2022 PERIODIC REVIEW REPORT

FORMER BUFFALO CHINA SITE
NYSDEC ID: C915209

16-344-1389

Prepared for:

Hayes Place Management Group, Inc.
57-75 Hayes Place
Buffalo, New York 14210

Prepared by:

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York 14209

Revised – January 31, 2023

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1.0 Introduction

1.1 Background Information

The Former Buffalo China (Site) is located at 51 Hayes Place in Buffalo, New York (Figure 1.1). The Site consists of the following properties:

Parcel Address	*Parcel No.*	*Section No.*	*Block No.*	*Lot No.*
51 Hayes Place, Buffalo, NY, 14210	123	9	4	2
75 Hayes Place, Buffalo, NY, 14210	123	9	4	17
55 Hayes Place, Buffalo, NY, 14210	123	9	4	16.2
151 Harrison Street, Buffalo, NY, 14210	123	38	3	1
133 Harrison Street, Buffalo, NY, 14210	123	38	2	39
70 Lester Street, Buffalo, NY, 14210	123	38	2	1.1

The properties and facility are currently owned by Hayes Place Management Group, Inc. (HPMG). The building onsite is currently being used for a curling center, a distillery manufacturing spirits, and warehousing. Remediation of the Site was completed in 2012 under the oversight of the New York State Department of Environmental Conservation (NYSDEC) in accordance with Brownfield Cleanup Agreement (BCA) Index #B9-0732-06-11, Site #C-915209. A Site Management Plan (SMP) was developed upon completion of the remedial construction to ensure implementation and management of the institutional controls (ICs) and engineering controls (ECs) in place at the Site. This Periodic Review Report (PRR) is being prepared to certify that site management activities are being conducted in accordance with the SMP.

Site remedial activities were performed in accordance with the NYSDEC-approved Remedial Action Work Plan dated September 2010.

The following is a summary of the Remedial Actions completed at the Site and ongoing operations and monitoring activities:

- Excavation and off-Site disposal of unsaturated soils that exhibited concentrations of VOCs, SVOCs, and metals in excess of applicable NYSDEC standards or objectives. These soils were located primarily on the south and west sides of the Harrison Street warehouse.
- Backfill and restoration of the excavated area similar to pre-excavation conditions.
- Monitored natural attenuation of VOCs and SVOCs in some discrete areas and institutional and engineering controls to minimize exposures to metals in Site soils.
- In situ treatment through chemical oxidation (ISCO) of on-Site and off-Site groundwater impacted by VOCs.
- Groundwater monitoring to evaluate the effectiveness of the remedy.

Remedial activities conducted at the Site were completed in April 2012. Further details regarding the remediation of the Site are included in the Final Engineering Report (CRA, 2012). The NYSDEC issued the Certificate of Completion (COC) to Buffalo China in December 2012.

In addition to the remedial actions that were undertaken on the property, the following actions were also implemented in order to prevent exposure to any impacted soil remaining on-Site:

- Development of institutional and engineering controls including execution of an Environmental Easement to restrict land use and prevent further exposure to any contamination remaining at the Site.
- Development and implementation of a SMP for long term management of remaining contamination as required by the Environmental Easement, which includes plans for (1) Institutional and Engineering Controls, (2) excavation and soil management in the Post-Remediation Excavation Work Plan, (3) monitoring, (4) operation and maintenance, and (5) reporting.
- Annual Certification of the institutional and engineering controls.

The SMP, designed to serve as a work plan for Site monitoring and maintenance, was prepared in November 2012 and approved by NYSDEC in December 2012.

This report presents the results of one Site Inspection and one groundwater monitoring event performed in November 2022. The report is organized as follows:

- Section 1 – Introduction: The background and brief remedial history of the Site.
- Section 2 – Engineering and Institutional Controls: The ECs and ICs for the Site are described.
- Section 3 – Inspections and Maintenance Activities: Activities performed during the current reporting period and their results.
- Section 4 – Operations and Maintenance: Discussion of groundwater treatment monitoring data and analytical results generated from the various monitoring events.
- Section 5 – Conclusions and Recommendations: Conclusions and recommendations based upon the data and results of the current monitoring period.

2.0 Engineering and Institutional Controls

Engineering controls are required to protect human health and the environment because impacted groundwater and some impacted soils are present at the Site. Figure 2.1 shows the Site layout and Figures 2.2 and 2.3 show the various EC systems in place at the Site.

2.1 Engineering Controls (ECs)

The purpose of the EC systems are to eliminate the potential for human contact with soils exceeding industrial use soil cleanup objectives, prevent percolation of precipitation through the impacted fill, and minimize the potential for contaminated runoff from the Site. The EC systems in place at the Site consist of the following:

- Cover System: Existing buildings and pavement at the Site form the Site cover, preventing exposure to soil exceeding industrial levels. The existing buildings and pavement at the Site that form the Site Cover Systems are shown on Figure 2.2.
- Soil Cover: In the absence of Site development, a soil cover is required in areas where the upper 1 foot of exposed surface soil exceeds the applicable SCOs. Since no areas where the upper 1 foot of exposed soil exceeds the applicable SCOs were left after the remedial activities, excavated areas were backfilled with imported clean fill and stone to existing grades. In the event that a soil cover is required at a later date (i.e. demolition of a building or paved area without replacement or restoration, regrading of undeveloped areas), the soil cover will consist of a minimum of 1 foot of soil meeting the SCOs for commercial use.
- Groundwater Treatment System: An injection piping gallery and overburden and bedrock injection wells have been installed for the distribution of oxidants and nutrients as part of the chemical oxidation and enhanced biodegradation components of the Site remedy for groundwater. The in situ groundwater treatment program began in April 2012.
- Groundwater Monitoring: Groundwater monitoring activities to assess the effectiveness of chemical oxidation, enhanced biodegradation, and natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment, and/or control measures will be evaluated. The groundwater monitoring program began in June 2012.
- Soil Vapor Intrusion (SVI) Mitigation System Operation and Maintenance: A sub-slab depressurization system has been installed off-Site at a residence located at 127 Harrison Street to minimize the potential for exposures through SVI.

2.2 Institutional Controls (ICs)

The purpose of the ICs are to:

- Implement, maintain, and monitor the ECs.

- Prevent future exposure to remaining on-Site contamination by controlling disturbance of the subsurface contamination.
- Limit the use and development of portions of the Site to industrial uses only.

The ICs that have been established for the Site must be:

- In compliance with the Environmental Easement and the SMP by the Grantor (Hayes Place Management Group, Inc.) and the Grantor's successors and assigns.
- Operated and maintained as specified in the SMP.
- Inspected at a frequency and in a manner defined in the SMP.

Data and information pertinent to the management of the Site must be reported at the frequency and in a manner defined in the SMP.

Adherence to the ICs is required by the Environmental Easement. The ICs may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The Site has a series of ICs in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- Property Use: The property may only be used for industrial use, provided that the long-term ECs and ICs included in the SMP are adhered to. The property may not be used for a higher level of use, such as unrestricted, restricted residential, or commercial use without additional evaluation (including possible additional remediation) and amendment of the Environmental Easement, as approved by the NYSDEC.
- Prohibition of Groundwater Use: The use of groundwater underlying the property as a source of potable water is prohibited without treatment rendering it safe for the intended use as determined by the NYSDEC, NYSDOH, or the Erie County Health Department.
- Prohibition of Vegetable Gardening: Vegetable gardens and farming on the property are prohibited.
- Annual Certification: The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that:

    a. Controls employed at the Site are unchanged from previous certification or that any changes to the controls were approved by the NYSDEC.
    b. Nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitutes a violation or failure to comply with the SMP. NYSDEC retains the right to access the Site at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

3.0 Inspections and Maintenance Activities

A comprehensive Site-wide inspection is required to be conducted annually, as specified in the SMP. The intent of the annual inspection is to determine whether:

- The ECs continue to perform as designed.
- The ECs continue to be protective of human health and the environment.
- The Site is operated and maintained in compliance with the SMP and Environmental Easement.
- The remedial performance criteria have been achieved.
- Sampling and analysis of appropriate media were conducted.
- Site records are complete and current.
- Changes to the remedial systems or monitoring are needed.

The O&M activities were initiated in 2015 by GHD Consulting Services, Inc. (GHD). Upon transfer of the property ownership to Hayes Place Management Group, Inc., LiRo Engineers, Inc. (LiRo) was retained in 2016 by HPMG to continue operation and maintenance and monitoring activities.

LiRo conducted the annual comprehensive Site inspection on November 7, 2022. The following sections discuss the findings of the 2022 inspection. The completed Site Inspection Form is provided as Appendix A to this report. Site photographs taken at the time of the inspection are provided as Appendix B to this report.

3.1 Asphalt Pavement/Concrete Cover System

The areas of pavement and concrete cover systems to be maintained are shown on Figure 2.2. These areas were observed for damage and deterioration and no deficiencies were observed.

3.1.1 Corrective Action

No damage or deterioration was noted during the inspection. No corrective action is necessary for the Asphalt Pavement/Concrete Cover System at this time.

3.2 Surface Soil/Stone Cover System

Excavated areas were backfilled with imported clean fill and stone to existing grades. These areas were observed for erosion and animal burrows.

3.2.1 Corrective Action

No erosion or animal burrows were observed during the Site inspection. No corrective action is necessary for the surface soil/stone cover system at this time.

3.3 SVI Mitigation System at 127 Harrison Street

Mitigation of SVI at the off-Site residence located at 127 Harrison Street was addressed as an interim remedial measure (IRM) in accordance with the IRM Work Plan for the installation of a sub slab depressurization system dated July 25, 2011 (CRA).

The mitigation IRM was implemented on August 4, 2011 and included installation of a RADONAWAY RP-145 centrifugal in-line fan to provide sub-slab depressurization, sealing of floor cracks, score lines, and other openings to sub-slab with urethane sealant, and installation of a Lexan cover and airtight drain over the sump crock. Post mitigation sampling was conducted in December 2011. Details of the IRM and post mitigation sampling are provided in the FER (CRA, December 2012).

The SVI mitigation system was inspected on December 1, 2022. The SVI system inspection found that the mechanical system is in good working order. Field extension testing of the system indicates a vacuum of greater than 1 inch of water column is being generated which is greater than the 0.4 inches of water column that was generated upon system startup in 2011. No new cracks or cracks requiring repair were identified in the basement floor and the sump crock cover remains sealed. A copy of the field inspection form is contained in Appendix A.

4.0 Operations and Maintenance

4.1 In Situ Groundwater Treatment

The in situ chemical oxidation (ISCO) program began in April 2012. The groundwater treatment system consists of 10 horizontal injection piping galleries and 29 injection wells (22 overburden wells and 7 bedrock wells). The oxidant solution utilized for the in situ groundwater treatment program is sodium hydroxide (NaOH)-activated sodium persulfate. Injections were completed in April 2012, July 2012, October 2012, January 2013, April 2013, July 2013, August 2015, and March 2017.

During this reporting period, no ISCO injections were completed.

4.2 Groundwater Monitoring

4.2.1 Monitoring Well Inspection

Monitoring well inspections were conducted in conjunction with the November 2022 groundwater sampling and the Site-wide inspection performed on November 8, 2021. The locations of the groundwater monitoring wells are shown on Figure 2.3. The inspections of the monitoring wells included the condition of well caps, J-plugs, seals, concrete collars, and visible portions of the well casings. Monitoring well conditions are noted on the Site Inspection Form presented in Appendix A.

The majority of wells were noted to be in good condition. Three wells (MW-7, MW-7A, and MW-11) had damaged curb boxes in need of replacement. The damaged curb boxes have been dug out and the well casings have been protected. Replacement curb boxes have been ordered and will be installed upon arrival. Based on weather conditions, it is anticipated that the curb box repairs will be completed by mid-February.

4.2.2 Groundwater Elevations

As part of the monitoring activities described in the SMP, water levels were measured in each monitoring well using an electronic water level meter. Water level measurements are summarized in Table 4.1. Groundwater surface elevation contour maps are provided as Figure 4.1 (overburden) and Figure 4.2 (bedrock). Monitoring well MW-14A was not measured due to not receiving access permission from the property owner. Attempts were made to contact the property owner by cell phone/text messaging and by stopping at the property several times during sampling. The property owner was unresponsive to phone messages and did not respond at the property during in person visits.

4.2.3 Groundwater Sampling

Fourteen groundwater sampling events have been performed by CRA/GHD and LiRo since the inception of the in situ chemical oxidation program. Groundwater samples were collected and analyzed in June 2012, September 2012, December 2012, March 2013, June 2013, September 2013, April 2015, October 2015, September/October 2016, February 2018, February 2019, August 2020, November 2021, and November 2022. Additionally, samples were collected from MW-6A, MW-20, and MW-20A in December 2012, March, June and September 2013, and October 2015. These wells were not part of the monitoring well network specified in the SMP but were used to assess conditions east of MW-6 based on the lower than expected acceptance rate for the oxidant in that area. Monitoring well MW-20A has continued to be used for groundwater sampling since the October 2015 sampling event.

Currently, groundwater sampling consists of the collection of samples from all SMP monitoring wells for analysis of target compound list (TCL) volatile organic compounds (VOCs) and field parameters (pH, conductivity, oxidation-reduction potential (ORP), dissolved oxygen (DO), temperature, and turbidity). In addition, samples are collected from the overburden and bedrock plume wells for field analysis of sodium persulfate. Purge Logs are presented in Appendix H.

One monitoring well, MW-14A was not sampled during the November 2022 groundwater sampling event. As noted in Section 4.2.1 of this report, this well could not be accessed due to not receiving permission from the property owner.

4.3 Groundwater Data Evaluation

The groundwater analytical data generated during this reporting period (November 2022) are summarized in the following tables:

- Table 4.2 – VOCs in perimeter wells.
- Table 4.3 – VOCs in overburden plume wells.
- Table 4.4 – VOCs in bedrock plume wells.

The analytical data report is provided electronically as Appendix D. A quality assurance/quality control (QA/QC) review of the analytical data was conducted by a qualified third party data validator. Based on the data evaluation, all data were found to be acceptable for use with the "J" (estimated value), "UJ" (estimated non-detect value), and "R" (re-analyzed) qualifiers as noted in the DUSR. The Data Usability Summary Report (DUSR) is presented in Appendix E.

VOCs in Perimeter Wells: The perimeter monitoring wells were monitored for VOCs only. A review of the data presented in Table 4.2, with the exception of detections of vinyl chloride and cis-1,2-dichloroethene at MW-7A, shows that all results for VOCs in November 2022 were either non-detect or below the NYS groundwater cleanup standards. At MW-7A, vinyl chloride was detected at 71 µg/L (the NYS Standard for vinyl chloride is 2 µg/L) and cis-1,2-dichloroethene was detected at 120 µg/L (the NYS Standard for cis-1,2-dichloroethene is 5 µg/L). Vinyl chloride and cis-1,2-dichloroethene have previously been detected at concentrations exceeding NYS groundwater cleanup standards at MW-7A.

Total VOC concentration versus time plots were generated for each of the perimeter monitoring wells. Trendlines have been added to the plots. The plots are presented in Appendix F of this report.

VOCs in Plume Wells: Specific VOC compounds to be monitored in overburden and bedrock plume wells are listed in Table 4.2 of the SMP. These compounds include:

- 1,1-Dichloroethene (1,1-DCE)
- 1,2-Dichloroethane (1,2-DCA)
- Acetone
- Cis-1,2-Dichloroethene (cis-1,2-DCE)
- Methylene Chloride
- Tetrachloroethene (PCE)
- Toluene
- Trans-1,2-Dichloroethene (trans-1,2-DCE)
- Trichloroethene (TCE)
- Vinyl Chloride (VC)

Overburden Plume Wells: There are four monitoring wells used to monitor the overburden groundwater plume, these are MW-5R, MW-6, MW-11, and MW-19R. Table 4.3 presents the monitoring results for the overburden plume wells.

Total VOC concentration versus time plots were generated for each of the overburden plume monitoring wells. Trendlines have been added to the total VOC concentration versus time plots. In addition, concentration versus time plots were generated for each of the six persistent VOCs that had an exceedance of the NYS groundwater standard since the last sampling event performed during the Remedial Investigation phase of the project (July 2009). The plots are presented in Appendix F of this report. The total VOC concentration versus time plots indicate a decrease in VOC concentrations in three out of four of these wells. Notable exceptions are evident with individual chemicals as shown on the concentration versus time plots. Between November 2021 and November 2022, the following can be seen on the concentration versus time plots: increases in TCE in MW-5R and MW-11, increases in cis-1,2-DCE in MW-5R, MW-6, and MW-19R, increases in trans-1,2-DCE in MW-19R, and, increases in vinyl chloride in MW-5R, MW-6, and MW-19R..

Bedrock Plume Wells: There are six monitoring wells used to monitor the bedrock groundwater plume, these are MW-5AR, MW-13A, MW-14A, MW-19AR, MW-20A and MW-21A. Table 4.4 presents the VOC results for the bedrock plume monitoring wells.

Total VOC concentration versus time plots were generated for each of the bedrock plume monitoring wells. Trendlines have been added to the total VOC concentration versus time plots. In addition, concentration versus time plots were generated for each of the nine VOCs that had an exceedance of the NYS groundwater standard since the last sampling event performed during the Remedial Investigation phase of the project (July 2009). The plots are presented in Appendix F of this report. The total VOC concentration versus time plots indicate a decrease in overall VOC concentrations in these wells with the exception of MW-20A, which indicates an increase. Notable exceptions are observed with individual chemicals as shown on the concentration versus time plots. Between November 2021 and November 2022, the following can be seen on the concentration versus time plots: increases in concentrations of cis-

1,2-DCE and trans-1,2-DCE in MW-19AR, MW-20A, and MW-21A, increases in concentration of vinyl chloride in MW-13A, MW-19AR, and MW-21A, increases in concentration of TCE in MW-19AR.

Sodium Persulfate in Plume Wells: A sample was collected from each of the plume wells for field analysis of sodium persulfate using Peroxychem's Klozur Field Test Kit-K. Sodium persulfate was not detected in any of the 9 plume wells that were sampled.

Overburden plume well pH values ranged from 7.41 to 7.98 standard units (s.u.) and bedrock plume well pH values ranged from 7.24 to 7.86 s.u.. A pH of 10.5 s.u. is needed in order to activate the sodium persulfate if any remains within the treatment area.

5.0 Conclusions and Recommendations

The annual inspection and monitoring activities performed during this reporting period found that:

- The asphalt and stone cover systems are in good condition.
- The inspection of the SVI system and basement floor at 127 Harrison Street indicated that the system is in good working order and developing a vacuum in excess of 1 inch of water column. The SVI system developed 0.4 inches of water column when operation started in 2011. No new cracks or cracks requiring repair were observed in the basement floor and the sump crock is sealed.
- Groundwater surface elevation contours indicate that the groundwater flow patterns across the Site remain consistent with previous hydraulic monitoring events.
- With the exception of detections of vinyl chloride and cis-1,2-DCE at MW-7A, VOCs in the perimeter wells are either non-detect or below NYS groundwater standards, indicating that the plume has not migrated beyond the previously established perimeter.
- Total VOC concentrations have been reduced to below the target concentration of 1,000 µg/L in two of the four overburden plume wells (MW-11 and MW-19R). The total VOC concentration of 1,103.2 µg/L in MW-5R is very near the target concentration of 1,000 µg/L.
- Total VOC concentrations have been reduced to below the target concentration of 1,000 µg/L in one of the six bedrock plume wells (MW-21A). The total VOC concentrations of between 1,610 µg/L and 6,653 µg/L in the other 5 bedrock plume wells have not been reduced to an acceptable level to begin the in-situ enhanced biodegradation program.
- Sodium Persulfate was not detected in any of the plume monitoring wells during the November 2022 sampling event.
- Groundwater pH was below 10.5 s.u. in all monitoring wells.

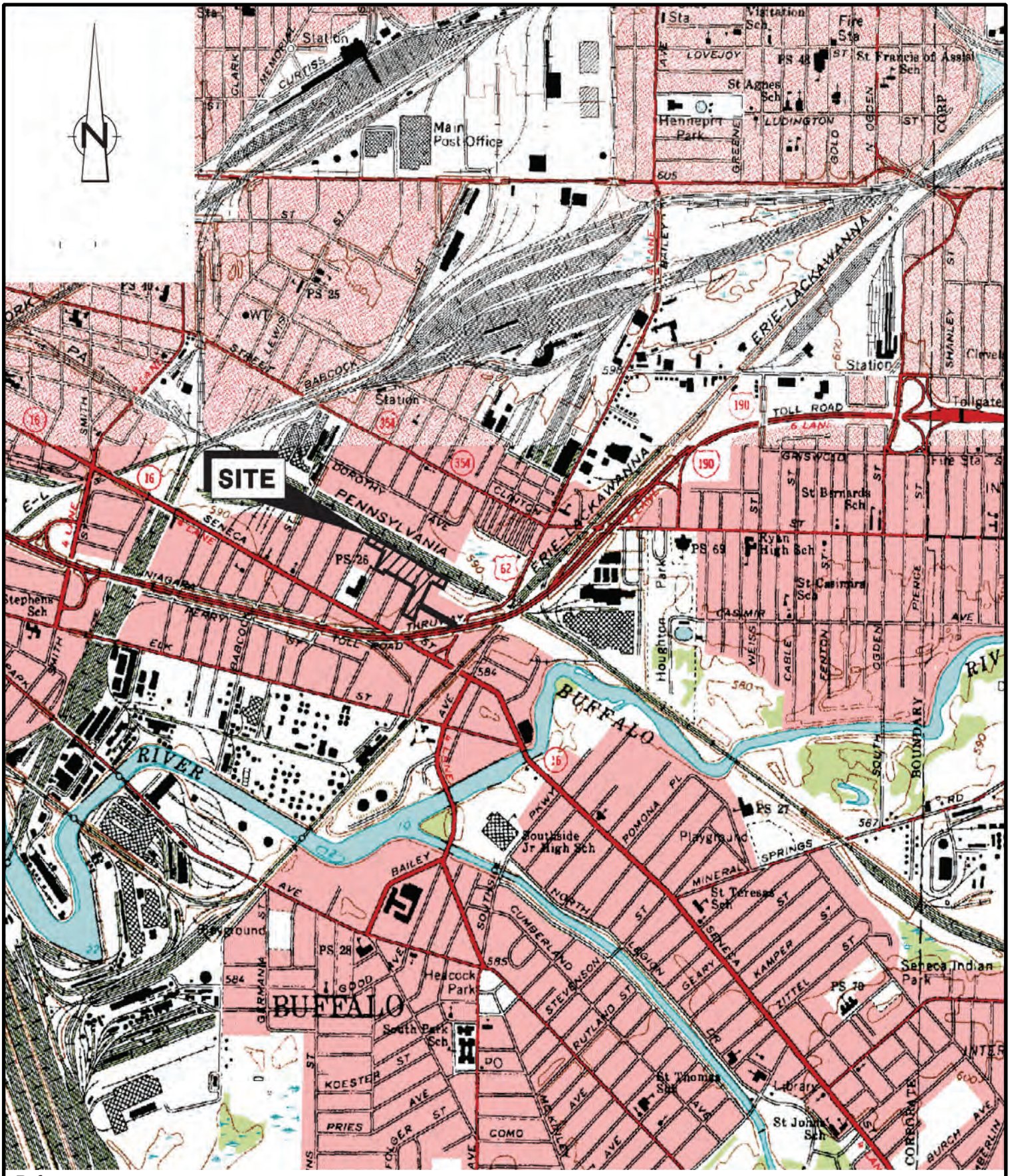
The identified maintenance issues (minor well pad issues) in the 2021 PRR are ongoing and are anticipated to be completed by mid-February.

Based on the groundwater monitoring data, the remedial actions completed have been effective in preventing further off-Site migration of impacted groundwater. However, the VOC concentrations have not been reduced at all monitoring locations to levels amenable to begin the ISEB program at this time. Annual groundwater monitoring should be continued. HPMG is currently evaluating a pilot study that was conducted at a local site with similar contamination and geology. The treatment utilized an injection of zero valent iron, soy lactate, and anaerobic bacteria. A report of the pilot study is anticipated during the second quarter of 2023. Once the report is available, it will be reviewed to determine the effectiveness of the treatment and whether or not the treatment could be applied at the former Buffalo China Site. If the approach is feasible and cost effective, we anticipate that we would send a proposal for advancing the site remediation to NYSDEC during the fourth quarter of 2023.

6.0 Certification

The PRR Certification Form is attached as Appendix G. Box 2, question 6 is answered "No" based on current use of a portion of the site and therefore, the IC Certification is not signed. A Corrective Action Work Plan detailing the studies needed to support a change in use was submitted in March 2021 and those studies were completed and reported on in July 2021. The revision to the Environmental Easement is in process.

Figures



Reference:
UNITED STATES GEOLOGIC SURVEY BUFFALO NE, BUFFALO SE QUAD, NY
TOPOGRAPHIC, 7.5 MINUTES SERIES 1965 ~ SCALE: 1:24,000

LiRo-Engineers, Inc.
690 Delaware Ave.
Buffalo, New York

Former Buffalo China Site
SITE LOCATION MAP

FIGURE NO.

