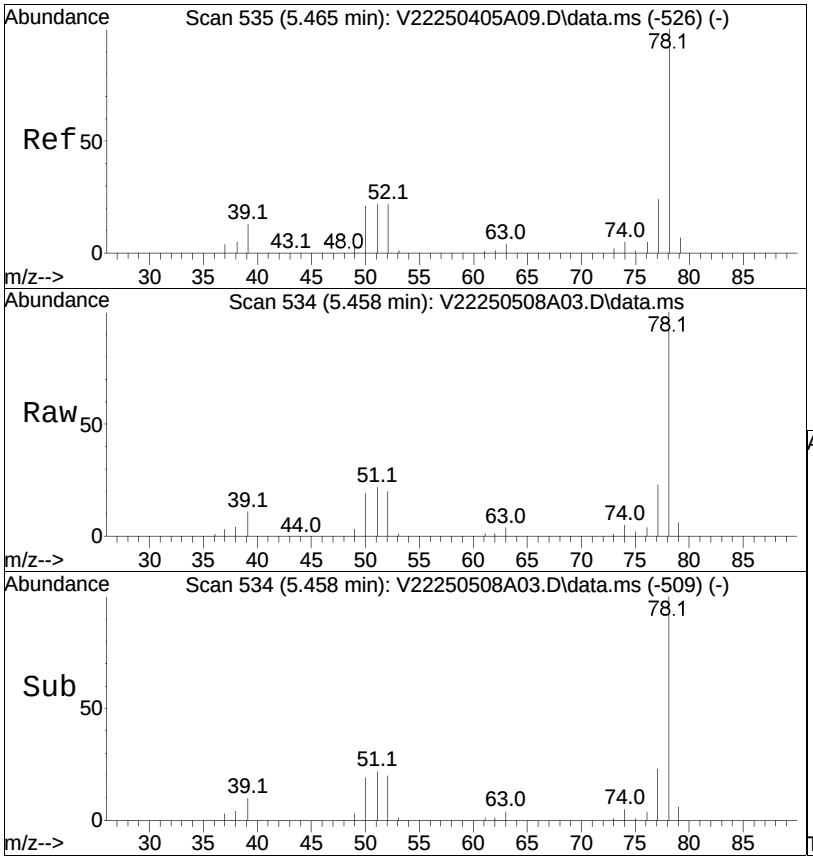


#41
2-Butanone
Concen: 8.21 ug/L
RT: 5.186 min Scan# 499
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 43 Resp: 13153

Ion	Ratio	Lower	Upper
43	100		
72	37.0	10.9	16.3#

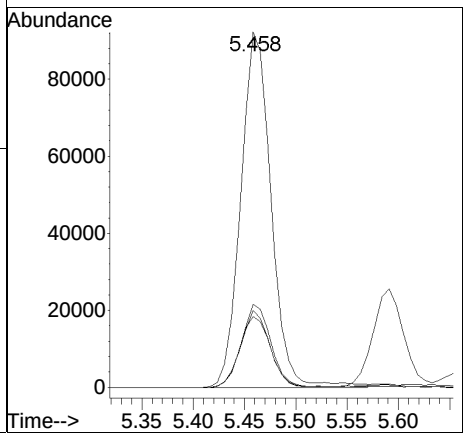


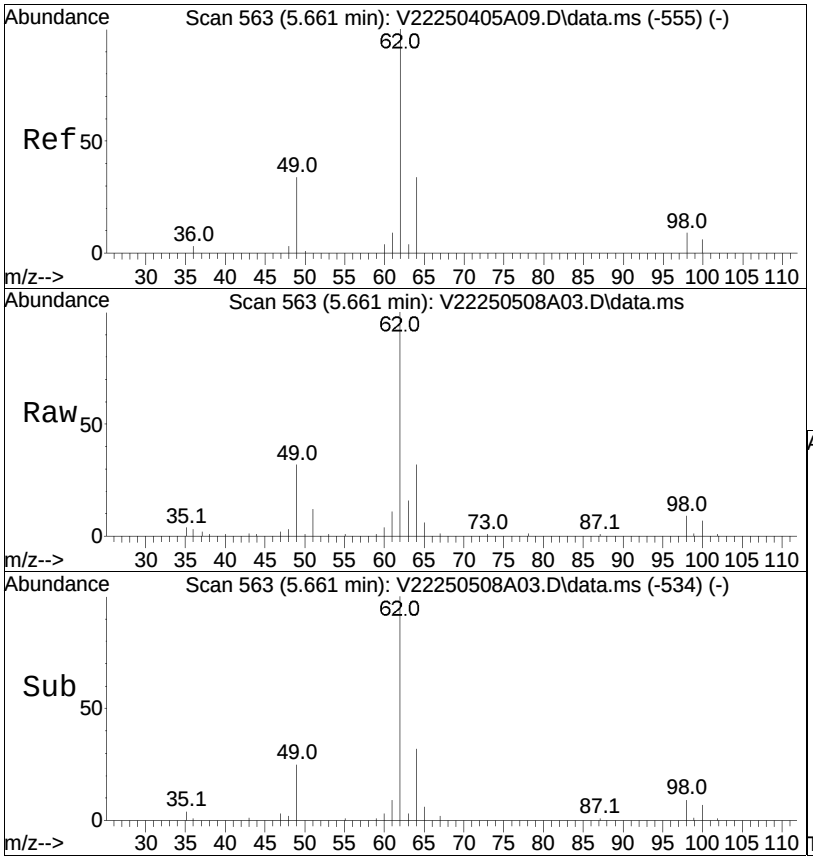


#44
Benzene
Concen: 9.19 ug/L
RT: 5.458 min Scan# 534
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 78 Resp: 190075

Ion	Ratio	Lower	Upper
78	100		
77	22.7	15.5	32.3
51	20.7	14.9	30.9
52	20.2	14.7	30.5

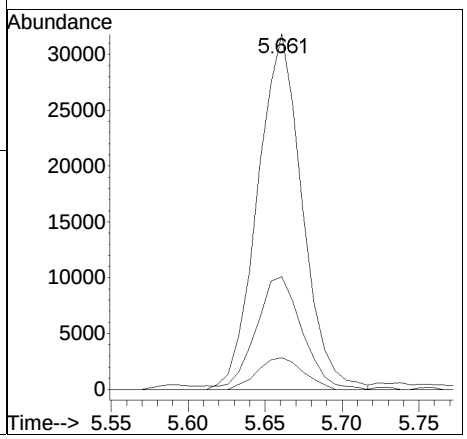


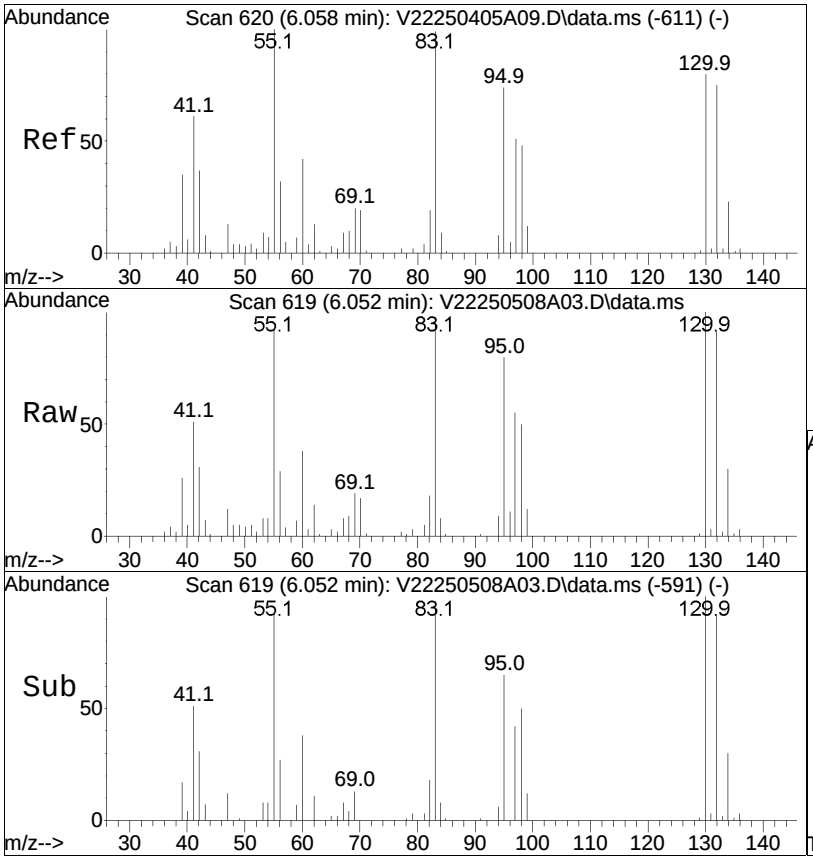


#47
1,2-Dichloroethane
Concen: 9.29 ug/L
RT: 5.661 min Scan# 563
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 62 Resp: 64100

Ion	Ratio	Lower	Upper
62	100		
64	32.5	11.9	51.9
98	9.2	0.0	28.1

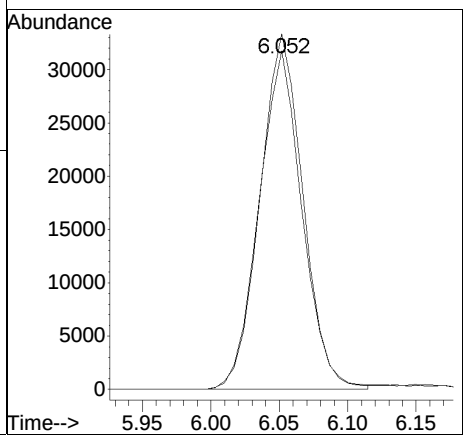


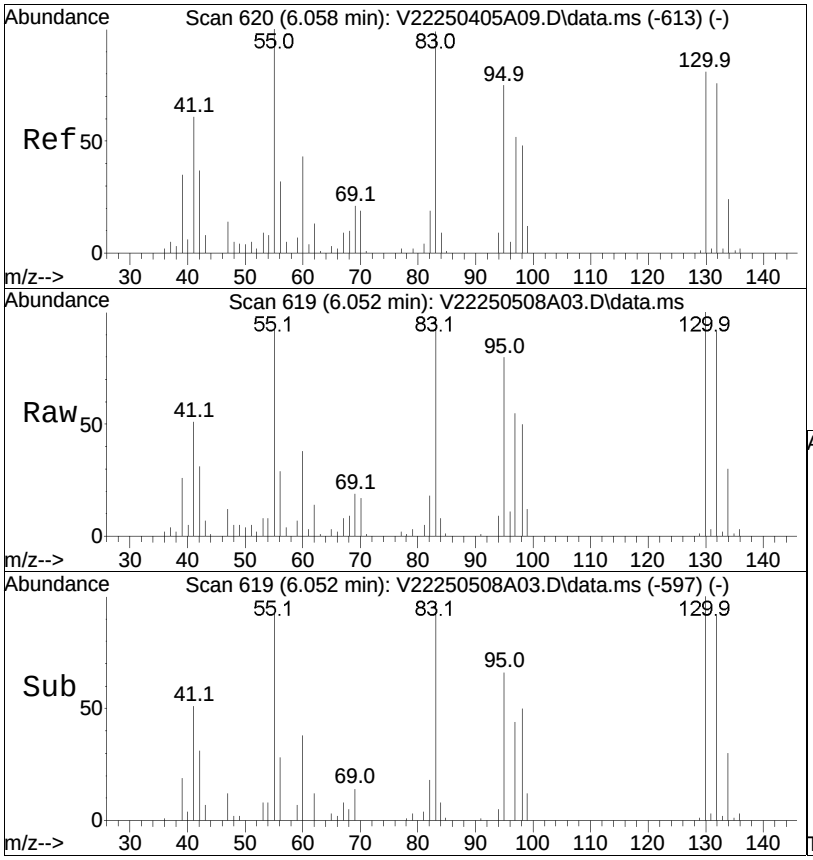


#50
Methyl cyclohexane
Concen: 7.75 ug/L
RT: 6.052 min Scan# 619
Delta R.T. -0.006 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 83 Resp: 72782

Ion	Ratio	Lower	Upper
83	100		
55	96.3	81.9	122.9

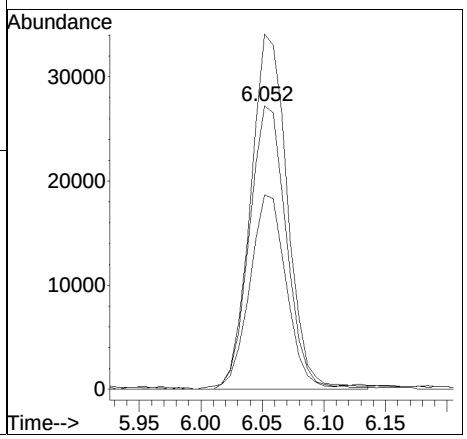


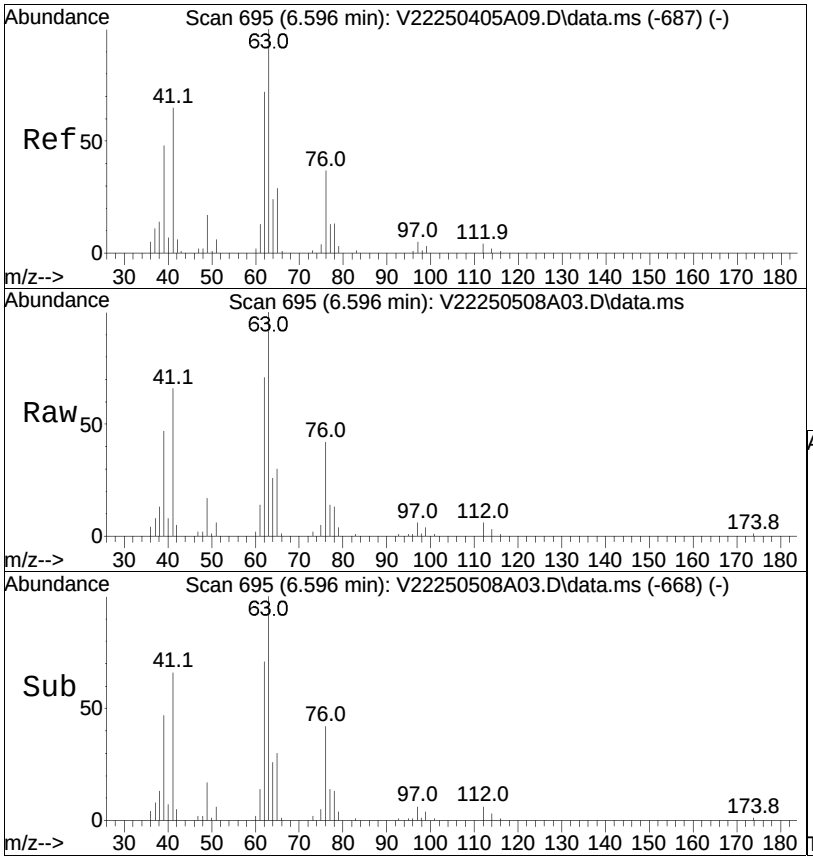


#51
Trichloroethene
Concen: 10.20 ug/L
RT: 6.052 min Scan# 619
Delta R.T. -0.006 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 95 Resp: 57372

Ion	Ratio	Lower	Upper
95	100		
97	68.2	54.8	82.2
130	123.3	84.5	126.7

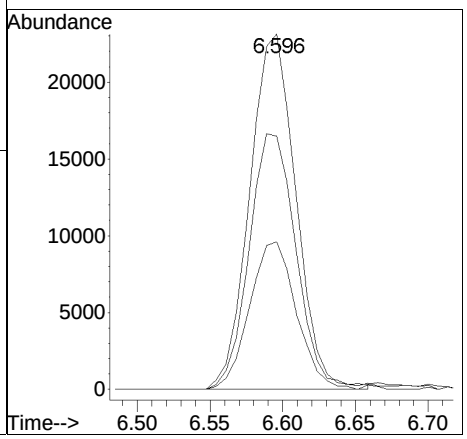


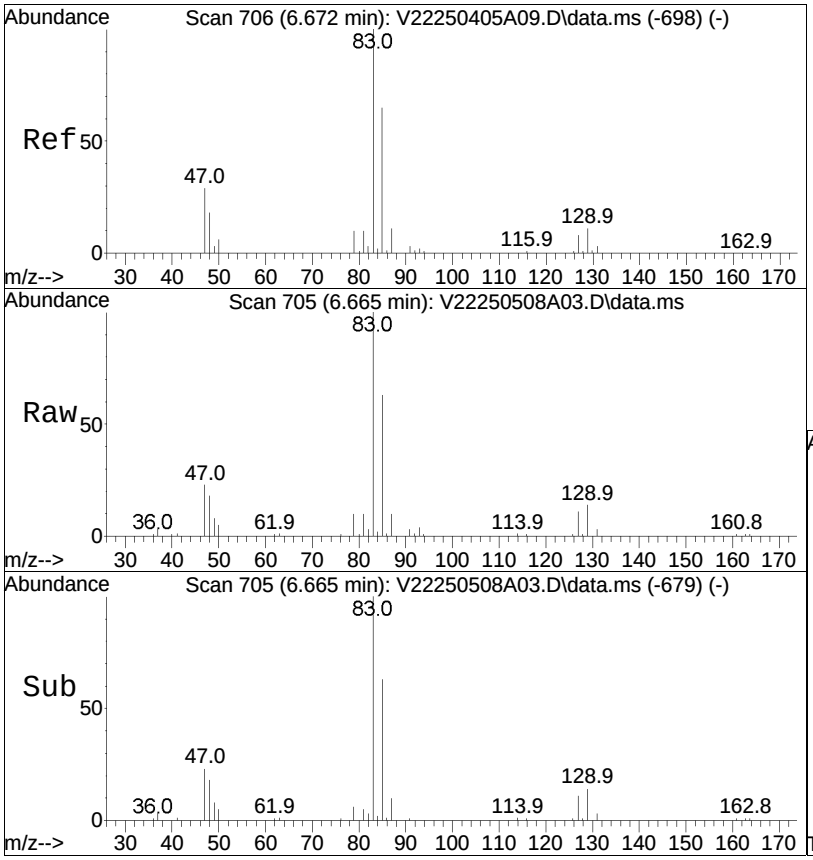


#54
1,2-Dichloropropane
Concen: 8.42 ug/L
RT: 6.596 min Scan# 695
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 63 Resp: 51124

Ion	Ratio	Lower	Upper
63	100		
62	72.9	56.5	84.7
76	42.0	28.9	43.3

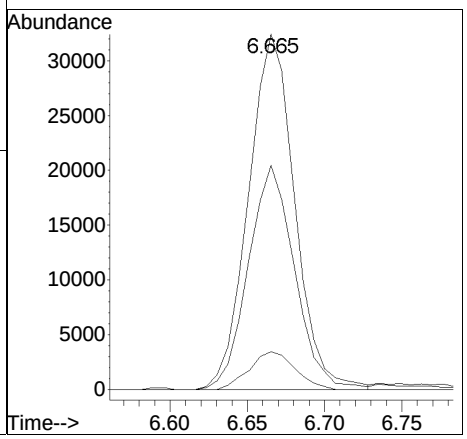


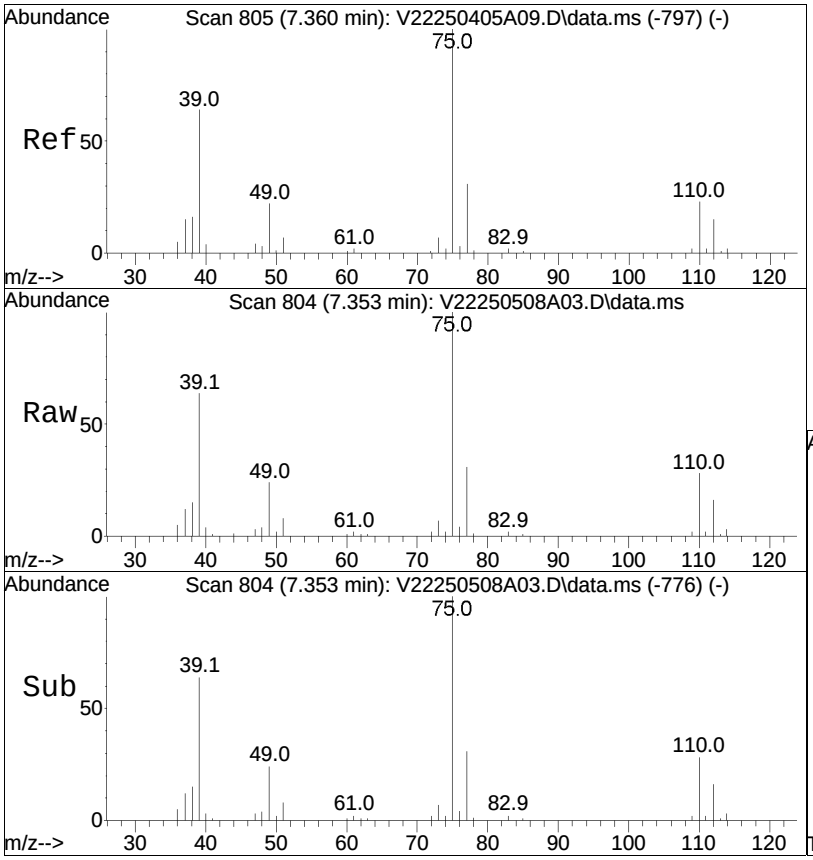


#57
Bromodichloromethane
Concen: 9.82 ug/L
RT: 6.665 min Scan# 705
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 83 Resp: 67454

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.7	76.1
127	10.5	6.5	9.7#

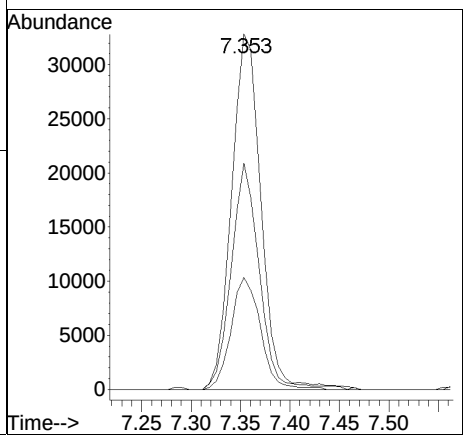


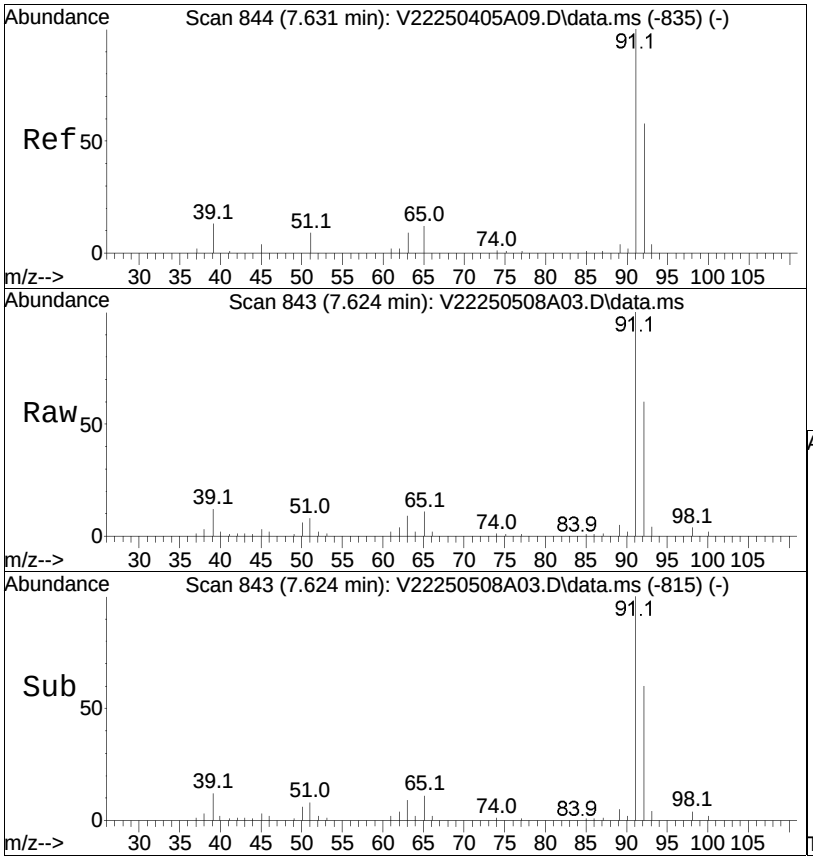


#61
cis-1,3-Dichloropropene
Concen: 8.98 ug/L
RT: 7.353 min Scan# 804
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 75 Resp: 68182