1.1

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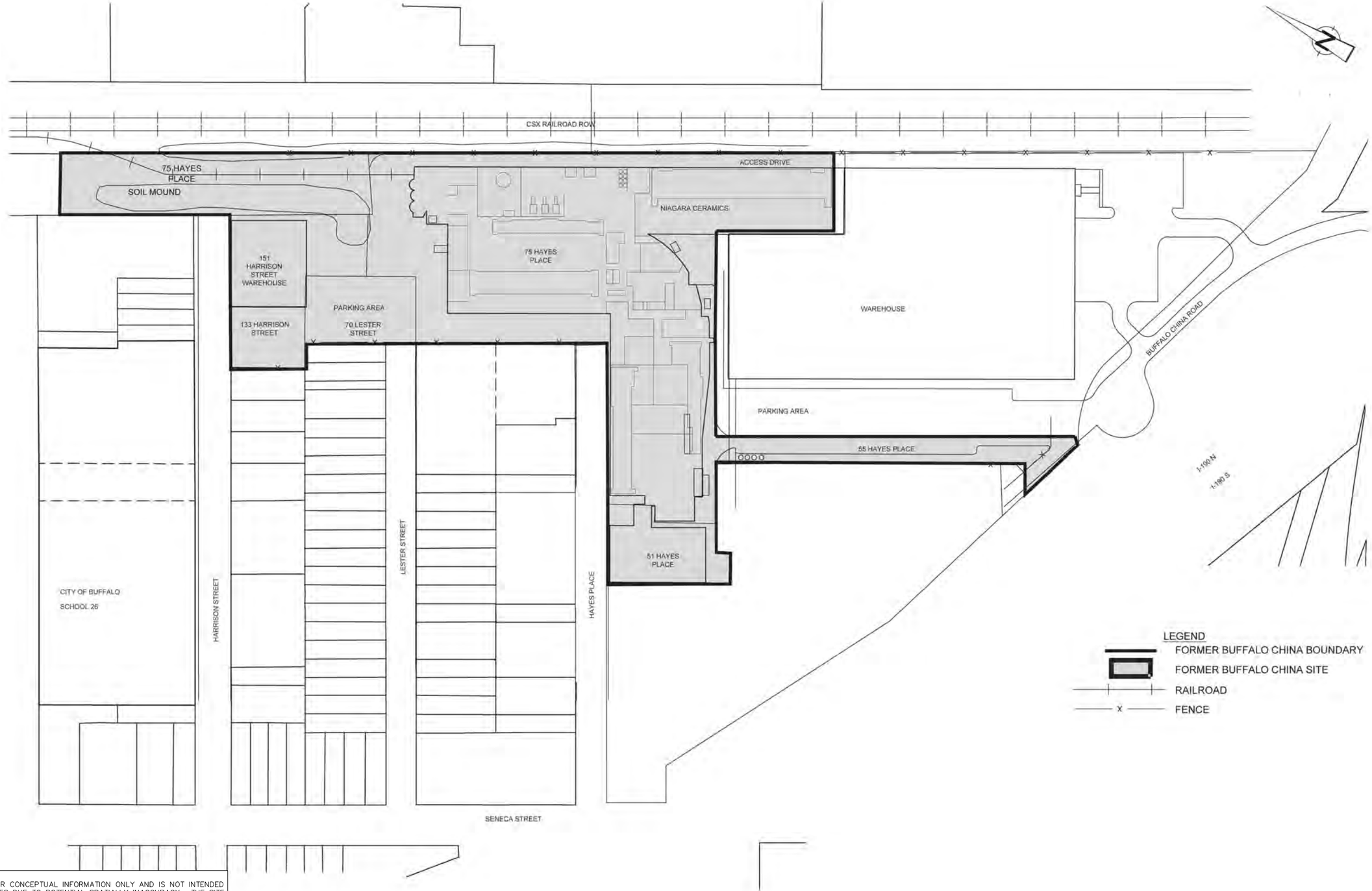

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NO.	DATE	DESCRIPTION
		REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	CLIENT: HAYES PLACE MANAGEMENT GROUP, INC.	JOB TITLE AND LOCATION: FORMER BUFFALO CHINA	LIRO JOB NO.: 16–344–1389
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DRAWN BY: A.M.K.	DATE: DECEMBER 2022	SCALE: NOT TO SCALE	

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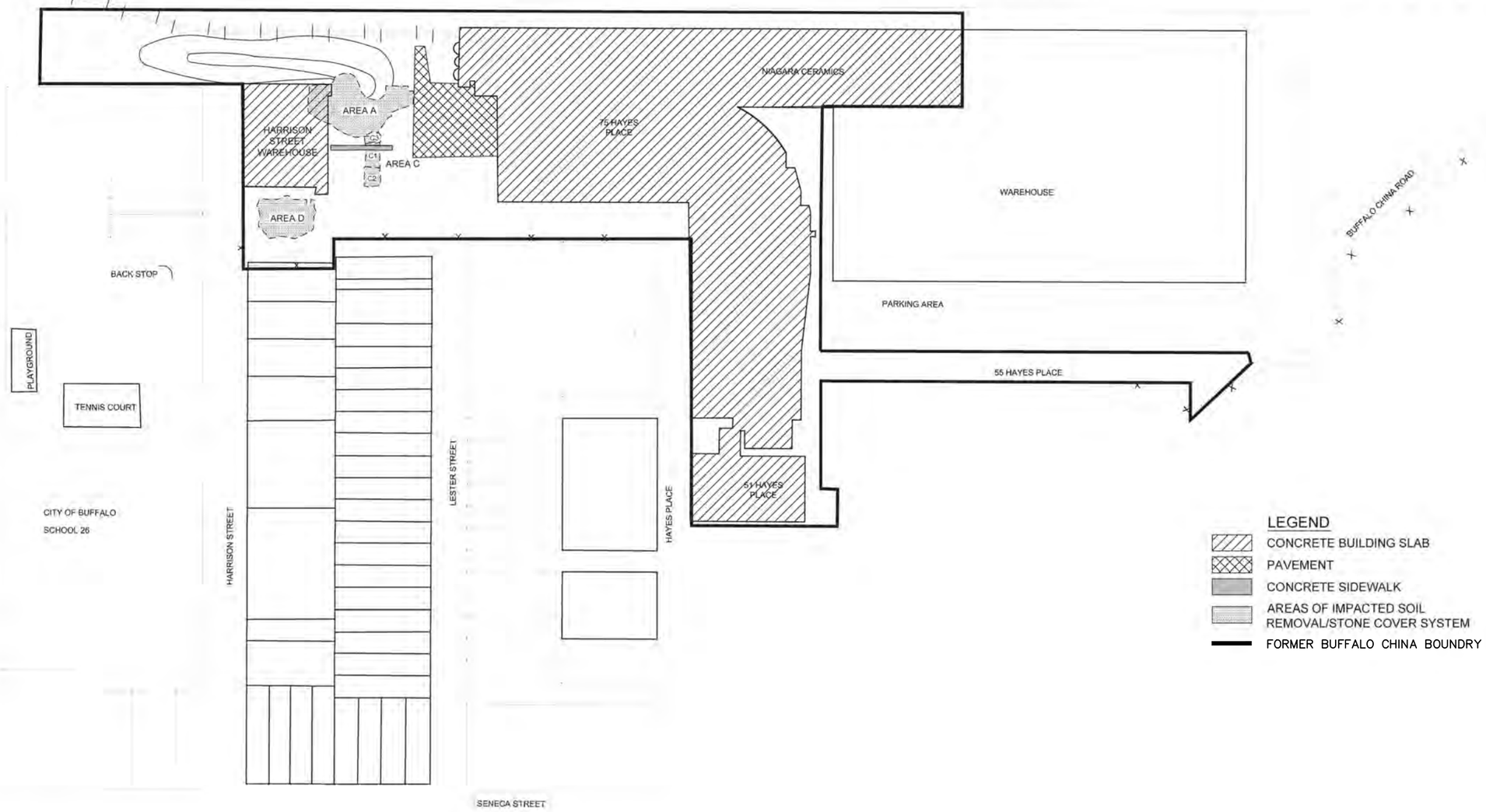

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NO.	DATE	DESCRIPTION
		REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	
DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	A.M.K.
CLIENT:	HAYES PLACE MANAGEMENT GROUP, INC.
DATE:	DECEMBER 2022
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DRAWING TITLE:	EXISTING SITE COVER TO BE MAINTAINED
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FIGURE NO.	2.2

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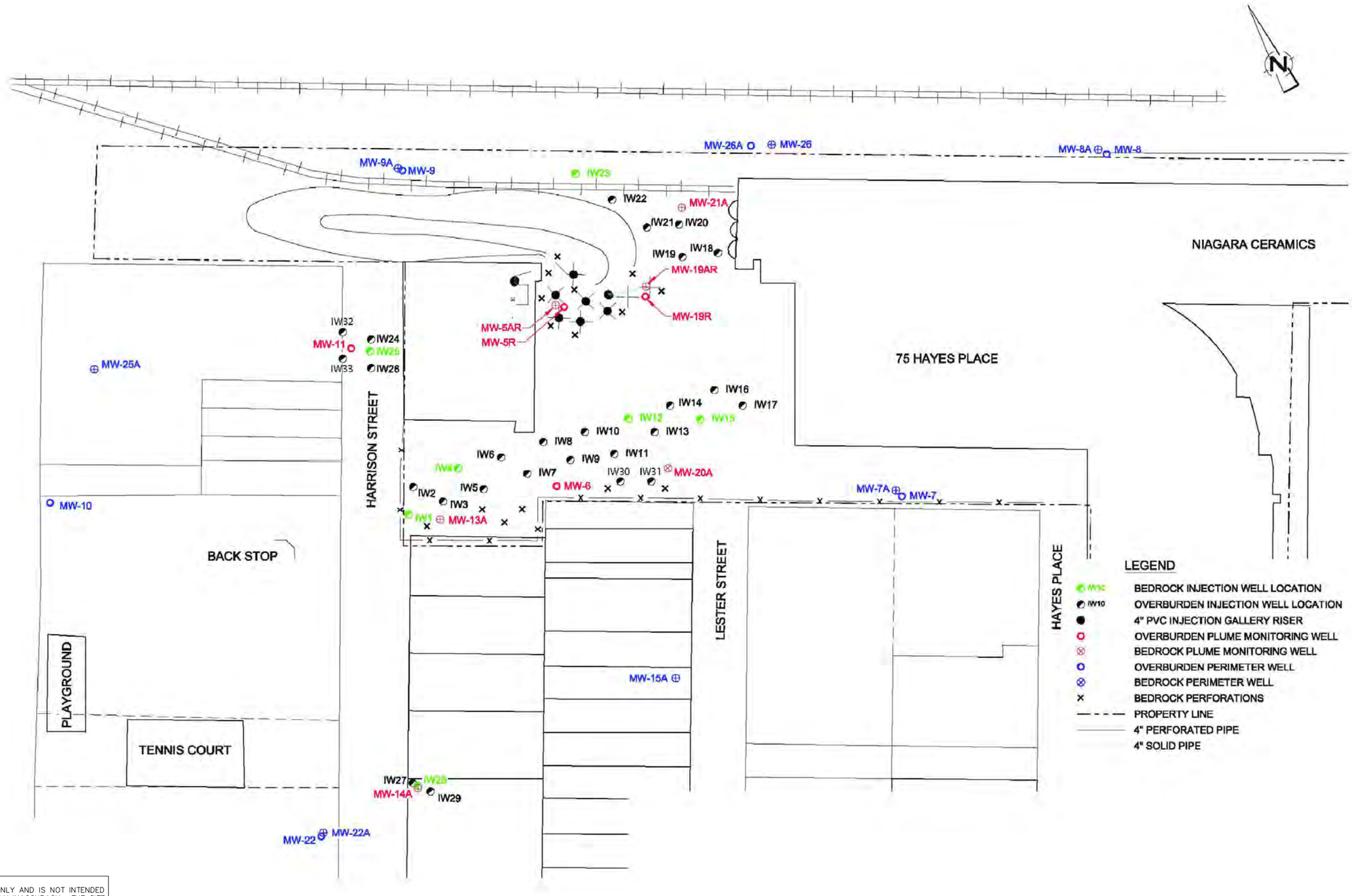

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NO.	DATE	DESCRIPTION
		REVISIONS

Liro Engineers, Inc.
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Buffalo, New York

PROJ. ENG.:	CLIENT: HAYES PLACE MANAGEMENT GROUP, INC.	JOB TITLE AND LOCATION: FORMER BUFFALO CHINA	LIRO JOB NO.: 16-344-1389
DESIGNED BY:			SHEET 4 OF 4
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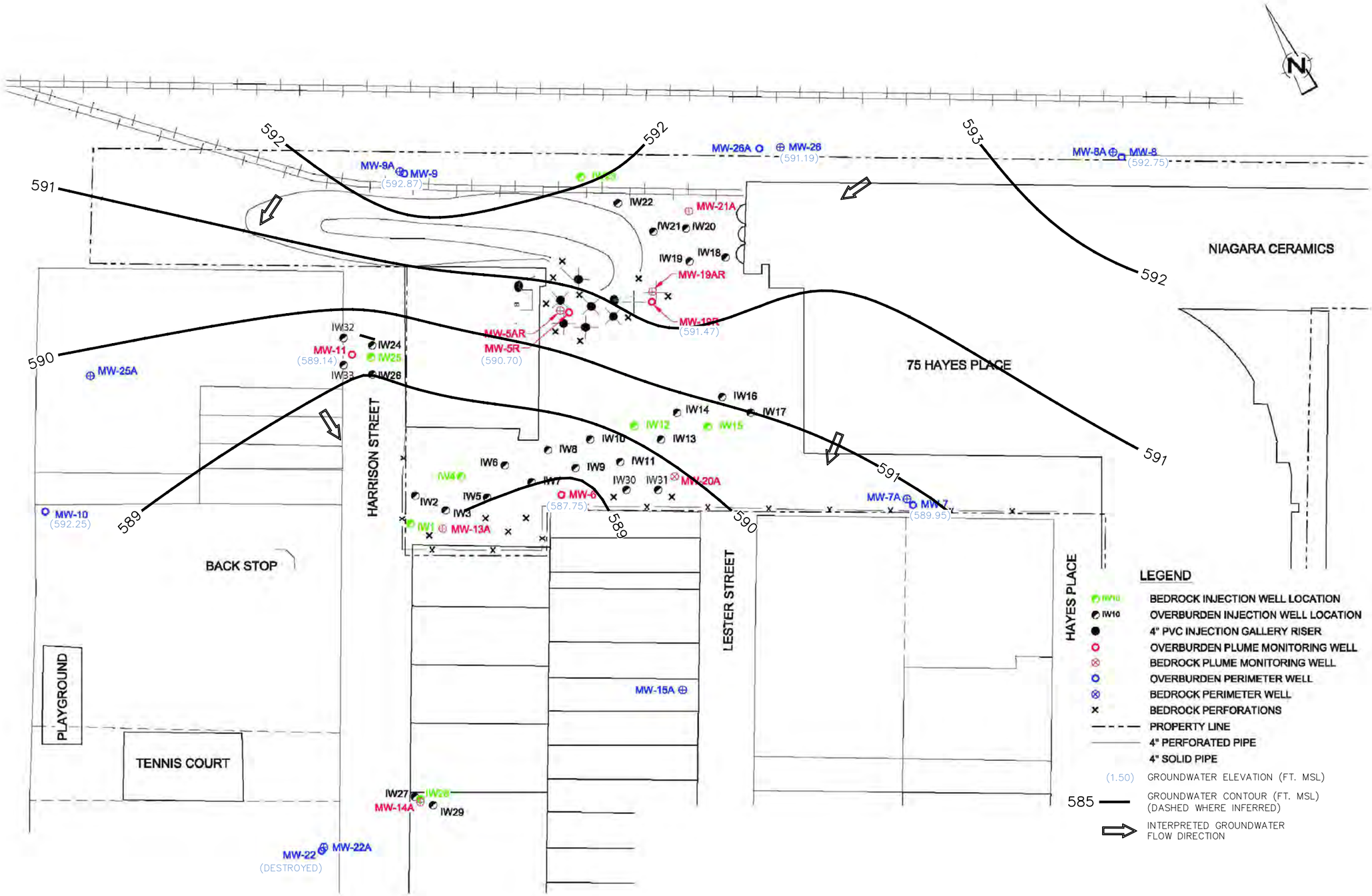

LEGEND

- BEDROCK INJECTION WELL LOCATION
- OVERBURDEN INJECTION WELL LOCATION
- 4" PVC INJECTION GALLERY RISER
- OVERBURDEN PLUME MONITORING WELL
- BEDROCK PLUME MONITORING WELL
- OVERBURDEN PERIMETER WELL
- BEDROCK PERIMETER WELL
- BEDROCK PERFORATIONS
- PROPERTY LINE
- 4" PERFORATED PIPE
- 4" SOLID PIPE
- (1.50) GROUNDWATER ELEVATION (FT. MSL)
- 585 GROUNDWATER CONTOUR (FT. MSL) (DASHED WHERE INFERRED)
- INTERPRETED GROUNDWATER FLOW DIRECTION

SOURCE:
THIS BASEMAP IS FOR CONCEPTUAL INFORMATION ONLY AND IS NOT INTENDED FOR DESIGN PURPOSES DUE TO POTENTIAL SPATIALLY INACCURACY. THE SITE INFORMATION ON THIS BASEMAP WAS COMPILED FROM ENVIRONMENTAL AUDITS, INC., PROJECT 0333 DRAWINGS NO. 1, MARCH 2004, CITY OF BUFFALO – GIS INFORMATION SYSTEM.

NO.	DATE	DESCRIPTION
		REVISIONS

Liro Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	
DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	A.M.K.
CLIENT:	HAYES PLACE MANAGEMENT GROUP, INC.
DATE:	DECEMBER 2022
SCALE:	NOT TO SCALE
JOB TITLE AND LOCATION:	FORMER BUFFALO CHINA
LIRO JOB NO.:	16-344-1389
SHEET	5 OF 6
DRAWING TITLE:	OVERBURDEN GROUNDWATER SURFACE ELEVATION CONTOURS - NOVEMBER 2022
FIGURE NO.	4.1

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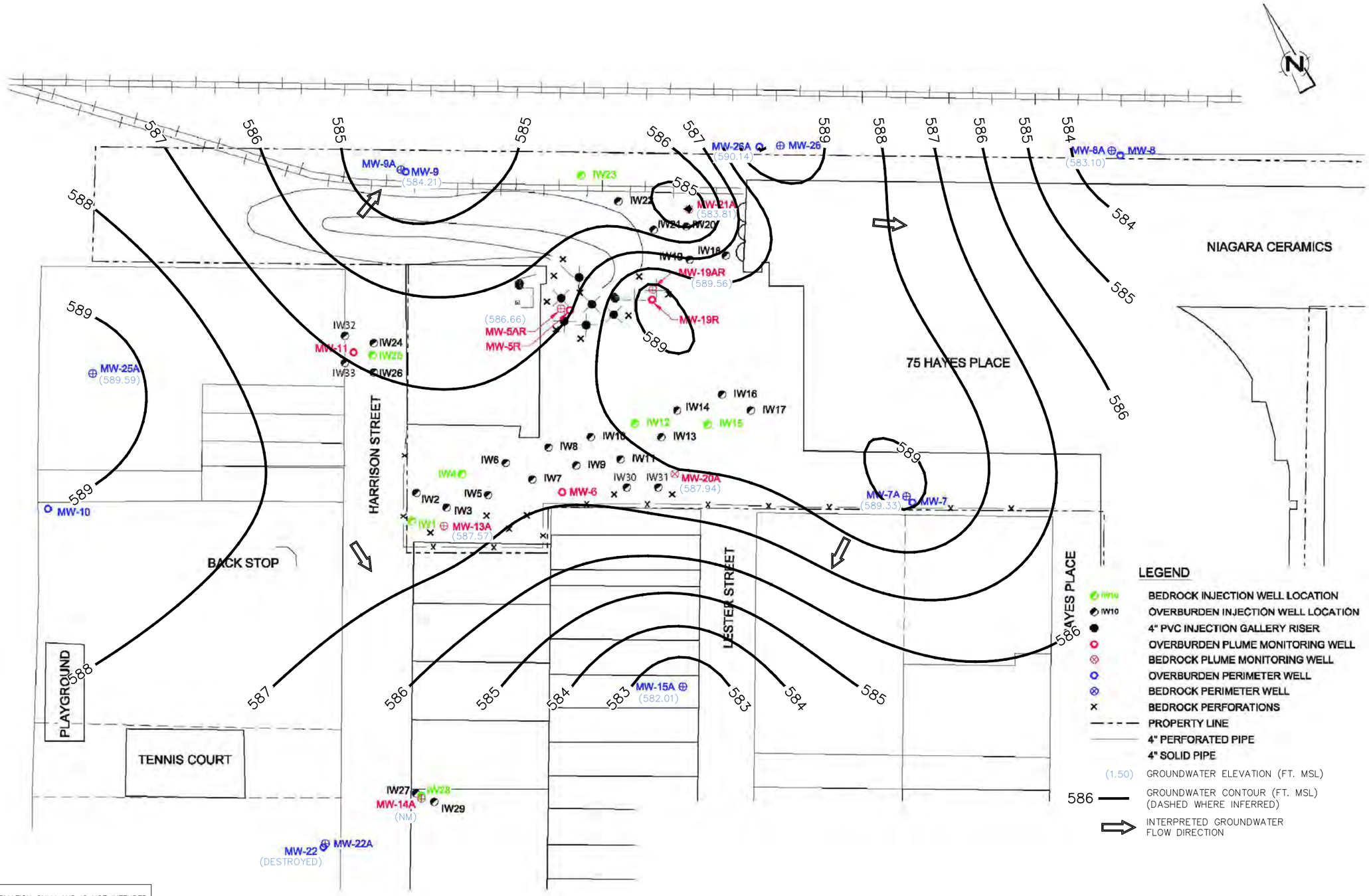


SOURCE:
THIS BASEMAP IS FOR CONCEPTUAL INFORMATION ONLY AND IS NOT INTENDED FOR DESIGN PURPOSES DUE TO POTENTIAL SPATIALLY INACCURACY. THE SITE INFORMATION ON THIS BASEMAP WAS COMPILED FROM ENVIRONMENTAL AUDITS, INC., PROJECT 0333 DRAWINGS NO. 1, MARCH 2004, CITY OF BUFFALO – GIS INFORMATION SYSTEM.

NO.	DATE	DESCRIPTION
		REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	CLIENT: HAYES PLACE MANAGEMENT GROUP, INC.	JOB TITLE AND LOCATION: FORMER BUFFALO CHINA	LIRO JOB NO.: 16-344-1389
DESIGNED BY:			SHEET OF 6 6
CHECKED BY:		DRAWING TITLE: BEDROCK GROUNDWATER SURFACE ELEVATION CONTOURS - NOVEMBER 2022	FIGURE NO. 4.2
DRAWN BY: A.M.K.	DATE: DECEMBER 2022	SCALE: NOT TO SCALE	

J:\16-344-1389 buffalo china\CAD\2022 PRR REPORT\FORMER CHINA BUFFALO.dwg 12/2/2022 1:56 PM

Tables

TABLE 4.1

SUMMARY OF HYDRAULIC MONITORING DATA
NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

Well ID	*Sample / Measurement Date*	*Top of Riser Elevation (ft. above AMSL)*	*Depth to Water (ft. below top of riser)*	*Water Elevation (ft. above AMSL)*
Overburden				
MW-5R	11/9/2022	598.10	7.40	590.70
MW-6	11/8/2022	594.15	6.40	587.75
MW-7	11/9/2022	592.03	2.08	589.95
MW-8	11/8/2022	594.00	1.25	592.75
MW-9	11/8/2022	594.81	1.94	592.87
MW-10	11/8/2022	596.45	7.20	589.25
MW-11	11/9/2022	595.04	5.90	589.14
MW-19R	11/9/2022	593.28	1.81	591.47
MW-22[(1)]	--	592.34	NM	NA
MW-25[(1)]	--	598.13	NM	NA
MW-26	11/8/2022	593.22	2.03	591.19
Bedrock				
MW-5AR	11/9/2022	596.29	9.63	586.66
MW-7A	11/9/2022	592.31	2.98	589.33
MW-8A	11/8/2022	594.10	11.00	583.10
MW-9A	11/8/2022	594.94	10.73	584.21
MW-13A	11/9/2022	594.75	7.18	587.57
MW-14A[(2)]	--	593.37	NM	NA
MW-15A	11/9/2022	592.70	10.69	582.01
MW-19AR	11/9/2022	593.40	3.84	589.56
MW-20A[(3)]	11/8/2022	593.06	5.12	587.94
MW-21A	11/9/2022	590.98	7.17	583.81
MW-22A[(1)]	--	592.23	NM	NA
MW-25A	11/8/2022	598.13	8.54	589.59
MW-26A	11/8/2022	593.05	2.91	590.14

Notes:
AMSL - Above Mean Sea Level
NM - Not Measured
NA - Not Available
(1) - Location removed from program (2021)
(2) - Property owner access not granted
(3) - Location added to program (2015)

TABLE 4.2

ANALYTICAL RESULTS SUMMARY
VOCs in PERIMETER WELLS - NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

				Perimeter	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*
				Overburden Monitoring Well	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*
			Location ID:	*MW-7*	*MW-7A*	*MW-8*	*MW-8A*	*MW-9*	*MW-9A*	*MW-10*	*MW-15A*
			Sample ID:	*MW-7*	*MW-7A*	*MW-8*	*MW-8A*	*MW-9*	*MW-9A*	*MW-10*	*MW-15A*
			Sample Date:	*11/9/22 8:40*	*11/9/22 8:20*	*11/8/22 10:00*	*11/8/22 9:30*	*11/8/22 11:30*	*11/8/22 12:00*	*11/8/22 13:30*	*11/9/22 14:00*
		New York State Water Quality									
Parameters	*Units*	*Guidance Values*	*Standards*								
Volatile Organic Analytes											
1,1,1-Trichloroethane (TCA)	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,1,2,2-Tetrachloroethane	ug/L	NC	5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
1,1,2-Trichloroethane	ug/L	NC	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,1-Dichloroethane (1,1-DCA)	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,1-Dichloroethene (1,1-DCE)	ug/L	NC	5	0.17 U	**0.25 J**	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
1,2,3-Trichlorobenzene	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,2,4-Trichlorobenzene	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	NC	0.04	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,2-Dibromoethane	ug/L	NC	0.0006	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
1,2-Dichlorobenzene	ug/L	NC	3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,2-Dichloroethane	ug/L	NC	0.6	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-Dichloropropane	ug/L	NC	1	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,3-Dichlorobenzene	ug/L	NC	3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
1,4-Dichlorobenzene	ug/L	NC	3	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	**0.81 J**	0.70 U
1,4-Dioxane	ug/L	NC	NC	61 U	61 U	61 U	61 U	61 U	61 U	61 U	61 U
2-Butanone (MEK)	ug/L	50	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Hexanone	ug/L	50	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	ug/L	NC	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	ug/L	50	NC	**2.6 J**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzene	ug/L	NC	1	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Bromochloromethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Bromodichloromethane	ug/L	50	NC	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Bromoform	ug/L	50	NC	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Bromomethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Carbon Disulfide	ug/L	60	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	ug/L	NC	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chlorobenzene	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloroform	ug/L	NC	7	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Chloromethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Cyclohexane	ug/L	NC	NC	0.27 U	**0.59 J**	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Dibromochloromethane	ug/L	NC	5	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Dichlorodifluoromethane (CFC 12)	ug/L	NC	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride (Dichloromethane)	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Ethylbenzene	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Isopropylbenzene (Cumene)	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Methyl Acetate	ug/L	NC	NC	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Methyl tert-Butyl Ether	ug/L	10	NC	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Methylcyclohexane	ug/L	NC	NC	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Styrene	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Tetrachloroethene (PCE)	ug/L	NC	5	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	**0.57**
Toluene	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U

TABLE 4.2

ANALYTICAL RESULTS SUMMARY
VOCs in PERIMETER WELLS - NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

				Perimeter	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*
				Overburden Monitoring Well	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*
			Location ID:	*MW-7*	*MW-7A*	*MW-8*	*MW-8A*	*MW-9*	*MW-9A*	*MW-10*	*MW-15A*
			Sample ID:	*MW-7*	*MW-7A*	*MW-8*	*MW-8A*	*MW-9*	*MW-9A*	*MW-10*	*MW-15A*
			Sample Date:	*11/9/22 8:40*	*11/9/22 8:20*	*11/8/22 10:00*	*11/8/22 9:30*	*11/8/22 11:30*	*11/8/22 12:00*	*11/8/22 13:30*	*11/9/22 14:00*
		New York State Water Quality									
Parameters	***Units***	***Guidance Values***	***Standards***								
Volatile Organic Analytes											
Trichloroethene (TCE)	ug/L	NC	5	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	**4.0**
Trichlorofluoromethane (CFC 11)	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Vinyl Chloride	ug/L	NC	2	0.07 U	**71**	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
cis-1,2-Dichloroethene	ug/L	NC	5	0.70 U	**120**	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	**0.85 J**
cis-1,3-Dichloropropene	ug/L	NC	NC	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
m,p-Xylenes	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
o-Xylene	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
trans-1,2-Dichloroethene	ug/L	NC	5	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
trans-1,3-Dichloropropene	ug/L	NC	NC	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Total VOCs	ug/L	NC	NC	2.6	191.84	0	0	0	0	0.81	5.42
Field Parameters											
Conductivity, field	mS/cm	NC	NC	1.45	1.04	0.949	0.633	0.786	1.55	0.367	2.2
Dissolved oxygen (DO), field	mg/L	NC	NC	3.95	0	0	0	6.33	0	0	0
Oxidation reduction potential (ORP), field	millivolts	NC	NC	-245	-104	-84	-136	-40	-141	1	-49
pH, field	s.u.	NC	6.5-8.5	7.35	7.66	7.13	7.83	7.09	7.17	7.4	7.27
Temperature, field	Deg. C	NC	NC	13.53	13.03	13.9	13.22	12.54	12.4	15.37	15.58
Turbidity, field	NTU	NC	NC	94.4	98.5	28.3	204	47.5	24.5	79.8	292

Notes:
1.0 - Detected compound
1.0 - Exceeds criteria
U - Not detected
J - Estimated concentration
NC - No criteria
NM - Not measured
ug/L - Micrograms per liter
mg/L - Milligrams per liter

TABLE 4.2

ANALYTICAL RESULTS SUMMARY
VOCs in PERIMETER WELLS - NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

				Perimeter	*Perimeter*	*Perimeter*
				Bedrock Monitoring Well	*Overburden Monitoring Well*	*Bedrock Monitoring Well*
			Location ID:	*MW-25A*	*MW-26*	*MW-26A*
			Sample ID:	*MW-25A*	*MW-26*	*MW-26A*
			Sample Date:	*11/8/22 13:00*	*11/8/22 10:30*	*11/8/22 11:00*
		New York State Water Quality				
Parameters	*Units*	*Guidance Values*	*Standards*			
Volatile Organic Analytes						
1,1,1-Trichloroethane (TCA)	ug/L	NC	5	0.70 U	0.70 U	0.70 U
1,1,2,2-Tetrachloroethane	ug/L	NC	5	0.17 U	0.17 U	0.17 U
1,1,2-Trichloroethane	ug/L	NC	1	0.50 U	0.50 U	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U
1,1-Dichloroethane (1,1-DCA)	ug/L	NC	5	0.70 U	0.70 U	0.70 U
1,1-Dichloroethene (1,1-DCE)	ug/L	NC	5	0.17 U	0.17 U	0.17 U
1,2,3-Trichlorobenzene	ug/L	NC	5	0.70 U	0.70 U	0.70 U
1,2,4-Trichlorobenzene	ug/L	NC	5	0.70 U	0.70 U	0.70 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	NC	0.04	0.70 U	0.70 U	0.70 U
1,2-Dibromoethane	ug/L	NC	0.0006	0.65 U	0.65 U	0.65 U
1,2-Dichlorobenzene	ug/L	NC	3	0.70 U	0.70 U	0.70 U
1,2-Dichloroethane	ug/L	NC	0.6	0.13 U	0.13 U	0.13 U
1,2-Dichloropropane	ug/L	NC	1	0.14 U	0.14 U	0.14 U
1,3-Dichlorobenzene	ug/L	NC	3	0.70 U	0.70 U	0.70 U
1,4-Dichlorobenzene	ug/L	NC	3	0.70 U	0.70 U	0.70 U
1,4-Dioxane	ug/L	NC	NC	61 U	61 U	61 U
2-Butanone (MEK)	ug/L	50	NC	1.9 U	1.9 U	1.9 U
2-Hexanone	ug/L	50	NC	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone	ug/L	NC	NC	1.0 U	1.0 U	1.0 U
Acetone	ug/L	50	NC	1.5 U	**3.8 J**	1.5 U
Benzene	ug/L	NC	1	0.16 U	0.16 U	0.16 U
Bromochloromethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Bromodichloromethane	ug/L	50	NC	0.19 U	0.19 U	0.19 U
Bromoform	ug/L	50	NC	0.65 U	0.65 U	0.65 U
Bromomethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Carbon Disulfide	ug/L	60	60	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	ug/L	NC	5	0.13 U	0.13 U	0.13 U
Chlorobenzene	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Chloroethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Chloroform	ug/L	NC	7	0.70 U	0.70 U	0.70 U
Chloromethane	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Cyclohexane	ug/L	NC	NC	0.27 U	0.27 U	0.27 U
Dibromochloromethane	ug/L	NC	5	0.15 U	0.15 U	0.15 U
Dichlorodifluoromethane (CFC 12)	ug/L	NC	5	1.0 U	1.0 U	1.0 U
Methylene Chloride (Dichloromethane)	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Ethylbenzene	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Isopropylbenzene (Cumene)	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Methyl Acetate	ug/L	NC	NC	0.23 U	0.23 U	0.23 U
Methyl tert-Butyl Ether	ug/L	10	NC	0.70 U	0.70 U	0.70 U
Methylcyclohexane	ug/L	NC	NC	0.40 U	0.40 U	0.40 U
Styrene	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Tetrachloroethene (PCE)	ug/L	NC	5	0.18 U	0.18 U	0.18 U
Toluene	ug/L	NC	5	0.70 U	0.70 U	0.70 U

TABLE 4.2

ANALYTICAL RESULTS SUMMARY
VOCs in PERIMETER WELLS - NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

				Perimeter	*Perimeter*	*Perimeter*
				Bedrock Monitoring Well	*Overburden Monitoring Well*	*Bedrock Monitoring Well*
			Location ID:	*MW-25A*	*MW-26*	*MW-26A*
			Sample ID:	*MW-25A*	*MW-26*	*MW-26A*
			Sample Date:	*11/8/22 13:00*	*11/8/22 10:30*	*11/8/22 11:00*
		New York State Water Quality				
Parameters	***Units***	***Guidance Values***	***Standards***			
Volatile Organic Analytes						
Trichloroethene (TCE)	ug/L	NC	5	0.18 U	0.18 U	0.18 U
Trichlorofluoromethane (CFC 11)	ug/L	NC	5	0.70 U	0.70 U	0.70 U
Vinyl Chloride	ug/L	NC	2	**0.07 J**	0.07 U	**1.3**
cis-1,2-Dichloroethene	ug/L	NC	5	0.70 U	0.70 U	0.70 U
cis-1,3-Dichloropropene	ug/L	NC	NC	0.14 U	0.14 U	0.14 U
m,p-Xylenes	ug/L	NC	5	0.70 U	0.70 U	0.70 U
o-Xylene	ug/L	NC	5	0.70 U	0.70 U	0.70 U
trans-1,2-Dichloroethene	ug/L	NC	5	0.70 U	0.70 U	0.70 U
trans-1,3-Dichloropropene	ug/L	NC	NC	0.16 U	0.16 U	0.16 U
Total VOCs	ug/L	NC	NC	0.07	3.8	1.3
Field Parameters						
Conductivity, field	mS/cm	NC	NC	0.779	1.25	1.05
Dissolved oxygen (DO), field	mg/L	NC	NC	0	9.91	0
Oxidation reduction potential (ORP), field	millivolts	NC	NC	-67	-100	-92
pH, field	s.u.	NC	6.5-8.5	6.99	7.11	7.61
Temperature, field	Deg. C	NC	NC	15.93	12.79	12.9
Turbidity, field	NTU	NC	NC	88.2	47.9	45.4

Notes:
1.0 - Detected compound
1.0 - Exceeds criteria
U - Not detected
J - Estimated concentration
NC - No criteria
NM - Not measured
ug/L - Micrograms per liter
mg/L - Milligrams per liter

TABLE 4.3

ANALYTICAL RESULTS SUMMARY
VOCs in OVERBURDEN PLUME WELLS - NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

				Plume	*Plume*	*Plume*	*Plume*
				Overburden Monitoring Well	*Overburden Monitoring Well*	*Overburden Monitoring Well*	*Overburden Monitoring Well*
			Location ID:	*MW-5R*	*MW-6*	*MW-11*	*MW-19R*
			Sample ID:	*MW-5R*	*MW-6*	*MW-11*	*MW-19A MS/MSD*
			Sample Date:	*11/9/22 10:30*	*11/8/22 13:40*	*11/9/22 12:30*	*11/9/22 9:15*
		New York State Water Quality					
Parameters	*Units*	*Guidance Values*	*Standards*				
Volatile Organic Analytes							
1,1,1-Trichloroethane (TCA)	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
1,1,2,2-Tetrachloroethane	ug/L	NC	5	0.84 U	8.4 U	0.42 U	0.17 U
1,1,2-Trichloroethane	ug/L	NC	1	2.5 U	25 U	1.2 U	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
1,1-Dichloroethane (1,1-DCA)	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
1,1-Dichloroethene (1,1-DCE)	ug/L	NC	5	0.84 U	**42**	**0.91 J**	0.17 U
1,2,3-Trichlorobenzene	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
1,2,4-Trichlorobenzene	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	NC	0.04	3.5 U	35 U	1.8 U	0.70 U
1,2-Dibromoethane	ug/L	NC	0.0006	3.2 U	32 U	1.6 U	0.65 U
1,2-Dichlorobenzene	ug/L	NC	3	3.5 U	35 U	1.8 U	0.70 U
1,2-Dichloroethane	ug/L	NC	0.6	0.66 U	6.6 U	0.33 U	0.13 U
1,2-Dichloropropane	ug/L	NC	1	0.68 U	6.8 U	0.34 U	0.14 U
1,3-Dichlorobenzene	ug/L	NC	3	3.5 U	35 U	1.8 U	0.70 U
1,4-Dichlorobenzene	ug/L	NC	3	3.5 U	35 U	1.8 U	0.70 U
1,4-Dioxane	ug/L	NC	NC	300 U	3,000 U	150 U	61 U
2-Butanone (MEK)	ug/L	50	NC	9.7 U	97 U	4.8 U	1.9 U
2-Hexanone	ug/L	50	NC	5.0 U	50 U	2.5 U	1.0 U
4-Methyl-2-pentanone	ug/L	NC	NC	5.0 U	50 U	2.5 U	1.0 U
Acetone	ug/L	50	NC	7.3 U	73 U	3.6 U	1.5 U
Benzene	ug/L	NC	1	0.80 U	8.0 U	0.40 U	0.16 U
Bromochloromethane	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Bromodichloromethane	ug/L	50	NC	0.96 U	9.6 U	0.48 U	0.19 U
Bromoform	ug/L	50	NC	3.2 U	32 U	1.6 U	0.65 U
Bromomethane	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Carbon Disulfide	ug/L	60	60	5.0 U	50 U	2.5 U	1.0 U
Carbon Tetrachloride	ug/L	NC	5	0.67 U	6.7 U	0.34 U	0.13 U
Chlorobenzene	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Chloroethane	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Chloroform	ug/L	NC	7	3.5 U	35 U	1.8 U	0.70 U
Chloromethane	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Cyclohexane	ug/L	NC	NC	1.4 U	14 U	0.68 U	0.27 U
Dibromochloromethane	ug/L	NC	5	0.74 U	7.4 U	0.37 U	0.15 U
Dichlorodifluoromethane (CFC 12)	ug/L	NC	5	5.0 U	50 U	2.5 U	1.0 U
Methylene Chloride (Dichloromethane)	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Ethylbenzene	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Isopropylbenzene (Cumene)	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Methyl Acetate	ug/L	NC	NC	1.2 U	12 U	0.58 U	0.23 U
Methyl tert-Butyl Ether	ug/L	10	NC	3.5 U	35 U	1.8 U	0.70 U
Methylcyclohexane	ug/L	NC	NC	2.0 U	20 U	0.99 U	0.40 U
Styrene	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Tetrachloroethene (PCE)	ug/L	NC	5	**1.8 J**	9.0 U	0.45 U	0.18 U
Toluene	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
Trichloroethene (TCE)	ug/L	NC	5	**660**	8.8 U	**81**	**43**
Trichlorofluoromethane (CFC 11)	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U

TABLE 4.3

ANALYTICAL RESULTS SUMMARY
VOCs in OVERBURDEN PLUME WELLS - NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

				Plume	***Plume***	***Plume***	***Plume***
				Overburden Monitoring Well	***Overburden Monitoring Well***	***Overburden Monitoring Well***	***Overburden Monitoring Well***
			Location ID:	***MW-5R***	***MW-6***	***MW-11***	***MW-19R***
			Sample ID:	***MW-5R***	***MW-6***	***MW-11***	***MW-19A MS/MSD***
			Sample Date:	***11/9/22 10:30***	***11/8/22 13:40***	***11/9/22 12:30***	***11/9/22 9:15***
		New York State Water Quality					
Parameters	***Units***	***Guidance Values***	***Standards***				
Volatile Organic Analytes							
Vinyl Chloride	ug/L	NC	2	**1.4 J**	**320**	**7.9**	**1.6**
cis-1,2-Dichloroethene	ug/L	NC	5	**420**	**5,200**	**330**	**59 J**
cis-1,3-Dichloropropene	ug/L	NC	NC	0.72 U	7.2 U	0.36 U	0.14 U
m,p-Xylenes	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
o-Xylene	ug/L	NC	5	3.5 U	35 U	1.8 U	0.70 U
trans-1,2-Dichloroethene	ug/L	NC	5	**20**	35 U	**2.4 J**	**5.6**
trans-1,3-Dichloropropene	ug/L	NC	NC	0.82 U	8.2 U	0.41 U	0.16 U
Total VOCs	ug/L	NC	NC	1,103.2	5,562	422.21	109.2
Field Parameters							
Conductivity, field	mS/cm	NC	NC	0.794	1	0.884	0.855
Dissolved oxygen (DO), field	mg/L	NC	NC	9.75	0	0	0
Oxidation reduction potential (ORP), field	millivolts	NC	NC	-42	-76	33	-179
pH, field	s.u.	NC	6.5-8.5	7.98	7.41	7.47	7.69
Temperature, field	Deg. C	NC	NC	15.14	13.02	15.43	14.83
Turbidity, field	NTU	NC	NC	80.3	0	0	56.2
Sodium Persulfate	mg/L	NC	NC	U	U	U	U

Notes:
1.0 - Detected compound
1.0 - Exceeds criteria
U - Not detected
J - Estimated concentration
NC - No criteria
NM - Not measured
ug/L - Micrograms per liter
mg/L - Milligrams per liter

TABLE 4.4

ANALYTICAL RESULTS SUMMARY
VOCs in BEDROCK PLUME WELLS - NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

				Plume	*Plume*	*Plume*	*Plume*	*Plume*	*Plume*
				Bedrock Monitoring Well	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*
			Location ID:	*MW-5AR*	*MW-13A*	*MW-19AR*	*MW-20A*	*MW-21A*	*MW-21A*
			Sample ID:	*MW-5AR*	*MW-13A*	*MW-19AR*	*MW-20A*	*MW-21A*	*DUP-01*
			Sample Date:	*11/9/22 11:00*	*11/9/22 12:00*	*11/9/22 9:45*	*11/8/22 14:15*	*11/9/22 10:00*	*11/9/22 10:15*
		New York State Water Quality							
Parameters	*Units*	*Guidance Values*	*Standards*						
Volatile Organic Analytes									
1,1,1-Trichloroethane (TCA)	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,1,2,2-Tetrachloroethane	ug/L	NC	5	**7.1**	8.4 U	4.2 U	1.7 U	0.42 U	0.33 U
1,1,2-Trichloroethane	ug/L	NC	1	5.0 U	25 U	12 U	5.0 U	1.2 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,1-Dichloroethane (1,1-DCA)	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,1-Dichloroethene (1,1-DCE)	ug/L	NC	5	**3.4 J**	**25**	**6.8 J**	**2.3 J**	**1.5 J**	**0.93 J**
1,2,3-Trichlorobenzene	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,2,4-Trichlorobenzene	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	NC	0.04	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,2-Dibromoethane	ug/L	NC	0.0006	6.5 U	32 U	16 U	6.5 U	1.6 U	1.3 U
1,2-Dichlorobenzene	ug/L	NC	3	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,2-Dichloroethane	ug/L	NC	0.6	1.3 U	6.6 U	3.3 U	1.3 U	0.33 U	0.26 U
1,2-Dichloropropane	ug/L	NC	1	1.4 U	6.8 U	3.4 U	1.4 U	0.34 U	0.27 U
1,3-Dichlorobenzene	ug/L	NC	3	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,4-Dichlorobenzene	ug/L	NC	3	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
1,4-Dioxane	ug/L	NC	NC	610 U	3,000 U	1,500 U	610 U	150 U	120 U
2-Butanone (MEK)	ug/L	50	NC	19 U	97 U	48 U	19 U	4.8 U	3.9 U
2-Hexanone	ug/L	50	NC	10 U	50 U	25 U	10 U	2.5 U	2.0 U
4-Methyl-2-pentanone	ug/L	NC	NC	10 U	50 U	25 U	10 U	2.5 U	2.0 U
Acetone	ug/L	50	NC	15 U	73 U	36 U	15 U	3.6 U	2.9 U
Benzene	ug/L	NC	1	1.6 U	8.0 U	4.0 U	1.6 U	0.40 U	0.32 U
Bromochloromethane	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Bromodichloromethane	ug/L	50	NC	1.9 U	9.6 U	4.8 U	1.9 U	0.48 U	0.38 U
Bromoform	ug/L	50	NC	6.5 U	32 U	16 U	6.5 U	1.6 U	1.3 U
Bromomethane	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Carbon Disulfide	ug/L	60	60	10 U	50 U	25 U	10 U	2.5 U	2.0 U
Carbon Tetrachloride	ug/L	NC	5	1.3 U	6.7 U	3.4 U	1.3 U	0.34 U	0.27 U
Chlorobenzene	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Chloroethane	ug/L	NC	5	**12 JH**	35 U	18 U	7.0 U	1.8 U	1.4 U
Chloroform	ug/L	NC	7	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Chloromethane	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Cyclohexane	ug/L	NC	NC	2.7 U	14 U	6.8 U	2.7 U	0.68 U	0.54 U
Dibromochloromethane	ug/L	NC	5	1.5 U	7.4 U	3.7 U	1.5 U	0.37 U	0.30 U
Dichlorodifluoromethane (CFC 12)	ug/L	NC	5	10 U	50 U	25 U	10 U	2.5 U	2.0 U
Methylene Chloride (Dichloromethane)	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Ethylbenzene	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Isopropylbenzene (Cumene)	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Methyl Acetate	ug/L	NC	NC	2.3 U	12 U	5.8 U	2.3 U	0.58 U	0.47 U
Methyl tert-Butyl Ether	ug/L	10	NC	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Methylcyclohexane	ug/L	NC	NC	4.0 U	20 U	9.9 U	4.0 U	0.99 U	0.79 U
Styrene	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
Tetrachloroethene (PCE)	ug/L	NC	5	**7.7**	9.0 U	4.5 U	1.8 U	0.45 U	0.36 U
Toluene	ug/L	NC	5	**9.8 J**	35 U	18 U	7.0 U	1.8 U	1.4 U
Trichloroethene (TCE)	ug/L	NC	5	**1,600**	**650**	**250**	1.8 U	**0.70 J**	**0.38 J**
Trichlorofluoromethane (CFC 11)	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U

TABLE 4.4

ANALYTICAL RESULTS SUMMARY
VOCs in BEDROCK PLUME WELLS - NOVEMBER 2022
FORMER BUFFALO CHINA SITE (No. C915209)

				Plume	*Plume*	*Plume*	*Plume*	*Plume*	*Plume*
				Bedrock Monitoring Well	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*
			Location ID:	*MW-5AR*	*MW-13A*	*MW-19AR*	*MW-20A*	*MW-21A*	*MW-21A*
			Sample ID:	*MW-5AR*	*MW-13A*	*MW-19AR*	*MW-20A*	*MW-21A*	*DUP-01*
			Sample Date:	*11/9/22 11:00*	*11/9/22 12:00*	*11/9/22 9:45*	*11/8/22 14:15*	*11/9/22 10:00*	*11/9/22 10:15*
		New York State Water Quality							
Parameters	***Units***	***Guidance Values***	***Standards***						
Volatile Organic Analytes									
Vinyl Chloride	ug/L	NC	2	**20**	**310**	**170**	**300**	**170 J**	**120 J**
cis-1,2-Dichloroethene	ug/L	NC	5	**790**	**5,600**	**2,600**	**1,300**	**250 J**	**220 J**
cis-1,3-Dichloropropene	ug/L	NC	NC	1.4 U	7.2 U	3.6 U	1.4 U	0.36 U	0.29 U
m,p-Xylenes	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
o-Xylene	ug/L	NC	5	7.0 U	35 U	18 U	7.0 U	1.8 U	1.4 U
trans-1,2-Dichloroethene	ug/L	NC	5	**9.8 J**	**68 J**	**40 J**	**7.7 J**	**9.3 J**	**11 J**
trans-1,3-Dichloropropene	ug/L	NC	NC	1.6 U	8.2 U	4.1 U	1.6 U	0.41 U	0.33 U
Total VOCs	ug/L	NC	NC	2,459.8	6,653	3,066.8	1,610	431.5	352.31
Field Parameters									
Conductivity, field	mS/cm	NC	NC	0.813	1.94	2.08	1.34	1.61	1.61
Dissolved oxygen (DO), field	mg/L	NC	NC	0	0	0	7.12	0	0
Oxidation reduction potential (ORP), field	millivolts	NC	NC	-143	-107	-170	-50	-96	-96
pH, field	s.u.	NC	6.5-8.5	7.86	7.49	7.68	7.24	7.43	7.43
Temperature, field	Deg. C	NC	NC	15.97	13.54	15.11	14.69	13.4	13.4
Turbidity, field	NTU	NC	NC	389	138	385	104	0	0
Sodium Persulfate	mg/L	NC	NC	U	U	U	U	U	U

Notes:
1.0 - Detected compound
1.0 - Exceeds criteria
U - Not detected
J - Estimated concentration
JH - Estimated high concentration
NC - No criteria
NM - Not measured
ug/L - Micrograms per liter
mg/L - Milligrams per liter

Appendix A
Site Inspection Forms

SITE INSPECTION FORM
FORMER BUFFALO CHINA SITE
BUFFALO, NEW YORK
NYSDEC SITE NO. C915209

INSPECTION DATE: 11/8/2022

INSPECTED BY: Jon Williams

Overall Site

Has the Site use changed since the last inspection? *Yes* _____ *No* X

If yes, please describe the changes: _____

Have neighboring property uses changed? *Yes* _____ *No* X

If yes, please describe the changes: _____

Asphalt/Concrete Cover System

Potential Problems	***Concern***	***Corrective Action***
Potholes and cracks	• Deterioration of asphalt pavement or concrete • Safety hazard	• Use cold mix or hot mix asphalt and liquid bituminous material to patch, repair, or replace asphalt • For concrete, select repair method based on type and extent of damage
Ponding water	• Safety hazard	• No action required if ponding is minor • If ponding is significant, install drainage holes in asphalt/concrete pavement
Obstructions/Debris	• Safety hazard	• Remove obstructions as soon as possible

Inspect For	*Inspection Item Identified (circle one)*		*Action Required (circle one)*		*Comments*
Deterioration	Yes	(No)	Yes	(No)	
Obstruction/Debris	Yes	(No)	Yes	(No)	
Potholes	Yes	(No)	Yes	(No)	
Drainage/Puddles	Yes	(No)	Yes	(No)	Dry at time of inspection
Other	Yes	(No)	Yes	(No)	

SITE INSPECTION FORM
FORMER BUFFALO CHINA SITE
BUFFALO, NEW YORK
NYSDEC SITE NO. C915209

INSPECTION DATE: 11/8/2022

INSPECTED BY: Don Williams

Surface Soil/Stone Cover System

Potential Problems	***Concern***	***Corrective Action***
Erosion	• Deterioration of integrity of cover • Washed out soil/stone	• Backfill with additional imported stone/common fill as needed • If persistent erosion occurs, erosion control mats may be required in selected areas
Animal burrows	• Potential for soil cover erosion • Safety hazard	• Contract exterminator regarding trapping and relocation of persistent rodents • Seal all holes with common fill and compact
Damage to fence	• Potential access to Site by unauthorized persons	• No action if damage is minor and does not allow access by unauthorized persons • Repair fence if appropriate

Inspect For	***Inspection Item Identified (circle one)***		***Action Required (circle one)***		***Comments***
Erosion	Yes	(No)	Yes	(No)	
Animal Burrows	Yes	(No)	Yes	(No)	
Damage to fence	Yes	(No)	Yes	(No)	
Other	Yes	(No)	Yes	(No)	

SITE INSPECTION FORM
FORMER BUFFALO CHINA SITE
BUFFALO, NEW YORK
NYSDEC SITE NO. C915209

INSPECTION DATE: 11/8/2022

INSPECTED BY: Jon Williams

Monitoring Wells

Potential Problems	***Concern***	***Corrective Action***
Missing locks	• Potential access by unauthorized persons	• Replace lock
Missing J-plugs	• Potential well contamination from surface water or rain water	• Replace J-plug
Concrete surface seal	• Damaged seal can allow water infiltration around casing and contamination of groundwater	• Contract drilling subcontractor to have surface seal replaced
Damaged flush-mount or stickup casing	• Damaged casing can result in damage to riser	• Contract drilling subcontractor to have casing replaced

Monitoring Well	*Well Condition (circle one)*			*Comments*
MW-5	(Good)	Fair	Needs Repair	
MW-5A	(Good)	Fair	Needs Repair	
MW-6	(Good)	Fair	Needs Repair	
MW-7	Good	Fair	(Needs Repair)	Damaged curb box
MW-7A	Good	Fair	(Needs Repair)	Damaged curb box
MW-8	Good	(Fair)	Needs Repair	Water in curb box
MW-8A	(Good)	Fair	Needs Repair	
MW-9	(Good)	Fair	Needs Repair	
MW-9A	(Good)	Fair	Needs Repair	
MW-10	(Good)	Fair	Needs Repair	
MW-11	(Good)	Fair	(Needs Repair)	Missing curb box
MW-13A	(Good)	Fair	Needs Repair	
MW-14A	(Good)	Fair	Needs Repair	Not inspected - access
MW-15A	(Good)	Fair	Needs Repair	
MW-19	(Good)	Fair	Needs Repair	
MW-19A	(Good)	Fair	Needs Repair	
MW-21A	(Good)	Fair	Needs Repair	
MW-22	~~Good~~	~~Fair~~	~~Needs Repair~~	Removed from program

SITE INSPECTION FORM
FORMER BUFFALO CHINA SITE
BUFFALO, NEW YORK
NYSDEC SITE NO. C915209

INSPECTION DATE: 11/8/2022

INSPECTED BY: Jon Williams

Monitoring Well	*Well Condition (circle one)*			*Comments*
MW-22A	~~Good~~	~~Fair~~	~~Needs Repair~~	Removed from Program
MW-25A	(Good)	Fair	Needs Repair	
MW-26	(Good)	Fair	Needs Repair	
MW-26A	(Good)	Fair	Needs Repair	

Injection Wells

Potential Problems	***Concern***	***Corrective Action***
Missing caps	• Potential well contamination from surface water or rain water	• Replace cap
Damaged stickup	• Inability to distribute oxidant, inoculum, substrate, nutrients to subsurface	• Repair stickup or contract drilling subcontractor to replace injection well

Injection Well/Gallery	*Well Condition (circle one)*			*Comments*
IW-1	(Good)	Fair	Needs Repair	
IW-2	(Good)	Fair	Needs Repair	
IW-3	(Good)	Fair	Needs Repair	
IW-4	(Good)	Fair	Needs Repair	
IW-5	(Good)	Fair	Needs Repair	
IW-6	(Good)	Fair	Needs Repair	
IW-7	(Good)	Fair	Needs Repair	
IW-8	(Good)	Fair	Needs Repair	
IW-9	(Good)	Fair	Needs Repair	
IW-10	(Good)	Fair	Needs Repair	
IW-11	(Good)	Fair	Needs Repair	
IW-12	(Good)	Fair	Needs Repair	
IW-13	(Good)	Fair	Needs Repair	
IW-14	(Good)	Fair	Needs Repair	
IW-15	(Good)	Fair	Needs Repair	
IW-16	(Good)	Fair	Needs Repair	

SITE INSPECTION FORM
FORMER BUFFALO CHINA SITE
BUFFALO, NEW YORK
NYSDEC SITE NO. C915209

INSPECTION DATE: 11/8/2022

INSPECTED BY: Jon Williams

Injection Well/Gallery	*Well Condition (circle one)*			*Comments*
IW-17	Good	Fair	Needs Repair	
IW-18	Good	Fair	Needs Repair	
IW-19	Good	Fair	Needs Repair	
IW-20	Good	Fair	Needs Repair	
IW-21	Good	Fair	Needs Repair	
IW-22	Good	Fair	Needs Repair	
IW-23	Good	Fair	Needs Repair	
IW-24	Good	Fair	Needs Repair	
IW-25	Good	Fair	Needs Repair	
IW-26	Good	Fair	Needs Repair	
IW-27	Good	Fair	Needs Repair	
IW-28	Good	Fair	Needs Repair	
IW-29	Good	Fair	Needs Repair	
IG-1	Good	Fair	Needs Repair	
IG-2	Good	Fair	Needs Repair	
IG-3	Good	Fair	Needs Repair	
IG-4	Good	Fair	Needs Repair	
IG-5	Good	Fair	Needs Repair	
IG-6	Good	Fair	Needs Repair	
IG-7	Good	Fair	Needs Repair	
IG-8	Good	Fair	Needs Repair	
IG-9	Good	Fair	Needs Repair	
IG-10	Good	Fair	Needs Repair	

SITE INSPECTION FORM
FORMER BUFFALO CHINA SITE
BUFFALO, NEW YORK
NYSDEC SITE NO. C915209

INSPECTION DATE: 12/1/2022

INSPECTED BY: Joan Williams

Subslab Depressurization Sysytem

SYSTEM ADDRESS: 127 Harrison St. Buffalo

Does the Owner or Resident have any questions, concerns, or observations about the system to report? *Yes* X *No* _____

If yes, please document concerns and how addressed: overall operation. Explained the setup and operation to Mr. Runge

Have changes been made to the HVAC/Heating system *Yes* _____ *No* (No) _____

If yes, please describe and document effects in subslab depressuriation system: _____

Have any air intakes been located near the exhaust" *Yes* _____ *No* (No) _____

If yes, please describe: _____

Visual Inspection of System

Sytem Component	*Condition (circle one)*			*Comments/Reading*
Vent fan	(Good)	Fair	Needs Repair	in garage attic
Piping	(Good)	Fair	Needs Repair	
Manometer (take reading	(Good)	Fair	Needs Repair	1.8"
Labeling	(Good)	Fair	Needs Repair	
Sump crock cover	(Good)	Fair	Needs Repair	
Electrical system	(Good)	Fair	Needs Repair	

Potential Problems	***Concern***	***Corrective Action***
Cracks	• Reduced vacuum under slal • Potential for vapor intrusion • Safety hazard	• Repair and seal any cracks in the concrete floor, lexan cove or piping.