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4
39	60.1	53.9	80.9

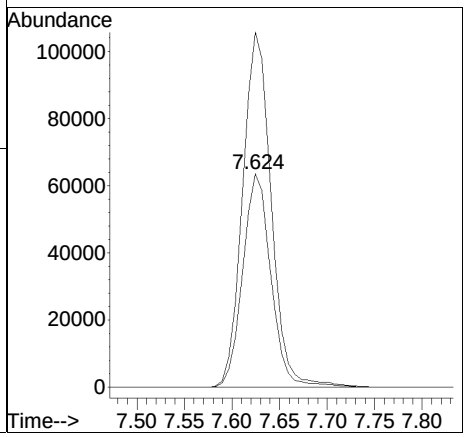


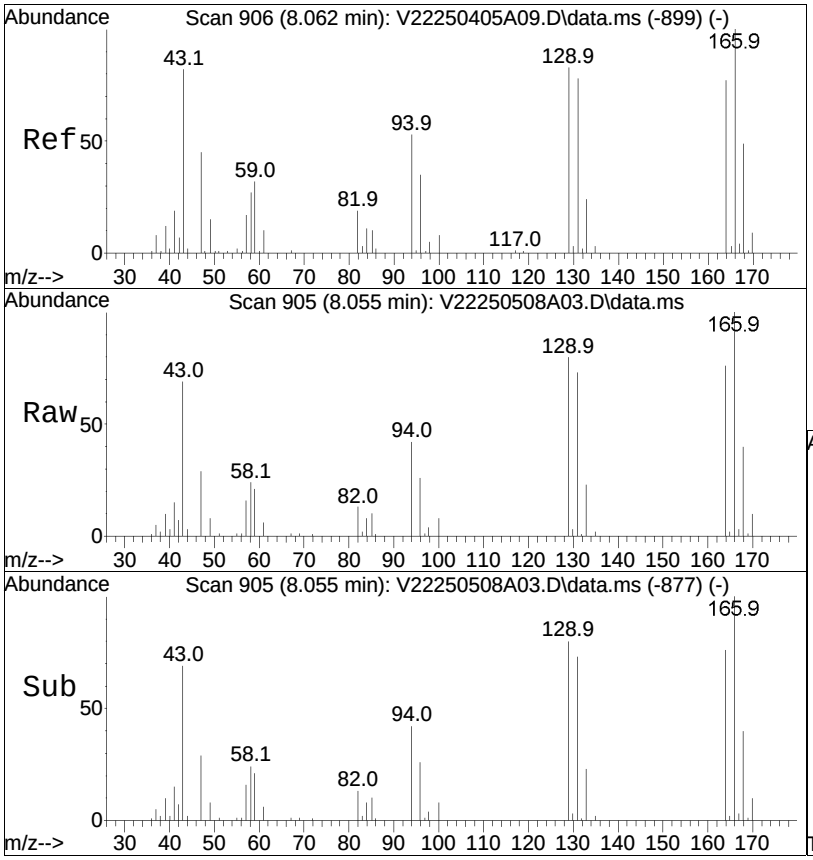


#64
Toluene
Concen: 8.84 ug/L
RT: 7.624 min Scan# 843
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 92 Resp: 131679

Ion	Ratio	Lower	Upper
92	100		
91	168.1	139.3	208.9

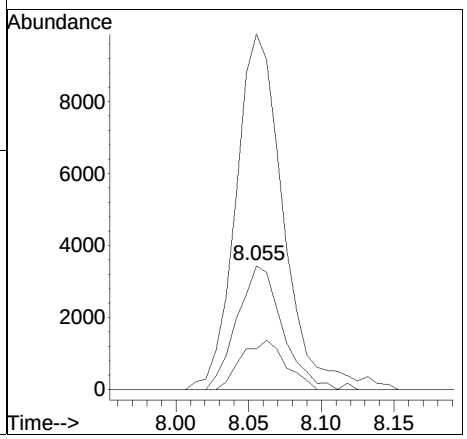


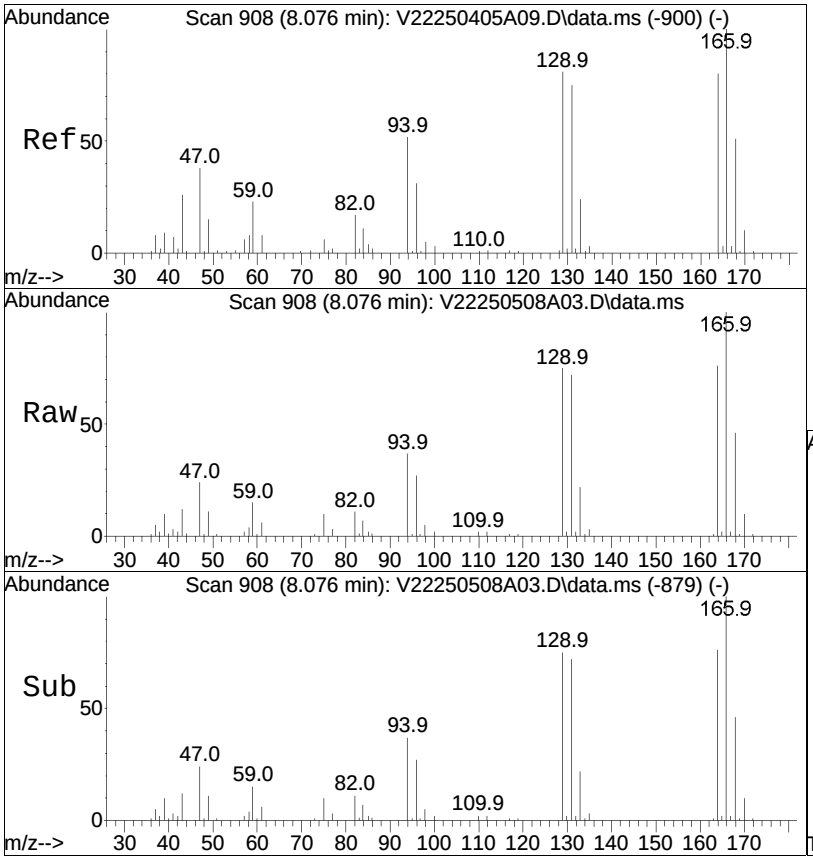


#65
4-Methyl-2-pentanone
Concen: 6.85 ug/L
RT: 8.055 min Scan# 905
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 58 Resp: 7477

Ion	Ratio	Lower	Upper
58	100		
100	38.9	22.6	33.8#
43	301.2	243.1	364.7

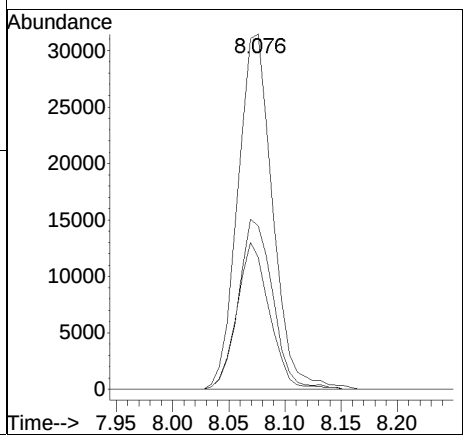


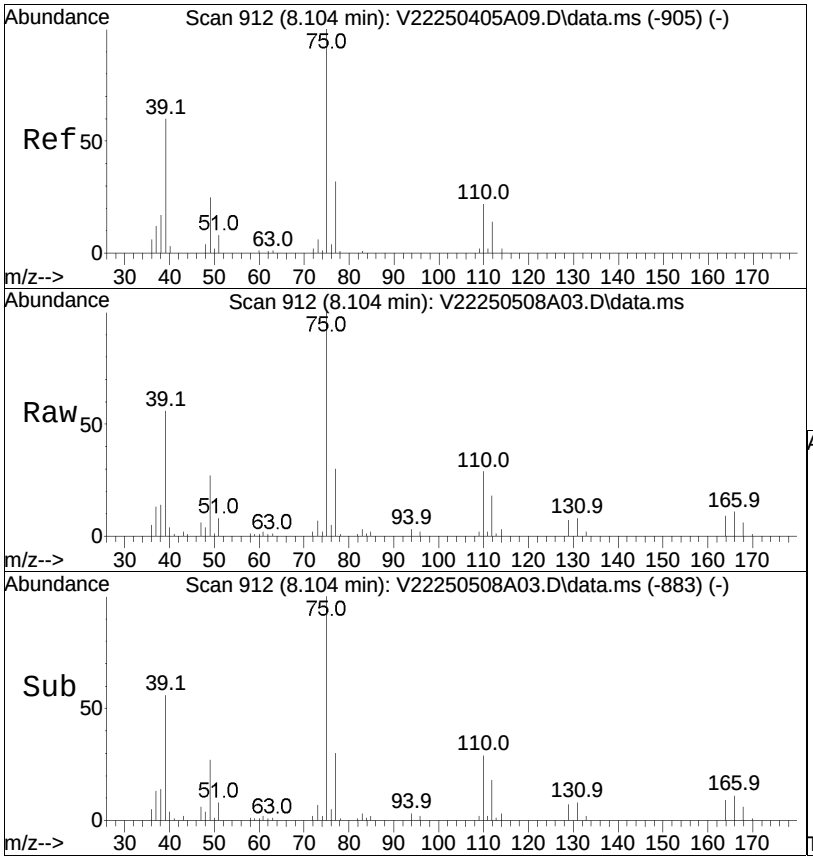


#66
Tetrachloroethene
Concen: 11.29 ug/L
RT: 8.076 min Scan# 908
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:166 Resp: 68033

Ion	Ratio	Lower	Upper
166	100		
168	47.2	30.6	70.6
94	38.8	29.3	69.3

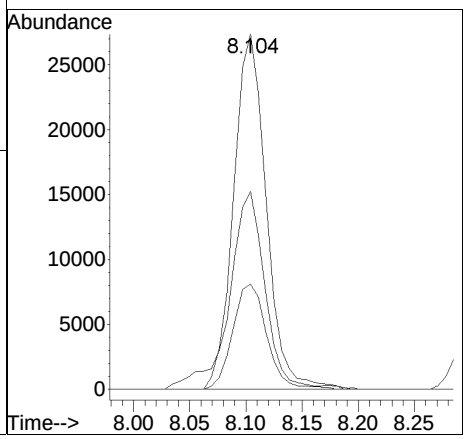


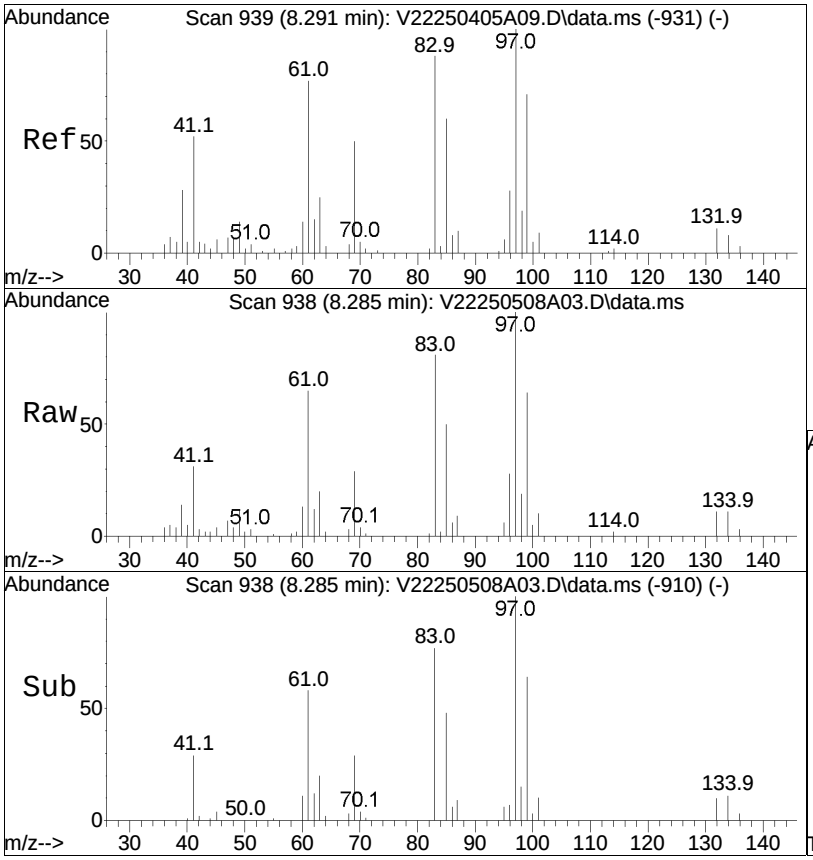


#68
trans-1,3-Dichloropropene
Concen: 7.83 ug/L
RT: 8.104 min Scan# 912
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 75 Resp: 55318

Ion	Ratio	Lower	Upper
75	100		
77	31.0	11.8	51.8
39	61.3	51.3	91.3

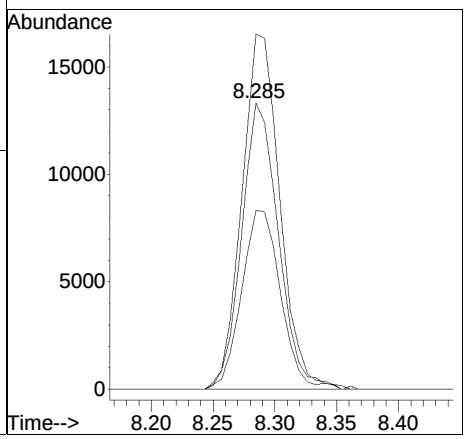


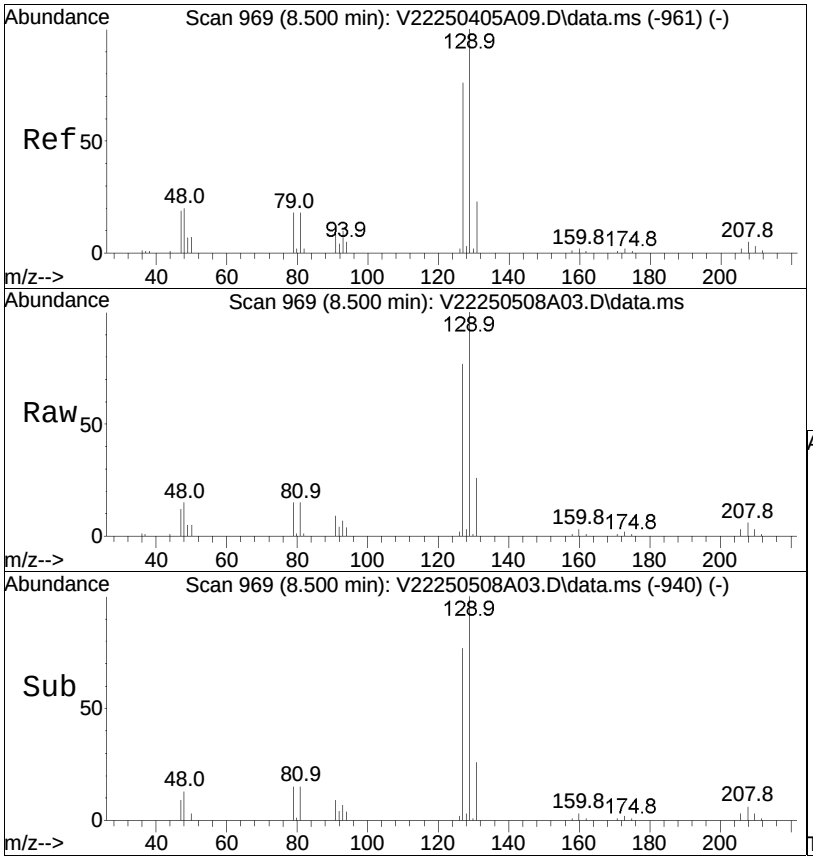


#71
1,1,2-Trichloroethane
Concen: 8.11 ug/L
RT: 8.285 min Scan# 938
Delta R.T. -0.006 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 83 Resp: 27687

Ion	Ratio	Lower	Upper
83	100		
97	127.6	95.6	135.6
85	66.4	45.4	85.4

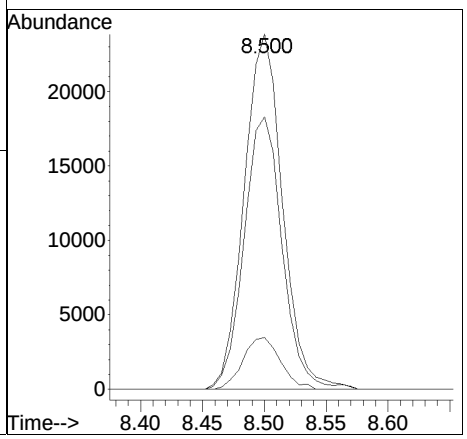


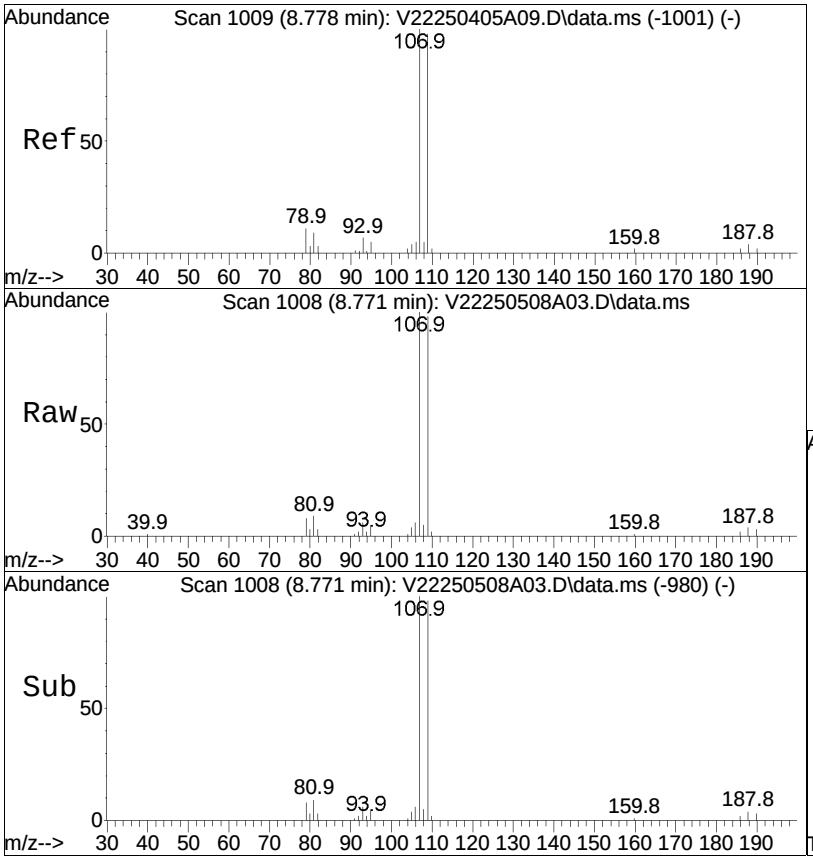


#72
Chlorodibromomethane
Concen: 10.73 ug/L
RT: 8.500 min Scan# 969
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:129 Resp: 51570

Ion	Ratio	Lower	Upper
129	100		
81	14.3	0.0	38.8
127	76.2	56.4	96.4

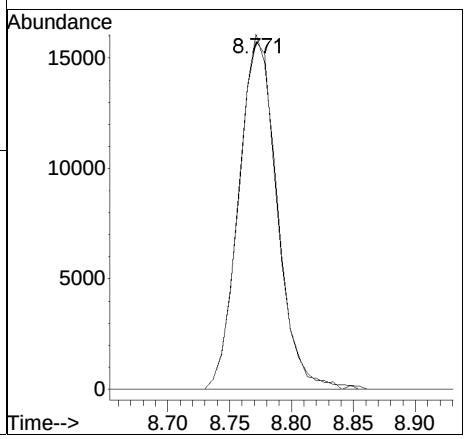


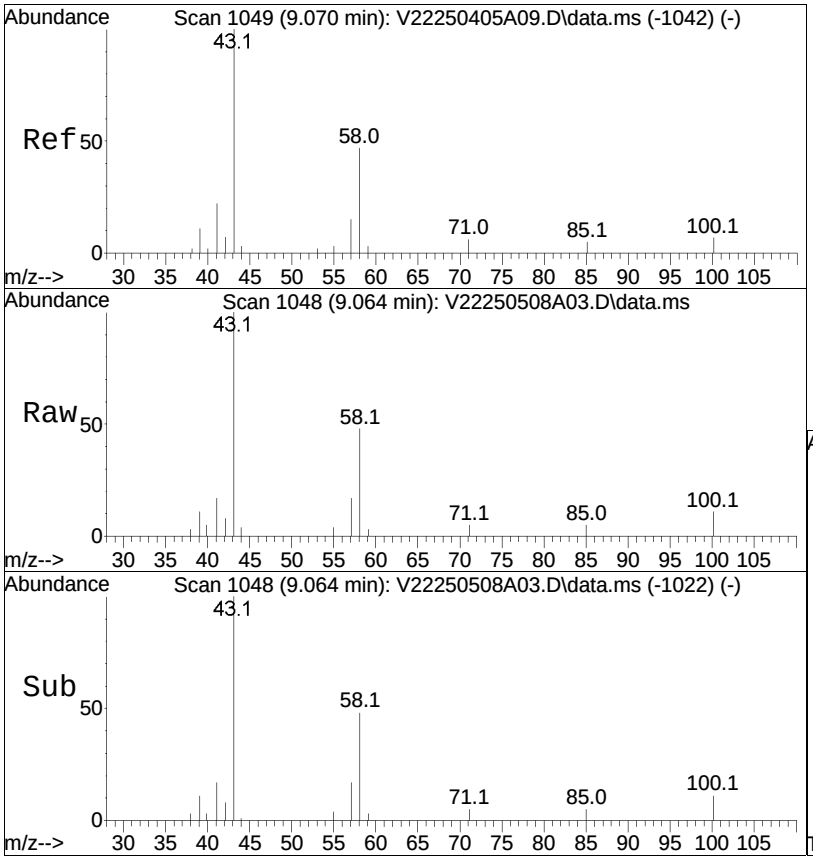


#74
1,2-Dibromoethane
Concen: 9.33 ug/L
RT: 8.771 min Scan# 1008
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:107 Resp: 34646

Ion	Ratio	Lower	Upper
107	100		
109	99.0	75.6	113.4

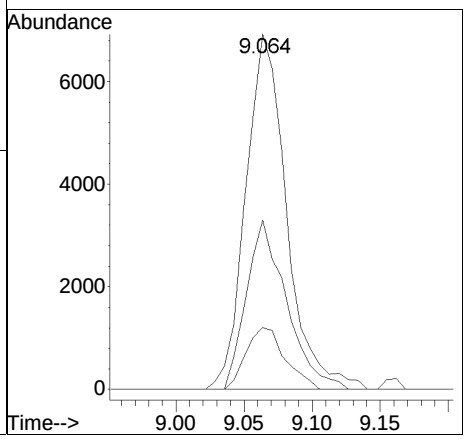


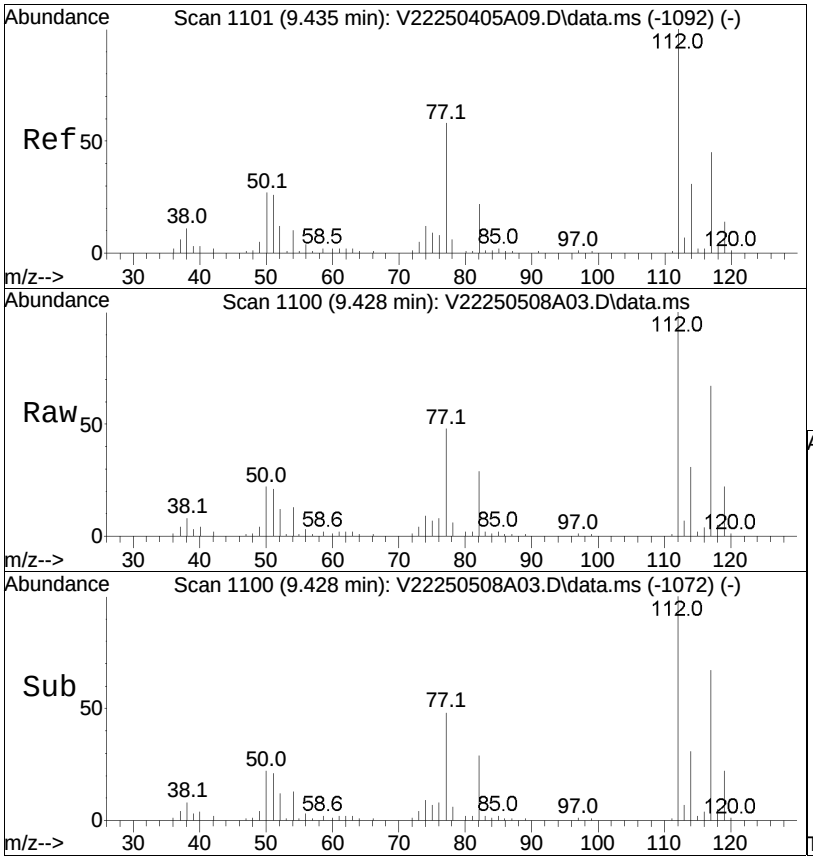


#76
2-Hexanone
Concen: 6.58 ug/L
RT: 9.064 min Scan# 1048
Delta R.T. -0.006 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 43 Resp: 14459