SITE INSPECTION FORM
FORMER BUFFALO CHINA SITE
BUFFALO, NEW YORK
NYSDEC SITE NO. C915209

INSPECTION DATE: 12/1/2022

INSPECTED BY: Tom Williams

Subslab Depressurization Sysytem (cont.)

Air intake near exhaust	• Potential for vapor intrusior by exhaust entering air intakes • Safety hazard	• Contact owner of air intake • Move or remove intake or exhaust
Obstructions/Debris	• Potential for vapor intrusior by exhaust backing up into residence • Safety hazard	• Remove obstructions as soon as possible
Fan not operating	• Potential for vapor intrusior	• Check for power to fan • Repair or replace fan as necessary

Field Extension Testing

Perform field extension test and document measured vaccum:

Measurement Equipment ID number: Magnehelic 1-inch H2O guage
Measured Vacuum: > 1.0 inches 1.8" exhaust pipe

Appendix B
Site Photographs

Site Photos

View of western portion of site from northwest corner of building.

Site Photos

Transition from gravel to asphalt cover system, view towards southwest

Site Photos

View towards injection gallery, monitoring wells MW-5R and MW-5AR, and concrete floor of former warehouse.

Site Photos

Stone cover system and concrete cover system, view towards southwest.

Site Photos

Concrete and stone cover systems, view towards northwest.

Site Photos

View of concrete floor of former warehouse building.

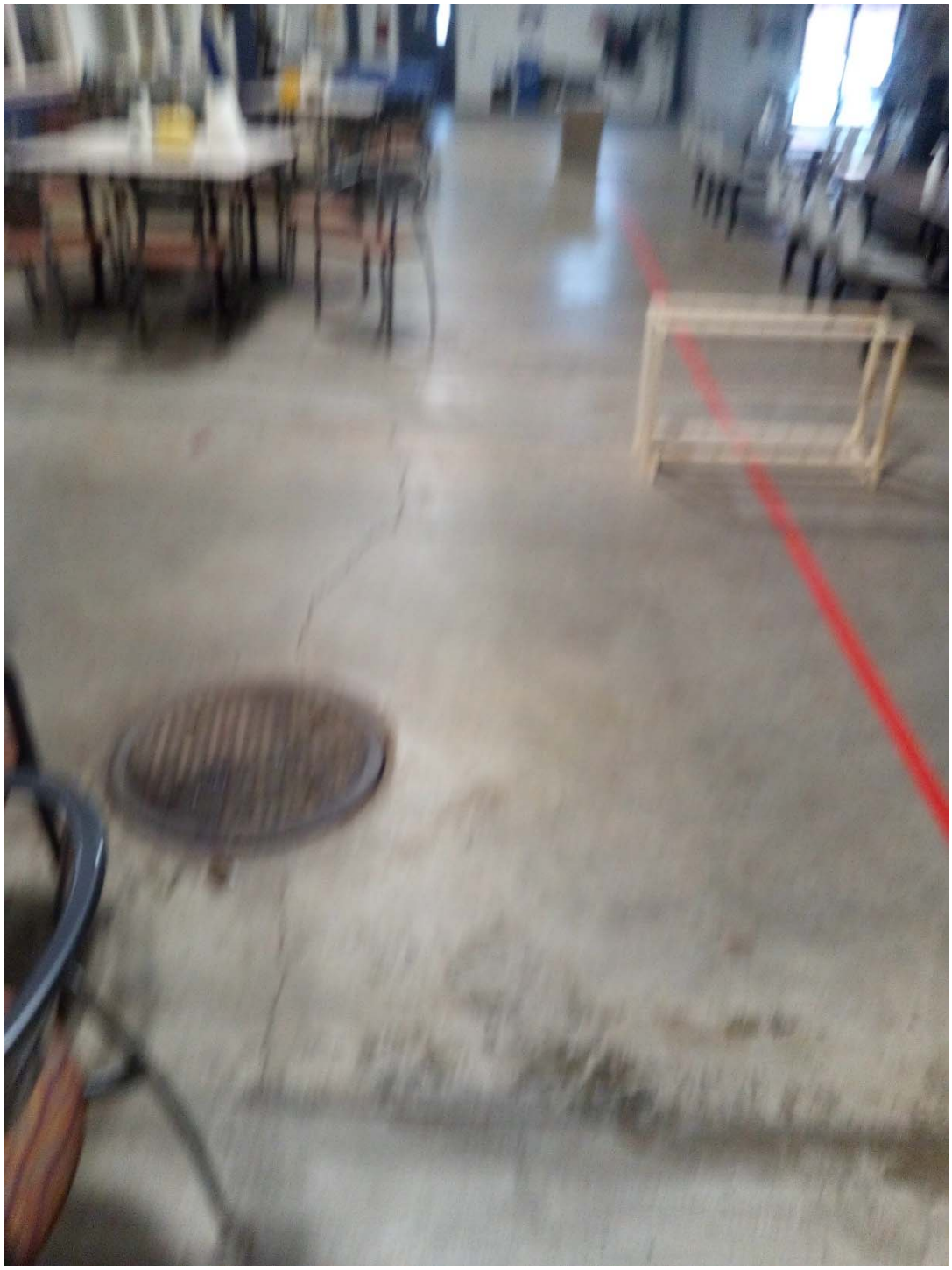
Site Photos

Area D stone cover system, view towards north.

Site Photos

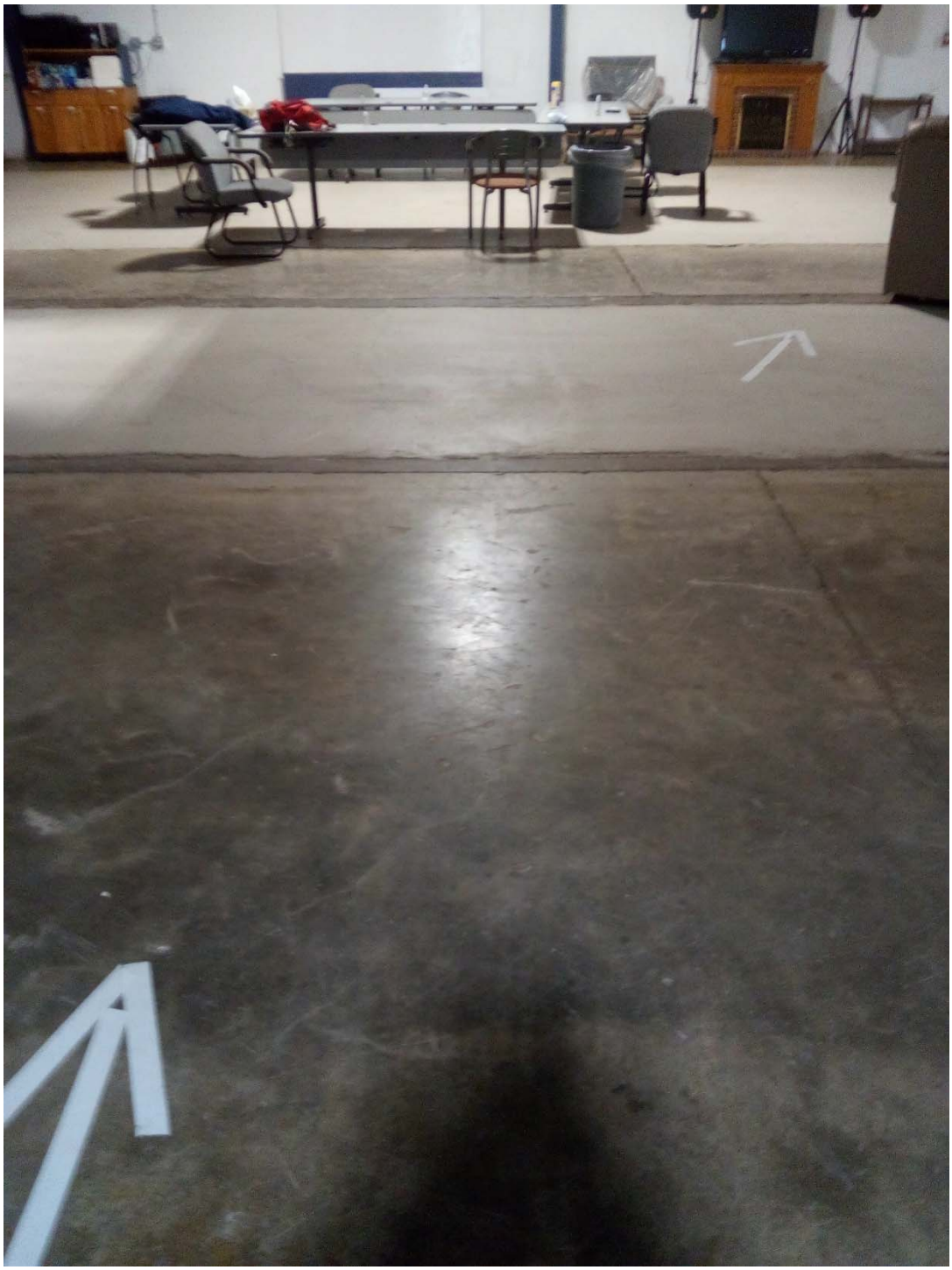
Stone cover system and injection wells. View towards southeast.

Site Photos



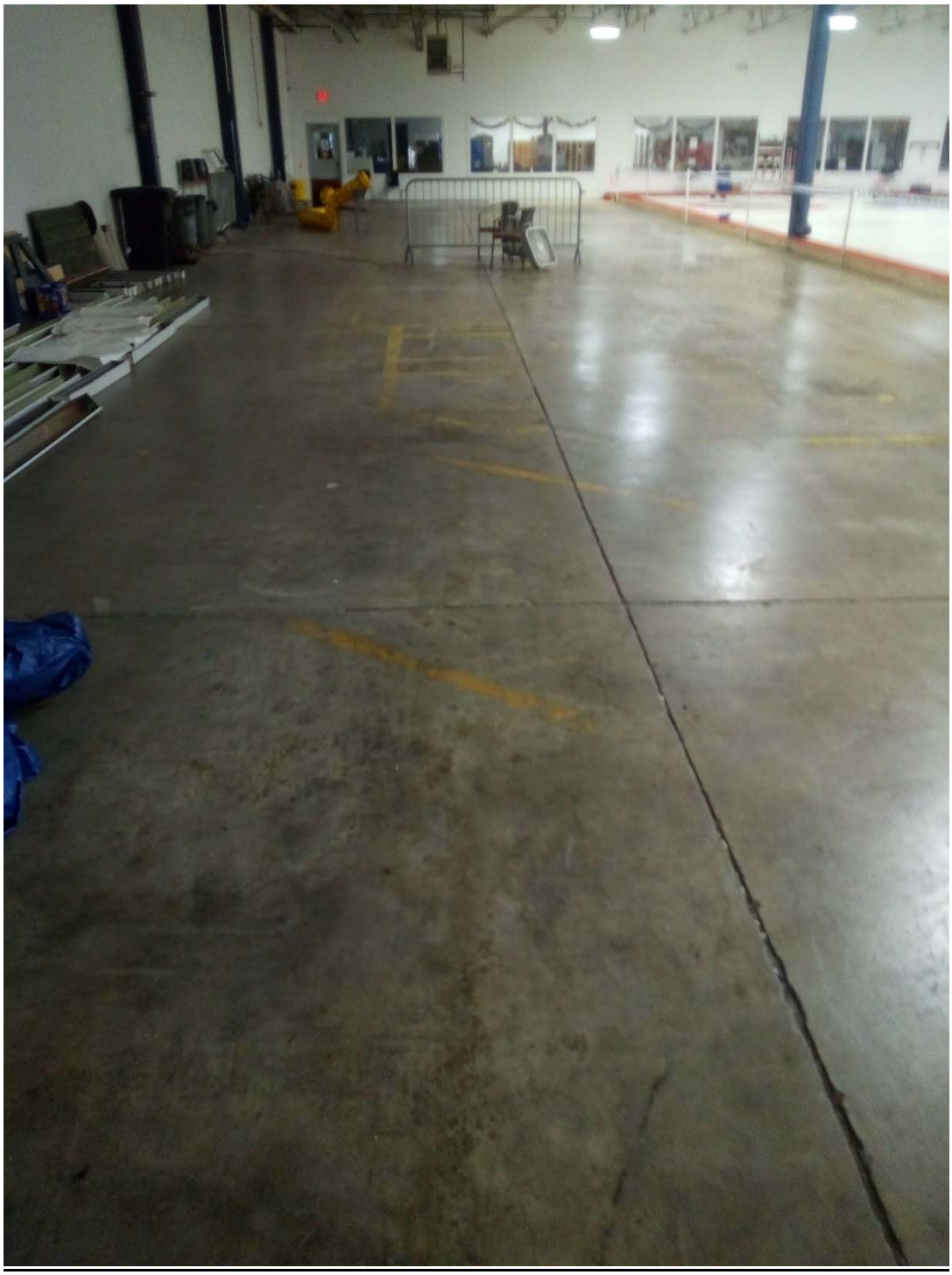
Concrete floor in lounge area of Buffalo Curling Club.

Site Photos



Concrete floor in lounge area of Buffalo Curling Club.

Site Photos



View of floor inside Buffalo Curling Club (ice area – south side).

Appendix C
Access Request Letter

LiRo Engineers, Inc.
A LiRo Group Company
690 Delaware Avenue, Buffalo, NY 14209 Telephone 716.882.5476 Facsimile 716.882.9640

November 1, 2022

Ms. Ashley Soto (or Current Occupant)
54 Lester Street
Buffalo, NY 14210

Re: Former Buffalo China Site
Brownfield Site #C915209
Request for Access – 54 Lester Street, Buffalo, New York

Dear Ms. Soto,

LiRo Engineers, Inc. (LiRo) has been retained by Hayes Place Management Group, Inc. (HPMG) to provide environmental engineering services at the Former Buffalo China (Brownfield Site #C915209) at 51 Hayes Street in Buffalo, New York. As part of the environmental engineering services, LiRo will be conducting groundwater monitoring and sampling on behalf of HPMG.

As part of the remediation and monitoring program, LiRo would like to request access to the groundwater monitoring well on your property located at 54 Lester Street.

LiRo is currently performing a groundwater sampling event for HPMG and is available to sample wells located on your property during the week of November 7, 2022. If there is a convenient day and time that the wells could be sampled please contact me at 716-970-4136 and the sampling will be scheduled. Following receipt of analytical data generated during sampling of the monitoring wells on your property, you will be provided with a copy of the sampling results within 30 days of our receipt of the laboratory report. For any future sampling events, LiRo will provide you with written notification prior to sampling.

Please review the attached indemnification agreement. If the terms of the agreement are acceptable please sign and return a copy in the enclosed self-addressed stamped envelope.

Should you require any additional information, please contact me directly at 716-970-4136 or by email at williamsj@liro.com.

Sincerely,

LiRo Engineers, Inc.

Jon Williams

Whereas LiRo Engineers, Inc. ("Contractor") is and will be performing certain work for Hayes Place Management Group, Inc. (“HPMG”) and is seeking access to the groundwater monitoring wells installed at the 54 Lester Street property owned by Ms. Ashley Soto (“Owner”) pursuant to an agreement for conducting in situ groundwater remediation and groundwater monitoring activities, Contractor and Owner hereby agree:

INDEMNIFICATION AGREEMENT

To the fullest extent permitted by law, Contractor agrees to indemnify, defend and hold harmless Owner and/or Managing Agent from any and all claims, suits, damages, liabilities, professional fees, including attorneys' fees, costs, court costs, expenses and disbursements related to death, personal injuries or property damage (including loss of use thereof) arising out of or in connection with the performance of the work of the Contractor, its agents, servants, subcontractors or employees, or the use by Contractor, its agents, servants, subcontractors or employees, of facilities owned by Owner. This agreement to indemnify specifically contemplates full indemnity in the event of liability imposed against the Owner and/or Managing Agent without negligence and solely by reason of statute, operation of law or otherwise, and partial indemnity in the event of any actual negligence on the part of Owner and/or Managing Agent either causing or contributing to the underlying claim. In that event, indemnification will be limited to any liability imposed over and above that percentage attributable to actual fault, whether by statute, by operation of law or otherwise.

INSURANCE PROCUREMENT

Contractor shall obtain and maintain at all times during the term of this agreement, at its sole cost and expense, the following insurance (a) workers compensation insurance with statutory limits and employer's liability coverage of not less than $500,000; (b) commercial general liability insurance with a minimum limit of $1,000,000 per occurrence and $2,000,000 in the aggregate, which insurance shall cover the following: premises and operations liability, products/completed operations, broad form property damage, broad form contractual liability, personal injury and independent contractor's liability; (c) automobile liability insurance covering owned, hired and non-owned vehicles, with a minimum limit of liability of $1,000,000; and (d) umbrella liability insurance with a limit of $3,000,000 per occurrence and a general aggregate of $3,000,000. Contractor shall, by specific endorsements to its primary and umbrella/excess liability policy, cause Owner and Managing Agent to be named as Additional insureds. Contractor shall, by specific endorsement to its primary liability policy, cause the coverage afforded to the additional insureds thereunder to be primary to and not concurrent with other valid and collectible insurance available to Owner and Managing Agent. Contractor shall, by specific endorsement to its umbrella/excess liability policy, cause the coverage afforded to the Owner and Managing Agent thereunder to be first tier umbrella/excess coverage above the primary coverage afforded to Owner and Managing Agent and not concurrent with or excess to other valid and collectible insurance available to Owner and Managing Agent.

Dated: November 1, 2022

Owner
By: _____

Contractor
By:_____

LiRo Engineers, Inc.
A LiRo Group Company
690 Delaware Avenue, Buffalo, NY 14209 Telephone 716.882.5476 Facsimile 716.882.9640

November 1, 2022

Mr. Gregory Wachowiak
103 Harrison Street
Buffalo, New York 14210

Re: Former Buffalo China Site
Brownfield Site #C915209
Request for Access – 103 Harrison Street

Dear Mr. Wachowiak,

LiRo Engineers, Inc. (LiRo) has been retained by Hayes Place Management Group, Inc. (HPMG) to provide environmental engineering services at the Former Buffalo China (Brownfield Site #C915209) at 51 Hayes Street in Buffalo, New York. As part of the environmental engineering services, LiRo will be conducting groundwater monitoring and sampling on behalf of HPMG.

As part of the remediation and monitoring program, LiRo would like to request access to the groundwater monitoring wells on your property located at 103 Harrison Street.

LiRo is currently performing a groundwater sampling event for HPMG and is available to sample wells located on your property during the week of November 7, 2022. If there is a convenient day and time that the wells could be sampled please contact me at 716-970-4136 and the sampling will be scheduled. Following receipt of analytical data generated during sampling of the monitoring wells on your property, you will be provided with a copy of the sampling results within 30 days of our receipt of the laboratory report. For any future sampling events, LiRo will provide you with written notification prior to sampling.

Please review the attached indemnification agreement. If the terms of the agreement are acceptable please sign and return a copy in the enclosed self-addressed stamped envelope.

Should you require any additional information, please contact me directly at 716-970-4136 or by email at williamsj@liro.com.

Sincerely,

LiRo Engineers, Inc.

Jon Williams

Whereas LiRo Engineers, Inc. ("Contractor") is and will be performing certain work for Hayes Place Management Group, Inc. (“HPMG”) and is seeking access to the groundwater monitoring wells installed at the 103 Harrison Street property owned by Mr. Gregory Wachowiak (“Owner”) pursuant to an agreement for conducting in situ groundwater remediation and groundwater monitoring activities, Contractor and Owner hereby agree:

INDEMNIFICATION AGREEMENT

To the fullest extent permitted by law, Contractor agrees to indemnify, defend and hold harmless Owner and/or Managing Agent from any and all claims, suits, damages, liabilities, professional fees, including attorneys' fees, costs, court costs, expenses and disbursements related to death, personal injuries or property damage (including loss of use thereof) arising out of or in connection with the performance of the work of the Contractor, its agents, servants, subcontractors or employees, or the use by Contractor, its agents, servants, subcontractors or employees, of facilities owned by Owner. This agreement to indemnify specifically contemplates full indemnity in the event of liability imposed against the Owner and/or Managing Agent without negligence and solely by reason of statute, operation of law or otherwise, and partial indemnity in the event of any actual negligence on the part of Owner and/or Managing Agent either causing or contributing to the underlying claim. In that event, indemnification will be limited to any liability imposed over and above that percentage attributable to actual fault, whether by statute, by operation of law or otherwise.

INSURANCE PROCUREMENT

Contractor shall obtain and maintain at all times during the term of this agreement, at its sole cost and expense, the following insurance (a) workers compensation insurance with statutory limits and employer's liability coverage of not less than $500,000; (b) commercial general liability insurance with a minimum limit of $1,000,000 per occurrence and $2,000,000 in the aggregate, which insurance shall cover the following: premises and operations liability, products/completed operations, broad form property damage, broad form contractual liability, personal injury and independent contractor's liability; (c) automobile liability insurance covering owned, hired and non-owned vehicles, with a minimum limit of liability of $1,000,000; and (d) umbrella liability insurance with a limit of $3,000,000 per occurrence and a general aggregate of $3,000,000. Contractor shall, by specific endorsements to its primary and umbrella/excess liability policy, cause Owner and Managing Agent to be named as Additional insureds. Contractor shall, by specific endorsement to its primary liability policy, cause the coverage afforded to the additional insureds thereunder to be primary to and not concurrent with other valid and collectible insurance available to Owner and Managing Agent. Contractor shall, by specific endorsement to its umbrella/excess liability policy, cause the coverage afforded to the Owner and Managing Agent thereunder to be first tier umbrella/excess coverage above the primary coverage afforded to Owner and Managing Agent and not concurrent with or excess to other valid and collectible insurance available to Owner and Managing Agent.

Dated: November 1, 2022

Owner
By: _____

Contractor
By:_____

LiRo Engineers, Inc.
A LiRo Group Company
690 Delaware Avenue, Buffalo, NY 14209 Telephone 716.882.5476 Facsimile 716.882.9640

November 1, 2022

Mr. Richard Runge (or Current Occupant)
127 Harrison Street
Buffalo, New York 14210

Re: Former Buffalo China Site
Brownfield Site #C915209
Request for Access – 127 Harrison Street

Dear Mr. Runge,

LiRo Engineers, Inc. (LiRo) has been retained by Hayes Place Management Group, Inc. (HPMG) to provide environmental engineering services at the Former Buffalo China (Brownfield Site #C915209) at 51 Hayes Street in Buffalo, New York. As part of the environmental engineering services, LiRo is conducting groundwater monitoring and soil vapor intrusion monitoring on behalf of HPMG.

The remediation and monitoring program is being conducted under a Site Management Plan (SMP) that has been approved by the New York State Department of Environmental Conservation (NYSDEC). A requirement of the SMP is that the sub-slab depressurization system that is installed at your property be checked at least once per year to ensure that it is working properly. Proper system operation ensures that potentially harmful contaminants cannot enter your home through the basement.

LiRo would like to request access to your property located at 127 Harrison Street in order to inspect and test the sub-slab depressurization system. Testing will require access to your basement to check for cracks in the floor, ensure the sump crock is sealed, and perform a vacuum pressure test at the sample point installed in the basement floor. We anticipate that the inspection and testing will take no longer than 30 minutes. We would like the schedule the inspection during the week of November 7, 2022.

LiRo will be happy to discuss the performance of the sub-slab depressurization system at the time of monitoring. If any deficiencies are identified with the operation of the system, LiRo will discuss these with you and schedule a convenient date and time to complete repairs.

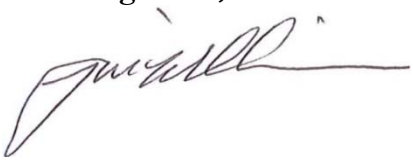
If you have any questions regarding soil vapor intrusion and/or contaminants associated with the Former Buffalo China Site you may also call Ms. Megan Kuczka, the NYSDEC project manager for the site at (716)-851-7220. Arrangements could also be made to have Ms. Kuczka present during the testing.

Please review the attached indemnification agreement. If the terms of the agreement are agreeable please sign and return a copy in the enclosed self-addressed stamped envelope and indicate what would be a convenient date and time for you to have the inspection performed.

Should you require any additional information and to schedule a convenient time for the monitoring, please contact me directly at 716-970-4136 or by email at williamsj@liro.com.

Sincerely,

LiRo Engineers, Inc.



Jon Williams

Whereas LiRo Engineers, Inc. ("Contractor") is and will be performing certain work for Hayes Place Management Group, Inc. (“HPMG”) and is seeking access to the groundwater monitoring wells installed at the 127 Harrison Street property owned by Mr. Richard Runge (“Owner”) pursuant to an agreement for conducting in situ groundwater remediation and groundwater monitoring activities, Contractor and Owner hereby agree:

INDEMNIFICATION AGREEMENT

To the fullest extent permitted by law, Contractor agrees to indemnify, defend and hold harmless Owner and/or Managing Agent from any and all claims, suits, damages, liabilities, professional fees, including attorneys' fees, costs, court costs, expenses and disbursements related to death, personal injuries or property damage (including loss of use thereof) arising out of or in connection with the performance of the work of the Contractor, its agents, servants, subcontractors or employees, or the use by Contractor, its agents, servants, subcontractors or employees, of facilities owned by Owner. This agreement to indemnify specifically contemplates full indemnity in the event of liability imposed against the Owner and/or Managing Agent without negligence and solely by reason of statute, operation of law or otherwise, and partial indemnity in the event of any actual negligence on the part of Owner and/or Managing Agent either causing or contributing to the underlying claim. In that event, indemnification will be limited to any liability imposed over and above that percentage attributable to actual fault, whether by statute, by operation of law or otherwise.

INSURANCE PROCUREMENT

Contractor shall obtain and maintain at all times during the term of this agreement, at its sole cost and expense, the following insurance (a) workers compensation insurance with statutory limits and employer's liability coverage of not less than $500,000; (b) commercial general liability insurance with a minimum limit of $1,000,000 per occurrence and $2,000,000 in the aggregate, which insurance shall cover the following: premises and operations liability, products/completed operations, broad form property damage, broad form contractual liability, personal injury and independent contractor's liability; (c) automobile liability insurance covering owned, hired and non-owned vehicles, with a minimum limit of liability of $1,000,000; and (d) umbrella liability insurance with a limit of $3,000,000 per occurrence and a general aggregate of $3,000,000. Contractor shall, by specific endorsements to its primary and umbrella/excess liability policy, cause Owner and Managing Agent to be named as Additional insureds. Contractor shall, by specific endorsement to its primary liability policy, cause the coverage afforded to the additional insureds thereunder to be primary to and not concurrent with other valid and collectible insurance available to Owner and Managing Agent. Contractor shall, by specific endorsement to its umbrella/excess liability policy, cause the coverage afforded to the Owner and Managing Agent thereunder to be first tier umbrella/excess coverage above the primary coverage afforded to Owner and Managing Agent and not concurrent with or excess to other valid and collectible insurance available to Owner and Managing Agent.

Dated: November 1, 2022

Owner
By: _____

Contractor
By:_____

127 Harrison Street Vapor Intrusion Inspection Appointment – November 7 through 11, 2022

Preferred day for inspection:

Preferred time for inspection:

Please provide a contact number if we need to reach you regarding the inspection:

In the event that you are unavailable during regular business hours (8:00 – 5:00) during the week of November 7, 2022, please contact Mr. Jon Williams of LiRo Engineers, Inc. at 716-534-7169 so that alternate arrangements for the inspection can be made.

LiRo Engineers, Inc.
A LiRo Group Company
690 Delaware Avenue, Buffalo, NY 14209 Telephone 716.882.5476 Facsimile 716.882.9640

November 1, 2022

Mr. Charles Campanella
PO Box 451
Buffalo, New York 14207

Re: Former Buffalo China Site
Brownfield Site #C915209
Request for Access – 141 Milton Street

Dear Mr. Campanella,

LiRo Engineers, Inc. (LiRo) has been retained by Hayes Place Management Group, Inc. (HPMG) to provide environmental engineering services at the Former Buffalo China (Brownfield Site #C915209) at 51 Hayes Street in Buffalo, New York. As part of the environmental engineering services, LiRo will be conducting groundwater monitoring and sampling on behalf of HPMG.

As part of the remediation and monitoring program, LiRo would like to request access to the groundwater monitoring well on your property located at 141 Milton Street.

LiRo is currently performing a groundwater sampling event for HPMG and is available to sample wells located on your property during the week of November 7, 2022. If there is a convenient day and time that the wells could be sampled please contact me at 716-970-4136 and the sampling will be scheduled. Following receipt of analytical data generated during sampling of the monitoring wells on your property, you will be provided with a copy of the sampling results within 30 days of our receipt of the laboratory report. For any future sampling events, LiRo will provide you with written notification prior to sampling.

Please review the attached indemnification agreement. If the terms of the agreement are acceptable please sign and return a copy in the enclosed self-addressed stamped envelope.

Should you require any additional information, please contact me directly at 716-970-4136 or by email at williamsj@liro.com.

Sincerely,

LiRo Engineers, Inc.

Jon Williams

Whereas LiRo Engineers, Inc. ("Contractor") is and will be performing certain work for Hayes Place Management Group, Inc. (“HPMG”) and is seeking access to the groundwater monitoring wells installed at the 141 Milton Street property owned by Mr. Charles Campanella (“Owner”) pursuant to an agreement for conducting in situ groundwater remediation and groundwater monitoring activities, Contractor and Owner hereby agree:

INDEMNIFICATION AGREEMENT

To the fullest extent permitted by law, Contractor agrees to indemnify, defend and hold harmless Owner and/or Managing Agent from any and all claims, suits, damages, liabilities, professional fees, including attorneys' fees, costs, court costs, expenses and disbursements related to death, personal injuries or property damage (including loss of use thereof) arising out of or in connection with the performance of the work of the Contractor, its agents, servants, subcontractors or employees, or the use by Contractor, its agents, servants, subcontractors or employees, of facilities owned by Owner. This agreement to indemnify specifically contemplates full indemnity in the event of liability imposed against the Owner and/or Managing Agent without negligence and solely by reason of statute, operation of law or otherwise, and partial indemnity in the event of any actual negligence on the part of Owner and/or Managing Agent either causing or contributing to the underlying claim. In that event, indemnification will be limited to any liability imposed over and above that percentage attributable to actual fault, whether by statute, by operation of law or otherwise.

INSURANCE PROCUREMENT

Contractor shall obtain and maintain at all times during the term of this agreement, at its sole cost and expense, the following insurance (a) workers compensation insurance with statutory limits and employer's liability coverage of not less than $500,000; (b) commercial general liability insurance with a minimum limit of $1,000,000 per occurrence and $2,000,000 in the aggregate, which insurance shall cover the following: premises and operations liability, products/completed operations, broad form property damage, broad form contractual liability, personal injury and independent contractor's liability; (c) automobile liability insurance covering owned, hired and non-owned vehicles, with a minimum limit of liability of $1,000,000; and (d) umbrella liability insurance with a limit of $3,000,000 per occurrence and a general aggregate of $3,000,000. Contractor shall, by specific endorsements to its primary and umbrella/excess liability policy, cause Owner and Managing Agent to be named as Additional insureds. Contractor shall, by specific endorsement to its primary liability policy, cause the coverage afforded to the additional insureds thereunder to be primary to and not concurrent with other valid and collectible insurance available to Owner and Managing Agent. Contractor shall, by specific endorsement to its umbrella/excess liability policy, cause the coverage afforded to the Owner and Managing Agent thereunder to be first tier umbrella/excess coverage above the primary coverage afforded to Owner and Managing Agent and not concurrent with or excess to other valid and collectible insurance available to Owner and Managing Agent.

Dated: November 1, 2022

Owner
By: _____

Contractor
By:_____

LiRo Engineers, Inc.
A LiRo Group Company
690 Delaware Avenue, Buffalo, NY 14209 Telephone 716.882.5476 Facsimile 716.882.9640

November 1, 2022

Mr. Brendan Mehaffy
Executive Director
City of Buffalo Office of Strategic Planning
901 City Hall
Buffalo, New York 14202

Re: Former Buffalo China Site
Brownfield Site #C915209
Request for Access – 118 Harrison Street and the Harrison Street Right of Way behind 141 Milton Street

Dear Mr. Mehaffy,

LiRo Engineers, Inc. (LiRo) has been retained by Hayes Place Management Group, Inc. (HPMG) to provide environmental engineering services at the Former Buffalo China (Brownfield Site #C915209) at 51 Hayes Street in Buffalo, New York. As part of the environmental engineering services, LiRo will be conducting groundwater monitoring and sampling on behalf of HPMG.

As part of the remediation and monitoring program, LiRo would like to request access to groundwater monitoring wells on properties owned by the City of Buffalo including 118 Harrison Street and the Harrison Street Right of Way (ROW) behind 141 Milton Street.

LiRo is currently performing a groundwater sampling event for HPMG and is available to sample wells located on your property during the week of November 7, 2022. If there is a convenient day and time that the wells could be sampled please contact me at 716-970-4136 and the sampling will be scheduled. Following receipt of analytical data generated during sampling of the monitoring wells on your property, you will be provided with a copy of the sampling results within 30 days of our receipt of the laboratory report. For any future sampling events, LiRo will provide you with written notification prior to sampling.

Please review the attached indemnification agreement. If the terms of the agreement are acceptable please sign and return a copy in the enclosed self-addressed stamped envelope.

Should you require any additional information, please contact me directly at 716-970-4136 or by email at williamsj@liro.com.

Sincerely,

LiRo Engineers, Inc.

Jon Williams

Whereas LiRo Engineers, Inc. ("Contractor") is and will be performing certain work for Hayes Place Management Group, Inc. (“HPMG”) and is seeking access to groundwater monitoring wells installed on City of Buffalo (“Owner”) properties located at 118 Harrison Street and the Harrison Street Right of Way (ROW) behind 141 Milton Street pursuant to an agreement for conducting in situ groundwater remediation and groundwater monitoring activities, Contractor and Owner hereby agree:

INDEMNIFICATION AGREEMENT

To the fullest extent permitted by law, Contractor agrees to indemnify, defend and hold harmless Owner and/or Managing Agent from any and all claims, suits, damages, liabilities, professional fees, including attorneys' fees, costs, court costs, expenses and disbursements related to death, personal injuries or property damage (including loss of use thereof) arising out of or in connection with the performance of the work of the Contractor, its agents, servants, subcontractors or employees, or the use by Contractor, its agents, servants, subcontractors or employees, of facilities owned by Owner. This agreement to indemnify specifically contemplates full indemnity in the event of liability imposed against the Owner and/or Managing Agent without negligence and solely by reason of statute, operation of law or otherwise, and partial indemnity in the event of any actual negligence on the part of Owner and/or Managing Agent either causing or contributing to the underlying claim. In that event, indemnification will be limited to any liability imposed over and above that percentage attributable to actual fault, whether by statute, by operation of law or otherwise.

INSURANCE PROCUREMENT

Contractor shall obtain and maintain at all times during the term of this agreement, at its sole cost and expense, the following insurance (a) workers compensation insurance with statutory limits and employer's liability coverage of not less than $500,000; (b) commercial general liability insurance with a minimum limit of $1,000,000 per occurrence and $2,000,000 in the aggregate, which insurance shall cover the following: premises and operations liability, products/completed operations, broad form property damage, broad form contractual liability, personal injury and independent contractor's liability; (c) automobile liability insurance covering owned, hired and non-owned vehicles, with a minimum limit of liability of $1,000,000; and (d) umbrella liability insurance with a limit of $3,000,000 per occurrence and a general aggregate of $3,000,000. Contractor shall, by specific endorsements to its primary and umbrella/excess liability policy, cause Owner and Managing Agent to be named as Additional insureds. Contractor shall, by specific endorsement to its primary liability policy, cause the coverage afforded to the additional insureds thereunder to be primary to and not concurrent with other valid and collectible insurance available to Owner and Managing Agent. Contractor shall, by specific endorsement to its umbrella/excess liability policy, cause the coverage afforded to the Owner and Managing Agent thereunder to be first tier umbrella/excess coverage above the primary coverage afforded to Owner and Managing Agent and not concurrent with or excess to other valid and collectible insurance available to Owner and Managing Agent.

Dated: November 1, 2022

Owner
By: _____
Contractor
By:_____

Appendix D
Laboratory Analytical Reports
(Included on Attached CD)

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2263244

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Table of Contents

Table of Contents

Table of Contents

Project Name: FORMER BUFFALO CHINA
Project Number: FORMER BUFFALO CHINA

Lab Number: L2263244
Report Date: 11/28/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2263244-01	MW-8A	WATER	HAYES PLACE, BUFFALO	11/08/22 09:30	11/10/22
L2263244-02	MW-08	WATER	HAYES PLACE, BUFFALO	11/08/22 10:00	11/10/22
L2263244-03	MW-26	WATER	HAYES PLACE, BUFFALO	11/08/22 10:30	11/10/22
L2263244-04	MW-26A	WATER	HAYES PLACE, BUFFALO	11/08/22 11:00	11/10/22
L2263244-05	MW-09	WATER	HAYES PLACE, BUFFALO	11/08/22 11:30	11/10/22
L2263244-06	MW-09A	WATER	HAYES PLACE, BUFFALO	11/08/22 12:00	11/10/22
L2263244-07	MW-25A	WATER	HAYES PLACE, BUFFALO	11/08/22 13:00	11/10/22
L2263244-08	MW-10	WATER	HAYES PLACE, BUFFALO	11/08/22 13:30	11/10/22
L2263244-09	MW-06	WATER	HAYES PLACE, BUFFALO	11/08/22 13:40	11/10/22
L2263244-10	MW-20A	WATER	HAYES PLACE, BUFFALO	11/08/22 14:15	11/10/22
L2263244-11	MW-7A	WATER	HAYES PLACE, BUFFALO	11/09/22 08:20	11/10/22
L2263244-12	MW-7	WATER	HAYES PLACE, BUFFALO	11/09/22 08:40	11/10/22
L2263244-13	MW-19A	WATER	HAYES PLACE, BUFFALO	11/09/22 09:15	11/10/22
L2263244-14	MW-19AR	WATER	HAYES PLACE, BUFFALO	11/09/22 09:45	11/10/22
L2263244-15	MW-21A	WATER	HAYES PLACE, BUFFALO	11/09/22 10:00	11/10/22
L2263244-16	DUP-01	WATER	HAYES PLACE, BUFFALO	11/09/22 10:15	11/10/22
L2263244-17	MW-5R	WATER	HAYES PLACE, BUFFALO	11/09/22 10:30	11/10/22
L2263244-18	MW-5AR	WATER	HAYES PLACE, BUFFALO	11/09/22 11:00	11/10/22
L2263244-19	MW-13A	WATER	HAYES PLACE, BUFFALO	11/09/22 12:00	11/10/22
L2263244-20	MW-11	WATER	HAYES PLACE, BUFFALO	11/09/22 12:30	11/10/22
L2263244-21	MW-15A	WATER	HAYES PLACE, BUFFALO	11/09/22 14:00	11/10/22
L2263244-22	TRIP BLANK	WATER	HAYES PLACE, BUFFALO	11/09/22 00:00	11/10/22

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.

Volatile Organics

L2263244-15D and -16D: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

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

Authorized Signature: Kelly Stenstrom Report Date: 11/28/22

Title: Technical Director/Representative

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).

ND - 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 : L2263244

Received : 10-NOV-2022
Reviewer : Melissa Wood

Account Name : The LiRo Group
Project Number : FORMER BUFFALO CHINA
Project Name : FORMER BUFFALO CHINA

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

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

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 sample labels & COC?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

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

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Nov 28 2022, 02:57 pm

Login Number: L2263244
Account: LIRO-BUFF The LiRo GroupProject: FORMER BUFFALO CHINA
Received: 10NOV22 Due Date: 28NOV22

Sample #	Client ID	Mat	PR	Collected
L2263244-01	MW-8A	1	S0	08NOV22 09:30
8260 - List built ASP-B Package Due Date: 11/28/22				
ASP-B,E&I-FEE,NYTCL-8260-R2				
L2263244-02	MW-08	1	S0	08NOV22 10:00
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-03	MW-26	1	S0	08NOV22 10:30
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-04	MW-26A	1	S0	08NOV22 11:00
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-05	MW-09	1	S0	08NOV22 11:30
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-06	MW-09A	1	S0	08NOV22 12:00
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-07	MW-25A	1	S0	08NOV22 13:00
8260 - List built Package Due Date: 11/28/22				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Nov 28 2022, 02:57 pm

Login Number: L2263244
Account: LIRO-BUFF The LiRo GroupProject: FORMER BUFFALO CHINA
Received: 10NOV22 Due Date: 28NOV22

Sample #	Client ID	Mat	PR	Collected
NYTCL-8260-R2				
L2263244-08	MW-10		1	S0 08NOV22 13:30
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-09	MW-06		1	S0 08NOV22 13:40
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-10	MW-20A		1	S0 08NOV22 14:15
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-11	MW-7A		1	S0 09NOV22 08:20
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-12	MW-7		1	S0 09NOV22 08:40
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-13	MW-19A		1	S0 09NOV22 09:15
8260 - List built L2263244-13 MS L2263244-13 MSD Package Due Date: 11/28/22				
MS/MSD,NYTCL-8260-R2				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Nov 28 2022, 02:57 pm

Login Number: L2263244
Account: LIRO-BUFF The LiRo Group Project: FORMER BUFFALO CHINA
Received: 10NOV22 Due Date: 28NOV22

Sample #	Client ID	Mat	PR	Collected
L2263244-14	MW-19AR	1	S0	09NOV22 09:45
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-15	MW-21A	1	S0	09NOV22 10:00
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-16	DUP-01	1	S0	09NOV22 10:15
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-17	MW-5R	1	S0	09NOV22 10:30
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-18	MW-5AR	1	S0	09NOV22 11:00
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-19	MW-13A	1	S0	09NOV22 12:00
8260 - List built Package Due Date: 11/28/22				
NYTCL-8260-R2				
L2263244-20	MW-11	1	S0	09NOV22 12:30
8260 - List built Package Due Date: 11/28/22				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Nov 28 2022, 02:57 pm

Login Number: L2263244
Account: LIRO-BUFF The LiRo GroupProject: FORMER BUFFALO CHINA
Received: 10NOV22 Due Date: 28NOV22

Sample #	Client ID		Mat	PR	Collected
NYTCL-8260-R2					
L2263244-21	MW-15A		1 S0		09NOV22 14:00
8260 - List built Package Due Date: 11/28/22					
NYTCL-8260-R2					
L2263244-22	TRIP BLANK		1 S0		09NOV22 00:00
8260 - List built Package Due Date: 11/28/22					
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 3

Date Rec'd in Lab: 11/11/22

ALPHA Job #: L2263244

Client Information

Client: LiRo Engineers, Inc.
Address: 690 Delaware Ave.
Buffalo NY 14209
Phone: 716-882-5476
Fax:
Email: williams@liro.com

Project Information

Project Name: Former Buffalo Chiller
Project Location: Hayes Place, Buffalo
Project #
(Use Project name as Project #) [X]
Project Manager:
ALPHAQuote #: 405141

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [X] EQuIS (4 File)
[ ] Other

Regulatory Requirement

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

Billing Information

[X] Same as Client Info
PO #

Disposal Site Information

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

[ ] These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOCs

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Sample Specific Comments
03244-01	MW-8A	11/8/22	0930	W	JD	X	
02	MW-08		1000			X	
03	MW-26		1030			X	
04	MW-26A		1100			X	
05	MW-09		1130			X	
06	MW-09A		1200			X	
07	MW-25A		1300			X	
08	MW-10		1330			X	
09	MW-06		1340			X	
10	MW-20A		1415			X	

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

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

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

Container Type	V	
Preservative	B	

Relinquished By:	Date/Time	Received By:	Date/Time
	11/10/22 1335		11/10/22 1335
	11/10/22 1335		11/11/22 0020

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Page 2 of 3

Date Rec'd in Lab: 11/11/22

ALPHA Job #: L2263244

Client Information
Client: LiRo Engineers, Inc.
Address:
Phone:
Fax:
Email:

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

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Bottle	Sample Specific Comments
63244-11	MW-7A	11/9/22	0820	W	JW	X		
12	MW-7		0840			X		
13	MW-19A MS/MSD		0915			X		
14	MW-19AR		0945			X		
15	MW-21A		1000			X		
16	DUP-01		1015			X		
17	MW-5R		1030			X		
18	MW-5AR		1100			X		
19	MW-13A		1200			X		
20	MW-11		1230			X		

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
	11/10/22 1335		11/10/22 1335
	11/10/22 1835		11/10/22 0020

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

NEW YORK CHAIN OF CUSTODY

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Page 3 of 3

Date Rec'd in Lab: 11/11/22

ALPHA Job #: L2263744

Client Information
Client: LiRo Engineers, Inc
Address:
Phone:
Fax:
Email:

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

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Bottle	Sample Specific Comments
63744-21	~~MW-13-JW~~ MW-15A	11/9/22	1400	W	JW	X		
22	Trip Blank	—	—	—	—	X		

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11/10/22 1335	[signature] AMC	11/10/22 1337
[signature] AMC	11/11/22 1335	[signature]	11/11/22 0020

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: The LiRo Group
Project Name: FORMER BUFFALO CHINA

Lab Number: L2263244
Project Number: FORMER BUFFALO CHINA
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-8A (L2263244-01)	107	103	103	97	0
MW-08 (L2263244-02)	108	103	103	99	0
MW-26 (L2263244-03)	110	105	81	97	0
MW-26A (L2263244-04)	110	79	101	97	0
MW-09 (L2263244-05)	112	79	103	99	0
MW-09A (L2263244-06)	106	93	109	117	0
MW-25A (L2263244-07)	111	79	102	98	0
MW-10 (L2263244-08)	115	103	104	102	0
MW-06 (L2263244-09D)	111	103	80	100	0
MW-20A (L2263244-10D)	101	96	92	106	0
MW-7A (L2263244-11)	112	100	100	107	0
MW-7 (L2263244-12)	109	99	105	106	0
MW-19A (L2263244-13)	110	102	101	107	0
MW-19AR (L2263244-14D)	111	100	100	108	0
MW-21A (L2263244-15D)	108	97	99	108	0
DUP-01 (L2263244-16D)	109	102	99	107	0
MW-5R (L2263244-17D)	109	102	102	107	0
MW-5AR (L2263244-18D)	106	102	101	103	0
MW-13A (L2263244-19D)	112	97	97	108	0
MW-11 (L2263244-20D)	109	101	94	109	0
MW-15A (L2263244-21)	112	99	103	110	0
TRIP BLANK (L2263244-22)	109	101	96	107	0
WG1714394-3LCS	96	102	104	97	0
WG1714394-4LCSD	100	103	105	99	0
WG1714394-5BLANK	101	103	105	97	0
WG1714765-3LCS	98	99	92	102	0
WG1714765-4LCSD	98	98	92	102	0
WG1714765-5BLANK	102	97	92	105	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

Surrogate Recovery Summary
Form 2
Volatiles

Client: The LiRo Group
Project Name: FORMER BUFFALO CHINA

Lab Number: L2263244
Project Number: FORMER BUFFALO CHINA
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
WG1714899-3LCS	101	102	95	102	0
WG1714899-4LCSD	103	101	94	101	0
WG1714899-5BLANK	107	103	102	103	0
MW-19AMS	104	101	93	101	0
MW-19AMSD	100	101	96	100	0
WG1714939-3LCS	89	101	106	96	0
WG1714939-4LCSD	91	101	106	95	0
WG1714939-5BLANK	101	94	112	112	0
WG1715252-3LCS	105	100	96	103	0
WG1715252-4LCSD	105	103	95	100	0
WG1715252-5BLANK	110	99	103	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**

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1714394-3	**Analysis Date** : 11/18/22 08:09	**File ID** : V01221118A01
LCSD Sample ID	: WG1714394-4	**Analysis Date** : 11/18/22 10:07	**File ID** : V01221118A06

	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	10	100	10	70-130	20
1,1-Dichloroethane	10	11	110	10	10	100	10	70-130	20
Chloroform	10	12	120	10	11	110	9	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	11	110	10	10	100	10	70-130	20
Dibromochloromethane	10	9.8	98	10	9.7	97	1	63-130	20
1,1,2-Trichloroethane	10	10	100	10	10	100	0	70-130	20
Tetrachloroethene	10	12	120	10	11	110	9	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	11	110	10	9.8	98	12	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	12	120	10	10	100	18	67-130	20
Bromodichloromethane	10	11	110	10	10	100	10	67-130	20
trans-1,3-Dichloropropene	10	10	100	10	10	100	0	70-130	20
cis-1,3-Dichloropropene	10	11	110	10	10	100	10	70-130	20
Bromoform	10	9.2	92	10	9.4	94	2	54-136	20
1,1,2,2-Tetrachloroethane	10	9.4	94	10	9.7	97	3	67-130	20
Benzene	10	11	110	10	10	100	10	70-130	20
Toluene	10	11	110	10	9.9	99	11	70-130	20
Ethylbenzene	10	11	110	10	10	100	10	70-130	20
Chloromethane	10	6.8	68	10	5.8	58 Q	16	64-130	20
Bromomethane	10	2.5	25 Q	10	2.4	24 Q	4	39-139	20
Vinyl chloride	10	10	100	10	9.0	90	11	55-140	20
Chloroethane	10	11	110	10	9.6	96	14	55-138	20
1,1-Dichloroethene	10	11	110	10	9.7	97	13	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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1714394-3 **Analysis Date** : 11/18/22 08:09	**File ID**	: V01221118A01
LCSD Sample ID	: WG1714394-4 **Analysis Date** : 11/18/22 10:07	**File ID**	: V01221118A06

	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	11	110	10	9.7	97	13	70-130	20
1,2-Dichlorobenzene	10	10	100	10	9.7	97	3	70-130	20
1,3-Dichlorobenzene	10	10	100	10	9.7	97	3	70-130	20
1,4-Dichlorobenzene	10	10	100	10	9.6	96	4	70-130	20
Methyl tert butyl ether	10	9.9	99	10	9.8	98	1	63-130	20
p/m-Xylene	20	22	110	20	20	100	10	70-130	20
o-Xylene	20	21	105	20	20	100	5	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Styrene	20	20	100	20	19	95	5	70-130	20
Dichlorodifluoromethane	10	9.4	94	10	8.0	80	16	36-147	20
Acetone	10	7.1	71	10	6.8	68	4	58-148	20
Carbon disulfide	10	8.4	84	10	7.0	70	18	51-130	20
2-Butanone	10	7.2	72	10	7.8	78	8	63-138	20
4-Methyl-2-pentanone	10	8.6	86	10	8.8	88	2	59-130	20
2-Hexanone	10	8.0	80	10	8.4	84	5	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
1,2-Dibromoethane	10	9.8	98	10	10	100	2	70-130	20
1,2-Dibromo-3-chloropropane	10	7.6	76	10	8.6	86	12	41-144	20
Isopropylbenzene	10	10	100	10	9.6	96	4	70-130	20
1,2,3-Trichlorobenzene	10	8.6	86	10	9.7	97	12	70-130	20
1,2,4-Trichlorobenzene	10	9.9	99	10	10	100	1	70-130	20
Methyl Acetate	10	8.3	83	10	8.3	83	0	70-130	20
Cyclohexane	10	11	110	10	9.5	95	15	70-130	20
1,4-Dioxane	500	320	64	500	280	56	13	56-162	20
Freon-113	10	11	110	10	9.6	96	14	70-130	20
Methyl cyclohexane	10	12	120	10	10	100	18	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1714765-3	**Analysis Date** : 11/20/22 08:28	**File ID** : V16221120A01
LCSD Sample ID	: WG1714765-4	**Analysis Date** : 11/20/22 08:52	**File ID** : V16221120A02