Ion	Ratio	Lower	Upper
43	100		
58	46.7	37.0	55.6
57	16.7	11.9	17.9

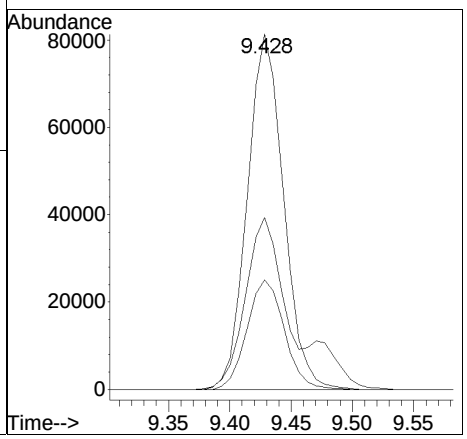


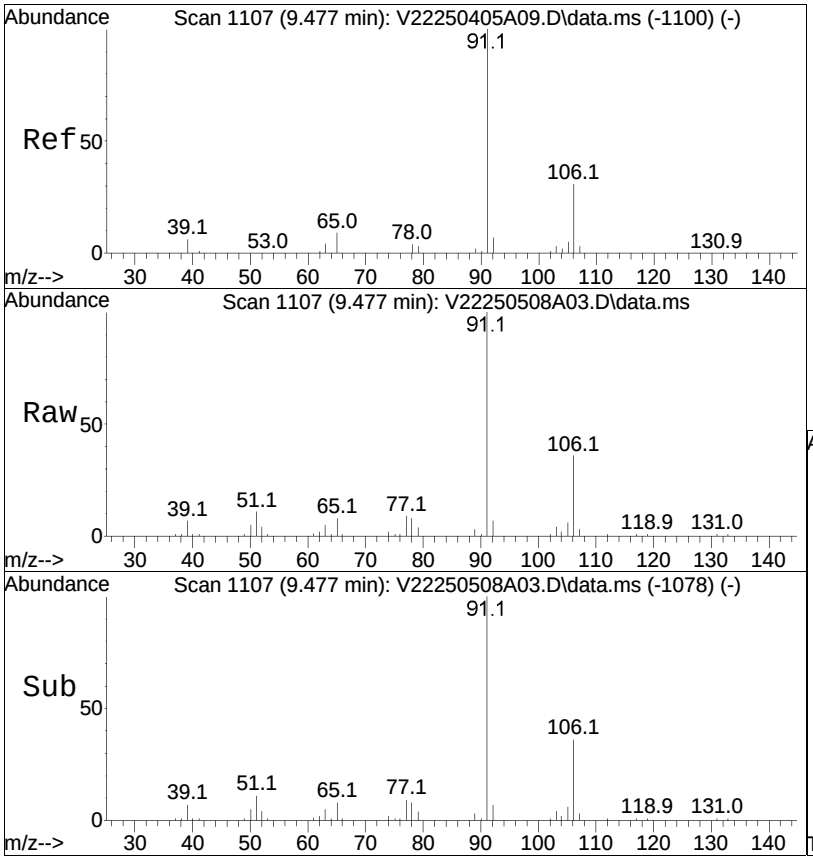


#77
Chlorobenzene
Concen: 9.96 ug/L
RT: 9.428 min Scan# 1100
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:112 Resp: 167167

Ion	Ratio	Lower	Upper
112	100		
77	52.2	49.4	74.0
114	31.7	25.4	38.2

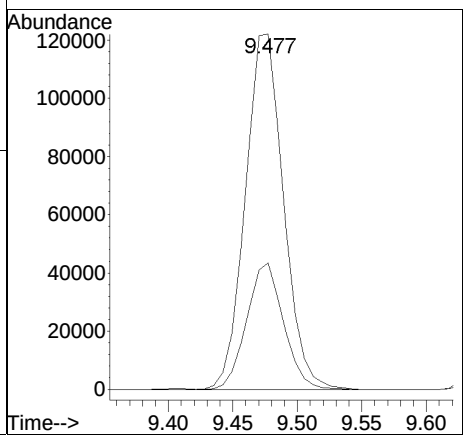


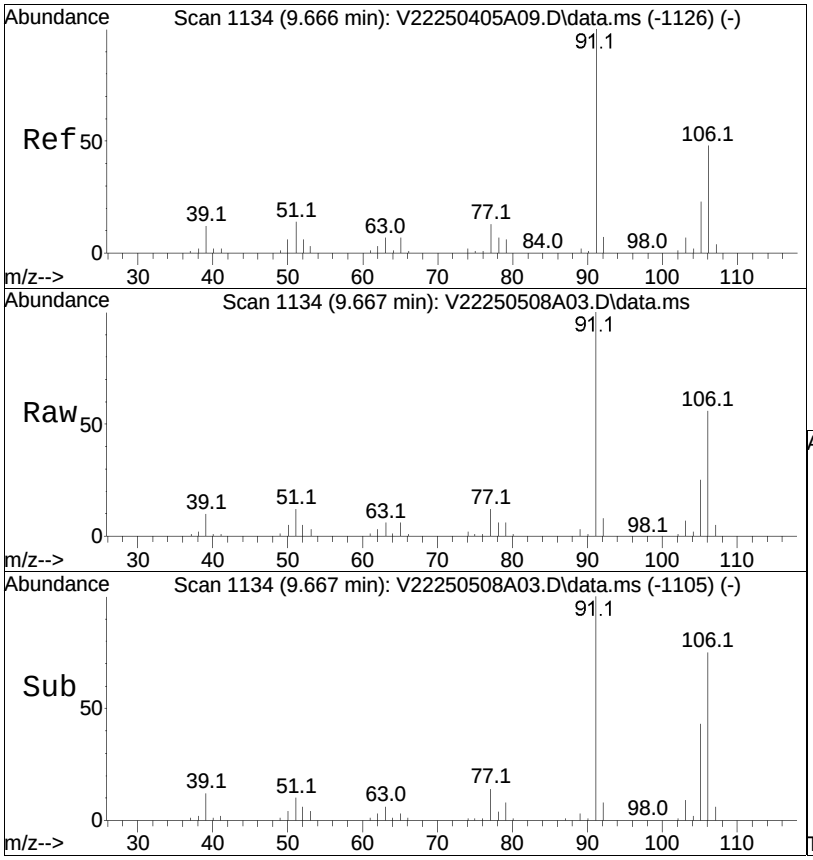


#78
Ethylbenzene
Concen: 8.72 ug/L
RT: 9.477 min Scan# 1107
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 91 Resp: 251563

Ion	Ratio	Lower	Upper
91	100		
106	34.2	24.7	37.1

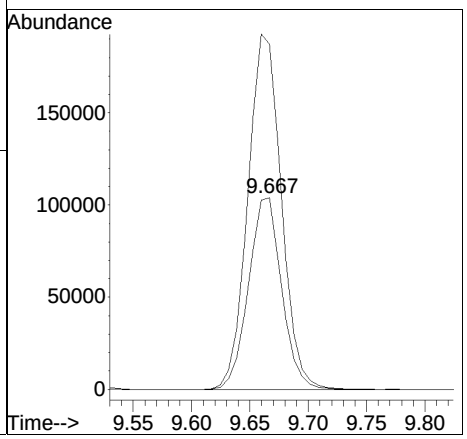


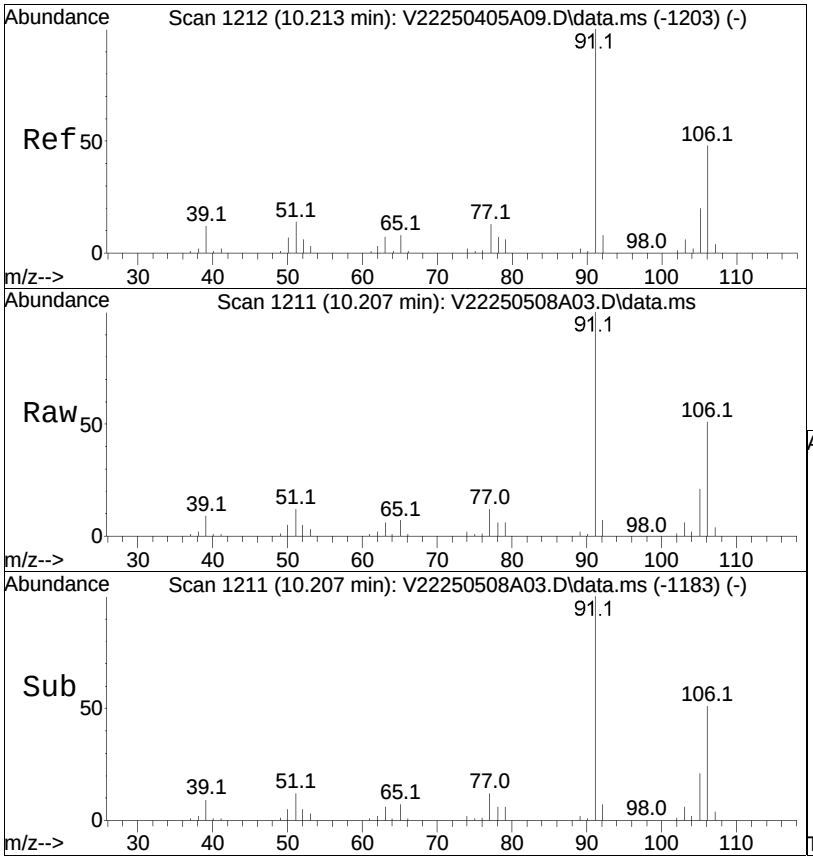


#80
p/m Xylene
Concen: 18.95 ug/L
RT: 9.667 min Scan# 1134
Delta R.T. 0.001 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:106 Resp: 205167

Ion	Ratio	Lower	Upper
106	100		
91	187.1	160.9	241.3

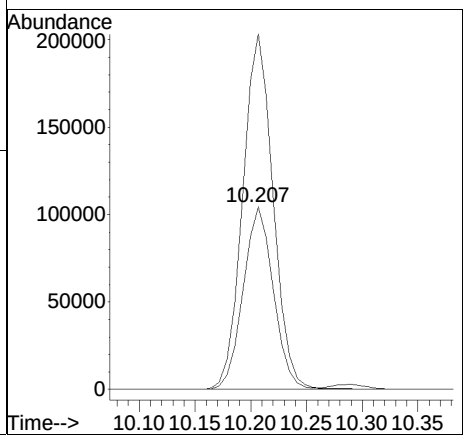


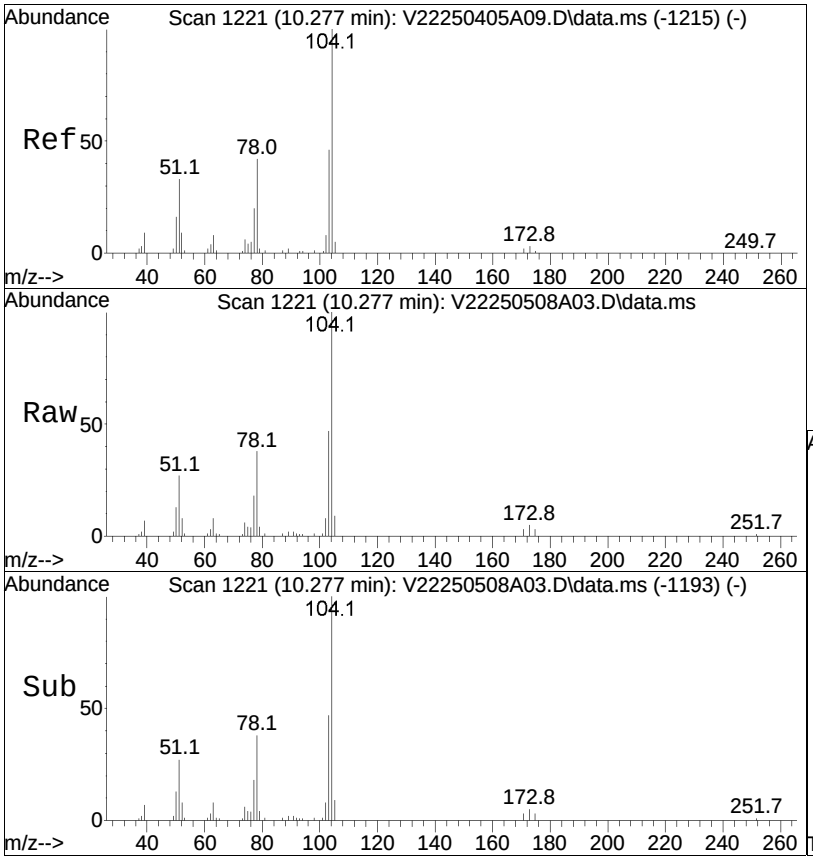


#81
o Xylene
Concen: 19.01 ug/L
RT: 10.207 min Scan# 1211
Delta R.T. -0.006 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:106 Resp: 197437

Ion	Ratio	Lower	Upper
106	100		
91	194.5	167.8	251.6

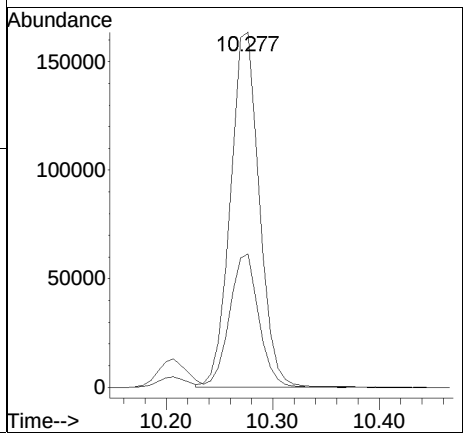


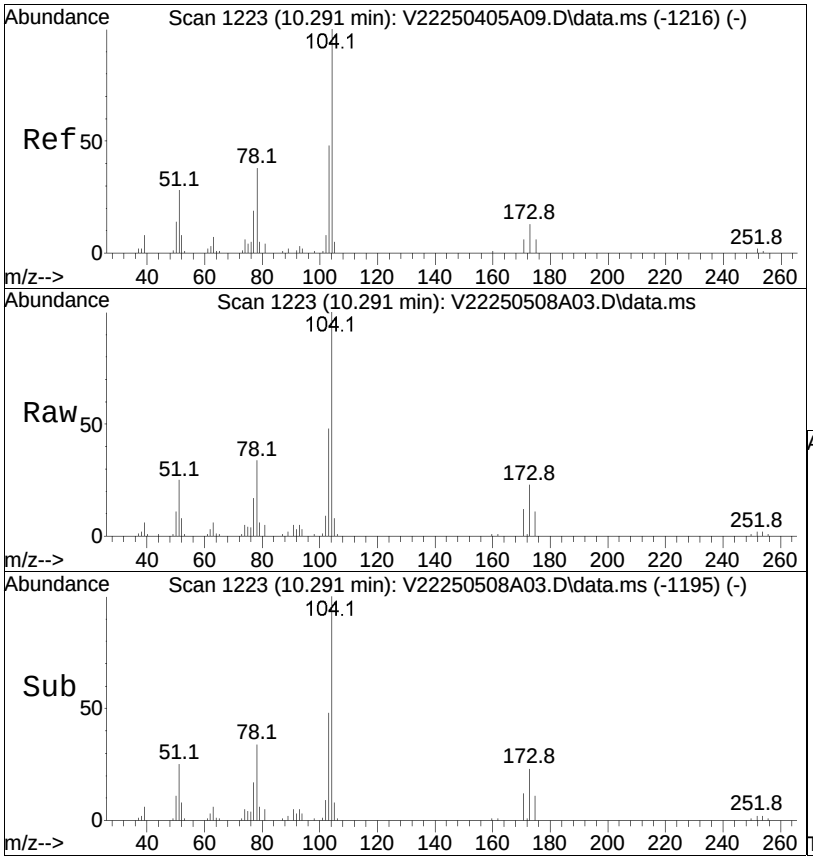


#82
Styrene
Concen: 17.45 ug/L
RT: 10.277 min Scan# 1221
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:104 Resp: 307925

Ion	Ratio	Lower	Upper
104	100		
78	38.1	33.4	50.0

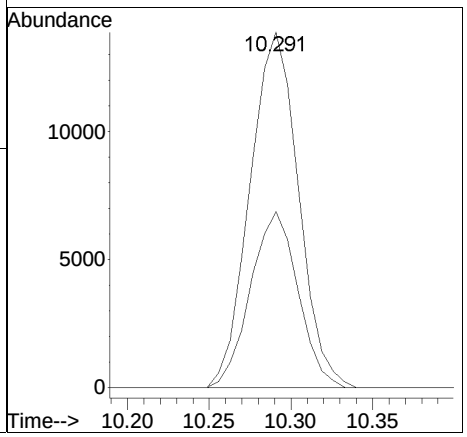


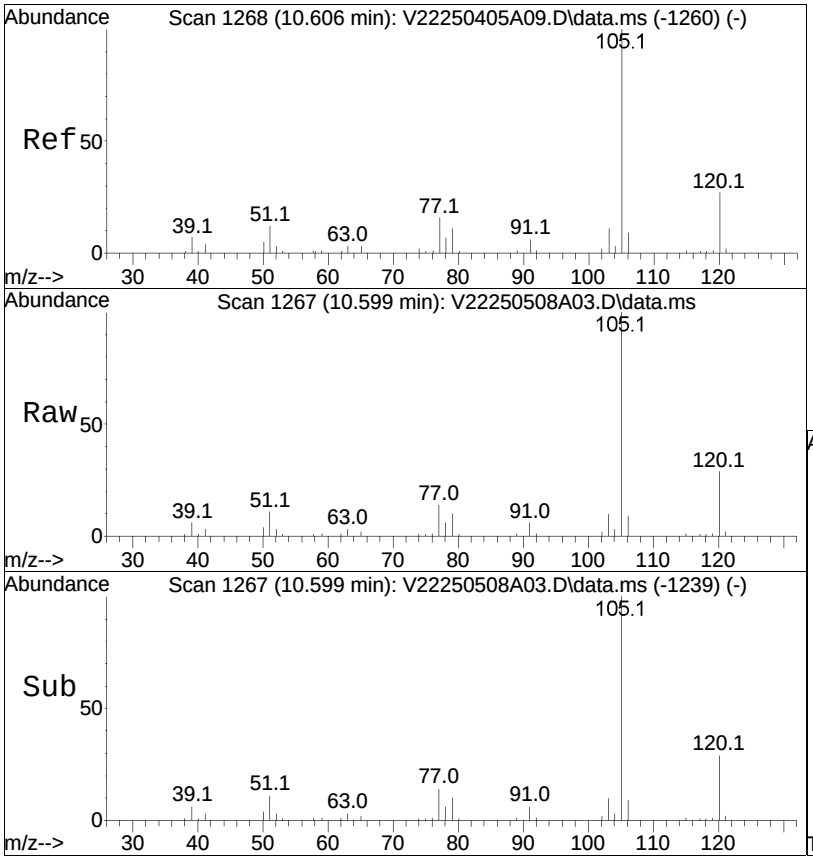


#84
Bromoform
Concen: 9.73 ug/L
RT: 10.291 min Scan# 1223
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:173 Resp: 28610

Ion	Ratio	Lower	Upper
173	100		
175	48.3	27.4	67.4

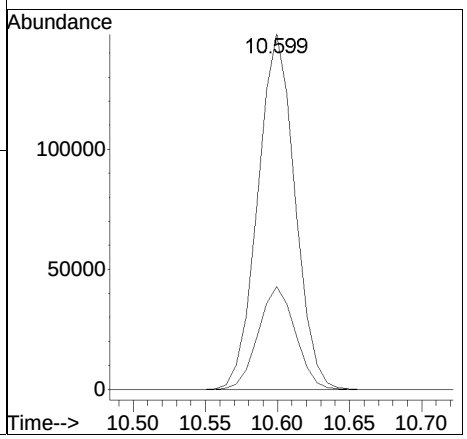


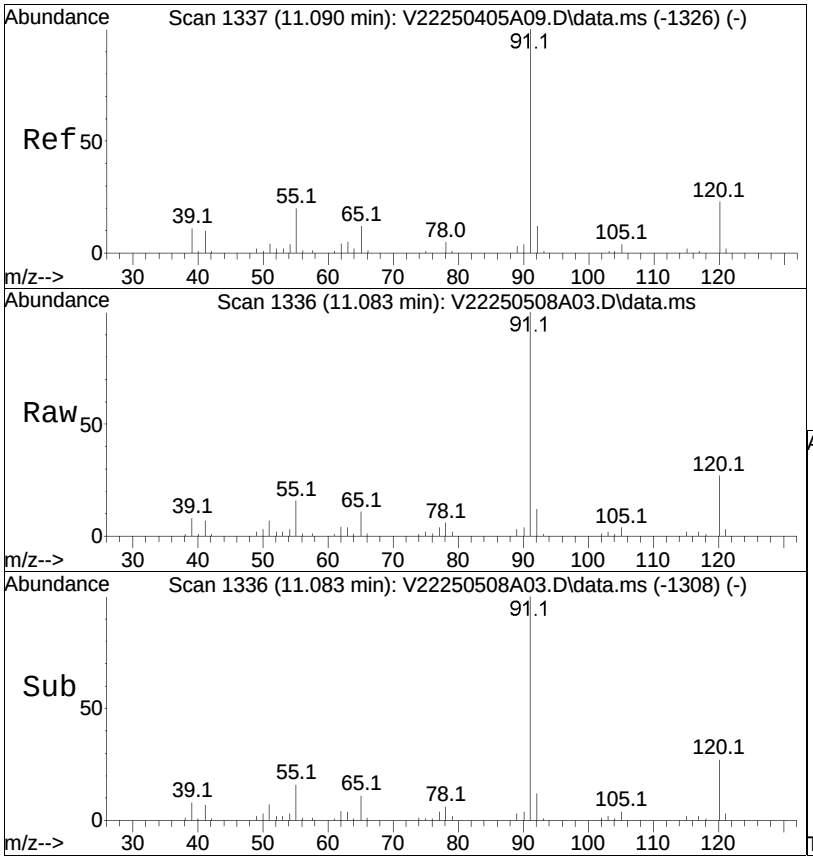


#86
Isopropylbenzene
Concen: 8.73 ug/L
RT: 10.599 min Scan# 1267
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:105 Resp: 264691

Ion	Ratio	Lower	Upper
105	100		
120	28.8	7.0	47.0

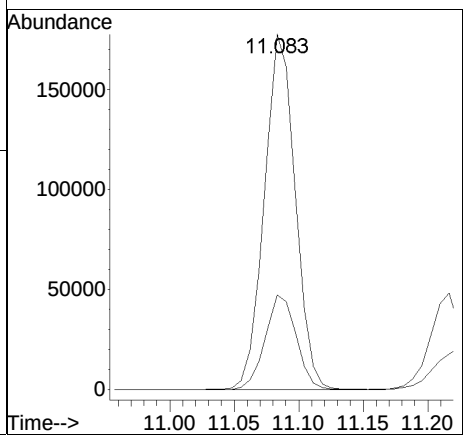


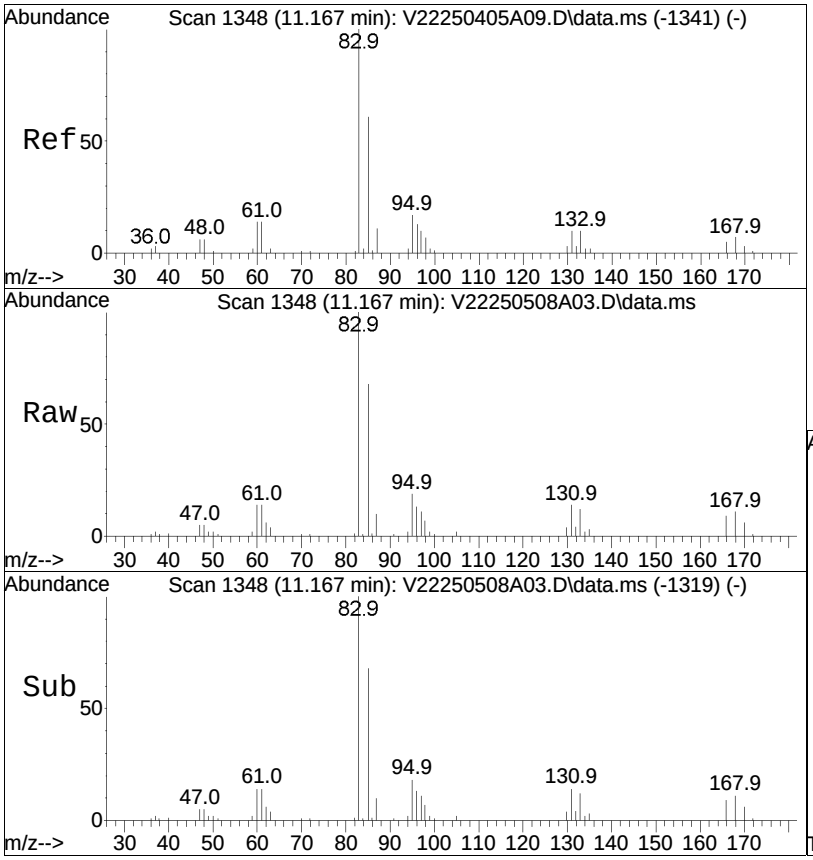


#89
n-Propylbenzene
Concen: 8.16 ug/L
RT: 11.083 min Scan# 1336
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 91 Resp: 295626

Ion	Ratio	Lower	Upper
91	100		
120	26.6	18.0	27.0

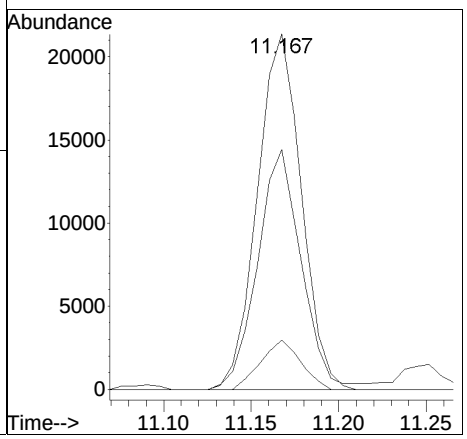


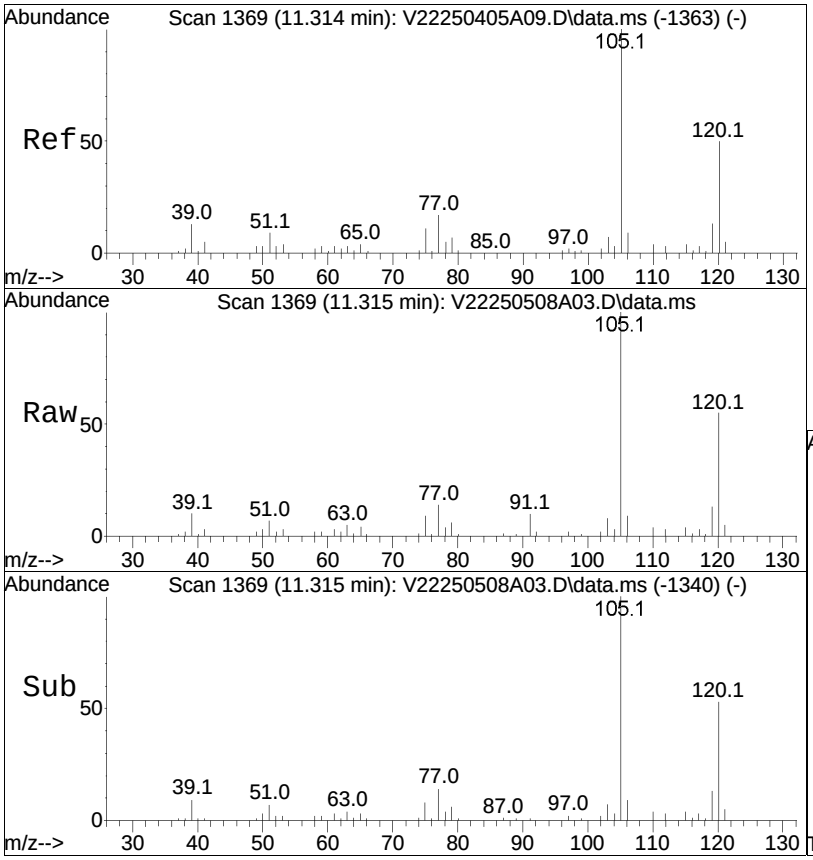


#91
1,1,2,2-Tetrachloroethane
Concen: 7.64 ug/L
RT: 11.167 min Scan# 1348
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 83 Resp: 37265