	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	9.9	99	1	70-130	20
1,1-Dichloroethane	10	10	100	10	9.7	97	3	70-130	20
Chloroform	10	10	100	10	9.9	99	1	70-130	20
Carbon tetrachloride	10	9.5	95	10	9.1	91	4	63-132	20
1,2-Dichloropropane	10	9.7	97	10	9.4	94	3	70-130	20
Dibromochloromethane	10	9.6	96	10	9.4	94	2	63-130	20
1,1,2-Trichloroethane	10	9.7	97	10	9.7	97	0	70-130	20
Tetrachloroethene	10	9.0	90	10	8.8	88	2	70-130	20
Chlorobenzene	10	9.9	99	10	9.7	97	2	75-130	20
Trichlorofluoromethane	10	9.8	98	10	9.5	95	3	62-150	20
1,2-Dichloroethane	10	9.9	99	10	9.7	97	2	70-130	20
1,1,1-Trichloroethane	10	9.4	94	10	9.0	90	4	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	9.1	91	10	9.1	91	0	70-130	20
cis-1,3-Dichloropropene	10	9.6	96	10	9.5	95	1	70-130	20
Bromoform	10	8.5	85	10	8.4	84	1	54-136	20
1,1,2,2-Tetrachloroethane	10	9.3	93	10	9.4	94	1	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	9.7	97	10	9.2	92	5	70-130	20
Ethylbenzene	10	9.3	93	10	9.0	90	3	70-130	20
Chloromethane	10	9.0	90	10	8.4	84	7	64-130	20
Bromomethane	10	6.7	67	10	7.0	70	4	39-139	20
Vinyl chloride	10	9.4	94	10	9.0	90	4	55-140	20
Chloroethane	10	10	100	10	9.8	98	2	55-138	20
1,1-Dichloroethene	10	9.2	92	10	8.9	89	3	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	9.7	97	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1714765-3	**Analysis Date** : 11/20/22 08:28	**File ID** : V16221120A01
LCSD Sample ID	: WG1714765-4	**Analysis Date** : 11/20/22 08:52	**File ID** : V16221120A02

	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	9.5	95	10	9.3	93	2	70-130	20
1,2-Dichlorobenzene	10	9.1	91	10	8.9	89	2	70-130	20
1,3-Dichlorobenzene	10	9.2	92	10	8.8	88	4	70-130	20
1,4-Dichlorobenzene	10	9.2	92	10	9.0	90	2	70-130	20
Methyl tert butyl ether	10	9.0	90	10	8.9	89	1	63-130	20
p/m-Xylene	20	19	95	20	18	90	5	70-130	20
o-Xylene	20	19	95	20	18	90	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.8	98	2	70-130	20
Styrene	20	19	95	20	19	95	0	70-130	20
Dichlorodifluoromethane	10	8.1	81	10	7.6	76	6	36-147	20
Acetone	10	8.6	86	10	8.2	82	5	58-148	20
Carbon disulfide	10	9.5	95	10	9.0	90	5	51-130	20
2-Butanone	10	8.9	89	10	8.8	88	1	63-138	20
4-Methyl-2-pentanone	10	7.6	76	10	7.6	76	0	59-130	20
2-Hexanone	10	6.9	69	10	7.2	72	4	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	9.4	94	10	9.3	93	1	70-130	20
1,2-Dibromo-3-chloropropane	10	7.8	78	10	8.0	80	3	41-144	20
Isopropylbenzene	10	8.6	86	10	7.5	75	14	70-130	20
1,2,3-Trichlorobenzene	10	7.8	78	10	7.8	78	0	70-130	20
1,2,4-Trichlorobenzene	10	7.9	79	10	7.8	78	1	70-130	20
Methyl Acetate	10	9.9	99	10	9.6	96	3	70-130	20
Cyclohexane	10	8.5	85	10	8.2	82	4	70-130	20
1,4-Dioxane	500	500	100	500	480	96	4	56-162	20
Freon-113	10	9.4	94	10	9.0	90	4	70-130	20
Methyl cyclohexane	10	7.8	78	10	7.5	75	4	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1714899-3	**Analysis Date** : 11/19/22 19:02	**File ID** : V08221119N01
LCSD Sample ID	: WG1714899-4	**Analysis Date** : 11/19/22 19:22	**File ID** : V08221119N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	8.7	87	10	8.7	87	0	70-130	20
1,1-Dichloroethane	10	9.8	98	10	9.5	95	3	70-130	20
Chloroform	10	9.1	91	10	9.0	90	1	70-130	20
Carbon tetrachloride	10	8.7	87	10	8.8	88	1	63-132	20
1,2-Dichloropropane	10	9.6	96	10	9.2	92	4	70-130	20
Dibromochloromethane	10	8.4	84	10	8.5	85	1	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	9.3	93	1	70-130	20
Tetrachloroethene	10	8.7	87	10	8.6	86	1	70-130	20
Chlorobenzene	10	9.2	92	10	9.0	90	2	75-130	20
Trichlorofluoromethane	10	10	100	10	10	100	0	62-150	20
1,2-Dichloroethane	10	9.1	91	10	9.0	90	1	70-130	20
1,1,1-Trichloroethane	10	8.7	87	10	8.9	89	2	67-130	20
Bromodichloromethane	10	8.9	89	10	8.8	88	1	67-130	20
trans-1,3-Dichloropropene	10	8.6	86	10	8.6	86	0	70-130	20
cis-1,3-Dichloropropene	10	8.4	84	10	8.6	86	2	70-130	20
Bromoform	10	7.6	76	10	7.6	76	0	54-136	20
1,1,2,2-Tetrachloroethane	10	9.3	93	10	9.9	99	6	67-130	20
Benzene	10	9.2	92	10	9.4	94	2	70-130	20
Toluene	10	9.1	91	10	9.0	90	1	70-130	20
Ethylbenzene	10	9.0	90	10	8.9	89	1	70-130	20
Chloromethane	10	8.9	89	10	8.8	88	1	64-130	20
Bromomethane	10	8.9	89	10	9.2	92	3	39-139	20
Vinyl chloride	10	10	100	10	10	100	0	55-140	20
Chloroethane	10	20	200 Q	10	21	210 Q	5	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20
trans-1,2-Dichloroethene	10	9.4	94	10	8.9	89	5	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : The LiRo Group
Lab Number : L2263244
Project Name : FORMER BUFFALO CHINA
Project Number : FORMER BUFFALO CHINA
Matrix : WATER
LCS Sample ID : WG1714899-3 **Analysis Date** : 11/19/22 19:02 **File ID** : V08221119N01
LCSD Sample ID : WG1714899-4 **Analysis Date** : 11/19/22 19:22 **File ID** : V08221119N02

	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	8.6	86	10	8.8	88	2	70-130	20
1,2-Dichlorobenzene	10	8.6	86	10	8.7	87	1	70-130	20
1,3-Dichlorobenzene	10	8.8	88	10	8.8	88	0	70-130	20
1,4-Dichlorobenzene	10	8.6	86	10	8.7	87	1	70-130	20
Methyl tert butyl ether	10	8.0	80	10	8.0	80	0	63-130	20
p/m-Xylene	20	18	90	20	17	85	6	70-130	20
o-Xylene	20	18	90	20	17	85	6	70-130	20
cis-1,2-Dichloroethene	10	9.1	91	10	9.2	92	1	70-130	20
Styrene	20	17	85	20	17	85	0	70-130	20
Dichlorodifluoromethane	10	8.3	83	10	7.9	79	5	36-147	20
Acetone	10	8.8	88	10	8.9	89	1	58-148	20
Carbon disulfide	10	10	100	10	10	100	0	51-130	20
2-Butanone	10	8.5	85	10	8.7	87	2	63-138	20
4-Methyl-2-pentanone	10	8.3	83	10	8.4	84	1	59-130	20
2-Hexanone	10	8.0	80	10	8.0	80	0	57-130	20
Bromochloromethane	10	9.3	93	10	9.3	93	0	70-130	20
1,2-Dibromoethane	10	8.5	85	10	9.0	90	6	70-130	20
1,2-Dibromo-3-chloropropane	10	7.8	78	10	8.5	85	9	41-144	20
Isopropylbenzene	10	8.9	89	10	9.0	90	1	70-130	20
1,2,3-Trichlorobenzene	10	8.3	83	10	8.6	86	4	70-130	20
1,2,4-Trichlorobenzene	10	8.5	85	10	8.5	85	0	70-130	20
Methyl Acetate	10	7.8	78	10	8.0	80	3	70-130	20
Cyclohexane	10	8.8	88	10	9.1	91	3	70-130	20
1,4-Dioxane	500	540	108	500	530	106	2	56-162	20
Freon-113	10	11	110	10	11	110	0	70-130	20
Methyl cyclohexane	10	8.7	87	10	8.4	84	4	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : The LiRo Group
Project Name : FORMER BUFFALO CHINA
Matrix : WATER
LCS Sample ID : WG1714939-3 **Analysis Date** : 11/20/22 08:16 **File ID** : V30221120A01
LCSD Sample ID : WG1714939-4 **Analysis Date** : 11/20/22 08:36 **File ID** : V30221120A02

Lab Number : L2263244
Project Number : FORMER BUFFALO CHINA

	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	13	130	10	12	120	8	70-130	20
Chloroform	10	12	120	10	11	110	9	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	12	120	10	12	120	0	70-130	20
Dibromochloromethane	10	9.4	94	10	9.2	92	2	63-130	20
1,1,2-Trichloroethane	10	9.6	96	10	9.6	96	0	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	12	120	10	11	110	9	75-130	20
Trichlorofluoromethane	10	8.6	86	10	8.1	81	6	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	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	9.0	90	10	8.4	84	7	70-130	20
cis-1,3-Dichloropropene	10	9.9	99	10	9.6	96	3	70-130	20
Bromoform	10	7.9	79	10	7.9	79	0	54-136	20
1,1,2,2-Tetrachloroethane	10	8.7	87	10	8.8	88	1	67-130	20
Benzene	10	12	120	10	11	110	9	70-130	20
Toluene	10	12	120	10	11	110	9	70-130	20
Ethylbenzene	10	12	120	10	11	110	9	70-130	20
Chloromethane	10	14	140 Q	10	13	130	7	64-130	20
Bromomethane	10	6.7	67	10	6.5	65	3	39-139	20
Vinyl chloride	10	12	120	10	11	110	9	55-140	20
Chloroethane	10	9.6	96	10	8.9	89	8	55-138	20
1,1-Dichloroethene	10	8.4	84	10	8.1	81	4	61-145	20
trans-1,2-Dichloroethene	10	12	120	10	11	110	9	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : The LiRo Group
Project Name : FORMER BUFFALO CHINA
Matrix : WATER
LCS Sample ID : WG1714939-3 **Analysis Date** : 11/20/22 08:16 **File ID** : V30221120A01
LCSD Sample ID : WG1714939-4 **Analysis Date** : 11/20/22 08:36 **File ID** : V30221120A02
Lab Number : L2263244
Project Number : FORMER BUFFALO CHINA

	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	12	120	10	11	110	9	70-130	20
1,2-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,3-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,4-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
Methyl tert butyl ether	10	8.3	83	10	8.4	84	1	63-130	20
p/m-Xylene	20	24	120	20	23	115	4	70-130	20
o-Xylene	20	23	115	20	22	110	4	70-130	20
cis-1,2-Dichloroethene	10	12	120	10	11	110	9	70-130	20
Styrene	20	23	115	20	22	110	4	70-130	20
Dichlorodifluoromethane	10	9.5	95	10	8.8	88	8	36-147	20
Acetone	10	8.5	85	10	8.8	88	3	58-148	20
Carbon disulfide	10	6.7	67	10	6.1	61	9	51-130	20
2-Butanone	10	11	110	10	10	100	10	63-138	20
4-Methyl-2-pentanone	10	9.0	90	10	9.3	93	3	59-130	20
2-Hexanone	10	9.5	95	10	9.9	99	4	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
1,2-Dibromoethane	10	9.5	95	10	9.2	92	3	70-130	20
1,2-Dibromo-3-chloropropane	10	8.6	86	10	8.7	87	1	41-144	20
Isopropylbenzene	10	12	120	10	11	110	9	70-130	20
1,2,3-Trichlorobenzene	10	9.4	94	10	9.2	92	2	70-130	20
1,2,4-Trichlorobenzene	10	9.8	98	10	9.4	94	4	70-130	20
Methyl Acetate	10	11	110	10	11	110	0	70-130	20
Cyclohexane	10	12	120	10	11	110	9	70-130	20
1,4-Dioxane	500	210	42 Q	500	370	74	55 Q	56-162	20
Freon-113	10	8.4	84	10	8.1	81	4	70-130	20
Methyl cyclohexane	10	9.6	96	10	9.1	91	5	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1715252-3	**Analysis Date** : 11/21/22 18:15	**File ID** : V08221121N01
LCSD Sample ID	: WG1715252-4	**Analysis Date** : 11/21/22 18:35	**File ID** : V08221121N02

	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	9.0	90	10	9.0	90	0	70-130	20
1,1-Dichloroethane	10	9.5	95	10	10	100	5	70-130	20
Chloroform	10	9.5	95	10	9.9	99	4	70-130	20
Carbon tetrachloride	10	8.8	88	10	9.7	97	10	63-132	20
1,2-Dichloropropane	10	9.8	98	10	10	100	2	70-130	20
Dibromochloromethane	10	8.4	84	10	9.1	91	8	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	9.7	97	3	70-130	20
Tetrachloroethene	10	8.3	83	10	9.5	95	13	70-130	20
Chlorobenzene	10	8.8	88	10	9.8	98	11	75-130	20
Trichlorofluoromethane	10	10	100	10	11	110	10	62-150	20
1,2-Dichloroethane	10	9.7	97	10	9.7	97	0	70-130	20
1,1,1-Trichloroethane	10	8.9	89	10	9.5	95	7	67-130	20
Bromodichloromethane	10	9.0	90	10	9.5	95	5	67-130	20
trans-1,3-Dichloropropene	10	8.6	86	10	9.0	90	5	70-130	20
cis-1,3-Dichloropropene	10	8.8	88	10	8.8	88	0	70-130	20
Bromoform	10	7.5	75	10	8.1	81	8	54-136	20
1,1,2,2-Tetrachloroethane	10	9.6	96	10	10	100	4	67-130	20
Benzene	10	9.2	92	10	9.9	99	7	70-130	20
Toluene	10	8.9	89	10	9.6	96	8	70-130	20
Ethylbenzene	10	8.6	86	10	9.5	95	10	70-130	20
Chloromethane	10	8.9	89	10	9.7	97	9	64-130	20
Bromomethane	10	8.7	87	10	9.8	98	12	39-139	20
Vinyl chloride	10	10	100	10	11	110	10	55-140	20
Chloroethane	10	21	210 Q	10	21	210 Q	0	55-138	20
1,1-Dichloroethene	10	9.9	99	10	11	110	11	61-145	20
trans-1,2-Dichloroethene	10	9.0	90	10	9.6	96	6	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : The LiRo Group
Project Name : FORMER BUFFALO CHINA
Matrix : WATER
LCS Sample ID : WG1715252-3 **Analysis Date** : 11/21/22 18:15 **File ID** : V08221121N01
LCSD Sample ID : WG1715252-4 **Analysis Date** : 11/21/22 18:35 **File ID** : V08221121N02

Lab Number : L2263244
Project Number : FORMER BUFFALO CHINA

	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	9.0	90	10	9.4	94	4	70-130	20
1,2-Dichlorobenzene	10	8.9	89	10	9.3	93	4	70-130	20
1,3-Dichlorobenzene	10	8.7	87	10	9.4	94	8	70-130	20
1,4-Dichlorobenzene	10	8.8	88	10	9.3	93	6	70-130	20
Methyl tert butyl ether	10	8.1	81	10	8.0	80	1	63-130	20
p/m-Xylene	20	17	85	20	19	95	11	70-130	20
o-Xylene	20	17	85	20	18	90	6	70-130	20
cis-1,2-Dichloroethene	10	9.3	93	10	9.6	96	3	70-130	20
Styrene	20	17	85	20	18	90	6	70-130	20
Dichlorodifluoromethane	10	8.2	82	10	9.3	93	13	36-147	20
Acetone	10	9.5	95	10	9.7	97	2	58-148	20
Carbon disulfide	10	10	100	10	11	110	10	51-130	20
2-Butanone	10	8.7	87	10	9.3	93	7	63-138	20
4-Methyl-2-pentanone	10	7.9	79	10	8.6	86	8	59-130	20
2-Hexanone	10	7.6	76	10	7.8	78	3	57-130	20
Bromochloromethane	10	9.5	95	10	9.5	95	0	70-130	20
1,2-Dibromoethane	10	8.6	86	10	9.5	95	10	70-130	20
1,2-Dibromo-3-chloropropane	10	8.4	84	10	8.8	88	5	41-144	20
Isopropylbenzene	10	8.7	87	10	9.7	97	11	70-130	20
1,2,3-Trichlorobenzene	10	8.3	83	10	9.2	92	10	70-130	20
1,2,4-Trichlorobenzene	10	8.6	86	10	9.1	91	6	70-130	20
Methyl Acetate	10	8.4	84	10	8.4	84	0	70-130	20
Cyclohexane	10	8.7	87	10	9.8	98	12	70-130	20
1,4-Dioxane	500	470	94	500	430	86	9	56-162	20
Freon-113	10	10	100	10	12	120	18	70-130	20
Methyl cyclohexane	10	8.3	83	10	9.2	92	10	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Client Sample ID	: MW-19A	**Matrix**	: WATER
Lab Sample ID	: L2263244-13	**Analysis Date**	: 11/19/22 23:23
Matrix Spike	: WG1714899-6	**MS Analysis Date**	: 11/20/22 03:44
Matrix Spike Dup	: WG1714899-7	**MSD Analysis Date**	: 11/20/22 04:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	8.9	89	10	9.5	95	7	70-130	20
1,1-Dichloroethane	ND	10	9.6	96	10	10	100	4	70-130	20
Chloroform	ND	10	9.4	94	10	9.9	99	5	70-130	20
Carbon tetrachloride	ND	10	9.0	90	10	9.3	93	3	63-132	20
1,2-Dichloropropane	ND	10	9.4	94	10	10	100	6	70-130	20
Dibromochloromethane	ND	10	8.3	83	10	9.3	93	11	63-130	20
1,1,2-Trichloroethane	ND	10	9.7	97	10	10	100	3	70-130	20
Tetrachloroethene	ND	10	8.7	87	10	9.5	95	9	70-130	20
Chlorobenzene	ND	10	9.0	90	10	9.7	97	7	75-130	20
Trichlorofluoromethane	ND	10	11	110	10	12	120	9	62-150	20
1,2-Dichloroethane	ND	10	9.3	93	10	9.6	96	3	70-130	20
1,1,1-Trichloroethane	ND	10	9.1	91	10	9.5	95	4	67-130	20
Bromodichloromethane	ND	10	8.8	88	10	9.4	94	7	67-130	20
trans-1,3-Dichloropropene	ND	10	8.3	83	10	8.8	88	6	70-130	20
cis-1,3-Dichloropropene	ND	10	8.0	80	10	8.5	85	6	70-130	20
Bromoform	ND	10	7.3	73	10	8.3	83	13	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.5	95	10	10	100	5	67-130	20
Benzene	ND	10	9.5	95	10	10	100	5	70-130	20
Toluene	ND	10	8.9	89	10	9.8	98	10	70-130	20
Ethylbenzene	ND	10	8.8	88	10	9.6	96	9	70-130	20
Chloromethane	ND	10	8.9	89	10	9.4	94	5	64-130	20
Bromomethane	ND	10	5.6	56	10	7.2	72	25 Q	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Client Sample ID	: MW-19A	**Matrix**	: WATER
Lab Sample ID	: L2263244-13	**Analysis Date**	: 11/19/22 23:23
Matrix Spike	: WG1714899-6	**MS Analysis Date**	: 11/20/22 03:44
Matrix Spike Dup	: WG1714899-7	**MSD Analysis Date**	: 11/20/22 04:04

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Vinyl chloride	1.6	10	11	94		10	12	104		9	55-140	20
Chloroethane	ND	10	23	230	Q	10	22	220	Q	4	55-138	20
1,1-Dichloroethene	ND	10	11	110		10	12	120		9	61-145	20
trans-1,2-Dichloroethene	5.6	10	15	94		10	15	94		0	70-130	20
Trichloroethene	43	10	58	150	Q	10	55	120		5	70-130	20
1,2-Dichlorobenzene	ND	10	8.5	85		10	9.1	91		7	70-130	20
1,3-Dichlorobenzene	ND	10	8.5	85		10	9.4	94		10	70-130	20
1,4-Dichlorobenzene	ND	10	8.7	87		10	9.5	95		9	70-130	20
Methyl tert butyl ether	ND	10	8.0	80		10	8.6	86		7	63-130	20
p/m-Xylene	ND	20	18	90		20	19	95		5	70-130	20
o-Xylene	ND	20	17	85		20	19	95		11	70-130	20
cis-1,2-Dichloroethene	59	10	62	30	Q	10	62	30	Q	0	70-130	20
Styrene	ND	20	16	80		20	18	90		12	70-130	20
Dichlorodifluoromethane	ND	10	8.0	80		10	8.5	85		6	36-147	20
Acetone	ND	10	9.9	99		10	11	110		11	58-148	20
Carbon disulfide	ND	10	11	110		10	12	120		9	51-130	20
2-Butanone	ND	10	8.1	81		10	8.8	88		8	63-138	20
4-Methyl-2-pentanone	ND	10	8.4	84		10	9.4	94		11	59-130	20
2-Hexanone	ND	10	7.5	75		10	8.5	85		13	57-130	20
Bromochloromethane	ND	10	8.9	89		10	9.5	95		7	70-130	20
1,2-Dibromoethane	ND	10	9.1	91		10	9.8	98		7	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	8.2	82		10	9.1	91		10	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Client Sample ID	: MW-19A	**Matrix**	: WATER
Lab Sample ID	: L2263244-13	**Analysis Date**	: 11/19/22 23:23
Matrix Spike	: WG1714899-6	**MS Analysis Date**	: 11/20/22 03:44
Matrix Spike Dup	: WG1714899-7	**MSD Analysis Date**	: 11/20/22 04:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	10	8.8	88	10	9.7	97	10	70-130	20
1,2,3-Trichlorobenzene	ND	10	8.0	80	10	9.0	90	12	70-130	20
1,2,4-Trichlorobenzene	ND	10	8.1	81	10	9.1	91	12	70-130	20
Methyl Acetate	ND	10	7.6	76	10	8.1	81	6	70-130	20
Cyclohexane	ND	10	8.7J	87	10	9.1J	91	4	70-130	20
1,4-Dioxane	ND	500	550	110	500	550	110	0	56-162	20
Freon-113	ND	10	10	100	10	11	110	10	70-130	20
Methyl cyclohexane	ND	10	8.3J	83	10	8.6J	86	4	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab Sample ID	: WG1714394-5	**Lab File ID**	: V01221118A08
Instrument ID	: VOA101		
Matrix	: WATER	**Analysis Date**	: 11/18/22 10:55

Client Sample No.	Lab Sample ID	Analysis Date
WG1714394-3LCS	WG1714394-3	11/18/22 08:09
WG1714394-4LCSD	WG1714394-4	11/18/22 10:07
MW-8A	L2263244-01	11/18/22 15:16
MW-08	L2263244-02	11/18/22 15:39
MW-26	L2263244-03	11/18/22 16:03
MW-26A	L2263244-04	11/18/22 16:27
MW-09	L2263244-05	11/18/22 16:50
MW-25A	L2263244-07	11/18/22 17:38
MW-10	L2263244-08	11/18/22 18:01
MW-06	L2263244-09D	11/18/22 18:25

Method Blank Summary
Form 4
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab Sample ID	: WG1714899-5	**Lab File ID**	: V08221119N05
Instrument ID	: VOA108		
Matrix	: WATER	**Analysis Date**	: 11/19/22 20:22

Client Sample No.	Lab Sample ID	Analysis Date
WG1714899-3LCS	WG1714899-3	11/19/22 19:02
WG1714899-4LCSD	WG1714899-4	11/19/22 19:22
TRIP BLANK	L2263244-22	11/19/22 22:23
MW-7	L2263244-12	11/19/22 22:43
MW-7A	L2263244-11	11/19/22 23:03
MW-19A	L2263244-13	11/19/22 23:23
MW-19AR	L2263244-14D	11/19/22 23:43
MW-21A	L2263244-15D	11/20/22 00:03
DUP-01	L2263244-16D	11/20/22 00:23
MW-5R	L2263244-17D	11/20/22 00:43
MW-13A	L2263244-19D	11/20/22 01:23
MW-11	L2263244-20D	11/20/22 01:43
MW-15A	L2263244-21	11/20/22 02:03
MW-19AMS	WG1714899-6	11/20/22 03:44
MW-19AMSD	WG1714899-7	11/20/22 04:04

Method Blank Summary
Form 4
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab Sample ID	: WG1714939-5	**Lab File ID**	: V30221120A05
Instrument ID	: VOA130		
Matrix	: WATER	**Analysis Date**	: 11/20/22 09:33

Client Sample No.	Lab Sample ID	Analysis Date
WG1714939-3LCS	WG1714939-3	11/20/22 08:16
WG1714939-4LCSD	WG1714939-4	11/20/22 08:36
MW-09A	L2263244-06	11/20/22 11:56

Method Blank Summary
Form 4
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab Sample ID	: WG1714765-5	**Lab File ID**	: V16221120A05
Instrument ID	: VOA116		
Matrix	: WATER	**Analysis Date**	: 11/20/22 10:04

Client Sample No.	Lab Sample ID	Analysis Date
WG1714765-3LCS	WG1714765-3	11/20/22 08:28
WG1714765-4LCSD	WG1714765-4	11/20/22 08:52
MW-20A	L2263244-10D	11/20/22 18:07

Method Blank Summary
Form 4
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab Sample ID	: WG1715252-5	**Lab File ID**	: V08221121N05
Instrument ID	: VOA108		
Matrix	: WATER	**Analysis Date**	: 11/21/22 19:36

Client Sample No.	Lab Sample ID	Analysis Date
WG1715252-3LCS	WG1715252-3	11/21/22 18:15
WG1715252-4LCSD	WG1715252-4	11/21/22 18:35
MW-5AR	L2263244-18D	11/22/22 01:57

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA101	**Analysis Date**	: 09/15/22 11:10
Tune Standard	: WG1688474-1	**Tune File ID**	: V01220915ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.3
75	30.0 - 80.0% of mass 95	48.3
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 (0)1
174	Greater than 50.0% of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.7 (7.6)1
176	Greater than 95.0% but less than 101% of mass	72.8 (97)1
177	5.0 - 9.0% of mass 176	5 (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	R1610514-1	V01220915A05	09/15/22 13:08
STD0.5PPB	R1610514-2	V01220915A07	09/15/22 13:55
STD2PPB	R1610514-3	V01220915A08	09/15/22 14:19
STD10PPB	R1610514-5	V01220915A10	09/15/22 15:07
STD30PPB	R1610514-4	V01220915A11	09/15/22 15:30
STD80PPB	R1610514-7	V01220915A12	09/15/22 15:54
STD120PPB	R1610514-6	V01220915A13	09/15/22 16:18
STD200PPB	R1610514-8	V01220915A14	09/15/22 16:42
ICV Quant Report	R1610514-9	V01220915A19	09/15/22 18:41

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA101	**Analysis Date**	: 11/18/22 08:02
Tune Standard	: WG1714394-1	**Tune File ID**	: V01221118ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 80.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.7)1
176	Greater than 95.0% but less than 101% of mass	85.6 (99.3)1
177	5.0 - 9.0% of mass 176	5.6 (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
WG1714394-2CCAL	WG1714394-2	V01221118A01	11/18/22 08:09
WG1714394-3LCS	WG1714394-3	V01221118A01	11/18/22 08:09
WG1714394-4LCSD	WG1714394-4	V01221118A06	11/18/22 10:07
WG1714394-5BLANK	WG1714394-5	V01221118A08	11/18/22 10:55
MW-8A	L2263244-01	V01221118A19	11/18/22 15:16
MW-08	L2263244-02	V01221118A20	11/18/22 15:39
MW-26	L2263244-03	V01221118A21	11/18/22 16:03
MW-26A	L2263244-04	V01221118A22	11/18/22 16:27
MW-09	L2263244-05	V01221118A23	11/18/22 16:50
MW-25A	L2263244-07	V01221118A25	11/18/22 17:38
MW-10	L2263244-08	V01221118A26	11/18/22 18:01
MW-06	L2263244-09D	V01221118A27	11/18/22 18:25