Ion	Ratio	Lower	Upper
83	100		
131	12.6	0.0	29.9
85	67.3	43.0	83.0

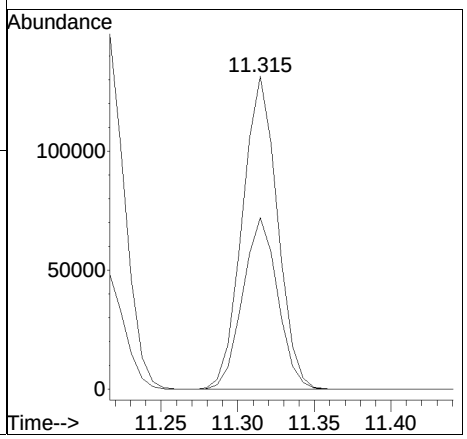


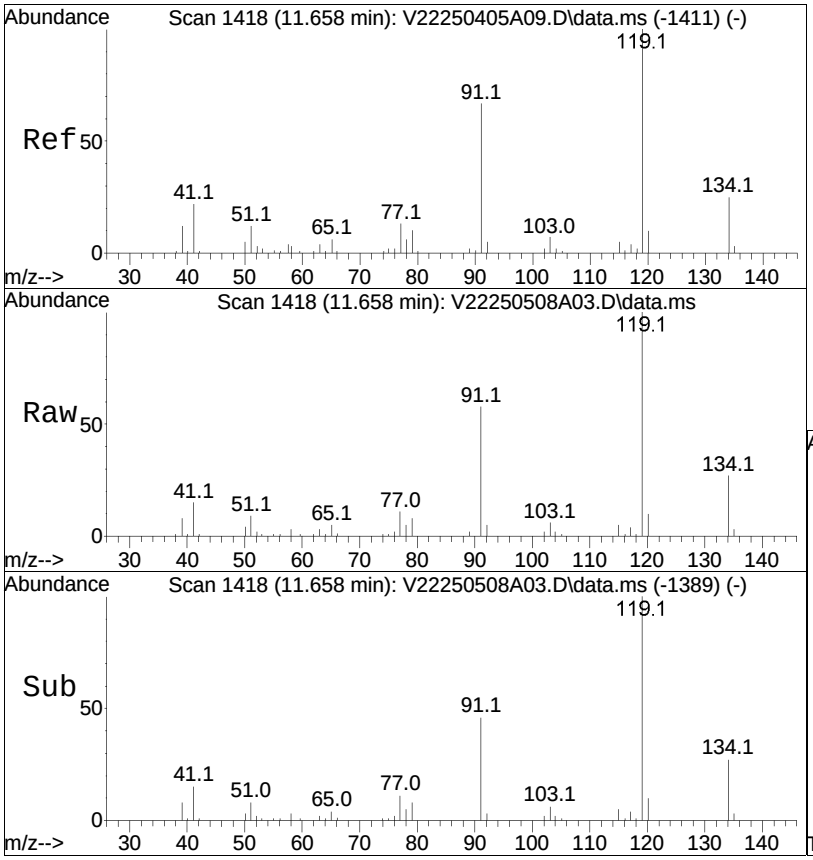


#94
1,3,5-Trimethylbenzene
Concen: 8.97 ug/L
RT: 11.315 min Scan# 1369
Delta R.T. 0.001 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:105 Resp: 209620

Ion	Ratio	Lower	Upper
105	100		
120	54.6	40.2	60.2

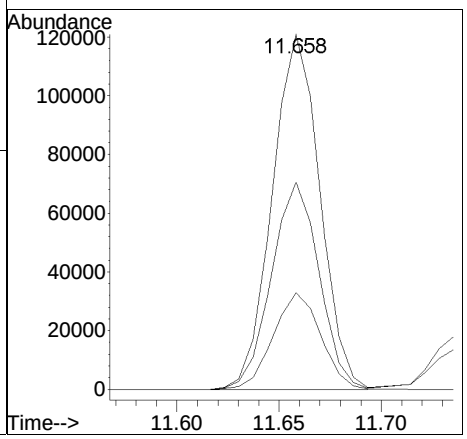


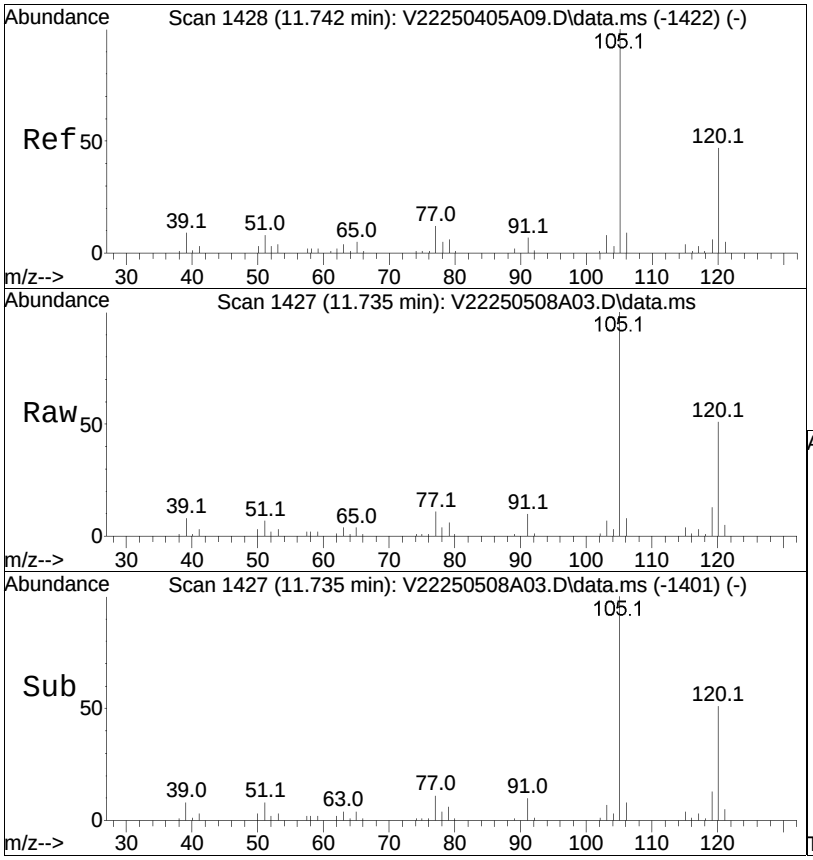


#98
tert-Butylbenzene
Concen: 8.14 ug/L
RT: 11.658 min Scan# 1418
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:119 Resp: 195716

Ion	Ratio	Lower	Upper
119	100		
91	58.4	52.6	79.0
134	31.0	20.2	30.4#

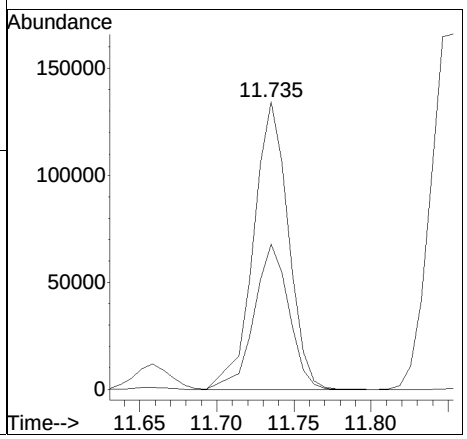


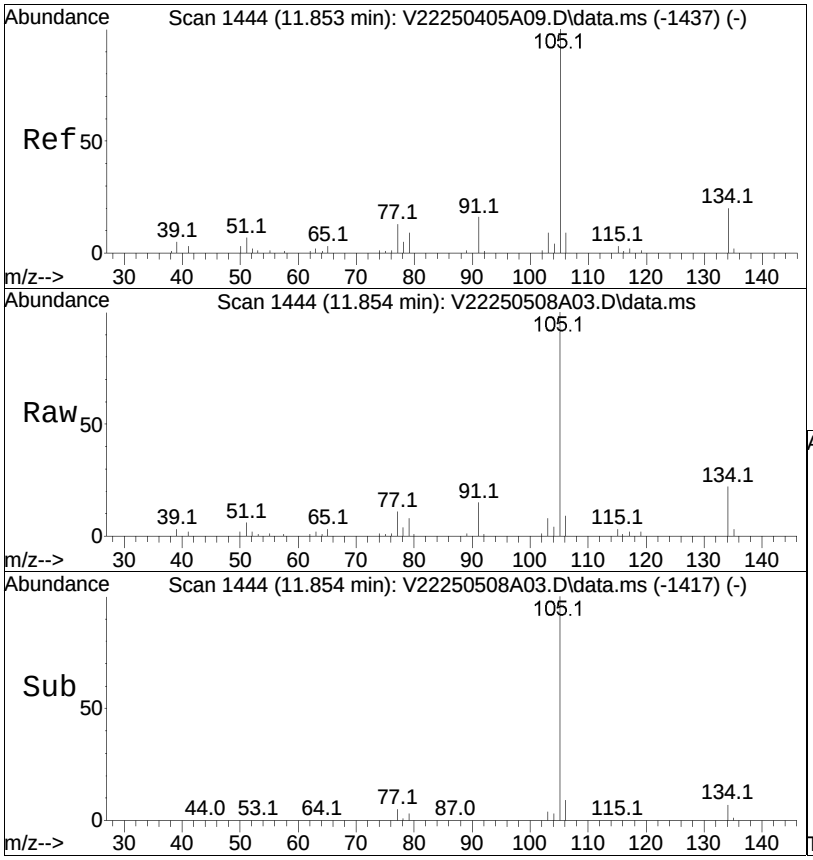


#101
1,2,4-Trimethylbenzene
Concen: 9.05 ug/L
RT: 11.735 min Scan# 1427
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:105 Resp: 234371

Ion	Ratio	Lower	Upper
105	100		
120	52.1	38.6	58.0

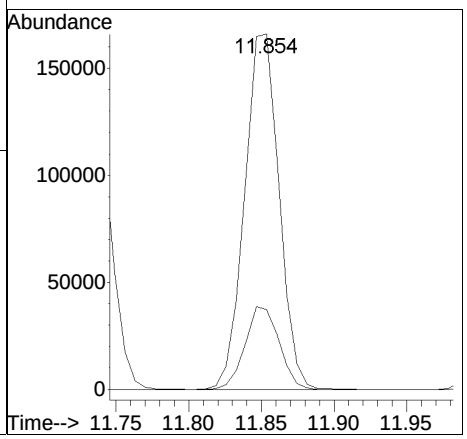


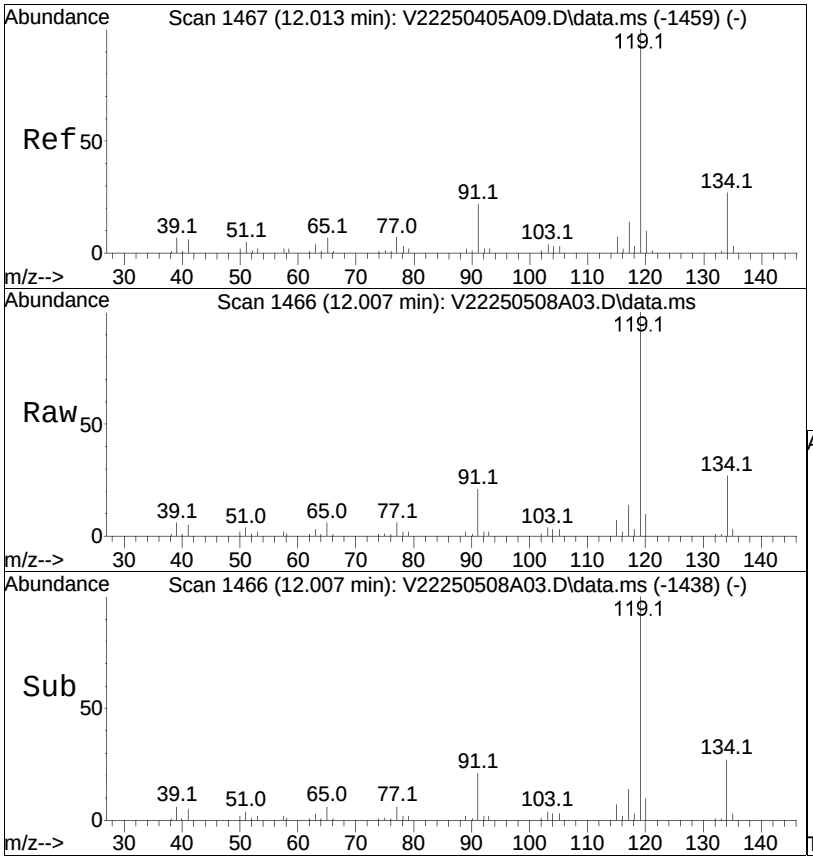


#102
sec-Butylbenzene
Concen: 8.85 ug/L
RT: 11.854 min Scan# 1444
Delta R.T. 0.001 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:105 Resp: 274323

Ion	Ratio	Lower	Upper
105	100		
134	23.0	13.3	27.5

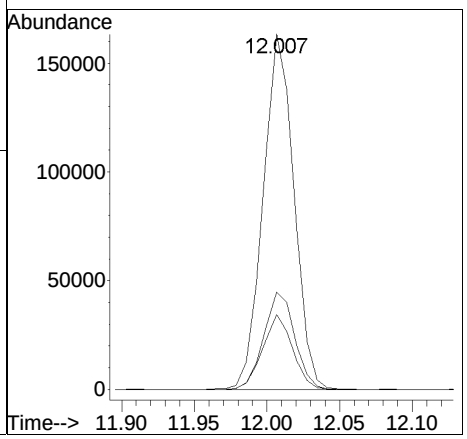


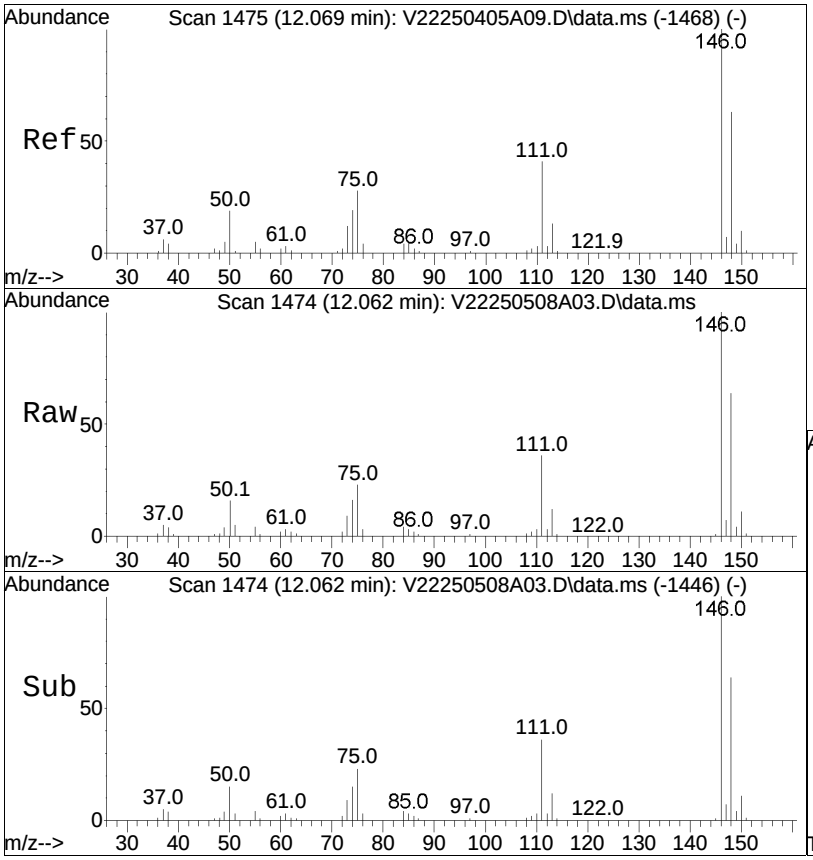


#103
p-Isopropyltoluene
Concen: 8.84 ug/L
RT: 12.007 min Scan# 1466
Delta R.T. -0.006 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:119 Resp: 240870

Ion	Ratio	Lower	Upper
119	100		
134	27.5	17.2	35.8
91	20.4	14.8	30.6

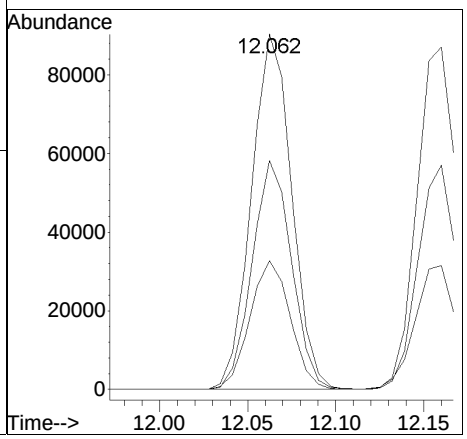


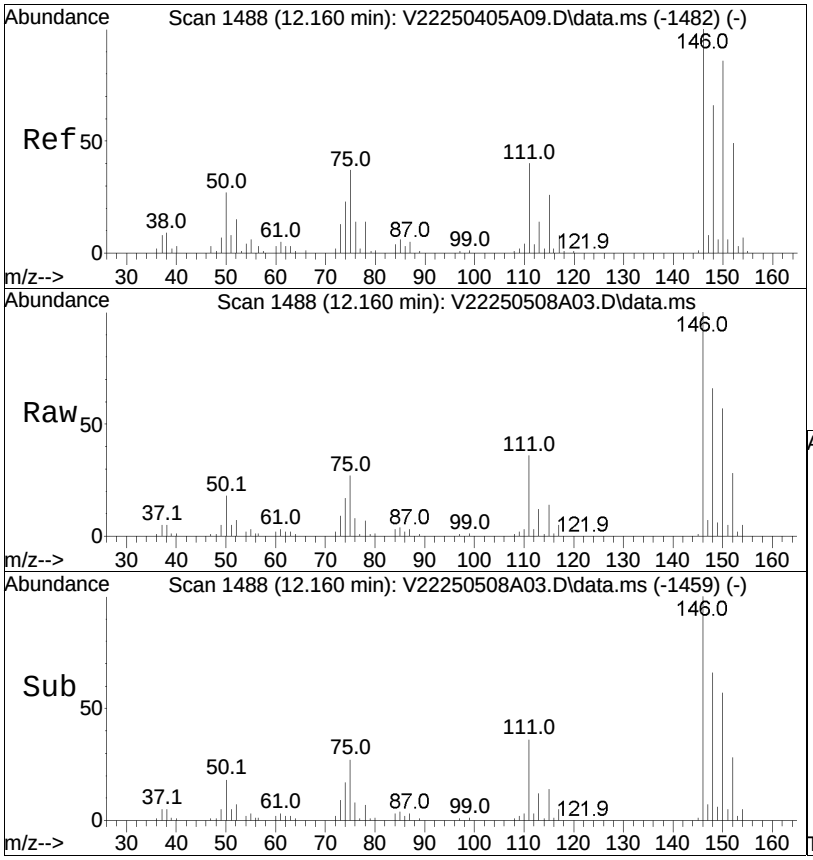


#104
1,3-Dichlorobenzene
Concen: 10.42 ug/L
RT: 12.062 min Scan# 1474
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:146 Resp: 143653

Ion	Ratio	Lower	Upper
146	100		
111	36.3	27.0	56.0
148	63.1	40.9	84.9

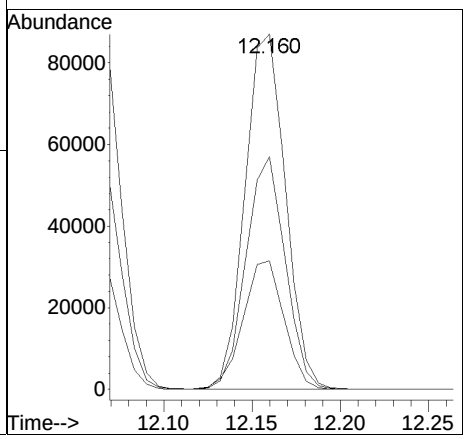


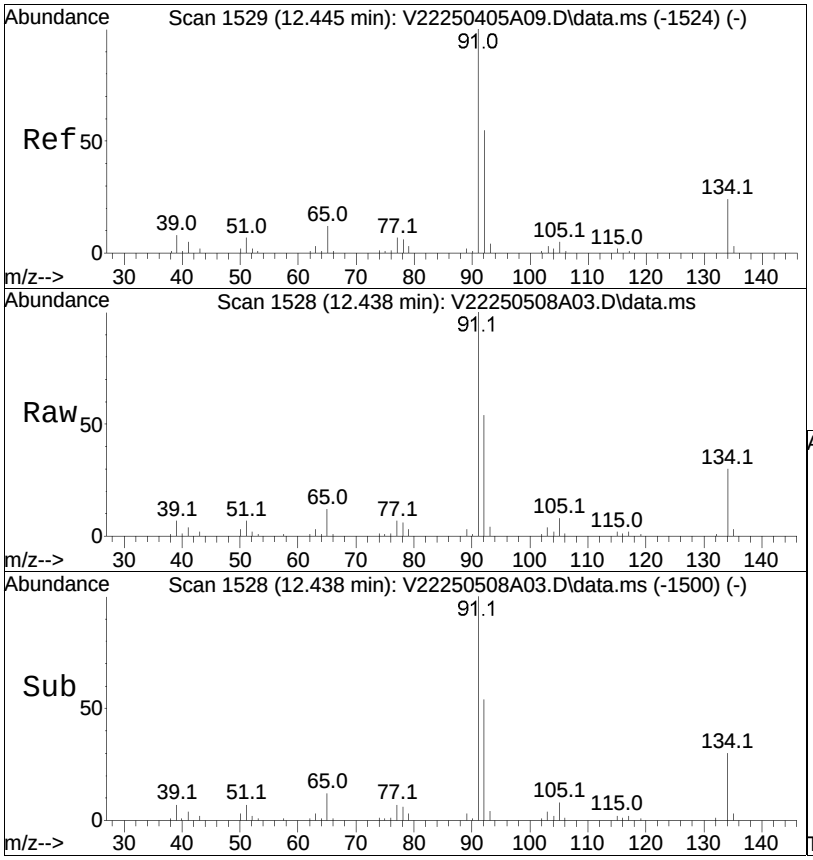


#105
1,4-Dichlorobenzene
Concen: 10.15 ug/L
RT: 12.160 min Scan# 1488
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:146 Resp: 139376

Ion	Ratio	Lower	Upper
146	100		
111	36.8	32.4	48.6
148	63.5	51.5	77.3

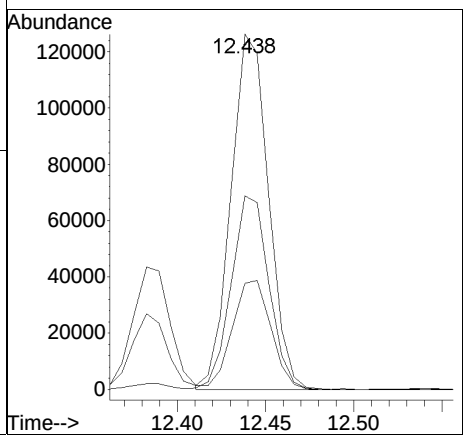


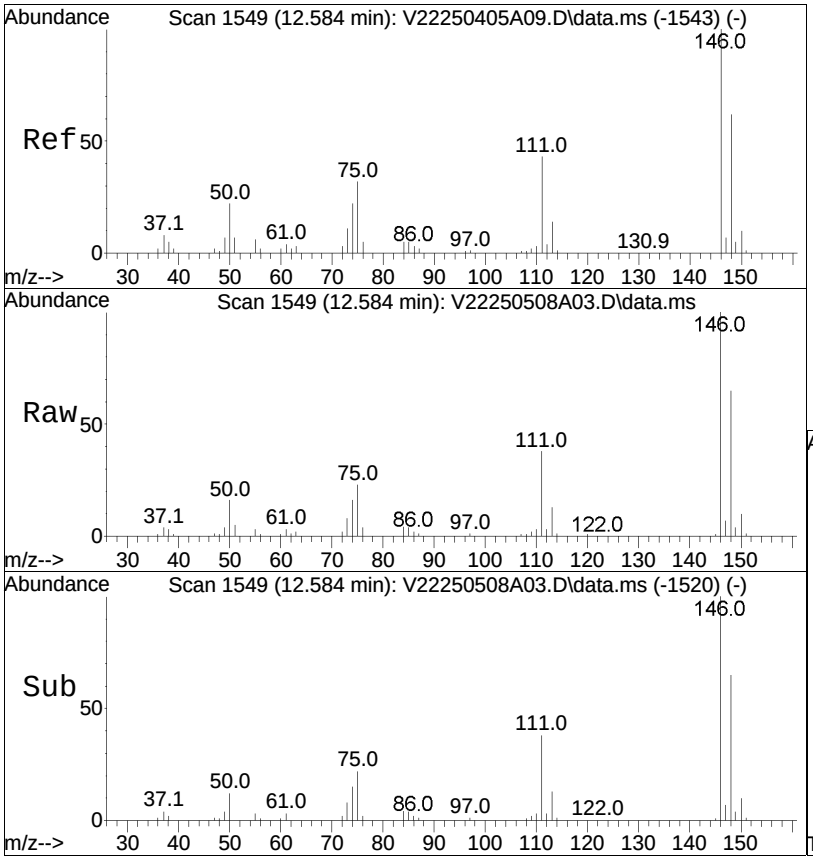


#107
n-Butylbenzene
Concen: 8.37 ug/L
RT: 12.438 min Scan# 1528
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion: 91 Resp: 186526

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.2	64.8
134	31.4	20.7	31.1#

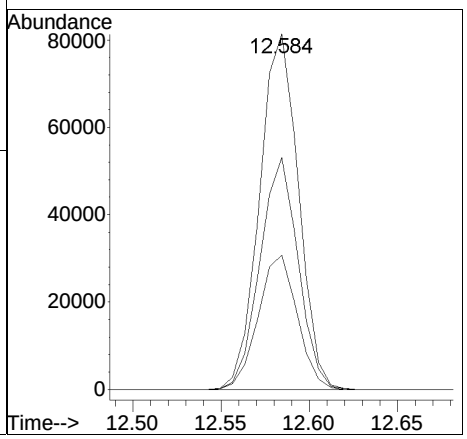


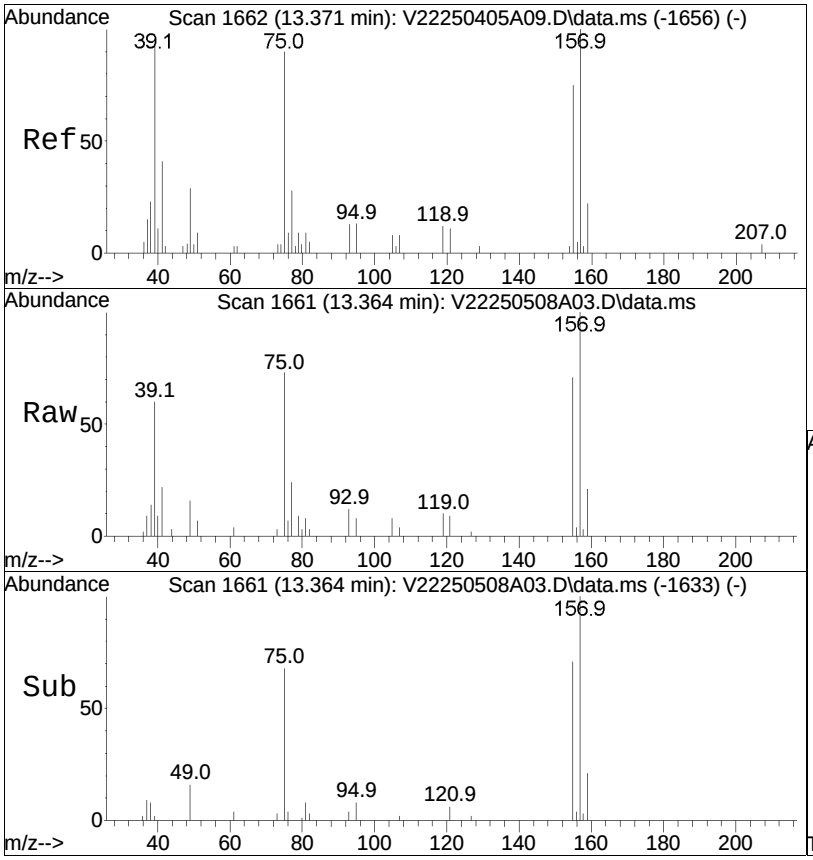


#108
1,2-Dichlorobenzene
Concen: 10.27 ug/L
RT: 12.584 min Scan# 1549
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:146 Resp: 124866

Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.4	56.8
148	64.0	40.8	84.8

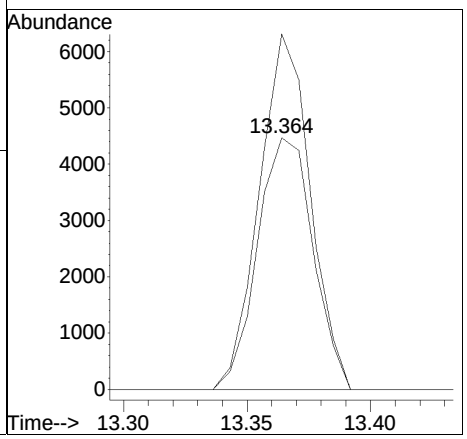


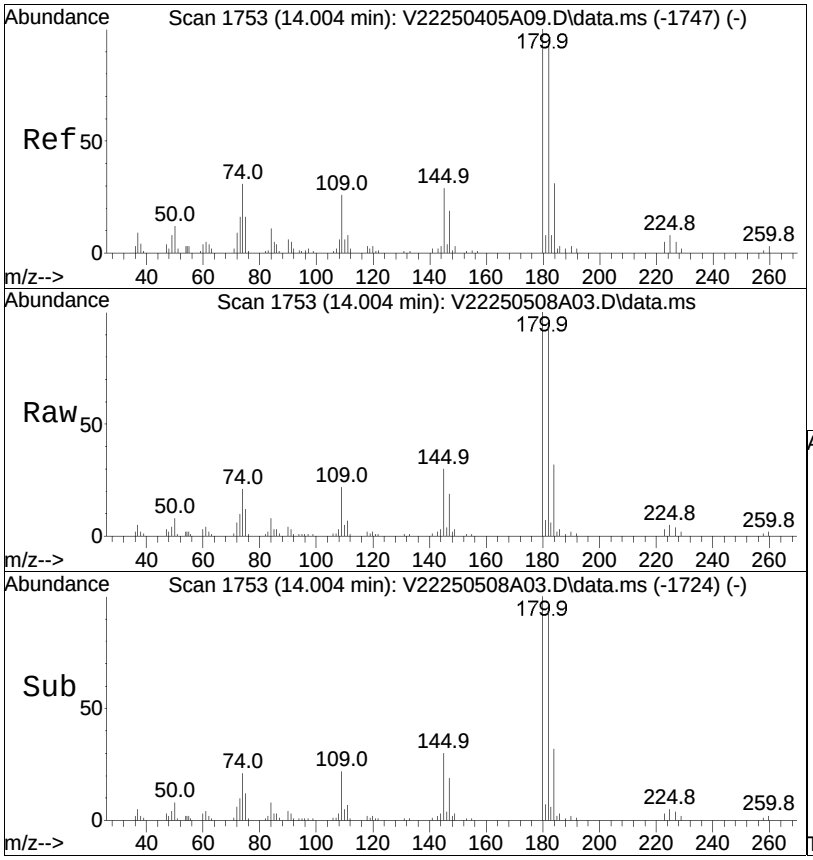


#110
1,2-Dibromo-3-chloropropane
Concen: 9.73 ug/L
RT: 13.364 min Scan# 1661
Delta R.T. -0.007 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:155 Resp: 6994

Ion	Ratio	Lower	Upper
155	100		
157	129.8	104.1	156.1

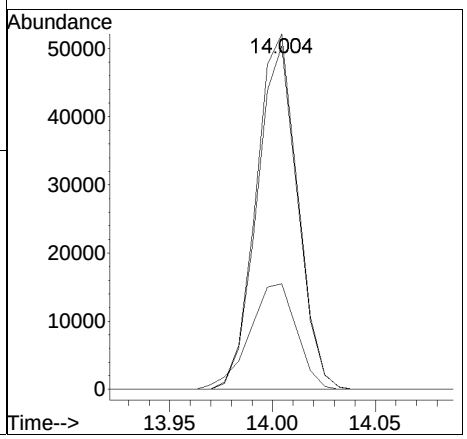


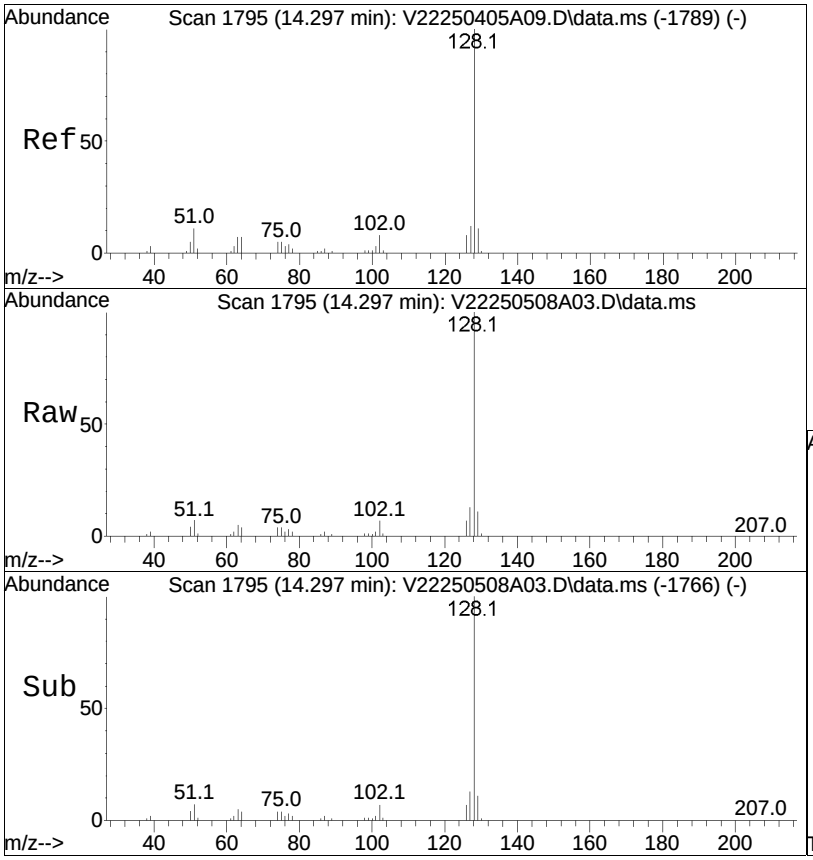


#113
1,2,4-Trichlorobenzene
Concen: 10.46 ug/L
RT: 14.004 min Scan# 1753
Delta R.T. 0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:180 Resp: 73405

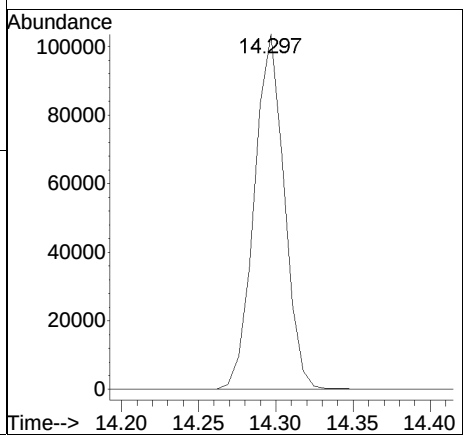
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	33.6	27.4	41.2





#114
Naphthalene
Concen: 9.58 ug/L
RT: 14.297 min Scan# 1795
Delta R.T. -0.000 min
Lab File: V22250508A03.D
Acq: 08 May 2025 08:32 am

Tgt Ion:128 Resp: 139749



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

May 12 2025, 01:42 pm

Work Group: WG2064186 for Department: 31 GC/MS - Volatiles

Created: 08-MAY-25 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2525373-02	TW01S	S	NYTCL-8260	WATER	SEC	U	0508	0508	S0	Vial-B
L2525831-01	BCP MW-6	S	NYTCL-8260-R2	WATER	DONE	U	0509	0506	S0	Vial-B
L2527642-01	PILOT-J(B)-H2O	S	NYTCL-8260	WATER	DONE	U	0519	0508	1C	Vial-B
WG2064186-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2064186-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2064186-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2064186-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2064186-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2064186-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2064186-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2064186-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2064186-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2064186-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2064186-4 WG2064186-3

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

May 12 2025, 01:42 pm

Work Group: WG2065078 for Department: 31 GC/MS - Volatiles

Created: 11-MAY-25 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2525831-02	BCP MW-1	S	NYTCL-8260-R2	WATER	DONE	U	0509	0506	S0	Vial-B
L2525831-03	DUP	S	NYTCL-8260-R2	WATER	DONE	U	0509	0506	S0	Vial-B
L2525831-04	BCP MW-7	S	NYTCL-8260-R2	WATER	DONE	U	0509	0506	S0	Vial-B
L2525831-05	BCP MW-5	S	NYTCL-8260-R2	WATER	DONE	U	0509	0506	S0	Vial-B
L2525831-06	BCP MW-3	S	NYTCL-8260-R2	WATER	DONE	U	0509	0506	S0	Vial-B
L2525831-07	BCP MW-4	S	NYTCL-8260-R2	WATER	DONE	U	0509	0506	S0	Vial-B
WG2065078-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG2065078-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG2065078-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG2065078-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG2065078-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				

Comments:

WG2065078-4 WG2065078-3

Inst: VOA122 BFB: V11109 Method GC: 8260
Initials: PID IS/SS: V11096 Autosampler: 8260water
Date: **04/05/25** ICAL: V11097C,V11101 Concentrator: 8260 v122
Run **A** ICV: V11006,V11088,V11007,V11098,V11107,V11090 QC:_____ Seq:_____

Vial	Data File	Sample	
1	V22250405ABF1	BFB TUNE 15:07	
1	V22250405A01	BLK	
2	V22250405A02	BLK	
3	V22250405A03	I8260STD0.19PPB	
4	V22250405A04	I8260STD0.19PPB	
5	V22250405A05	I8260STD0.5PPB	
6	V22250405A06	I8260STD0.5PPB	
7	V22250405A07	I8260STD2PPB	
8	V22250405A08	I8260STD2PPB	
9	V22250405A09	I8260STD10PPB	
10	V22250405A10	I8260STD30PPB	
11	V22250405A11	I8260STD80PPB	
12	V22250405A12	I8260STD120PPB	
13	V22250405A13	I8260STD200PPB	
14	V22250405A14	BLK	
15	V22250405A15	BLK	
16	V22250405A16	BLK	
17	V22250405A17	BLK	
18	V22250405A18	C8260STD10PPB	
19	V22250405A19	C8260STD10PPB	
20	V22250405A20	BLK	
21	V22250405A21	METHOD BLK	
22	V22250405A22	MDL 0.19PPB	
23	V22250405A23	MDL 0.19PPB	
24	V22250405A24	MDL 0.5PPB	
25	V22250405A25	MDL 0.5PPB	
26	V22250405A26	MDL 2PPB	
27	V22250405A27	MDL 2PPB	
28	V22250405A28	BLK	
1	V22250406ABF1	BFB TUNE 11:00	
1	V22250406A01	BLK	
2	V22250406A02	I8260STD0.19PPB	
3	V22250406A03	I8260STD0.19PPB	
4	V22250406A04	C8260STD10PPB	
5	V22250406A05	C8260STD10PPB	
6	V22250406A06	BLK	
7	V22250406A07	METHOD BLK	
8	V22250406A08	MDL 0.19PPB	

Method

Inst: VOA122 BFB: V11109 GC: 8260

Initials: PID IS/SS: V11096 Autosampler: 8260water

Date: **04/05/25** ICAL: V11097C,V11101 Concentrator: 8260 v122

Run **A** ICV: V11006,V11088,V11007,V11098,V11107,V11090 QC:_____ Seq:_____

Vial	Data File	Sample	
9	V22250406A09	MDL 0.19PPB	
10	V22250406A10	MDL 0.5PPB	
11	V22250406A11	MDL 0.5PPB	
12	V22250406A12	MDL 2PPB	
13	V22250406A13	MDL 2PPB	
14	V22250406A14	BLK	

Method

Inst: VOA101 BFB: V11109 GC: 8260

Initials: TMS IS/SS: V11160 Autosampler: 8260water

Date: **05/03/25** ICAL: V11158B,V11155 Concentrator: 8260water

Run: **B** ICV: V11117,V11143,V11116,V11157,V11156,V11144 QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	
1	V01250503BBF1	BFB TUNE	
1	V01250503B01	BLK	
2	V01250503B02	BLK	
3	V01250503B03	I8260STD0.19PPB	
4	V01250503B04	I8260STD0.19PPB	
5	V01250503B05	I8260STD0.5PPB	
6	V01250503B06	I8260STD0.5PPB	
7	V01250503B07	I8260STD2PPB	
8	V01250503B08	I8260STD2PPB	
9	V01250503B09	I8260STD10PPB	
10	V01250503B10	I8260STD30PPB	
11	V01250503B11	I8260STD80PPB	
12	V01250503B12	I8260STD120PPB	
13	V01250503B13	I8260STD200PPB	
14	V01250503B14	BLK	
15	V01250503B15	BLK	
16	V01250503B16	BLK	
17	V01250503B17	BLK	
18	V01250503B18	C8260STD10PPB	
19	V01250503B19	C8260STD10PPB	
20	V01250503B20	BLK	
21	V01250503B21	METHOD BLK	
22	V01250503B22	MDL 0.19PPB	
23	V01250503B23	MDL 0.19PPB	
24	V01250503B24	MDL 0.5PPB	
25	V01250503B25	MDL 0.5PPB	
26	V01250503B26	MDL 2PPB	
27	V01250503B27	MDL 2PPB	
28	V01250503B28	BLK	

Method

Inst: VOA101 BFB: V11162 GC: 8260

Initials: MJV IS/SS: V11160 Autosampler: 8260water

Date: **05/08/25** ICAL: V11158B,V11167 Concentrator: 8260water

Run: **A** ICV: QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE			
1	V01250508ABF1	BFB TUNE 07:13			
1	V01250508A01	8260 CCAL LCS			
2	V01250508A02	8260 CCAL LCSD			
3	V01250508A03	8260 CCAL			
4	V01250508A04	BLNK			
5	V01250508A05	METHOD BLANK			
6	V01250508A06	L2525980-08,31,10,10,,A	8260NH	TB	pH<2
7	V01250508A07	L2525753-01,31,10,10,,A	8260,14DIOX/10		pH<2
8	V01250508A08	L2525753-02,31,10,10,,A	8260,14DIOX/10		pH<2
9	V01250508A09	L2525753-03,31,10,10,,A	8260,14DIOX/10		pH<2
10	V01250508A10	L2525753-04,31,10,10,,A	8260,14DIOX/10		pH<2
11	V01250508A11	L2527642-01D,31,0.1,10,,A,R1C	NYTCL	OILY	pH<2
12	V01250508A12	L2527642-01D2,31,0.02,10,,A,R1C	NYTCL	OILY	pH<2
13	V01250508A13	D6			
14	V01250508A14	L2525753-05,31,10,10,,A	8260,14DIOX/10		pH<2
15	V01250508A15	L2525753-06,31,10,10,,A	8260,14DIOX/10		pH<2
16	V01250508A16	L2525373-02,31,10,10,,C	NY/R2		pH<2
17	V01250508A17	L2525831-01,31,10,10,,A	NY/R2		pH<2
18	V01250508A18	L2525980-01,31,10,10,,A	8260NH		pH<2
19	V01250508A19	L2525980-02,31,10,10,,A	8260NH		pH<2
20	V01250508A20	L2525980-03,31,10,10,,A	8260NH		pH<2
21	V01250508A21	L2525980-06,31,10,10,,A	8260NH		pH<2
22	V01250508A22	L2525980-07,31,10,10,,A	8260NH		pH<2
23	V01250508A23	L2525980-04D,31,2.0,10,,A	8260NH		pH<2
24	V01250508A24	L2525980-05D,31,2.5,10,,A	8260NH		pH<2
25	V01250508A25	L2525493-01D2,31,0.000010,10,,C	8260TOL	HS	pH<2
26	V01250508A26	L2525980-04DUP,31,2.0,10,,A			pH<2
27	V01250508A27	L2525980-04MS,31,2.0,10,,A			pH<2
28	V01250508A28	HBM			
29	V01250508A29	BLNK			
30	V01250508A30	BLNK			

Inst: VOA122 BFB: V11162 Method GC: 8260
Initials: JKH IS/SS: V11160 Autosampler: 8260water
Date: **05/08/25** ICAL: V11158A,V11155 Concentrator: 8260 v122
Run **A** QC:_____ Seq:_____

Vial	Data File	Sample			
1	V22250508ABF1	BFB TUNE 07:11			
1	V22250508A01	8260 CCAL			
2	V22250508A02	8260 CCAL LCS			
3	V22250508A03	8260 CCAL LCSD			
4	V22250508A04	BLK			
5	V22250508A05	METHOD BLK			
6	V22250508A06	L2525989-01,31,10,10,,A	8260NH		pH<2
7	V22250508A07	L2525989-02,31,10,10,,A	8260NH		pH<2
8	V22250508A08	L2525989-03,31,10,10,,A	8260NH		pH<2
9	V22250508A09	L2525989-04,31,10,10,,A	8260NH		pH<2
10	V22250508A10	L2525989-05,31,10,10,,A	8260NH		pH<2
11	V22250508A11	L2526496-03,31,10,10,,A	NJ/BENZ/15		pH<2
12	V22250508A12	L2525744-03MSD,31,10,10,,C2	NJ/124TMB/15		pH<2
13	V22250508A13	L2525831-02,31,10,10,,A	NYTCL		pH<2
14	V22250508A14	L2525831-03,31,10,10,,A	NYTCL		pH<2
15	V22250508A15	L2525831-04,31,10,10,,A	NYTCL		pH<2
16	V22250508A16	I2525831-05D,31,1.0,10,,a	NYTCL		pH<2
17	V22250508A17	I2525831-06D,31,2.0,10,,a	NYTCL		pH<2
18	V22250508A18	I2525831-07D,31,5.0,10,,a	NYTCL		pH<2
19	V22250508A19	L2525981-13,31,10,10,,A	8260NH		pH<2
20	V22250508A20	I2525981-14D,31,2.0,10,,a	8260NH	FOAM	pH<2
21	V22250508A21	I2525981-15D,31,0.5,10,,a	8260NH	FOAM	pH<2
22	V22250508A22	L2525978-01,31,10,10,,C	8260NH		pH<2
23	V22250508A23	L2525978-02,31,10,10,,A	8260NH		pH<2
24	V22250508A24	L2525978-03,31,10,10,,A	8260NH		pH<2
25	V22250508A25	L2525978-04D,31,2.0,10,,A	8260NH		pH<2
26	V22250508A26	HBM			
27	V22250508A27	BLNK			
28	V22250508A28	BLNK			

APPENDIX B

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

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

Site Details **Box 1**

Site No. C915260

Site Name Former Mobil Service Station 99-MST

Site Address: 979 Main Street Zip Code: 14203
City/Town: Buffalo
County: Erie
Site Acreage: 1.725

Reporting Period: March 24, 2024 to March 24, 2025

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C915260 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
100.79-1-1.1/1	Seavest Core Buffalo Conventus, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Landuse Restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.
4. Groundwater Monitoring Plan.

100.79-1-1.1/2	Seavest Core Buffalo Conventus, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Landuse Restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.
4. Groundwater Monitoring Plan.

100.79-1-1.1/3	Fort Schuyler Management Corp.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Landuse Restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.
4. Groundwater Monitoring Plan.

Portion of 100.79-1-2.11	Kaleida Health	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Landuse Restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.
4. Groundwater Monitoring Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
100.79-1-1.1/1	Groundwater Treatment System

Groundwater will be treated in-situ by injections of oxygen release compounds (ORC) to degrade petroleum hydrocarbons to harmless compounds.

100.79-1-1.1/2	Groundwater Treatment System

Groundwater will be treated in-situ by injections of oxygen release compounds (ORC) to degrade petroleum hydrocarbons to harmless compounds.