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA130	**Analysis Date**	: 10/12/22 19:01
Tune Standard	: WG1699013-1	**Tune File ID**	: V30221012NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.5
75	30.0 - 80.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.2 (1.4)1
174	Greater than 50.0% of mass 95	88.7
175	5.0 - 9.0% of mass 174	6.6 (7.5)1
176	Greater than 95.0% but less than 101% of mass	84.9 (95.7)1
177	5.0 - 9.0% of mass 176	5.8 (6.9)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	R1620280-1	V30221012N04	10/12/22 20:17
STD0.5PPB	R1620280-3	V30221012N06	10/12/22 20:56
STD2PPB	R1620280-2	V30221012N08	10/12/22 21:35
STD10PPB	R1620280-6	V30221012N09	10/12/22 21:54
STD30PPB	R1620280-5	V30221012N10	10/12/22 22:14
STD80PPB	R1620280-7	V30221012N11	10/12/22 22:33
STD120PPB	R1620280-4	V30221012N12	10/12/22 22:52
STD200PPB	R1620280-8	V30221012N13	10/12/22 23:12
Correlation Data Summary	R1620280-9	V30221012N18	10/13/22 00:49
ICV Quant Report	R1620280-9	V30221012N18	10/13/22 00:49

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA130	**Analysis Date**	: 11/20/22 07:56
Tune Standard	: WG1714939-1	**Tune File ID**	: V30221120ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.3
75	30.0 - 80.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (.8)1
174	Greater than 50.0% of mass 95	82.5
175	5.0 - 9.0% of mass 174	6.2 (7.5)1
176	Greater than 95.0% but less than 101% of mass	79.6 (96.5)1
177	5.0 - 9.0% of mass 176	5.3 (6.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1714939-2CCAL	WG1714939-2	V30221120A01	11/20/22 08:16
WG1714939-3LCS	WG1714939-3	V30221120A01	11/20/22 08:16
WG1714939-4LCSD	WG1714939-4	V30221120A02	11/20/22 08:36
WG1714939-5BLANK	WG1714939-5	V30221120A05	11/20/22 09:33
MW-09A	L2263244-06	V30221120A12	11/20/22 11:56

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA108	**Analysis Date**	: 11/10/22 16:17
Tune Standard	: WG1711062-1	**Tune File ID**	: V08221110NBFB4_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 80.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1)1
174	Greater than 50.0% of mass 95	93.8
175	5.0 - 9.0% of mass 174	6.9 (7.4)1
176	Greater than 95.0% but less than 101% of mass	92.4 (98.4)1
177	5.0 - 9.0% of mass 176	6.1 (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
STD0.19PPB	R1631553-1	V08221110N04	11/10/22 17:38
STD0.5PPB	R1631553-2	V08221110N06	11/10/22 18:18
STD2.0PPB	R1631553-3	V08221110N08	11/10/22 18:58
STD10PPB	R1631553-4	V08221110N09	11/10/22 19:19
STD30PPB	R1631553-5	V08221110N10	11/10/22 19:39
STD80PPB	R1631553-6	V08221110N11	11/10/22 19:59
STD120PPB	R1631553-7	V08221110N12	11/10/22 20:19
STD200PPB	R1631553-8	V08221110N13	11/10/22 20:39
ICV Quant Report	R1631553-9	V08221110N18	11/10/22 22:19

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA108	**Analysis Date**	: 11/19/22 18:47
Tune Standard	: WG1714899-1	**Tune File ID**	: V08221119NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 80.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.3 (1.3)1
174	Greater than 50.0% of mass 95	97.8
175	5.0 - 9.0% of mass 174	7.3 (7.4)1
176	Greater than 95.0% but less than 101% of mass	96.1 (98.2)1
177	5.0 - 9.0% of mass 176	6.3 (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
WG1714899-2CCAL	WG1714899-2	V08221119N01	11/19/22 19:02
WG1714899-3LCS	WG1714899-3	V08221119N01	11/19/22 19:02
WG1714899-4LCSD	WG1714899-4	V08221119N02	11/19/22 19:22
WG1714899-5BLANK	WG1714899-5	V08221119N05	11/19/22 20:22
TRIP BLANK	L2263244-22	V08221119N11	11/19/22 22:23
MW-7	L2263244-12	V08221119N12	11/19/22 22:43
MW-7A	L2263244-11	V08221119N13	11/19/22 23:03
MW-19A	L2263244-13	V08221119N14	11/19/22 23:23
MW-19AR	L2263244-14D	V08221119N15	11/19/22 23:43
MW-21A	L2263244-15D	V08221119N16	11/20/22 00:03
DUP-01	L2263244-16D	V08221119N17	11/20/22 00:23
MW-5R	L2263244-17D	V08221119N18	11/20/22 00:43
MW-13A	L2263244-19D	V08221119N20	11/20/22 01:23
MW-11	L2263244-20D	V08221119N21	11/20/22 01:43
MW-15A	L2263244-21	V08221119N22	11/20/22 02:03
WG1714899-6MS	WG1714899-6	V08221119N27	11/20/22 03:44
WG1714899-7MSD	WG1714899-7	V08221119N28	11/20/22 04:04

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA108	**Analysis Date**	: 11/21/22 17:54
Tune Standard	: WG1715252-1	**Tune File ID**	: V08221121NBF1_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	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.3 (1.3)1
174	Greater than 50.0% of mass 95	95.8
175	5.0 - 9.0% of mass 174	7 (7.3)1
176	Greater than 95.0% but less than 101% of mass	92.6 (96.7)1
177	5.0 - 9.0% of mass 176	6.1 (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
WG1715252-2CCAL	WG1715252-2	V08221121N01	11/21/22 18:15
WG1715252-3LCS	WG1715252-3	V08221121N01	11/21/22 18:15
WG1715252-4LCSD	WG1715252-4	V08221121N02	11/21/22 18:35
WG1715252-5BLANK	WG1715252-5	V08221121N05	11/21/22 19:36
MW-5AR	L2263244-18D	V08221121N24	11/22/22 01:57

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA116	**Analysis Date**	: 11/12/22 12:55
Tune Standard	: WG1711989-1	**Tune File ID**	: V16221112BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 80.0% of mass 95	51.2
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	0.3 (.4)1
174	Greater than 50.0% of mass 95	78.8
175	5.0 - 9.0% of mass 174	5.8 (7.3)1
176	Greater than 95.0% but less than 101% of mass	76.9 (97.6)1
177	5.0 - 9.0% of mass 176	5.1 (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
STD0.19PPB	R1632410-1	V16221112A03	11/12/22 14:00
STD0.5PPB	R1632410-2	V16221112A05	11/12/22 14:48
STD2PPB	R1632410-3	V16221112A07	11/12/22 15:37
STD10PPB	R1632410-4	V16221112A08	11/12/22 16:01
STD30PPB	R1632410-6	V16221112A09	11/12/22 16:26
STD80PPB	R1632410-5	V16221112A10	11/12/22 16:50
STD120PPB	R1632410-7	V16221112A11	11/12/22 17:14
STD200PPB	R1632410-8	V16221112A12	11/12/22 17:39
ICV Quanrt Report	R1632410-9	V16221112A18	11/12/22 20:05

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

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA116	**Analysis Date**	: 11/20/22 08:04
Tune Standard	: WG1714765-1	**Tune File ID**	: V16221120ABFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	25.5
75	30.0 - 80.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1.1)1
174	Greater than 50.0% of mass 95	82.6
175	5.0 - 9.0% of mass 174	6.4 (7.7)1
176	Greater than 95.0% but less than 101% of mass	81.1 (98.2)1
177	5.0 - 9.0% of mass 176	5.4 (6.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1714765-2CCAL	WG1714765-2	V16221120A01	11/20/22 08:28
WG1714765-3LCS	WG1714765-3	V16221120A01	11/20/22 08:28
WG1714765-4LCSD	WG1714765-4	V16221120A02	11/20/22 08:52
WG1714765-5BLANK	WG1714765-5	V16221120A05	11/20/22 10:04
MW-20A	L2263244-10D	V16221120A25	11/20/22 18:07

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA101	**Analysis Date**	: 11/18/22 08:09:00
Sample No	: WG1714394-2	**Lab File ID**	: V01221118A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1714394-2	696801	6.12	554627	9.65	298241	12.33
Upper Limit	1393602	6.62	1109254	10.15	596482	12.83
Lower Limit	348401	5.62	277314	9.15	149121	11.83
Sample ID						
WG1714394-3 LCS	696801	6.12	554627	9.65	298241	12.33
WG1714394-4 LCSD	676210	6.12	522076	9.65	280663	12.33
WG1714394-5 BLANK	667067	6.12	506176	9.65	268959	12.33
MW-8A	572763	6.12	425550	9.65	225471	12.33
MW-08	554409	6.12	418008	9.65	224177	12.33
MW-26	550511	6.12	409859	9.66	279825	12.33
MW-26A	538083	6.12	520819	9.65	218017	12.33
MW-09	527125	6.12	506692	9.65	212048	12.33
MW-25A	502076	6.12	489760	9.66	201019	12.33
MW-10	477743	6.12	367500	9.65	194662	12.33
MW-06	468654	6.12	351725	9.65	241922	12.33

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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA108	**Analysis Date**	: 11/19/22 19:02:00
Sample No	: WG1714899-2	**Lab File ID**	: V08221119N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1714899-2	198344	5.62	157340	8.57	87789	10.05
Upper Limit	396688	6.12	314680	9.07	175578	10.55
Lower Limit	99172	5.12	78670	8.07	43895	9.55
Sample ID						
WG1714899-3 LCS	198344	5.62	157340	8.57	87789	10.05
WG1714899-4 LCSD	200117	5.62	159240	8.57	86682	10.05
WG1714899-5 BLANK	177647	5.63	140000	8.57	70557	10.05
TRIP BLANK	176449	5.63	140098	8.57	72258	10.05
MW-7	173848	5.63	136339	8.57	65485	10.05
MW-7A	177357	5.63	140139	8.57	74101	10.05
MW-19A	174484	5.63	136148	8.57	68097	10.05
MW-19AR	170045	5.63	132287	8.57	66179	10.05
MW-21A	172597	5.63	140690	8.57	71880	10.05
DUP-01	178502	5.63	136755	8.57	72514	10.05
MW-5R	173443	5.63	130010	8.57	62368	10.05
MW-13A	169874	5.63	136920	8.57	71278	10.05
MW-11	173457	5.63	137571	8.57	75656	10.05
MW-15A	166455	5.63	135606	8.57	67110	10.05
MW-19A MS	197997	5.63	156221	8.57	87177	10.05
MW-19A MSD	200852	5.62	153700	8.57	85328	10.05

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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA130	**Analysis Date**	: 11/20/22 08:16:00
Sample No	: WG1714939-2	**Lab File ID**	: V30221120A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1714939-2	163963	5.47	124673	8.49	71075	9.98
Upper Limit	327926	5.97	249346	8.99	142150	10.48
Lower Limit	81982	4.97	62337	7.99	35538	9.48
Sample ID						
WG1714939-3 LCS	163963	5.47	124673	8.49	71075	9.98
WG1714939-4 LCSD	165354	5.48	126876	8.49	71624	9.98
WG1714939-5 BLANK	131689	5.48	113312	8.49	57958	9.98
MW-09A	118731	5.48	104142	8.49	54117	9.98

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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA116	**Analysis Date**	: 11/20/22 08:28:00
Sample No	: WG1714765-2	**Lab File ID**	: V16221120A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1714765-2	127592	5.70	100081	9.22	57288	12.00
Upper Limit	255184	6.20	200162	9.72	114576	12.50
Lower Limit	63796	5.20	50041	8.72	28644	11.50
Sample ID						
WG1714765-3 LCS	127592	5.70	100081	9.22	57288	12.00
WG1714765-4 LCSD	128646	5.70	101100	9.22	57678	12.00
WG1714765-5 BLANK	117735	5.70	91048	9.22	50581	12.00
MW-20A	106663	5.70	81703	9.22	44366	12.00

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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA108	**Analysis Date**	: 11/21/22 18:15:00
Sample No	: WG1715252-2	**Lab File ID**	: V08221121N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1715252-2	192015	5.62	156468	8.57	85868	10.05
Upper Limit	384030	6.12	312936	9.07	171736	10.55
Lower Limit	96008	5.12	78234	8.07	42934	9.55
Sample ID						
WG1715252-3 LCS	192015	5.62	156468	8.57	85868	10.05
WG1715252-4 LCSD	198561	5.62	154661	8.57	85184	10.05
WG1715252-5 BLANK	180409	5.63	145994	8.57	75027	10.05
MW-5AR	195842	5.63	150598	8.57	76803	10.05

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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Volatile Organics - EPA 8260C (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	0.210	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			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	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	0.200	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			
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	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	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			

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.

Volatile Organics - EPA 8260C (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		
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			
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	0.430	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	0.220	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			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	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			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	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.

Volatile Organics - EPA 8260C (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		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	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 Alpha Analytical, Inc.

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File: PM5047-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

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	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	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	0.140	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			
1,3-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	0.560	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			
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			
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			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
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			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	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			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	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	0.650	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			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	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*		

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Date Created: 06/19/18
Created By: Jason Hebert
File: PM5048-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-01	**Date Collected**	: 11/08/22 09:30
Client ID	: MW-8A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 15:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01221118A19	**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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-01	**Date Collected**	: 11/08/22 09:30
Client ID	: MW-8A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 15:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01221118A19	**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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-01	**Date Collected**	: 11/08/22 09:30
Client ID	: MW-8A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 15:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01221118A19	**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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-02	**Date Collected**	: 11/08/22 10:00
Client ID	: MW-08	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 15:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01221118A20	**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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-02	**Date Collected**	: 11/08/22 10:00
Client ID	: MW-08	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 15:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01221118A20	**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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-02	**Date Collected**	: 11/08/22 10:00
Client ID	: MW-08	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 15:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01221118A20	**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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-03	**Date Collected**	: 11/08/22 10:30
Client ID	: MW-26	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A21	**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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-03	**Date Collected**	: 11/08/22 10:30
Client ID	: MW-26	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A21	**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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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	3.8	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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-03	**Date Collected**	: 11/08/22 10:30
Client ID	: MW-26	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A21	**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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-04	**Date Collected**	: 11/08/22 11:00
Client ID	: MW-26A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A22	**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	1.3	1.0	0.07	
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-04	**Date Collected**	: 11/08/22 11:00
Client ID	: MW-26A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A22	**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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-04	**Date Collected**	: 11/08/22 11:00
Client ID	: MW-26A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A22	**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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-05	**Date Collected**	: 11/08/22 11:30
Client ID	: MW-09	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A23	**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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-05	**Date Collected**	: 11/08/22 11:30
Client ID	: MW-09	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A23	**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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-05	**Date Collected**	: 11/08/22 11:30
Client ID	: MW-09	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A23	**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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-06	**Date Collected**	: 11/08/22 12:00
Client ID	: MW-09A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 11:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30221120A12	**Instrument ID**	: VOA130
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-06	**Date Collected**	: 11/08/22 12:00
Client ID	: MW-09A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 11:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30221120A12	**Instrument ID**	: VOA130
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-06	**Date Collected**	: 11/08/22 12:00
Client ID	: MW-09A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 11:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30221120A12	**Instrument ID**	: VOA130
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-07	**Date Collected**	: 11/08/22 13:00
Client ID	: MW-25A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 17:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A25	**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	0.07	1.0	0.07	J
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-07	**Date Collected**	: 11/08/22 13:00
Client ID	: MW-25A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 17:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A25	**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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-07	**Date Collected**	: 11/08/22 13:00
Client ID	: MW-25A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 17:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A25	**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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-08	**Date Collected**	: 11/08/22 13:30
Client ID	: MW-10	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 18:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A26	**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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-08	**Date Collected**	: 11/08/22 13:30
Client ID	: MW-10	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 18:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A26	**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	0.81	2.5	0.70	J
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-08	**Date Collected**	: 11/08/22 13:30
Client ID	: MW-10	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 18:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A26	**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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-09D	**Date Collected**	: 11/08/22 13:40
Client ID	: MW-06	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 18:25
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A27	**Instrument ID**	: VOA101
Sample Amount	: 0.2 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	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	ND	25	9.0	U
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	320	50	3.6	
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	42	25	8.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-09D	**Date Collected**	: 11/08/22 13:40
Client ID	: MW-06	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 18:25
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A27	**Instrument ID**	: VOA101
Sample Amount	: 0.2 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	120	35.	U
79-01-6	Trichloroethene	ND	25	8.8	U
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	5200	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-09D	**Date Collected**	: 11/08/22 13:40
Client ID	: MW-06	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 18:25
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A27	**Instrument ID**	: VOA101
Sample Amount	: 0.2 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**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-10D	**Date Collected**	: 11/08/22 14:15
Client ID	: MW-20A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MCM
Lab File ID	: V16221120A25	**Instrument ID**	: VOA116
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	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	300	10	0.71	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	2.3	5.0	1.7	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-10D	**Date Collected**	: 11/08/22 14:15
Client ID	: MW-20A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MCM
Lab File ID	: V16221120A25	**Instrument ID**	: VOA116
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	7.7	25	7.0	J
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	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	1300	25	7.0	
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	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-10D	**Date Collected**	: 11/08/22 14:15
Client ID	: MW-20A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MCM
Lab File ID	: V16221120A25	**Instrument ID**	: VOA116
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**
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-11	**Date Collected**	: 11/09/22 08:20
Client ID	: MW-7A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N13	**Instrument ID**	: VOA108
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	71	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.25	0.50	0.17	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-11	**Date Collected**	: 11/09/22 08:20
Client ID	: MW-7A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N13	**Instrument ID**	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	120	2.5	0.70	
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	0.59	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-11	**Date Collected**	: 11/09/22 08:20
Client ID	: MW-7A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N13	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-12	**Date Collected**	: 11/09/22 08:40
Client ID	: MW-7	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 22:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N12	**Instrument ID**	: VOA108
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-12	**Date Collected**	: 11/09/22 08:40
Client ID	: MW-7	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 22:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N12	**Instrument ID**	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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	2.6	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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-12	**Date Collected**	: 11/09/22 08:40
Client ID	: MW-7	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 22:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N12	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-13	**Date Collected**	: 11/09/22 09:15
Client ID	: MW-19A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N14	**Instrument ID**	: VOA108
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	1.6	1.0	0.07	
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-13	**Date Collected**	: 11/09/22 09:15
Client ID	: MW-19A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N14	**Instrument ID**	: VOA108
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	5.6	2.5	0.70	
79-01-6	Trichloroethene	43	0.50	0.18	
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	59	2.5	0.70	
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-13	**Date Collected**	: 11/09/22 09:15
Client ID	: MW-19A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N14	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-14D	**Date Collected**	: 11/09/22 09:45
Client ID	: MW-19AR	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:43
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N15	**Instrument ID**	: VOA108
Sample Amount	: 0.4 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	62	18.	U
75-34-3	1,1-Dichloroethane	ND	62	18.	U
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	3.4	U
78-87-5	1,2-Dichloropropane	ND	25	3.4	U
124-48-1	Dibromochloromethane	ND	12	3.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	ND	12	4.5	U
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	3.3	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U
71-43-2	Benzene	ND	12	4.0	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND	62	18.	U
75-01-4	Vinyl chloride	170	25	1.8	
75-00-3	Chloroethane	ND	62	18.	U
75-35-4	1,1-Dichloroethene	6.8	12	4.2	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-14D	**Date Collected**	: 11/09/22 09:45
Client ID	: MW-19AR	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:43
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N15	**Instrument ID**	: VOA108
Sample Amount	: 0.4 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	40	62	18.	J
79-01-6	Trichloroethene	250	12	4.4	
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	18.	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	2600	62	18.	
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	ND	120	25.	U
67-64-1	Acetone	ND	120	36.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	ND	120	48.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
79-20-9	Methyl Acetate	ND	50	5.8	U
110-82-7	Cyclohexane	ND	250	6.8	U
123-91-1	1,4-Dioxane	ND	6200	1500	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-14D	**Date Collected**	: 11/09/22 09:45
Client ID	: MW-19AR	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:43
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N15	**Instrument ID**	: VOA108
Sample Amount	: 0.4 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**
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-15D	**Date Collected**	: 11/09/22 10:00
Client ID	: MW-21A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N16	**Instrument ID**	: VOA108
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	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
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	170	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	1.5	1.2	0.42	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-15D	**Date Collected**	: 11/09/22 10:00
Client ID	: MW-21A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N16	**Instrument ID**	: VOA108
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	9.3	6.2	1.8	
79-01-6	Trichloroethene	0.70	1.2	0.44	J
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	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	250	6.2	1.8	
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
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-15D	**Date Collected**	: 11/09/22 10:00
Client ID	: MW-21A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N16	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-16D	**Date Collected**	: 11/09/22 10:15
Client ID	: DUP-01	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:23
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N17	**Instrument ID**	: VOA108
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	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
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	120	2.0	0.14	
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	0.93	1.0	0.34	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-16D	**Date Collected**	: 11/09/22 10:15
Client ID	: DUP-01	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:23
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N17	**Instrument ID**	: VOA108
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	11	5.0	1.4	
79-01-6	Trichloroethene	0.38	1.0	0.35	J
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	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	220	5.0	1.4	
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
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-16D	**Date Collected**	: 11/09/22 10:15
Client ID	: DUP-01	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:23
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N17	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-17D	**Date Collected**	: 11/09/22 10:30
Client ID	: MW-5R	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:43
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N18	**Instrument ID**	: VOA108
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	1.8	2.5	0.90	J
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	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	1.4	5.0	0.36	J
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-17D	**Date Collected**	: 11/09/22 10:30
Client ID	: MW-5R	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:43
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N18	**Instrument ID**	: VOA108
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	20	12	3.5	
79-01-6	Trichloroethene	660	2.5	0.88	
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	3.5	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	420	12	3.5	
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
74-97-5	Bromochloromethane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
79-20-9	Methyl Acetate	ND	10	1.2	U
110-82-7	Cyclohexane	ND	50	1.4	U
123-91-1	1,4-Dioxane	ND	1200	300	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-17D	**Date Collected**	: 11/09/22 10:30
Client ID	: MW-5R	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:43
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N18	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	12	3.5	U
108-87-2	Methyl cyclohexane	ND	50	2.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-18D	**Date Collected**	: 11/09/22 11:00
Client ID	: MW-5AR	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/22/22 01:57
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V08221121N24	**Instrument ID**	: VOA108
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	7.7	5.0	1.8	
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	7.1	5.0	1.7	
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	9.8	25	7.0	J
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	20	10	0.71	
75-00-3	Chloroethane	12	25	7.0	J
75-35-4	1,1-Dichloroethene	3.4	5.0	1.7	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-18D	**Date Collected**	: 11/09/22 11:00
Client ID	: MW-5AR	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/22/22 01:57
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V08221121N24	**Instrument ID**	: VOA108
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	9.8	25	7.0	J
79-01-6	Trichloroethene	1600	5.0	1.8	
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	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	790	25	7.0	
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	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-18D	**Date Collected**	: 11/09/22 11:00
Client ID	: MW-5AR	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/22/22 01:57
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V08221121N24	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-19D	**Date Collected**	: 11/09/22 12:00
Client ID	: MW-13A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 01:23
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N20	**Instrument ID**	: VOA108
Sample Amount	: 0.2 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	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	ND	25	9.0	U
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	310	50	3.6	
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	25	25	8.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-19D	**Date Collected**	: 11/09/22 12:00
Client ID	: MW-13A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 01:23
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N20	**Instrument ID**	: VOA108
Sample Amount	: 0.2 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	68	120	35.	J
79-01-6	Trichloroethene	650	25	8.8	
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	5600	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-19D	**Date Collected**	: 11/09/22 12:00
Client ID	: MW-13A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 01:23
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N20	**Instrument ID**	: VOA108
Sample Amount	: 0.2 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**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-20D	**Date Collected**	: 11/09/22 12:30
Client ID	: MW-11	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 01:43
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N21	**Instrument ID**	: VOA108
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	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
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	7.9	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	0.91	1.2	0.42	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-20D	**Date Collected**	: 11/09/22 12:30
Client ID	: MW-11	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 01:43
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N21	**Instrument ID**	: VOA108
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	2.4	6.2	1.8	J
79-01-6	Trichloroethene	81	1.2	0.44	
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	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	330	6.2	1.8	
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
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-20D	**Date Collected**	: 11/09/22 12:30
Client ID	: MW-11	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 01:43
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N21	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-21	**Date Collected**	: 11/09/22 14:00
Client ID	: MW-15A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 02:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N22	**Instrument ID**	: VOA108
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	0.57	0.50	0.18	
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-21	**Date Collected**	: 11/09/22 14:00
Client ID	: MW-15A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 02:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N22	**Instrument ID**	: VOA108
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	4.0	0.50	0.18	
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.85	2.5	0.70	J
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-21	**Date Collected**	: 11/09/22 14:00
Client ID	: MW-15A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 02:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N22	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-22	**Date Collected**	: 11/09/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 22:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N11	**Instrument ID**	: VOA108
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-22	**Date Collected**	: 11/09/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 22:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N11	**Instrument ID**	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-22	**Date Collected**	: 11/09/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 22:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N11	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714394-5	**Date Collected**	: NA
Client ID	: WG1714394-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/18/22 10:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01221118A08	**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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714394-5	**Date Collected**	: NA
Client ID	: WG1714394-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/18/22 10:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01221118A08	**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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714394-5	**Date Collected**	: NA
Client ID	: WG1714394-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/18/22 10:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01221118A08	**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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714765-5	**Date Collected**	: NA
Client ID	: WG1714765-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/20/22 10:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V16221120A05	**Instrument ID**	: VOA116
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714765-5	**Date Collected**	: NA
Client ID	: WG1714765-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/20/22 10:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V16221120A05	**Instrument ID**	: VOA116
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714765-5	**Date Collected**	: NA
Client ID	: WG1714765-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/20/22 10:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V16221120A05	**Instrument ID**	: VOA116
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714899-5	**Date Collected**	: NA
Client ID	: WG1714899-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/19/22 20:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N05	**Instrument ID**	: VOA108
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714899-5	**Date Collected**	: NA
Client ID	: WG1714899-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/19/22 20:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N05	**Instrument ID**	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714899-5	**Date Collected**	: NA
Client ID	: WG1714899-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/19/22 20:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N05	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714939-5	**Date Collected**	: NA
Client ID	: WG1714939-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/20/22 09:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V30221120A05	**Instrument ID**	: VOA130
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714939-5	**Date Collected**	: NA
Client ID	: WG1714939-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/20/22 09:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V30221120A05	**Instrument ID**	: VOA130
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714939-5	**Date Collected**	: NA
Client ID	: WG1714939-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/20/22 09:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V30221120A05	**Instrument ID**	: VOA130
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1715252-5	**Date Collected**	: NA
Client ID	: WG1715252-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/21/22 19:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V08221121N05	**Instrument ID**	: VOA108
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1715252-5	**Date Collected**	: NA
Client ID	: WG1715252-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/21/22 19:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V08221121N05	**Instrument ID**	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1715252-5	**Date Collected**	: NA
Client ID	: WG1715252-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/21/22 19:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V08221121N05	**Instrument ID**	: VOA108
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**
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 : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A19.D
Acq On : 18 Nov 2022 3:16 pm
Operator : VOA101:MKS
Sample : L2263244-01,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 18 16:07:33 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.118	96	572763	10.000 ug/L	0.00
Standard Area 1 = 696801			Recovery =	82.20%	
59) Chlorobenzene-d5	9.654	117	425550	10.000 ug/L	0.00
Standard Area 1 = 554627			Recovery =	76.73%	
79) 1,4-Dichlorobenzene-d4	12.331	152	225471	10.000 ug/L	0.00
Standard Area 1 = 298241			Recovery =	75.60%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.310	113	150459	9.748 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.48%	
43) 1,2-Dichloroethane-d4	5.834	65	180298	10.679 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.79%	
60) Toluene-d8	7.805	98	561852	10.345 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.45%	
83) 4-Bromofluorobenzene	11.132	95	208796	10.347 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.47%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.899	50	687	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.298	94	1070	0.120 ug/L #	78
6) Chloroethane	2.365	64	90	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.095	76	14486	0.483 ug/L	91
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.662	43	3258	1.054 ug/L #	67
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.787	43	312	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	4.877	96	135	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	5.081	56	91	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A19.D
Acq On : 18 Nov 2022 3:16 pm
Operator : VOA101:MKS
Sample : L2263244-01,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 18 16:07:33 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.432	43	92		N.D.	
41) Benzene	5.708	78	271		N.D.	
44) 1,2-Dichloroethane	5.906	62	70		N.D.	
47) Methyl cyclohexane	6.286	83	36		N.D.	
48) Trichloroethene	6.305	95	131		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.867	92	313		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	9.367	43	28		N.D.	
73) Chlorobenzene	9.679	112	33		N.D.	
74) Ethylbenzene	9.718	91	28		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	10.820	105	905		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.281	146	57		N.D.	
101) 1,4-Dichlorobenzene	12.354	146	958		N.D.	
104) 1,2-Dichlorobenzene	12.783	146	348		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	14.652	180	54		N.D.	