Parcel	Engineering Control
100.79-1-1.1/3	Groundwater Treatment System Groundwater will be treated in-situ by injections of oxygen release compounds (ORC) to degrade petroleum hydrocarbons to harmless compounds.
Portion of 100.79-1-2.11	Groundwater Treatment System Groundwater will be treated in-situ by injections of oxygen release compounds (ORC) to degrade petroleum hydrocarbons to harmless compounds

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C915260

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Cody Martin (print name) at C&S Engineers, Inc. 141 Elm Street, Buffalo, NY 14203 (print business address),

am certifying as Representative for Kaleida Health, Kaleida Properties, Inc., and Seavest Core Buffalo Conventus, LLC (Owner or Remedial Party)

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

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date: 5/14/2025

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I H. Nevin Bradford (print name) at C&S Engineers, Inc. 141 Elm Street, Buffalo, NY 14203 (print business address),

am certifying as a Professional Engineer for the Representative for Kaleida Health, Kaleida Properties, Inc., and Seavest Core Buffalo Conventus, LLC (Owner or Remedial Party)





Registration Expires: 04.31.2026

July 30, 2025

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

APPENDIX C

PHOTO LOG

PHOTOGRAPHIC LOG

Exhibit:	Date:	Conventus PRR Site Visit
1	4/25/2025	

Description:

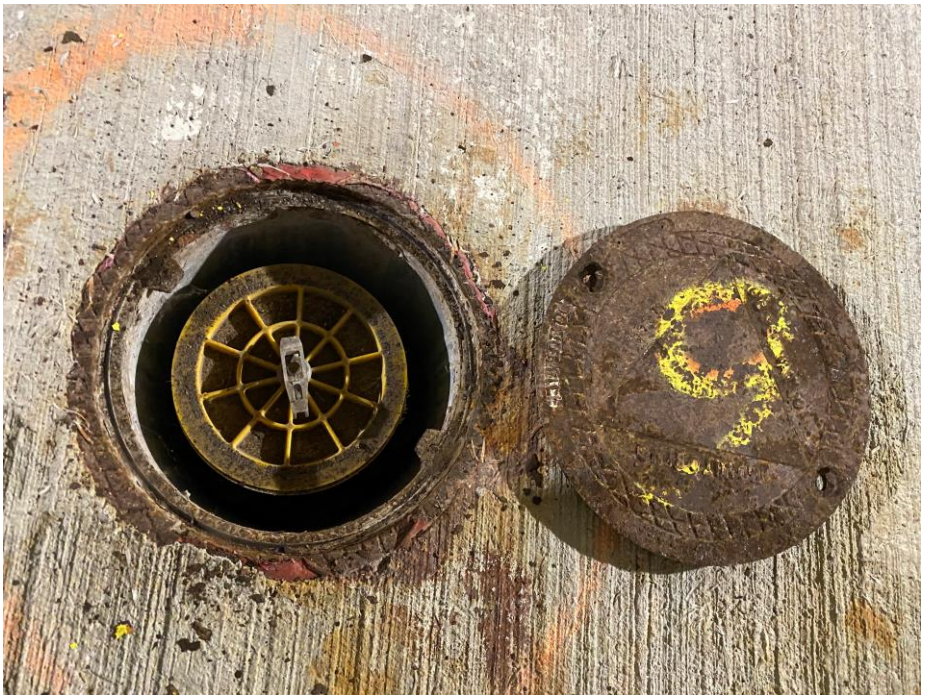
BCPMW-6



Exhibit:	Date:	Conventus PRR Site Visit
2	4/25/2025	

Description:

BCPMW-6



PHOTOGRAPHIC LOG

Exhibit:	Date:	Conventus PRR Site Visit
3	4/25/2025	

Description:

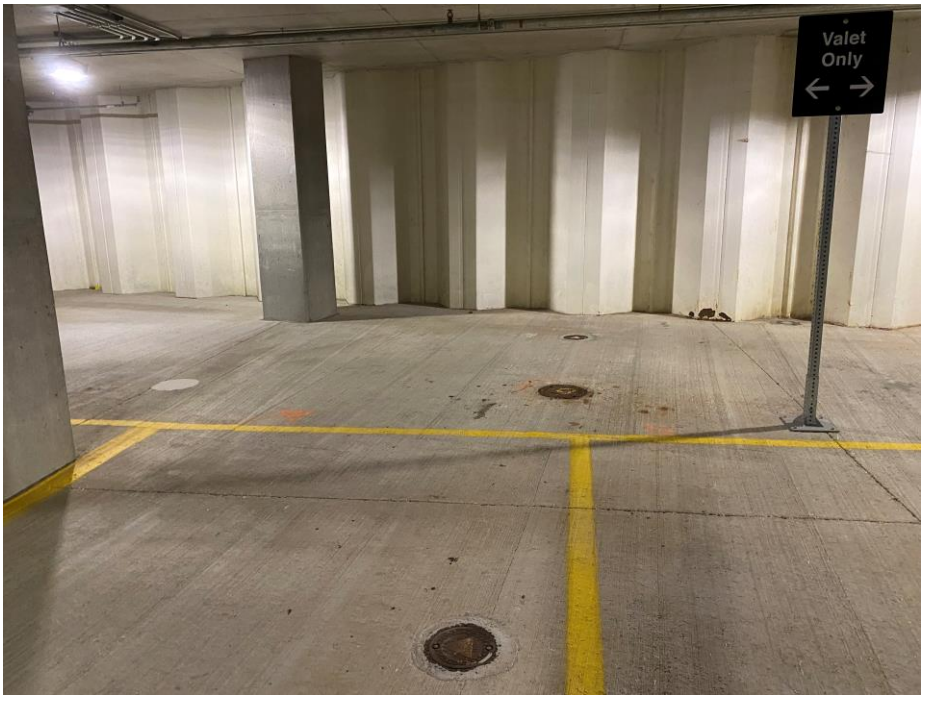
BCPMW-6



Exhibit:	Date:	Conventus PRR Site Visit
4	4/25/2025	

Description:

BCPMW-6



PHOTOGRAPHIC LOG

Exhibit:	Date:	Conventus PRR Site Visit
5	4/25/2025	

Description:

BCPMW-7



Exhibit:	Date:	Conventus PRR Site Visit
6	4/25/2025	

Description:

BCPMW-7



PHOTOGRAPHIC LOG

Exhibit:	Date:	Conventus PRR Site Visit
7	4/25/2025	

Description:

BCPMW-1



Exhibit:	Date:	Conventus PRR Site Visit
8	4/25/2025	

Description:

BCPMW-1



PHOTOGRAPHIC LOG

Exhibit:	Date:	Conventus PRR Site Visit
9	4/25/2025	

Description:

BCPMW-1

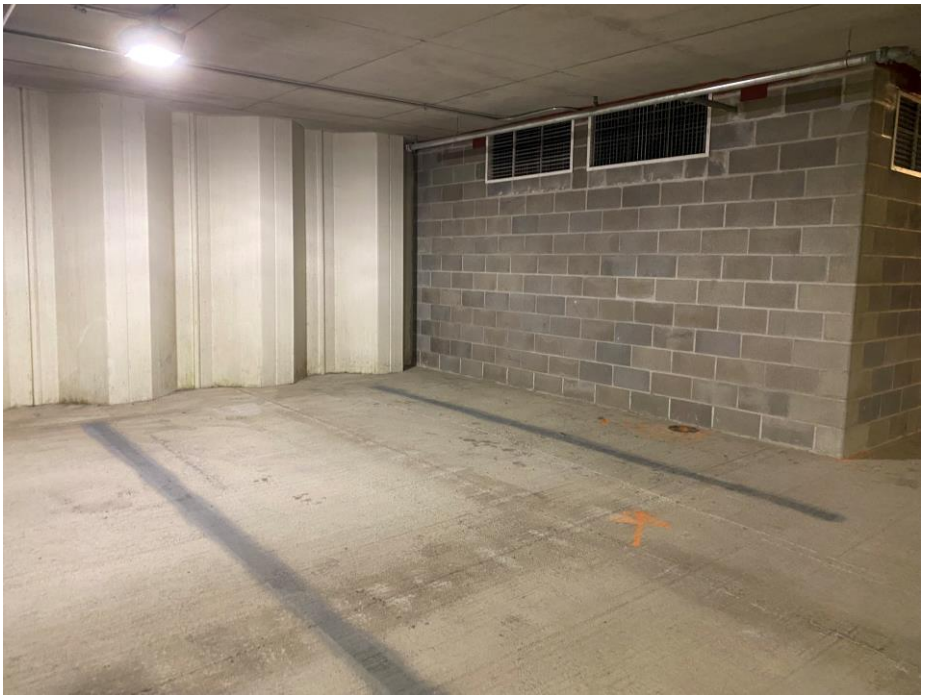


Exhibit:	Date:	Conventus PRR Site Visit
10	4/25/2025	

Description:

BCPMW-5



PHOTOGRAPHIC LOG

Exhibit:	Date:	Conventus PRR Site Visit
11	4/25/2025	

Description:

BCPMW-5



Exhibit:	Date:	Conventus PRR Site Visit
12	4/25/2025	

Description:

BCPMW-3



PHOTOGRAPHIC LOG

Exhibit:	Date:	Conventus PRR Site Visit
13	4/25/2025	

Description:

BCPMW-3



Exhibit:	Date:	Conventus PRR Site Visit
14	4/25/2025	

Description:

BCPMW-3



PHOTOGRAPHIC LOG

Exhibit:	Date:	Conventus PRR Site Visit
15	4/25/2025	

Description:

BCPMW-4



APPENDIX D

DUSR

DATA USABILITY SUMMARY REPORT (DUSR)

Conventus
Buffalo, NY
Project # U86

SDG: **L2457097**
6 Water Samples and 1 Trip Blank

Prepared for:

C&S Companies
141 Elm Street, Suite 100
Buffalo, NY 14203
Attention: Richard Backert

June 2025

EDU *Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

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REVIEWER'S NARRATIVE
C&S Companies SDG L2457097 Conventus

The data associated with this Sample Delivery Groups (SDG) L2457097, analyzed by Alpha Analytical, Services, Westborough, MA have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 6/30/2025

Michael K. Perry
Chemist

1.0 EVENT SUMMARY

SITE:	Conventus Buffalo, NY Project #: U86
SAMPLING DATEs:	October 02, 2024
SAMPLE TYPE:	6 water samples and 1 trip blank
LABORATORY:	Alpha Analytical Services Westborough, MA
SDG No.:	SDG L2457097

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for 6 water samples and 1 trip blank collected on 10/02/24. These samples were analyzed for Volatile Organic Compounds (VOCs).

All laboratory analyses were submitted to Alpha Analytical Services, Westborough, MA and analyzed as SDG L2457097. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

Guidance Used For Validating Laboratory Analytical Data

Analyte Group	Guidance	Date
Metals (ICP-AES)	USEPA SOP HW-3a, Rev. 1	September 2016
Metals (Hg & CN)	USEPA SOP HW-3c, Rev. 1	September 2016
Volatile Organic Compounds (by Methods 8260B & 8260C)	USEPA SOP HW-24, Rev. 4	September 2014
Semi-Volatile Organic Compounds (by Method 8270D)	USEPA SOP HW-22 Rev. 5	December 2010
Pesticides (by Method 8181B)	USEPA SOP HW-44, Rev. 1.1	December 2010
Chlorinated Herbicides (by Method 8151A)	USEPA SOP HW-17, Rev. 3.1	December 2010
Polychlorinated Biphenyls (PCBs)	USEPA SOP HW-37A, Rev. 0	June 2015
Volatile Organic Compounds (Air) (by Method TO-15)	USEPA SOP HW-31, Rev. 6	September 2016
Per- and PolyFluoroAlkyl Substances (PFAS)	* NYSDEC ** US Dept. of Defense	January 2021 November 2022
Radiological Analysis		
Uranium	USEPA Method 908.0	June 1999
Radium-226	USEPA Method 903.1	1980
General Chemistry Parameters	per NYSDEC ASP	July 2005

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

** Data Validation Guidelines Module 6: Data Validatioin Procedures for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24

TABLE 4-2

QUALITY CONTROL CRITERIA USED FOR VALIDATING LABORATORY ANALYTICAL DATA

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	PFAS
Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation
Holding Time	Holding Time	Holding Time	Holding Time	Holding Times	Holding Time
System Monitoring Compounds	Surrogate Recoveries	Surrogate Recoveries	Initial/Continuing Calibration	Calibration	Instr Performance Check
Lab Control Sample	Lab Control Sample	Matrix Spikes	CRDL Standards	Lab Control Samples	Initial Calibration
Matrix Spikes	Matrix Spikes	Blanks	Blanks	Blanks	Continuing Calibration
Blanks	Blanks	Instrument Calibration & Verification	Interference Check Sample	Spike Recoveries	Blanks
Instrument Tuning	Instrument Tuning	Comparison of duplicate GC column results	Spike Recoveries	Lab Duplicates	Surrogates
Internal Standards	Internal Standards	Analyte ID	Lab Duplicate		Lab Fortified Blank
Initial Calibration	Initial Calibration	Lab Qualifiers	Lab Control Sample		Matrix Spikes
Continuing Calibration	Continuing Calibration	Field Duplicate	ICP Serial Dilutions		Internal Standards
Lab Qualifiers	Lab Qualifiers		Lab Qualifiers		
Field Duplicate	Field Duplicate		Field Duplicate		

Method TO-15 (Air)	Radiological (U and Ra)
Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation
Holding Time	Holding Time
Canister Certification	Sample Specific Yield
Instrument Tuning	Required Detection Limit
Initial Calibration and Instrument Performance	Laboratory Control Sample
	Matrix Spikes
Daily Calibration	Method Blank
Blanks	Instrument Calibration
Lab Control Sample	
Field Duplicate	

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

J+ The result is an estimated quantity and may be biased high.

J- The result is an estimated quantity and may be biased low.

UJ The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Table 6-1. The table lists the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG L2457097, seven samples were analyzed and results were reported for 406 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and qualified and the associated QC reasons.

Table 6-1 VOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
All samples	Bromomethane	UJ non-detects J detects	LCS rec < QC limits	Data are estimated
MW-5	Bromomethane Cyclohexane	UJ non-detects J detects	CCV % D > QC limit	Data are estimated
MW-1 MW-7 MW-4 MW-3 MW-6 Trip Blank	Bromomethane Chloroethane Cyclohexane	UJ non-detects J detects	CCV % D > QC limit	Data are estimated
MW-5	Ethylbenzene p/m-Xylene Naphthalene 1,2,4-Trimethylbenzene	J detects	Over range values (lab E flagged)	Data are estimated

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results

www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2457097

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

Project Name: CONVENTUS
Project Number: U86

Lab Number: L2457097
Report Date: 10/09/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2457097-01	MW-1	WATER	CONVENTUS	10/02/24 10:25	10/02/24
L2457097-02	MW-7	WATER	CONVENTUS	10/02/24 11:25	10/02/24
L2457097-03	MW-4	WATER	CONVENTUS	10/02/24 12:30	10/02/24
L2457097-04	MW-3	WATER	CONVENTUS	10/02/24 13:15	10/02/24
L2457097-05	MW-6	WATER	CONVENTUS	10/02/24 14:00	10/02/24
L2457097-06	MW-5	WATER	CONVENTUS	10/02/24 15:05	10/02/24
L2457097-07	TRIP BLANK	WATER	CONVENTUS	10/02/24 15:45	10/02/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2457097-06: The sample identified as "MW-5" on the chain of custody was identified as "MW-8" on the container label. At the client's request, the sample is reported as "MW-5".

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

Authorized Signature: Caitlin Wallukeit Report Date: 10/09/24

Title: Technical Director/Representative

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab 10/3/24

ALPHA Job # L2457097

Client Information

Client: CTS COMPANIES
Address: 141 ELM ST.
BUFFALO NY 14203
Phone: 716-994-3520
Fax:
Email: Rbackert@ctscos.com

Project Information

Project Name: CONVENTUS
Project Location: CONVENTUS
Project # U 820
(Use Project name as Project #) ☐
Project Manager: RICH BACKERT
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Sample Specific Comments	Total Bottle
L2457097-01	MW-1	10/2/24	10:25	GW	RB	X		3
-02	MW-7	10/2/24	11:25	GW	RB	X		3
-03	MW-4	10/2/24	12:30	GW	RB	X		3
-04	MW-3	10/2/24	1:15	GW	RB	X		3
-05	MW-6	10/2/24	2:00	GW	RB	X		3
-06	MW-5	10/2/24	3:05	GW	RB	X		3
-07	TRIP BLANK	10/2/24	3:45	GW	RB	X		2

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	10/2/24 3:45		10/2/24 @15:45
	10/2/24 @15:45		10-2-24 15:45
	10-2-24 16:09		
	0130		10/3 0130

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

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

GC/MS 8260
Analysis

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-01	Date Collected	: 10/02/24 10:25
Client ID	: MW-1	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	
75-00-3	Chloroethane	ND	2.5	0.70	U	UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

MKP 6/30/2025

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-01	Date Collected	: 10/02/24 10:25
Client ID	: MW-1	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-01	Date Collected	: 10/02/24 10:25
Client ID	: MW-1	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

MKP 6/30/2025

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-02	Date Collected	: 10/02/24 11:25
Client ID	: MW-7	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A15	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-02	Date Collected	: 10/02/24 11:25
Client ID	: MW-7	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A15	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-02	Date Collected	: 10/02/24 11:25
Client ID	: MW-7	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A15	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-03D	Date Collected	: 10/02/24 12:30
Client ID	: MW-4	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:01
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A16	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	10	2.8	U	
75-34-3	1,1-Dichloroethane	ND	10	2.8	U	
67-66-3	Chloroform	ND	10	2.8	U	
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U	
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U	
124-48-1	Dibromochloromethane	ND	2.0	0.60	U	
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U	
127-18-4	Tetrachloroethene	ND	2.0	0.72	U	
108-90-7	Chlorobenzene	ND	10	2.8	U	
75-69-4	Trichlorofluoromethane	ND	10	2.8	U	
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U	
71-55-6	1,1,1-Trichloroethane	ND	10	2.8	U	
75-27-4	Bromodichloromethane	ND	2.0	0.77	U	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U	
75-25-2	Bromoform	ND	8.0	2.6	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U	
71-43-2	Benzene	3.9	2.0	0.64		
108-88-3	Toluene	11	10	2.8		
100-41-4	Ethylbenzene	570	10	2.8		
74-87-3	Chloromethane	ND	10	2.8	U	
74-83-9	Bromomethane	ND	10	2.8	U	UJ
75-01-4	Vinyl chloride	ND	4.0	0.28	U	
75-00-3	Chloroethane	ND	10	2.8	U	UJ
75-35-4	1,1-Dichloroethene	ND	2.0	0.68	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-03D	Date Collected	: 10/02/24 12:30
Client ID	: MW-4	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:01
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A16	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U
79-01-6	Trichloroethene	ND	2.0	0.70	U
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	0.66	U
179601-23-1	p/m-Xylene	6.3	10	2.8	J
95-47-6	o-Xylene	3.3	10	2.8	J
156-59-2	cis-1,2-Dichloroethene	ND	10	2.8	U
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
104-51-8	n-Butylbenzene	4.2	10	2.8	J
135-98-8	sec-Butylbenzene	ND	10	2.8	U
98-06-6	tert-Butylbenzene	ND	10	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
98-82-8	Isopropylbenzene	18	10	2.8	
99-87-6	p-Isopropyltoluene	ND	10	2.8	U
91-20-3	Naphthalene	76	10	2.8	
103-65-1	n-Propylbenzene	94	10	2.8	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-03D	Date Collected	: 10/02/24 12:30
Client ID	: MW-4	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:01
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A16	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	10	2.8	U
95-63-6	1,2,4-Trimethylbenzene	370	10	2.8	
79-20-9	Methyl Acetate	ND	8.0	0.94	U
110-82-7	Cyclohexane	64	40	1.1	J
76-13-1	Freon-113	ND	10	2.8	U
108-87-2	Methyl cyclohexane	12	40	1.6	J

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-04D	Date Collected	: 10/02/24 13:15
Client ID	: MW-3	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:26
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A17	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	10	2.8	U	
75-34-3	1,1-Dichloroethane	ND	10	2.8	U	
67-66-3	Chloroform	ND	10	2.8	U	
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U	
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U	
124-48-1	Dibromochloromethane	ND	2.0	0.60	U	
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U	
127-18-4	Tetrachloroethene	ND	2.0	0.72	U	
108-90-7	Chlorobenzene	ND	10	2.8	U	
75-69-4	Trichlorofluoromethane	ND	10	2.8	U	
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U	
71-55-6	1,1,1-Trichloroethane	ND	10	2.8	U	
75-27-4	Bromodichloromethane	ND	2.0	0.77	U	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U	
75-25-2	Bromoform	ND	8.0	2.6	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U	
71-43-2	Benzene	0.66	2.0	0.64	J	
108-88-3	Toluene	8.6	10	2.8	J	
100-41-4	Ethylbenzene	130	10	2.8		
74-87-3	Chloromethane	ND	10	2.8	U	
74-83-9	Bromomethane	ND	10	2.8	U	UJ
75-01-4	Vinyl chloride	ND	4.0	0.28	U	
75-00-3	Chloroethane	ND	10	2.8	U	UJ
75-35-4	1,1-Dichloroethene	ND	2.0	0.68	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-04D	Date Collected	: 10/02/24 13:15
Client ID	: MW-3	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:26
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A17	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U
79-01-6	Trichloroethene	ND	2.0	0.70	U
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	0.66	U
179601-23-1	p/m-Xylene	210	10	2.8	
95-47-6	o-Xylene	15	10	2.8	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.8	U
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
104-51-8	n-Butylbenzene	ND	10	2.8	U
135-98-8	sec-Butylbenzene	ND	10	2.8	U
98-06-6	tert-Butylbenzene	ND	10	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
98-82-8	Isopropylbenzene	ND	10	2.8	U
99-87-6	p-Isopropyltoluene	ND	10	2.8	U
91-20-3	Naphthalene	120	10	2.8	
103-65-1	n-Propylbenzene	5.1	10	2.8	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-04D	Date Collected	: 10/02/24 13:15
Client ID	: MW-3	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 13:26
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A17	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	10	2.8	U
95-63-6	1,2,4-Trimethylbenzene	470	10	2.8	
79-20-9	Methyl Acetate	ND	8.0	0.94	U
110-82-7	Cyclohexane	53	40	1.1	J
76-13-1	Freon-113	ND	10	2.8	U
108-87-2	Methyl cyclohexane	25	40	1.6	J

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-05	Date Collected	: 10/02/24 14:00
Client ID	: MW-6	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 14:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	0.48	0.50	0.16	J	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	
75-00-3	Chloroethane	ND	2.5	0.70	U	UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-05	Date Collected	: 10/02/24 14:00
Client ID	: MW-6	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 14:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	0.78	2.5	0.70	J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-05	Date Collected	: 10/02/24 14:00
Client ID	: MW-6	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 14:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	
108-87-2	Methyl cyclohexane	0.41	10	0.40	J	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-06D2	Date Collected	: 10/02/24 15:05
Client ID	: MW-5	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/09/24 10:27
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241009A10	Instrument ID	: VOA105
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	6.2	1.8	U	
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U	
67-66-3	Chloroform	ND	6.2	1.8	U	
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U	
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U	
124-48-1	Dibromochloromethane	ND	1.2	0.37	U	
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U	
127-18-4	Tetrachloroethene	ND	1.2	0.45	U	
108-90-7	Chlorobenzene	ND	6.2	1.8	U	
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U	
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U	
75-27-4	Bromodichloromethane	ND	1.2	0.48	U	
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U	
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U	
75-25-2	Bromoform	ND	5.0	1.6	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U	
71-43-2	Benzene	0.75	1.2	0.40	J	
108-88-3	Toluene	18	6.2	1.8		
100-41-4	Ethylbenzene	990	6.2	1.8	E	J
74-87-3	Chloromethane	ND	6.2	1.8	U	
74-83-9	Bromomethane	ND	6.2	1.8	U	UJ
75-01-4	Vinyl chloride	ND	2.5	0.18	U	
75-00-3	Chloroethane	ND	6.2	1.8	U	
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-06D2	Date Collected	: 10/02/24 15:05
Client ID	: MW-5	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/09/24 10:27
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241009A10	Instrument ID	: VOA105
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U	
79-01-6	Trichloroethene	ND	1.2	0.44	U	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U	
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U	
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U	
1634-04-4	Methyl tert butyl ether	ND	6.2	0.42	U	
179601-23-1	p/m-Xylene	2600	6.2	1.8	E	J
95-47-6	o-Xylene	73	6.2	1.8		
156-59-2	cis-1,2-Dichloroethene	ND	6.2	1.8	U	
100-42-5	Styrene	ND	6.2	1.8	U	
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U	
67-64-1	Acetone	ND	12	3.6	U	
75-15-0	Carbon disulfide	ND	12	2.5	U	
78-93-3	2-Butanone	ND	12	4.8	U	
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U	
591-78-6	2-Hexanone	ND	12	2.5	U	
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U	
104-51-8	n-Butylbenzene	2.8	6.2	1.8	J	
135-98-8	sec-Butylbenzene	ND	6.2	1.8	U	
98-06-6	tert-Butylbenzene	ND	6.2	1.8	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U	
98-82-8	Isopropylbenzene	18	6.2	1.8		
99-87-6	p-Isopropyltoluene	ND	6.2	1.8	U	
91-20-3	Naphthalene	790	6.2	1.8	E	J
103-65-1	n-Propylbenzene	82	6.2	1.8		

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-06D2	Date Collected	: 10/02/24 15:05
Client ID	: MW-5	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/09/24 10:27
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05241009A10	Instrument ID	: VOA105
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U	
108-67-8	1,3,5-Trimethylbenzene	300	6.2	1.8		
95-63-6	1,2,4-Trimethylbenzene	1100	6.2	1.8	E	J
79-20-9	Methyl Acetate	ND	5.0	0.58	U	
110-82-7	Cyclohexane	21	25	0.68	J	J
76-13-1	Freon-113	ND	6.2	1.8	U	
108-87-2	Methyl cyclohexane	5.6	25	0.99	J	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Lab ID	: L2457097-06D	**Date Collected**	: 10/02/24 15:05
Client ID	: MW-5	**Date Received**	: 10/02/24
Sample Location	: CONVENTUS	**Date Analyzed**	: 10/08/24 13:52
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V05241008A18	**Instrument ID**	: VOA105
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-41-4	Ethylbenzene	960	50	14.	
179601-23-1	p/m-Xylene	2000	50	14.	
91-20-3	Naphthalene	530	50	14.	
95-63-6	1,2,4-Trimethylbenzene	1400	50	14.	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-07	Date Collected	: 10/02/24 15:45
Client ID	: TRIP BLANK	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 11:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A13	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-07	Date Collected	: 10/02/24 15:45
Client ID	: TRIP BLANK	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 11:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A13	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Lab ID	: L2457097-07	Date Collected	: 10/02/24 15:45
Client ID	: TRIP BLANK	Date Received	: 10/02/24
Sample Location	: CONVENTUS	Date Analyzed	: 10/08/24 11:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V05241008A13	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Appendix B

Laboratory QC Documentation

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1981780-3	**Analysis Date** : 10/08/24 06:40	**File ID** : V05241008A01
LCSD Sample ID	: WG1981780-4	**Analysis Date** : 10/08/24 07:06	**File ID** : V05241008A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	10	100	10	11	110	10	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	9.7	97	10	10	100	3	63-130	20
1,1,2-Trichloroethane	10	10	100	10	10	100	0	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	10	100	10	9.9	99	1	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	9.8	98	10	10	100	2	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
cis-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
Bromoform	10	9.3	93	10	9.7	97	4	54-136	20
1,1,2,2-Tetrachloroethane	10	9.9	99	10	10	100	1	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	10	11	110	10	11	110	0	70-130	20
Chloromethane	10	8.2	82	10	8.4	84	2	64-130	20
Bromomethane	10	3.4	34 Q	10	3.6	36 Q	6	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	7.6	76	10	7.8	78	3	55-138	20
1,1-Dichloroethene	10	10	100	10	9.8	98	2	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457097
Project Name	: CONVENTUS	**Project Number**	: U86
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1982134-3	**Analysis Date** : 10/09/24 06:38	**File ID** : V05241009A01
LCSD Sample ID	: WG1982134-4	**Analysis Date** : 10/09/24 07:04	**File ID** : V05241009A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	10	12	120	10	11	110	9	70-130	20
Chloroform	10	11	110	10	10	100	10	70-130	20
Carbon tetrachloride	10	11	110	10	11	110	0	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	10	100	10	10	100	0	63-130	20
1,1,2-Trichloroethane	10	11	110	10	10	100	10	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	11	110	10	11	110	0	62-150	20
1,2-Dichloroethane	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
cis-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
Bromoform	10	9.2	92	10	9.5	95	3	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92	10	9.4	94	2	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	10	11	110	10	11	110	0	70-130	20
Chloromethane	10	8.6	86	10	8.4	84	2	64-130	20
Bromomethane	10	3.5	35 Q	10	3.8	38 Q	8	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	8.4	84	10	8.4	84	0	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	Lab Number	: L2457097
Project Name	: CONVENTUS	Project Number	: U86
Instrument ID	: VOA105	Calibration Date	: 10/08/24 06:40
Lab File ID	: V05241008A01	Init. Calib. Date(s)	: 09/06/24 09/06/24
Sample No	: WG1981780-2	Init. Calib. Times	: 17:39 21:53
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
Fluorobenzene	1	1	-	0	20	184	0	
Dichlorodifluoromethane	0.293	0.312	-	-6.5	20	175	0	
Chloromethane	0.283	0.233	-	17.7	20	140	0	
Vinyl chloride	0.246	0.263	-	-6.9	20	178	0	
Bromomethane	0.12	0.041	-	65.8*	20	66	0	
Chloroethane	10	7.657	-	23.4*	20	149	.01	
Trichlorofluoromethane	0.37	0.373	-	-0.8	20	169	0	
Ethyl ether	0.089	0.074	-	16.9	20	151	0	
1,1-Dichloroethene	0.184	0.184	-	0	20	170	0	
Carbon disulfide	0.567	0.595	-	-4.9	20	178	0	
Freon-113	0.202	0.201	-	0.5	20	165	0	
Iodomethane	0.309	0.042	-	86.4*	20	25	0	NT
Acrolein	0.025	0.023	-	8	20	190	0	
Methylene chloride	0.219	0.233	-	-6.4	20	190	0	
Acetone	0.047	0.038	-	19.1	20	150	0	
trans-1,2-Dichloroethene	0.218	0.24	-	-10.1	20	191	0	
Methyl acetate	0.104	0.101	-	2.9	20	189	0	
Methyl tert-butyl ether	0.479	0.458	-	4.4	20	177	0	
tert-Butyl alcohol	0.011	0.011	-	0	20	213	0	
Diisopropyl ether	0.729	0.796	-	-9.2	20	199	0	
1,1-Dichloroethane	0.396	0.447	-	-12.9	20	191	0	
Halothane	0.175	0.191	-	-9.1	20	189	0	
Acrylonitrile	0.055	0.047	-	14.5	20	160	0	
Ethyl tert-butyl ether	0.537	0.607	-	-13	20	210	0	
Vinyl acetate	0.434	0.443	-	-2.1	20	208	0	
cis-1,2-Dichloroethene	0.247	0.262	-	-6.1	20	187	0	
2,2-Dichloropropane	0.323	0.383	-	-18.6	20	204	0	
Bromochloromethane	0.119	0.121	-	-1.7	20	176	0	
Cyclohexane	0.382	0.468	-	-22.5*	20	199	0	
Chloroform	0.414	0.414	-	0	20	177	0	
Ethyl acetate	0.167	0.146	-	12.6	20	182	0	
Carbon tetrachloride	0.356	0.371	-	-4.2	20	181	0	
Tetrahydrofuran	0.054	0.045	-	16.7	20	164	0	
Dibromofluoromethane	0.279	0.271	-	2.9	20	181	0	
1,1,1-Trichloroethane	0.386	0.411	-	-6.5	20	180	-.01	
2-Butanone	0.072	0.061	-	15.3	20	173	0	
1,1-Dichloropropene	0.286	0.327	-	-14.3	20	195	0	
Benzene	0.842	0.937	-	-11.3	20	189	0	
tert-Amyl methyl ether	0.444	0.477	-	-7.4	20	200	0	
1,2-Dichloroethane-d4	0.289	0.303	-	-4.8	20	185	0	
1,2-Dichloroethane	0.278	0.291	-	-4.7	20	186	0	
Methyl cyclohexane	0.386	0.421	-	-9.1	20	184	0	
Trichloroethene	0.251	0.247	-	1.6	20	174	0	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2457097	
Project Name	: CONVENTUS		Project Number	: U86	
Instrument ID	: VOA105		Calibration Date	: 10/09/24 06:38	
Lab File ID	: V05241009A01		Init. Calib. Date(s)	: 09/06/24	09/06/24
Sample No	: WG1982134-2		Init. Calib. Times	: 17:39	21:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
Fluorobenzene	1	1	-	0	20	140	0	
Dichlorodifluoromethane	0.293	0.327	-	-11.6	20	139	0	
Chloromethane	0.283	0.242	-	14.5	20	110	0	
Vinyl chloride	0.246	0.264	-	-7.3	20	136	0	
Bromomethane	0.12	0.042	-	65*	20	52	0	
Chloroethane	10	8.398	-	16	20	124	.01	
Trichlorofluoromethane	0.37	0.399	-	-7.8	20	137	0	
Ethyl ether	0.089	0.073	-	18	20	113	0	
1,1-Dichloroethene	0.184	0.186	-	-1.1	20	131	0	
Carbon disulfide	0.567	0.617	-	-8.8	20	141	0	
Freon-113	0.202	0.211	-	-4.5	20	132	0	
Acrolein	0.025	0.021	-	16	20	133	0	
Methylene chloride	0.219	0.243	-	-11	20	150	0	
Acetone	0.047	0.039	-	17	20	116	0	
trans-1,2-Dichloroethene	0.218	0.243	-	-11.5	20	147	0	
Methyl acetate	0.104	0.098	-	5.8	20	140	0	
Methyl tert-butyl ether	0.479	0.433	-	9.6	20	127	0	
tert-Butyl alcohol	0.011	0.01	-	9.1	20	150	0	
Diisopropyl ether	0.729	0.777	-	-6.6	20	148	0	
1,1-Dichloroethane	0.396	0.464	-	-17.2	20	151	0	
Halothane	0.175	0.198	-	-13.1	20	149	0	
Acrylonitrile	0.055	0.047	-	14.5	20	122	0	
Ethyl tert-butyl ether	0.537	0.582	-	-8.4	20	153	0	
Vinyl acetate	0.434	0.438	-	-0.9	20	157	0	
cis-1,2-Dichloroethene	0.247	0.267	-	-8.1	20	145	0	
2,2-Dichloropropane	0.323	0.401	-	-24.1*	20	163	0	NT
Bromochloromethane	0.119	0.129	-	-8.4	20	143	0	
Cyclohexane	0.382	0.474	-	-24.1*	20	154	0	
Chloroform	0.414	0.441	-	-6.5	20	143	0	
Ethyl acetate	0.167	0.147	-	12	20	140	0	
Carbon tetrachloride	0.356	0.404	-	-13.5	20	150	0	
Tetrahydrofuran	0.054	0.05	-	7.4	20	138	0	
Dibromofluoromethane	0.279	0.285	-	-2.2	20	145	0	
1,1,1-Trichloroethane	0.386	0.435	-	-12.7	20	146	-.01	
2-Butanone	0.072	0.066	-	8.3	20	141	0	
1,1-Dichloropropene	0.286	0.332	-	-16.1	20	150	0	
Benzene	0.842	0.958	-	-13.8	20	147	0	
tert-Amyl methyl ether	0.444	0.458	-	-3.2	20	146	0	
1,2-Dichloroethane-d4	0.289	0.32	-	-10.7	20	149	0	
1,2-Dichloroethane	0.278	0.303	-	-9	20	147	0	
Methyl cyclohexane	0.386	0.422	-	-9.3	20	140	0	
Trichloroethene	0.251	0.261	-	-4	20	140	0	
Dibromomethane	0.13	0.13	-	0	20	140	0	

* Value outside of QC limits.

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

Conventus PRR
Buffalo, NY
Project # U86

SDG: **L2525831**
7 Water Samples

Prepared for:

C&S Companies
141 Elm Street, Suite 100
Buffalo, NY 14203
Attention: Cody Martin

May 2025

EDU *Environmental Data Usability* *10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

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REVIEWER'S NARRATIVE
C&S Companies SDG L2525831 Conventus PRR

The data associated with this Sample Delivery Groups (SDG) L2525831, analyzed by Pace Analytical, Services, Westborough, MA have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 5/20/2025

Michael K. Perry
Chemist

1.0 EVENT SUMMARY

SITE:	Conventus PRR Buffalo, NY Project #: U86
SAMPLING DATEs:	April 25, 2025
SAMPLE TYPE:	7 water samples
LABORATORY:	Pace Analytical Services Westborough, MA
SDG No.:	SDG L2525831

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for 7 water samples collected on 4/25/25. These samples were analyzed for Volatile Organic Compounds (VOCs).

All laboratory analyses were submitted to Pace Analytical Services, Westborough, MA and analyzed as SDG L2525831. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

Guidance Used For Validating Laboratory Analytical Data

Analyte Group	Guidance	Date
Metals (ICP-AES)	USEPA SOP HW-3a, Rev. 1	September 2016
Metals (Hg & CN)	USEPA SOP HW-3c, Rev. 1	September 2016
Volatile Organic Compounds (by Methods 8260B & 8260C)	USEPA SOP HW-24, Rev. 4	September 2014
Semi-Volatile Organic Compounds (by Method 8270D)	USEPA SOP HW-22 Rev. 5	December 2010
Pesticides (by Method 8181B)	USEPA SOP HW-44, Rev. 1.1	December 2010
Chlorinated Herbicides (by Method 8151A)	USEPA SOP HW-17, Rev. 3.1	December 2010
Polychlorinated Biphenyls (PCBs)	USEPA SOP HW-37A, Rev. 0	June 2015
Volatile Organic Compounds (Air) (by Method TO-15)	USEPA SOP HW-31, Rev. 6	September 2016
Per- and PolyFluoroAlkyl Substances (PFAS)	* NYSDEC ** US Dept. of Defense	January 2021 November 2022
Radiological Analysis		
Uranium	USEPA Method 908.0	June 1999
Radium-226	USEPA Method 903.1	1980
General Chemistry Parameters	per NYSDEC ASP	July 2005

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

** Data Validation Guidelines Module 6: Data Validatioin Procedures for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24

TABLE 4-2

QUALITY CONTROL CRITERIA USED FOR VALIDATING LABORATORY ANALYTICAL DATA

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	PFAS
Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation
Holding Time	Holding Time	Holding Time	Holding Time	Holding Times	Holding Time
System Monitoring Compounds	Surrogate Recoveries	Surrogate Recoveries	Initial/Continuing Calibration	Calibration	Instr Performance Check
Lab Control Sample	Lab Control Sample	Matrix Spikes	CRDL Standards	Lab Control Samples	Initial Calibration
Matrix Spikes	Matrix Spikes	Blanks	Blanks	Blanks	Continuing Calibration
Blanks	Blanks	Instrument Calibration & Verification	Interference Check Sample	Spike Recoveries	Blanks
Instrument Tuning	Instrument Tuning	Comparison of duplicate GC column results	Spike Recoveries	Lab Duplicates	Surrogates
Internal Standards	Internal Standards	Analyte ID	Lab Duplicate		Lab Fortified Blank
Initial Calibration	Initial Calibration	Lab Qualifiers	Lab Control Sample		Matrix Spikes
Continuing Calibration	Continuing Calibration	Field Duplicate	ICP Serial Dilutions		Internal Standards
Lab Qualifiers	Lab Qualifiers		Lab Qualifiers		
Field Duplicate	Field Duplicate		Field Duplicate		

Method TO-15 (Air)	Radiological (U and Ra)
Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation
Holding Time	Holding Time
Canister Certification	Sample Specific Yield
Instrument Tuning	Required Detection Limit
Initial Calibration and Instrument Performance	Laboratory Control Sample
	Matrix Spikes
Daily Calibration	Method Blank
Blanks	Instrument Calibration
Lab Control Sample	
Field Duplicate	

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

J+ The result is an estimated quantity and may be biased high.

J- The result is an estimated quantity and may be biased low.

UJ The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Table 6-1. The table lists the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG L2528531, seven samples were analyzed and results were reported for 406 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and qualified and the associated QC reasons.

Table 6-1 VOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
BCP MW-6	Acetone	CRQL-U	Analyte detected in method blank	Data changed to non-detect
All samples	2-Butanone	UJ non-detects J detects	ICAL RF < 0.05	Data are estimated
BCP MW-6	Bromomethane 2-Hexanone	UJ non-detects J detects	CCV % D > QC limit	Data are estimated
BCP MW-1 Dup BCP MW-7 BCP MW-5 BCP MW-3 BCP MW-4	Trichlorofluouomethane Carbon tetrachloride 4-Methyl-2-pentanone trans-1,3-Dichloropropane 1,1,2,2-Tetrachloroethane 2-Hexanone	UJ non-detects J detects	CCV % D > QC limit	Data are estimated

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2525831

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

Project Name: CONVENTUS PRR
Project Number: U86

Lab Number: L2525831
Report Date: 05/12/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2525831-01	BCP MW-6	WATER	BUFFALO, NY	04/25/25 09:50	04/25/25
L2525831-02	BCP MW-1	WATER	BUFFALO, NY	04/25/25 11:20	04/25/25
L2525831-03	DUP	WATER	BUFFALO, NY	04/25/25 11:20	04/25/25
L2525831-04	BCP MW-7	WATER	BUFFALO, NY	04/25/25 13:00	04/25/25
L2525831-05	BCP MW-5	WATER	BUFFALO, NY	04/25/25 14:05	04/25/25
L2525831-06	BCP MW-3	WATER	BUFFALO, NY	04/25/25 15:10	04/25/25
L2525831-07	BCP MW-4	WATER	BUFFALO, NY	04/25/25 16:00	04/25/25

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Caitlin Wallukeit Report Date: 05/12/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

NEW YORK CHAIN OF CUSTODY

L2525831
C&SCOMP

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

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

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

Page 1 of 1

Date Rec'd in Lab: 4/26

Client Information

Client: CTS Engineers
Address: 141 Elm St.
Buffalo NY 14203
Phone:
Fax:
Email: Cmartin@ctscos.com

Project Information

Project Name: Conventus PRR
Project Location: Buffalo, NY
Project #: U86
(Use Project name as Project #) ☐
Project Manager: Rich Backert
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOCs 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	Sample Specific Comments	Total Bottle
25831-01	BCP#MW-6	4/25/25	9:50	GW	NFO	X		3
02	BCP MW-1		11:20			X		3
03	DUP		11:20			X		3
04	BCP MW-7		1:00			X		3
05	BCP MW-5		2:05			X		3
06	BCPMW-3		3:10			X		3
07	BCPMW-4		4:00			X		3

Container Type: V
Preservative: B

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
(CS)	4/25/25 1640		
	4-25-25 16:41		4-25-25 16:41
	4-25-25 16:45		
	2130		04/26/25 01:30

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

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

GC/MS 8260
Analysis

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-01	Date Collected	: 04/25/25 09:50
Client ID	: BCP MW-6	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-01	Date Collected	: 04/25/25 09:50
Client ID	: BCP MW-6	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter		ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene		ND	2.5	0.70	U	
79-01-6	Trichloroethene		ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene		ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene		ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene		ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether		ND	2.5	0.17	U	
179601-23-1	p/m-Xylene		ND	2.5	0.70	U	
95-47-6	o-Xylene		ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene		ND	2.5	0.70	U	
100-42-5	Styrene		ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane		ND	5.0	1.0	U	
67-64-1	Acetone	5.O UJ	~~3.9~~	5.0	1.5	J	UJ
75-15-0	Carbon disulfide		ND	5.0	1.0	U	
78-93-3	2-Butanone		ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone		ND	5.0	1.0	U	
591-78-6	2-Hexanone		ND	5.0	1.0	U	UJ
106-93-4	1,2-Dibromoethane		ND	2.0	0.65	U	
104-51-8	n-Butylbenzene		ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene		ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene		ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane		ND	2.5	0.70	U	
98-82-8	Isopropylbenzene		ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene		ND	2.5	0.70	U	
91-20-3	Naphthalene		ND	2.5	0.70	U	
103-65-1	n-Propylbenzene		ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-01	Date Collected	: 04/25/25 09:50
Client ID	: BCP MW-6	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-02	Date Collected	: 04/25/25 11:20
Client ID	: BCP MW-1	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	UJ
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	UJ
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	ND	1.0	0.07	U	
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-02	Date Collected	: 04/25/25 11:20
Client ID	: BCP MW-1	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U	UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-02	Date Collected	: 04/25/25 11:20
Client ID	: BCP MW-1	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 12:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-03	Date Collected	: 04/25/25 11:20
Client ID	: DUP	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	UJ
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	UJ
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	ND	1.0	0.07	U	
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-03	Date Collected	: 04/25/25 11:20
Client ID	: DUP	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U	UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-03	Date Collected	: 04/25/25 11:20
Client ID	: DUP	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-04	Date Collected	: 04/25/25 13:00
Client ID	: BCP MW-7	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	UJ
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	UJ
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	ND	1.0	0.07	U	
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-04	Date Collected	: 04/25/25 13:00
Client ID	: BCP MW-7	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	3.2	5.0	1.5	J	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U	UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-04	Date Collected	: 04/25/25 13:00
Client ID	: BCP MW-7	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-05D	Date Collected	: 04/25/25 14:05
Client ID	: BCP MW-5	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:49
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A16	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	25	7.0	U	
75-34-3	1,1-Dichloroethane	ND	25	7.0	U	
67-66-3	Chloroform	ND	25	7.0	U	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U	UJ
78-87-5	1,2-Dichloropropane	ND	10	1.4	U	
124-48-1	Dibromochloromethane	ND	5.0	1.5	U	
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U	
127-18-4	Tetrachloroethene	ND	5.0	1.8	U	
108-90-7	Chlorobenzene	ND	25	7.0	U	
75-69-4	Trichlorofluoromethane	ND	25	7.0	U	UJ
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U	
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U	
75-27-4	Bromodichloromethane	ND	5.0	1.9	U	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U	UJ
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U	
75-25-2	Bromoform	ND	20	6.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U	UJ
71-43-2	Benzene	ND	5.0	1.6	U	
108-88-3	Toluene	28	25	7.0		
100-41-4	Ethylbenzene	700	25	7.0		
74-87-3	Chloromethane	ND	25	7.0	U	
74-83-9	Bromomethane	ND	25	7.0	U	
75-01-4	Vinyl chloride	ND	10	0.71	U	
75-00-3	Chloroethane	ND	25	7.0	U	
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U	

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Results Summary
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Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-05D	Date Collected	: 04/25/25 14:05
Client ID	: BCP MW-5	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:49
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A16	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U	
79-01-6	Trichloroethene	ND	5.0	1.8	U	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U	
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U	
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U	
1634-04-4	Methyl tert butyl ether	ND	25	1.7	U	
179601-23-1	p/m-Xylene	73	25	7.0		
95-47-6	o-Xylene	33	25	7.0		
156-59-2	cis-1,2-Dichloroethene	ND	25	7.0	U	
100-42-5	Styrene	ND	25	7.0	U	
75-71-8	Dichlorodifluoromethane	ND	50	10.	U	
67-64-1	Acetone	ND	50	15.	U	
75-15-0	Carbon disulfide	ND	50	10.	U	
78-93-3	2-Butanone	47	50	19.	J	J
108-10-1	4-Methyl-2-pentanone	26	50	10.	J	J
591-78-6	2-Hexanone	23	50	10.	J	J
106-93-4	1,2-Dibromoethane	ND	20	6.5	U	
104-51-8	n-Butylbenzene	ND	25	7.0	U	
135-98-8	sec-Butylbenzene	ND	25	7.0	U	
98-06-6	tert-Butylbenzene	ND	25	7.0	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U	
98-82-8	Isopropylbenzene	10	25	7.0	J	
99-87-6	p-Isopropyltoluene	ND	25	7.0	U	
91-20-3	Naphthalene	73	25	7.0		
103-65-1	n-Propylbenzene	42	25	7.0		

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-05D	Date Collected	: 04/25/25 14:05
Client ID	: BCP MW-5	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 13:49
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A16	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
108-67-8	1,3,5-Trimethylbenzene	11	25	7.0	J
95-63-6	1,2,4-Trimethylbenzene	880	25	7.0	
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	85	100	2.7	J
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	32	100	4.0	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-06D	Date Collected	: 04/25/25 15:10
Client ID	: BCP MW-3	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:13
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A17	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	12	3.5	U	
75-34-3	1,1-Dichloroethane	ND	12	3.5	U	
67-66-3	Chloroform	ND	12	3.5	U	
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U	UJ
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U	
124-48-1	Dibromochloromethane	ND	2.5	0.74	U	
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U	
127-18-4	Tetrachloroethene	ND	2.5	0.90	U	
108-90-7	Chlorobenzene	ND	12	3.5	U	
75-69-4	Trichlorofluoromethane	ND	12	3.5	U	UJ
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U	
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U	
75-27-4	Bromodichloromethane	ND	2.5	0.96	U	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U	UJ
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U	
75-25-2	Bromoform	ND	10	3.2	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U	UJ
71-43-2	Benzene	ND	2.5	0.80	U	
108-88-3	Toluene	7.7	12	3.5	J	
100-41-4	Ethylbenzene	290	12	3.5		
74-87-3	Chloromethane	ND	12	3.5	U	
74-83-9	Bromomethane	ND	12	3.5	U	
75-01-4	Vinyl chloride	ND	5.0	0.36	U	
75-00-3	Chloroethane	ND	12	3.5	U	
75-35-4	1,1-Dichloroethene	ND	2.5	0.84	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-06D	Date Collected	: 04/25/25 15:10
Client ID	: BCP MW-3	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:13
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A17	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U	
79-01-6	Trichloroethene	ND	2.5	0.88	U	
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U	
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U	
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U	
1634-04-4	Methyl tert butyl ether	ND	12	0.83	U	
179601-23-1	p/m-Xylene	370	12	3.5		
95-47-6	o-Xylene	20	12	3.5		
156-59-2	cis-1,2-Dichloroethene	ND	12	3.5	U	
100-42-5	Styrene	ND	12	3.5	U	
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U	
67-64-1	Acetone	ND	25	7.3	U	
75-15-0	Carbon disulfide	ND	25	5.0	U	
78-93-3	2-Butanone	ND	25	9.7	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U	UJ
591-78-6	2-Hexanone	ND	25	5.0	U	UJ
106-93-4	1,2-Dibromoethane	ND	10	3.2	U	
104-51-8	n-Butylbenzene	ND	12	3.5	U	
135-98-8	sec-Butylbenzene	ND	12	3.5	U	
98-06-6	tert-Butylbenzene	ND	12	3.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U	
98-82-8	Isopropylbenzene	ND	12	3.5	U	
99-87-6	p-Isopropyltoluene	ND	12	3.5	U	
91-20-3	Naphthalene	150	12	3.5		
103-65-1	n-Propylbenzene	13	12	3.5		

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-06D	Date Collected	: 04/25/25 15:10
Client ID	: BCP MW-3	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:13
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A17	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
108-67-8	1,3,5-Trimethylbenzene	7.2	12	3.5	J
95-63-6	1,2,4-Trimethylbenzene	510	12	3.5	
79-20-9	Methyl Acetate	ND	10	1.2	U
110-82-7	Cyclohexane	61	50	1.4	
76-13-1	Freon-113	ND	12	3.5	U
108-87-2	Methyl cyclohexane	24	50	2.0	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-07D	Date Collected	: 04/25/25 16:00
Client ID	: BCP MW-4	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:38
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A18	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	5.0	1.4	U	
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U	
67-66-3	Chloroform	ND	5.0	1.4	U	
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U	UJ
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U	
124-48-1	Dibromochloromethane	ND	1.0	0.30	U	
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U	
127-18-4	Tetrachloroethene	ND	1.0	0.36	U	
108-90-7	Chlorobenzene	ND	5.0	1.4	U	
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U	UJ
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U	
75-27-4	Bromodichloromethane	ND	1.0	0.38	U	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U	UJ
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U	
75-25-2	Bromoform	ND	4.0	1.3	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U	UJ
71-43-2	Benzene	2.3	1.0	0.32		
108-88-3	Toluene	5.0	5.0	1.4		
100-41-4	Ethylbenzene	160	5.0	1.4		
74-87-3	Chloromethane	ND	5.0	1.4	U	
74-83-9	Bromomethane	ND	5.0	1.4	U	
75-01-4	Vinyl chloride	ND	2.0	0.14	U	
75-00-3	Chloroethane	ND	5.0	1.4	U	
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-07D	Date Collected	: 04/25/25 16:00
Client ID	: BCP MW-4	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:38
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A18	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U	
79-01-6	Trichloroethene	ND	1.0	0.35	U	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U	
1634-04-4	Methyl tert butyl ether	ND	5.0	0.33	U	
179601-23-1	p/m-Xylene	5.1	5.0	1.4		
95-47-6	o-Xylene	ND	5.0	1.4	U	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.4	U	
100-42-5	Styrene	ND	5.0	1.4	U	
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U	
67-64-1	Acetone	ND	10	2.9	U	
75-15-0	Carbon disulfide	ND	10	2.0	U	
78-93-3	2-Butanone	ND	10	3.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U	UJ
591-78-6	2-Hexanone	ND	10	2.0	U	UJ
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U	
104-51-8	n-Butylbenzene	1.8	5.0	1.4	J	
135-98-8	sec-Butylbenzene	ND	5.0	1.4	U	
98-06-6	tert-Butylbenzene	ND	5.0	1.4	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U	
98-82-8	Isopropylbenzene	8.6	5.0	1.4		
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U	
91-20-3	Naphthalene	38	5.0	1.4		
103-65-1	n-Propylbenzene	37	5.0	1.4		

MKP 5/20/2025

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: L2525831-07D	Date Collected	: 04/25/25 16:00
Client ID	: BCP MW-4	Date Received	: 04/25/25
Sample Location	: BUFFALO, NY	Date Analyzed	: 05/08/25 14:38
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22250508A18	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U
95-63-6	1,2,4-Trimethylbenzene	130	5.0	1.4	
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	20	20	0.54	
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	6.5	20	0.79	J

Appendix B

Laboratory QC Documentation

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: WG2064186-5	Date Collected	: NA
Client ID	: WG2064186-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/08/25 09:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	1.3	2.5	0.70	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Lab ID	: WG2064186-5	Date Collected	: NA
Client ID	: WG2064186-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/08/25 09:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250508A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.6	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2525831**
Project Name	**: CONVENTUS PRR**	**Project Number**	**: U86**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL22177**
Calibration dates	**: 04/05/25 16:58 04/06/25 11:37**		

Calibration Files
L11 =V22250406A02.D L1 =V22250405A05.D L2 =V22250405A07.D L3 =V22250405A09.D L4 =V22250405A10.D
L6 =V22250405A11.D L8 =V22250405A12.D L10 =V22250405A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.127	0.171	0.175	0.174	0.170	0.168	0.160	0.164	10.42
3)	TP	Chloromethane		0.220	0.255	0.254	0.238	0.223	0.213	0.198	0.229	9.32
4)	TP	Vinyl chloride	0.225	0.175	0.204	0.208	0.198	0.194	0.195	0.191	0.199	7.27
5)	TP	Bromomethane		0.052	0.056	0.055	0.053	0.064	0.074	0.081	0.062	18.29
6)	TP	Chloroethane		0.101	0.116	0.116	0.105	0.099	0.094	0.085	0.102	11.07
7)	TP	Trichlorofluor		0.158	0.206	0.201	0.195	0.193	0.192	0.188	0.190	8.13
8)	TP	Ethyl ether		0.058	0.060	0.061	0.059	0.057	0.060	0.061	0.060	2.73
10)	TP	1,1-Dichloroet		0.097	0.115	0.125	0.119	0.115	0.117	0.117	0.115	7.39
11)	TP	Carbon disulfide		0.402	0.444	0.439	0.408	0.401	0.403	0.401	0.414	4.57
12)	TP	Freon-113		0.102	0.124	0.128	0.120	0.118	0.121	0.123	0.119	7.08
13)	TP	Iodomethane									0.000#	-1.00
14)	TP	Acrolein		0.013	0.017	0.018	0.019	0.018	0.019	0.019	0.017	12.53
15)	TP	Methylene chlo		0.147	0.156	0.146	0.136	0.132	0.133	0.132	0.140	6.61
17)	TP	Acetone			0.037	0.030	0.028	0.026	0.026	0.026	0.029	14.56
18)	TP	trans-1,2-Dich		0.118	0.141	0.140	0.133	0.129	0.130	0.130	0.132	5.91
19)	TP	Methyl acetate		0.087	0.084	0.075	0.074	0.069	0.071	0.072	0.076	9.03
21)	TP	Methyl tert butyl ether		0.190	0.228	0.254	0.255	0.257	0.274	0.280	0.248	12.29
22)	TP	tert-Butyl alc		0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.006#	10.45
24)	TP	Diisopropyl ether		0.400	0.456	0.511	0.520	0.521	0.518	0.511	0.491	9.39
25)	TP	1,1-Dichloroet		0.266	0.314	0.307	0.294	0.286	0.282	0.276	0.289#	5.80
26)	TP	Halothane		0.093	0.100	0.102	0.096	0.095	0.099	0.099	0.098	3.03
27)	TP	Acrylonitrile		0.027	0.034	0.036	0.036	0.034	0.034	0.035	0.034	9.27
28)	TP	Ethyl tert-but		0.253	0.287	0.341	0.360	0.370	0.387	0.391	0.341	15.34
29)	TP	Vinyl acetate			0.229	0.257	0.273	0.277	0.286	0.285	0.268	8.12
30)	TP	cis-1,2-Dichlo		0.125	0.151	0.151	0.142	0.139	0.139	0.138	0.141#	6.28
31)	TP	2,2-Dichloropr		0.166	0.196	0.196	0.187	0.187	0.188	0.187	0.187	5.29
32)	TP	Bromochloromet		0.067	0.064	0.067	0.063	0.060	0.058	0.057	0.062#	5.96
33)	TP	Cyclohexane		0.191	0.282	0.325	0.327	0.325	0.324	0.319	0.299	16.80
34)	TP	Chloroform		0.239	0.263	0.244	0.234	0.230	0.236	0.235	0.240#	4.49
35)	TP	Ethyl acetate			0.081	0.092	0.095	0.093	0.097	0.098	0.093	6.38
36)	TP	Carbon tetrachloride	0.183	0.137	0.181	0.187	0.183	0.183	0.187	0.185	0.178	9.46
37)	TP	Tetrahydrofuran			0.029	0.033	0.030	0.029	0.030	0.030	0.030	5.31
38)	S	Dibromofluoromethane	0.285	0.299	0.297	0.283	0.265	0.258	0.256	0.257	0.275	6.62
39)	TP	1,1,1-Trichlor		0.156	0.209	0.211	0.204	0.204	0.201	0.202	0.198	9.50
41)	TP	2-Butanone			0.040	0.037	0.043	0.038	0.042	0.042	0.040	5.90

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2525831**
Project Name	**: CONVENTUS PRR**	**Project Number**	**: U86**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL22247**
Calibration dates	**: 05/03/25 06:07 05/03/25 10:26**		

Calibration Files
L11 =V01250503B03.D L1 =V01250503B05.D L2 =V01250503B08.D L3 =V01250503B09.D L4 =V01250503B10.D
L6 =V01250503B11.D L8 =V01250503B12.D L10 =V01250503B13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.198	0.320	0.320	0.347	0.338	0.323	0.292	0.305	16.48
3)	TP	Chloromethane		0.141	0.174	0.163	0.194	0.196	0.200	0.201	0.181	12.63
4)	TP	Vinyl chloride	0.220	0.174	0.261	0.259	0.294	0.306	0.302	0.282	0.262	17.31
5)	TP	Bromomethane		0.051	0.051	0.061	0.084	0.124	0.143		*Q	0.9988
6)	TP	Chloroethane		0.126	0.169	0.151	0.155	0.151	0.149	0.137	0.148	9.28
7)	TP	Trichlorofluor		0.280	0.384	0.369	0.373	0.364	0.353	0.332	0.351	10.10
8)	TP	Ethyl ether		0.110	0.108	0.106	0.105	0.105	0.104	0.098	0.105	3.64
10)	TP	1,1-Dichloroet		0.155	0.227	0.226	0.227	0.223	0.225	0.226	0.215	12.40
11)	TP	Carbon disulfide		0.583	0.724	0.727	0.744	0.735	0.759	0.760	0.719	8.57
12)	TP	Freon-113		0.156	0.224	0.241	0.235	0.222	0.226	0.219	0.217	12.96
14)	TP	Acrolein			0.015	0.018	0.018	0.018	0.019	0.020	0.018	8.10
15)	TP	Methylene chlo		0.274	0.261	0.245	0.246	0.244	0.245	0.241	0.251	4.82
17)	TP	Acetone			0.028	0.025	0.025	0.024	0.025	0.025	0.025	5.71
18)	TP	trans-1,2-Dich		0.188	0.247	0.242	0.249	0.244	0.248	0.240	0.237	9.17
19)	TP	Methyl acetate		0.062	0.061	0.059	0.060	0.062	0.066	0.065	0.062	4.14
20)	TP	Methyl tert butyl ether		0.463	0.484	0.489	0.504	0.494	0.501	0.481	0.488	2.88
21)	TP	tert-Butyl alc		0.004	0.007	0.007	0.007	0.007	0.007	0.007	0.006#	19.45
22)	TP	Diisopropyl ether		0.448	0.483	0.493	0.499	0.505	0.534	0.535	0.500	6.08
23)	TP	1,1-Dichloroet		0.343	0.434	0.418	0.424	0.415	0.426	0.414	0.411	7.46
24)	TP	Halothane		0.143	0.193	0.185	0.190	0.186	0.188	0.179	0.180	9.57
25)	TP	Acrylonitrile			0.027	0.033	0.033	0.034	0.036	0.036	0.033	9.19
26)	TP	Ethyl tert-but		0.458	0.493	0.499	0.517	0.522	0.540	0.526	0.508	5.36
27)	TP	Vinyl acetate		0.199	0.213	0.230	0.230	0.232	0.250	0.241	0.228	7.46
28)	TP	cis-1,2-Dichlo		0.226	0.283	0.268	0.269	0.267	0.270	0.260	0.263	6.80
29)	TP	2,2-Dichloropr		0.245	0.338	0.320	0.342	0.334	0.337	0.320	0.319	10.71
30)	TP	Bromochloromet		0.110	0.119	0.117	0.119	0.109	0.104	0.096	0.110	7.95
31)	TP	Cyclohexane		0.244	0.344	0.355	0.358	0.361	0.384	0.378	0.346	13.60
32)	TP	Chloroform		0.399	0.448	0.430	0.446	0.430	0.434	0.413	0.429	4.08
33)	TP	Ethyl acetate			0.084	0.088	0.087	0.090	0.095	0.093	0.090	4.43
34)	TP	Carbon tetrachloride	0.284	0.236	0.327	0.340	0.350	0.344	0.342	0.329	0.319	12.27
35)	TP	Tetrahydrofuran			0.027	0.026	0.027	0.026	0.028	0.027	0.027	2.68
36)	S	Dibromofluoromethane	0.265	0.266	0.265	0.266	0.272	0.262	0.259	0.250	0.263	2.49
37)	TP	1,1,1-Trichlor		0.278	0.382	0.380	0.393	0.381	0.382	0.363	0.366	10.79
39)	TP	2-Butanone			0.035	0.034	0.034	0.035	0.037	0.03?	0.035	4.10
40)	TP	1,1-Dichloropr		0.229	0.326	0.329	0.340	0.332	0.338	0.325	0.317	12.36

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Instrument ID	: VOA101	Calibration Date	: 05/08/25 07:46
Lab File ID	: V01250508A01	Init. Calib. Date(s)	: 05/03/25 05/03/25
Sample No	: WG2064186-2	Init. Calib. Times	: 06:07 10:26
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
Fluorobenzene	1	1	-	0	20	89	0	
Dichlorodifluoromethane	0.305	0.263	-	13.8	20	73	0	
Chloromethane	0.181	0.161	-	11	20	88	0	
Vinyl chloride	0.262	0.244	-	6.9	20	84	0	
Bromomethane	10	7.052	-	29.5*	20	71	0	
Chloroethane	0.148	0.142	-	4.1	20	84	0	
Trichlorofluoromethane	0.351	0.332	-	5.4	20	80	0	
Ethyl ether	0.105	0.107	-	-1.9	20	90	0	
1,1-Dichloroethene	0.215	0.193	-	10.2	20	76	0	
Carbon disulfide	0.719	0.693	-	3.6	20	85	0	
Freon-113	0.217	0.19	-	12.4	20	70	0	
Acrolein	0.018	0.013	-	27.8*	20	64	0	NT
Methylene chloride	0.251	0.24	-	4.4	20	87	0	
Acetone	0.025	0.029	-	-16	20	106	0	
trans-1,2-Dichloroethene	0.237	0.228	-	3.8	20	84	0	
Methyl acetate	0.062	0.059	-	4.8	20	90	0	
Methyl tert-butyl ether	0.488	0.482	-	1.2	20	88	0	
tert-Butyl alcohol	0.00638	0.00759*	-	-19	20	102	0	
Diisopropyl ether	0.5	0.453	-	9.4	20	82	0	
1,1-Dichloroethane	0.411	0.389	-	5.4	20	83	0	
Halothane	0.18	0.173	-	3.9	20	84	0	
Acrylonitrile	0.033	0.029	-	12.1	20	79	0	
Ethyl tert-butyl ether	0.508	0.473	-	6.9	20	85	0	
Vinyl acetate	0.228	0.229	-	-0.4	20	89	0	
cis-1,2-Dichloroethene	0.263	0.267	-	-1.5	20	89	0	
2,2-Dichloropropane	0.319	0.32	-	-0.3	20	89	0	
Bromochloromethane	0.11	0.117	-	-6.4	20	89	0	
Cyclohexane	0.346	0.286	-	17.3	20	72	0	
Chloroform	0.429	0.416	-	3	20	86	0	
Ethyl acetate	0.09	0.081	-	10	20	82	0	
Carbon tetrachloride	0.319	0.294	-	7.8	20	77	0	
Tetrahydrofuran	0.027	0.026	-	3.7	20	87	-.01	
Dibromofluoromethane	0.263	0.268	-	-1.9	20	90	0	
1,1,1-Trichloroethane	0.366	0.354	-	3.3	20	83	0	
2-Butanone	0.035	0.035	-	0	20	93	0	
1,1-Dichloropropene	0.317	0.291	-	8.2	20	79	0	
Benzene	0.981	0.943	-	3.9	20	84	0	
tert-Amyl methyl ether	0.494	0.477	-	3.4	20	88	0	
1,2-Dichloroethane-d4	0.262	0.262	-	0	20	88	0	
1,2-Dichloroethane	0.25	0.25	-	0	20	87	0	
Methyl cyclohexane	0.436	0.383	-	12.2	20	75	0	
Trichloroethene	0.26	0.251	-	3.5	20	85	-.01	
Dibromomethane	0.122	0.123	-	-0.8	20	89	0	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	Lab Number	: L2525831
Project Name	: CONVENTUS PRR	Project Number	: U86
Instrument ID	: VOA101	Calibration Date	: 05/08/25 07:46
Lab File ID	: V01250508A01	Init. Calib. Date(s)	: 05/03/25 05/03/25
Sample No	: WG2064186-2	Init. Calib. Times	: 06:07 10:26
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
1,2-Dichloropropane	0.229	0.215	-	6.1	20	83	0	
Bromodichloromethane	0.316	0.312	-	1.3	20	88	0	
1,4-Dioxane	0.00093	0.00123*	-	-32.3*	20	113	0	NT
cis-1,3-Dichloropropene	0.346	0.338	-	2.3	20	86	-.03	
Chlorobenzene-d5	1	1	-	0	20	93	0	
Toluene-d8	1.375	1.348	-	2	20	90	0	
Toluene	0.818	0.762	-	6.8	20	83	0	
4-Methyl-2-pentanone	0.049	0.042	-	14.3	20	84	0	
Tetrachloroethene	0.331	0.319	-	3.6	20	82	-.02	
trans-1,3-Dichloropropene	10	8.568	-	14.3	20	86	-.02	
Ethyl methacrylate	0.274	0.238	-	13.1	20	86	0	
1,1,2-Trichloroethane	0.197	0.186*	-	5.6	20	85	0	
Chlorodibromomethane	0.276	0.257	-	6.9	20	86	0	
1,3-Dichloropropane	0.413	0.387	-	6.3	20	87	0	
1,2-Dibromoethane	0.214	0.207	-	3.3	20	88	0	
2-Hexanone	0.072	0.056	-	22.2*	20	79	0	
Chlorobenzene	0.921	0.866	-	6	20	87	0	
Ethylbenzene	1.603	1.485	-	7.4	20	84	0	
1,1,1,2-Tetrachloroethane	0.308	0.285	-	7.5	20	86	0	
p/m Xylene	0.605	0.585	-	3.3	20	86	0	
o Xylene	0.584	0.566	-	3.1	20	86	0	
Styrene	0.945	0.917	-	3	20	87	0	
1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0	
Bromoform	0.259	0.234	-	9.7	20	86	0	
Isopropylbenzene	3.017	2.682	-	11.1	20	83	0	
4-Bromofluorobenzene	0.968	0.935	-	3.4	20	95	0	
Bromobenzene	0.655	0.615	-	6.1	20	89	0	
n-Propylbenzene	3.525	3.19	-	9.5	20	84	0	
1,4-Dichlorobutane	0.561	0.491	-	12.5	20	86	0	
1,1,2,2-Tetrachloroethane	0.471	0.461	-	2.1	20	91	0	
4-Ethyltoluene	2.891	2.671	-	7.6	20	86	0	
2-Chlorotoluene	2.083	1.863	-	10.6	20	86	0	
1,3,5-Trimethylbenzene	2.395	2.2	-	8.1	20	86	0	
1,2,3-Trichloropropane	0.383	0.317	-	17.2	20	79	0	
trans-1,4-Dichloro-2-buten	0.086	0.046	-	46.5*	20	57	.01	NT
4-Chlorotoluene	2.105	1.936	-	8	20	88	0	
tert-Butylbenzene	2.007	1.846	-	8	20	85	0	
1,2,4-Trimethylbenzene	2.31	2.156	-	6.7	20	88	0	
sec-Butylbenzene	2.969	2.681	-	9.7	20	85	0	
p-Isopropyltoluene	2.426	2.248	-	7.3	20	86	0	
1,3-Dichlorobenzene	1.253	1.203	-	4	20	91	0	
1,4-Dichlorobenzene	1.292	1.196	-	7.4	20	90	0	
p-Diethylbenzene	1.372	1.276	-	7	20	87	0	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2525831	
Project Name	: CONVENTUS PRR		Project Number	: U86	
Instrument ID	: VOA122		Calibration Date	: 05/08/25 08:08	
Lab File ID	: V22250508A02		Init. Calib. Date(s)	: 04/05/25	04/06/25
Sample No	: WG2065078-2		Init. Calib. Times	: 16:58	11:37
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
Fluorobenzene	1	1	-	0	20	74	0	
Dichlorodifluoromethane	0.164	0.17	-	-3.7	20	72	0	
Chloromethane	0.229	0.191	-	16.6	20	56	0	
Vinyl chloride	0.199	0.169	-	15.1	20	60	0	
Bromomethane	0.062	0.066	-	-6.5	20	90	0	
Chloroethane	0.102	0.104	-	-2	20	67	0	
Trichlorofluoromethane	0.19	0.236	-	-24.2*	20	87	0	
Ethyl ether	0.06	0.053	-	11.7	20	64	0	
1,1-Dichloroethene	0.115	0.127	-	-10.4	20	76	0	
Carbon disulfide	0.414	0.408	-	1.4	20	69	0	
Freon-113	0.119	0.138	-	-16	20	81	0	
Acrolein	0.017	0.014	-	17.6	20	55	0	
Methylene chloride	0.14	0.143	-	-2.1	20	73	0	
Acetone	0.029	0.024	-	17.2	20	59	0	
trans-1,2-Dichloroethene	0.132	0.141	-	-6.8	20	75	0	
Methyl acetate	0.076	0.061	-	19.7	20	61	0	
Methyl tert-butyl ether	0.248	0.22	-	11.3	20	64	0	
tert-Butyl alcohol	0.00581	0.00537*	-	7.6	20	69	0	
Diisopropyl ether	0.491	0.383	-	22*	20	56	0	NT
1,1-Dichloroethane	0.289	0.269*	-	6.9	20	65	0	
Halothane	0.098	0.117	-	-19.4	20	86	0	
Acrylonitrile	0.034	0.031	-	8.8	20	63	0	
Ethyl tert-butyl ether	0.341	0.287	-	15.8	20	63	0	
Vinyl acetate	0.268	0.181	-	32.5*	20	52	0	NT
cis-1,2-Dichloroethene	0.141	0.155*	-	-9.9	20	76	0	
2,2-Dichloropropane	0.187	0.197	-	-5.3	20	75	0	
Bromochloromethane	0.062	0.08*	-	-29*	20	89	0	NT
Cyclohexane	0.299	0.274	-	8.4	20	62	0	
Chloroform	0.24	0.238*	-	0.8	20	73	0	
Ethyl acetate	0.093	0.073	-	21.5*	20	59	0	NT
Carbon tetrachloride	0.178	0.222	-	-24.7*	20	88	0	
Tetrahydrofuran	0.03	0.025	-	16.7	20	56	0	
Dibromofluoromethane	0.275	0.319	-	-16	20	84	0	
1,1,1-Trichloroethane	0.198	0.225	-	-13.6	20	79	0	
2-Butanone	0.04	0.036	-	10	20	72	0	
1,1-Dichloropropene	0.178	0.159	-	10.7	20	64	0	
Benzene	0.519	0.475	-	8.5	20	66	0	
tert-Amyl methyl ether	0.242	0.199	-	17.8	20	64	0	
1,2-Dichloroethane-d4	0.303	0.292	-	3.6	20	71	0	
1,2-Dichloroethane	0.173	0.161	-	6.9	20	69	0	
Methyl cyclohexane	0.236	0.197	-	16.5	20	67	0	
Trichloroethene	0.141	0.146*	-	-3.5	20	78	0	
Dibromomethane	0.053	0.061	-	-15.1	20	84	0	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2525831	
Project Name	: CONVENTUS PRR		Project Number	: U86	
Instrument ID	: VOA122		Calibration Date	: 05/08/25 08:08	
Lab File ID	: V22250508A02		Init. Calib. Date(s)	: 04/05/25	04/06/25
Sample No	: WG2065078-2		Init. Calib. Times	: 16:58	11:37
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
1,2-Dichloropropane	0.152	0.129*	-	15.1	20	60	0	
Bromodichloromethane	0.172	0.169*	-	1.7	20	70	0	
1,4-Dioxane	0.00064	0.00069*	-	-7.8	20	78	0	
cis-1,3-Dichloropropene	0.191	0.172*	-	9.9	20	67	0	
Chlorobenzene-d5	1	1	-	0	20	83	0	
Toluene-d8	1.352	1.24	-	8.3	20	77	0	
Toluene	0.429	0.389	-	9.3	20	74	0	
4-Methyl-2-pentanone	10	6.689	-	33.1*	20	62	0	
Tetrachloroethene	0.174	0.204	-	-17.2	20	96	0	
trans-1,3-Dichloropropene	0.204	0.16*	-	21.6*	20	67	0	
Ethyl methacrylate	0.123	0.081	-	34.1*	20	62	0	NT
1,1,2-Trichloroethane	0.098	0.079*	-	19.4	20	67	0	
Chlorodibromomethane	0.139	0.144*	-	-3.6	20	86	0	
1,3-Dichloropropane	0.211	0.164	-	22.3*	20	64	0	NT
1,2-Dibromoethane	0.107	0.102*	-	4.7	20	79	0	
2-Hexanone	0.063	0.041	-	34.9*	20	61	0	
Chlorobenzene	0.484	0.486	-	-0.4	20	82	0	
Ethylbenzene	0.832	0.74	-	11.1	20	71	0	
1,1,1,2-Tetrachloroethane	0.152	0.161	-	-5.9	20	89	0	
p/m Xylene	0.312	0.307	-	1.6	20	78	0	
o Xylene	0.3	0.287	-	4.3	20	76	0	
Styrene	20	18.011	-	9.9	20	78	0	
1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0	
Bromoform	10	9.533	-	4.7	20	95	0	
Isopropylbenzene	1.594	1.417	-	11.1	20	75	0	
4-Bromofluorobenzene	0.919	0.776	-	15.6	20	75	0	
Bromobenzene	0.351	0.371	-	-5.7	20	92	0	
n-Propylbenzene	1.904	1.595	-	16.2	20	70	0	
1,4-Dichlorobutane	0.471	0.35	-	25.7*	20	66	0	NT
1,1,2,2-Tetrachloroethane	0.256	0.197*	-	23*	20	69	0	
4-Ethyltoluene	1.488	1.364	-	8.3	20	77	0	
2-Chlorotoluene	1.125	0.943	-	16.2	20	71	0	
1,3,5-Trimethylbenzene	1.228	1.121	-	8.7	20	78	0	
1,2,3-Trichloropropane	0.21	0.157	-	25.2*	20	69	0	NT
trans-1,4-Dichloro-2-buten	0.078	0.056	-	28.2*	20	65	0	NT
4-Chlorotoluene	1.154	0.982	-	14.9	20	73	0	
tert-Butylbenzene	1.263	1.059	-	16.2	20	70	0	
1,2,4-Trimethylbenzene	1.361	1.268	-	6.8	20	79	0	
sec-Butylbenzene	1.63	1.504	-	7.7	20	77	0	
p-Isopropyltoluene	10	9.032	-	9.7	20	81	0	
1,3-Dichlorobenzene	0.725	0.766	-	-5.7	20	91	0	
1,4-Dichlorobenzene	0.722	0.744	-	-3	20	90	0	
p-Diethylbenzene	0.822	0.733	-	10.8	20	81	0	

* Value outside of QC limits.

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).