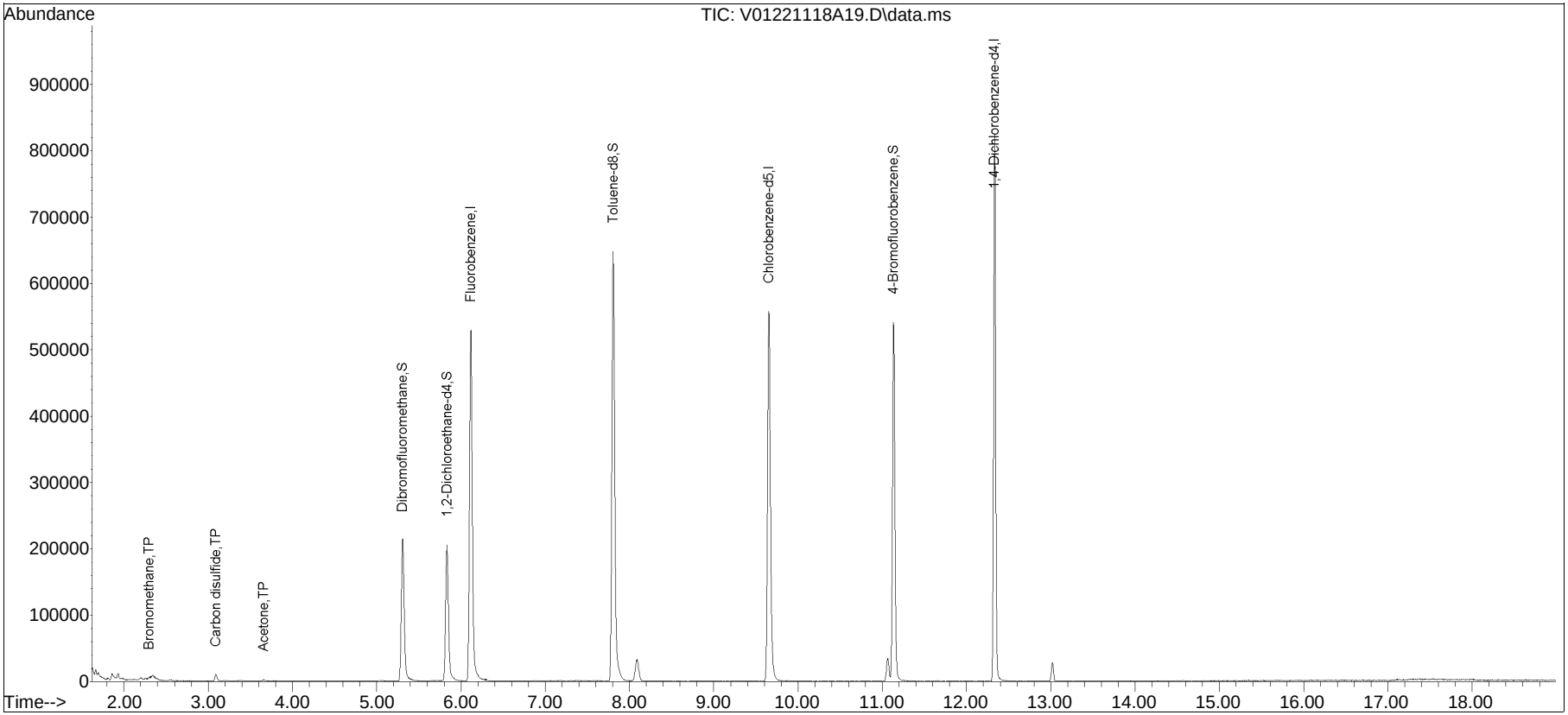
(#) = qualifier out of range (m) = manual integration (+) = signals summed

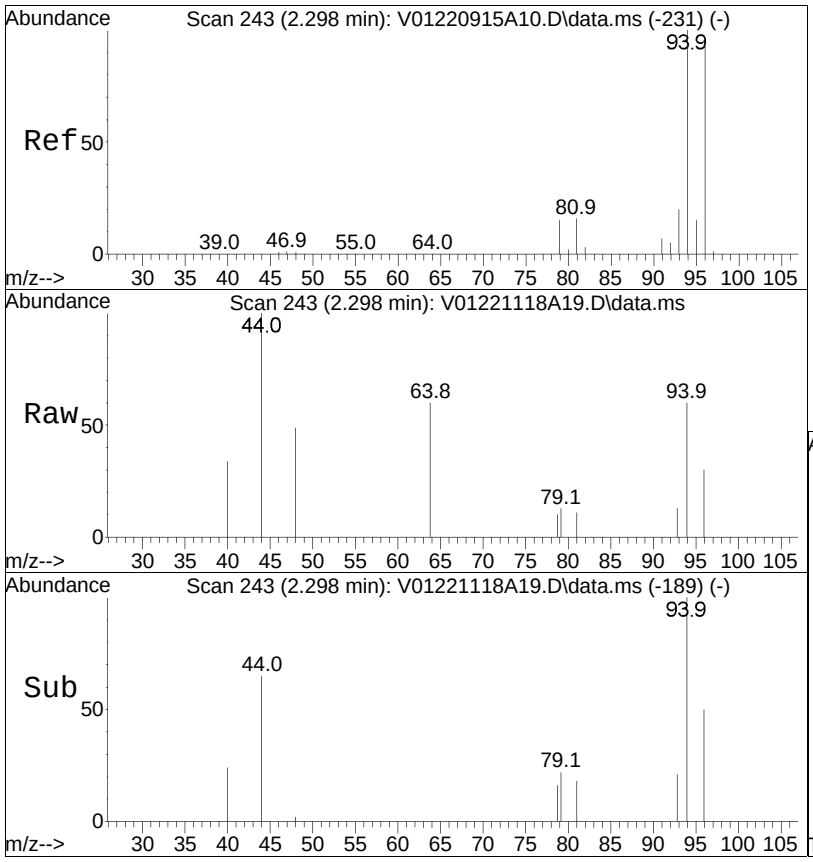
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A19.D
Acq On : 18 Nov 2022 3:16 pm
Operator : VOA101:MKS
Sample : L2263244-01,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 18 16:07:33 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

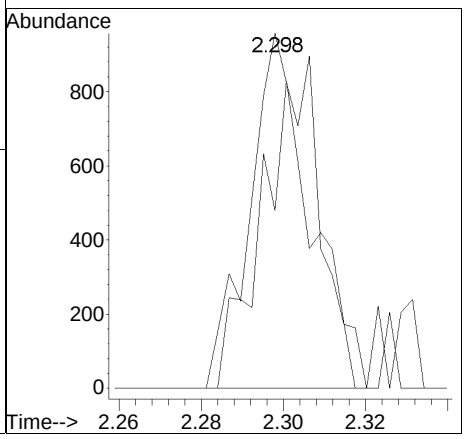


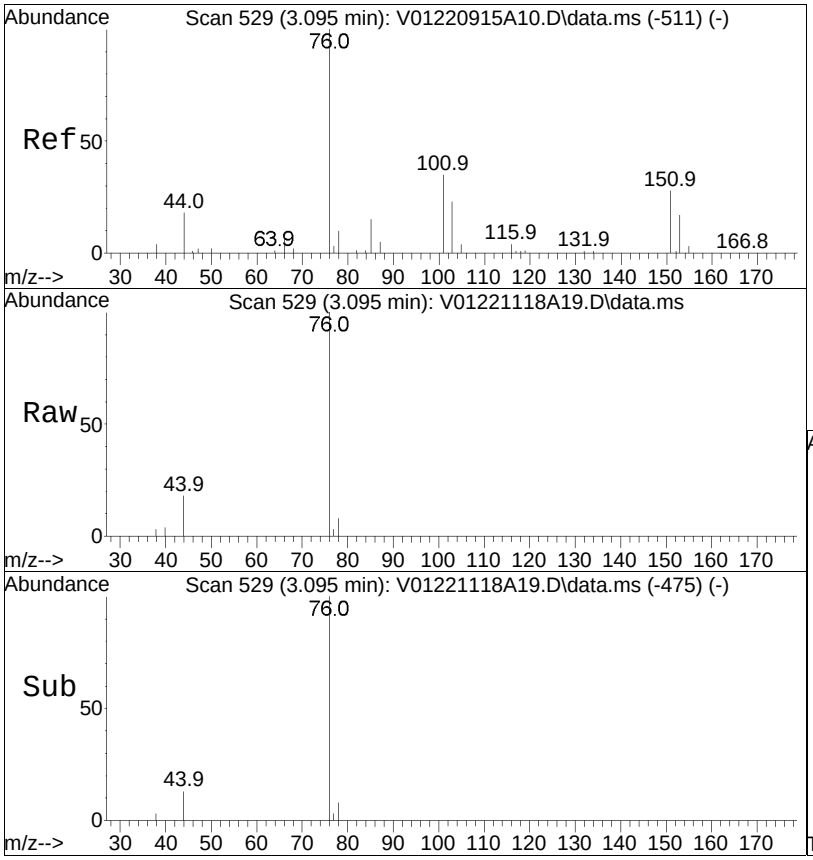


#5
Bromomethane
Concen: 0.12 ug/L
RT: 2.298 min Scan# 243
Delta R.T. -0.000 min
Lab File: V01221118A19.D
Acq: 18 Nov 2022 3:16 pm

Tgt Ion: 94 Resp: 1070

Ion	Ratio	Lower	Upper
94	100		
96	72.0	73.6	113.6#

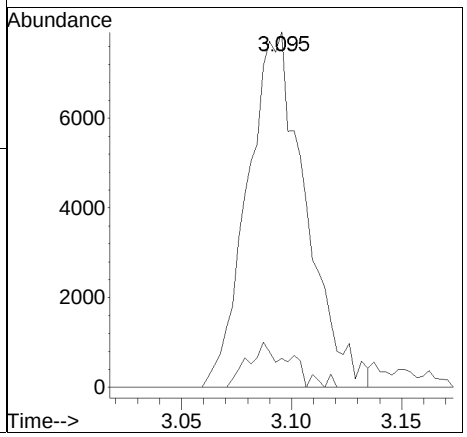


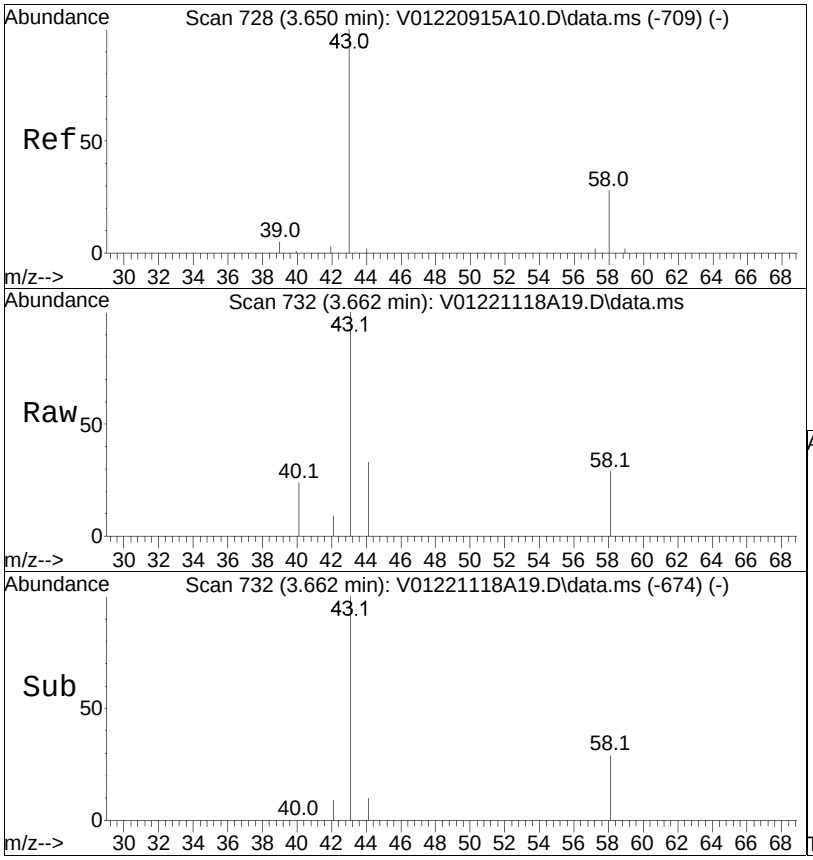


#11
Carbon disulfide
Concen: 0.48 ug/L
RT: 3.095 min Scan# 529
Delta R.T. 0.000 min
Lab File: V01221118A19.D
Acq: 18 Nov 2022 3:16 pm

Tgt Ion: 76 Resp: 14486

Ion	Ratio	Lower	Upper
76	100		
78	7.0	6.6	13.8

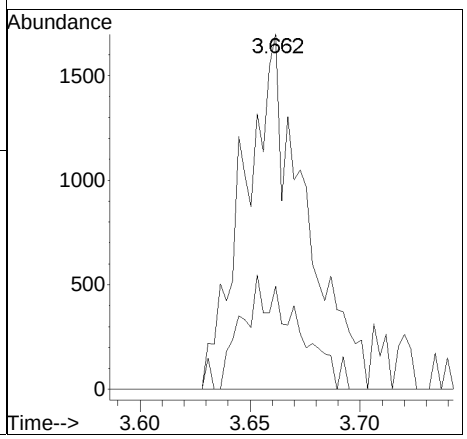




#17
Acetone
Concen: 1.05 ug/L
RT: 3.662 min Scan# 732
Delta R.T. 0.012 min
Lab File: V01221118A19.D
Acq: 18 Nov 2022 3:16 pm

Tgt Ion: 43 Resp: 3258

Ion	Ratio	Lower	Upper
43	100		
58	13.8	25.9	38.9#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2022\2	QMethod	: V101_220915A_8260.m
Data File	: V01221118A19.D	Operator	: VOA101:MKS
Date Inj'd	: 11/18/2022 3:16 pm	Instrument	: VOA 101
Sample	: L2263244-01,31,10,10,,A	Quant Date	: 11/18/2022 4:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A20.D
Acq On : 18 Nov 2022 3:39 pm
Operator : VOA101:MKS
Sample : L2263244-02,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 18 16:08:09 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.115	96	554409	10.000 ug/L	0.00
Standard Area 1 = 696801			Recovery =	79.56%	
59) Chlorobenzene-d5	9.651	117	418008	10.000 ug/L	0.00
Standard Area 1 = 554627			Recovery =	75.37%	
79) 1,4-Dichlorobenzene-d4	12.334	152	224177	10.000 ug/L	0.00
Standard Area 1 = 298241			Recovery =	75.17%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.310	113	148380	9.931 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.31%	
43) 1,2-Dichloroethane-d4	5.837	65	176520	10.801 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.01%	
60) Toluene-d8	7.805	98	552127	10.349 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.49%	
83) 4-Bromofluorobenzene	11.138	95	205816	10.258 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.58%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.896	50	675	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.295	94	1325M1	0.154 ug/L	
6) Chloroethane	2.359	64	340	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.090	76	4477	0.154 ug/L #	88
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.614	84	31	N.D.	
17) Acetone	3.659	43	4252M1	1.421 ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.779	43	137	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	4.869	96	25	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	5.134	83	51	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A20.D
Acq On : 18 Nov 2022 3:39 pm
Operator : VOA101:MKS
Sample : L2263244-02,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 18 16:08:09 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.427	43	27		N.D.	
41) Benzene	5.697	78	90		N.D.	
44) 1,2-Dichloroethane	5.901	62	95		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	6.247	95	237		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.869	92	26		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	9.339	43	26		N.D.	
73) Chlorobenzene	9.677	112	29		N.D.	
74) Ethylbenzene	9.690	91	30		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.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.270	146	126		N.D.	
101) 1,4-Dichlorobenzene	12.342	146	101		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.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

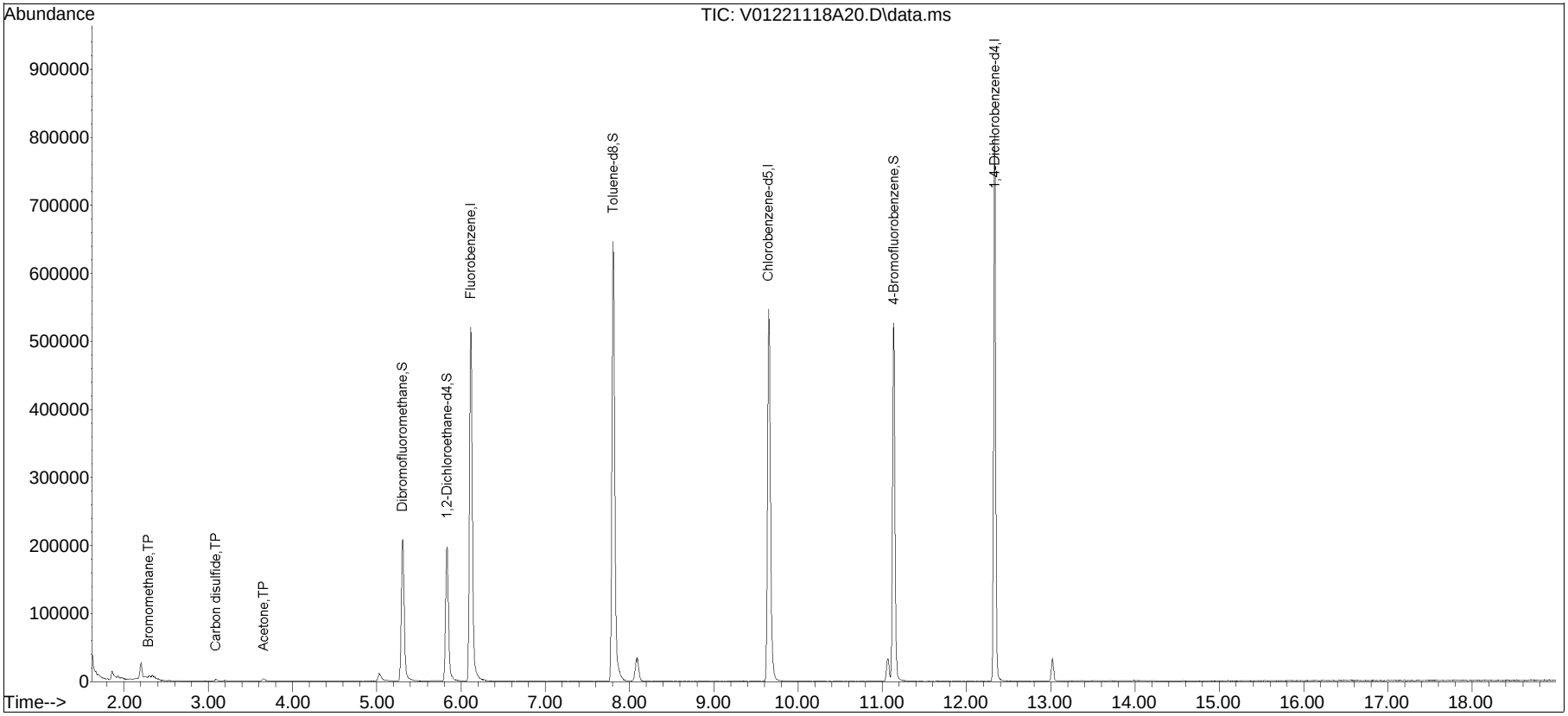
(#) = qualifier out of range (m) = manual integration (+) = signals summed

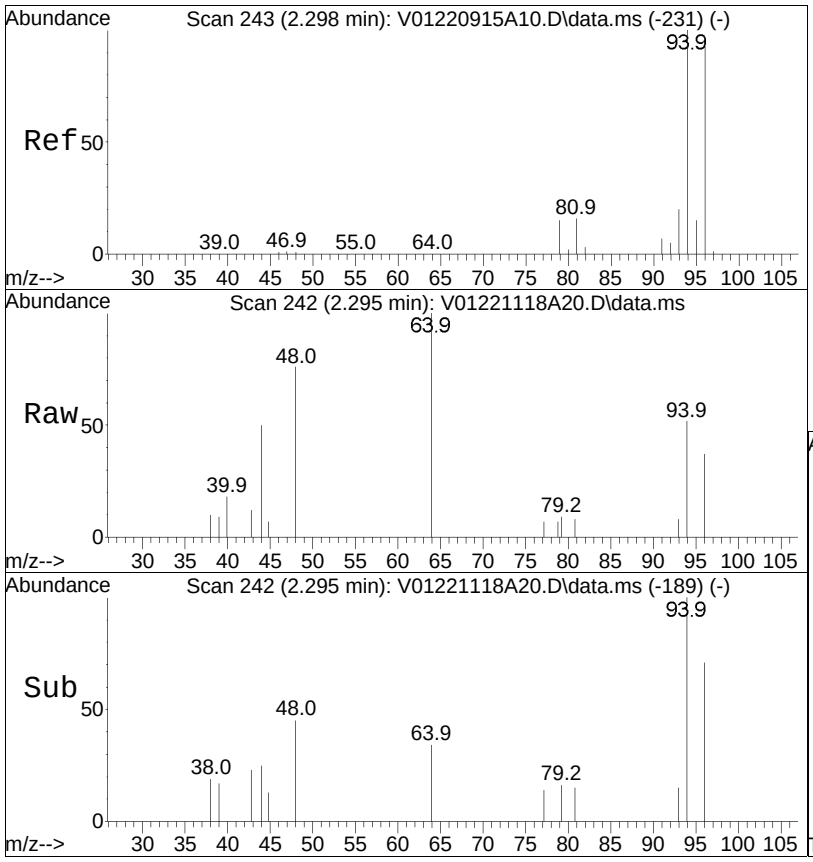
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A20.D
Acq On : 18 Nov 2022 3:39 pm
Operator : VOA101:MKS
Sample : L2263244-02,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 18 16:08:09 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

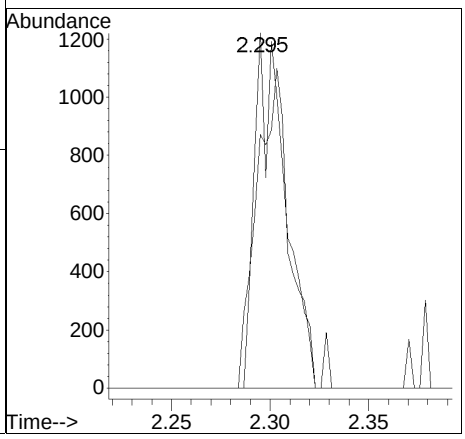


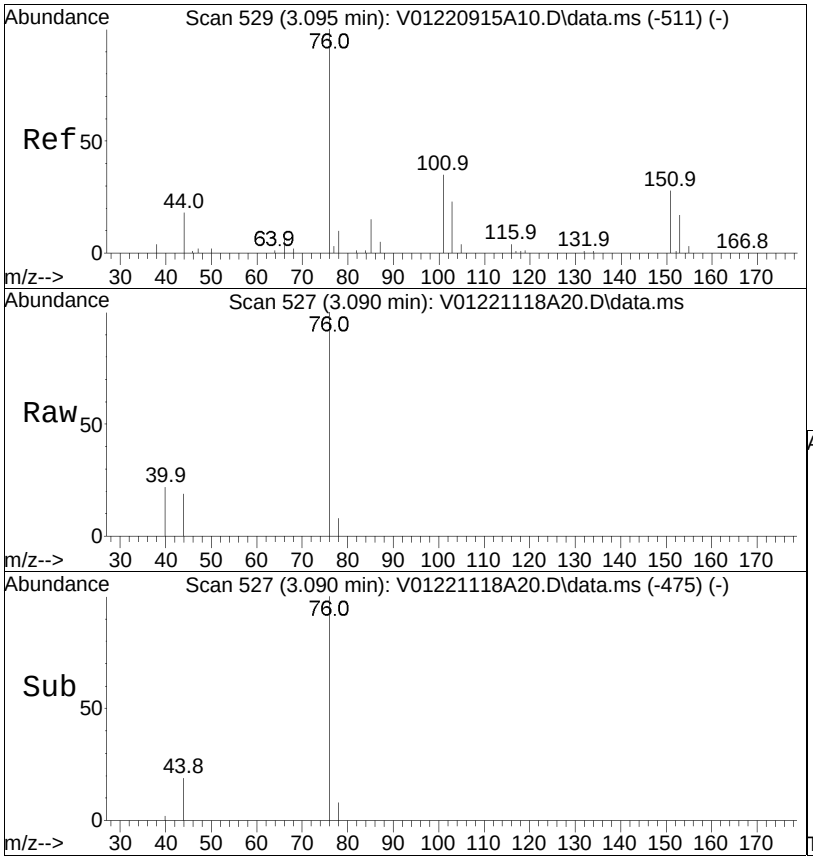


#5
Bromomethane
Concen: 0.15 ug/L M1
RT: 2.295 min Scan# 242
Delta R.T. -0.003 min
Lab File: V01221118A20.D
Acq: 18 Nov 2022 3:39 pm

Tgt Ion: 94 Resp: 1325

Ion	Ratio	Lower	Upper
94	100		
96	95.0	73.6	113.6

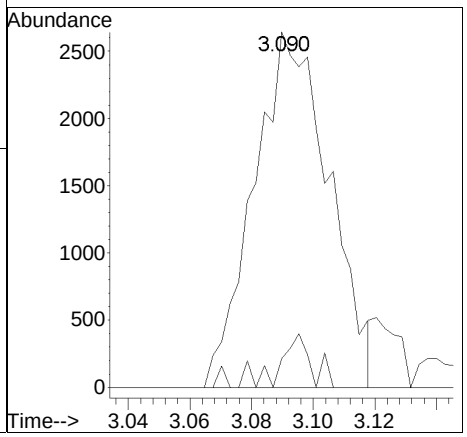


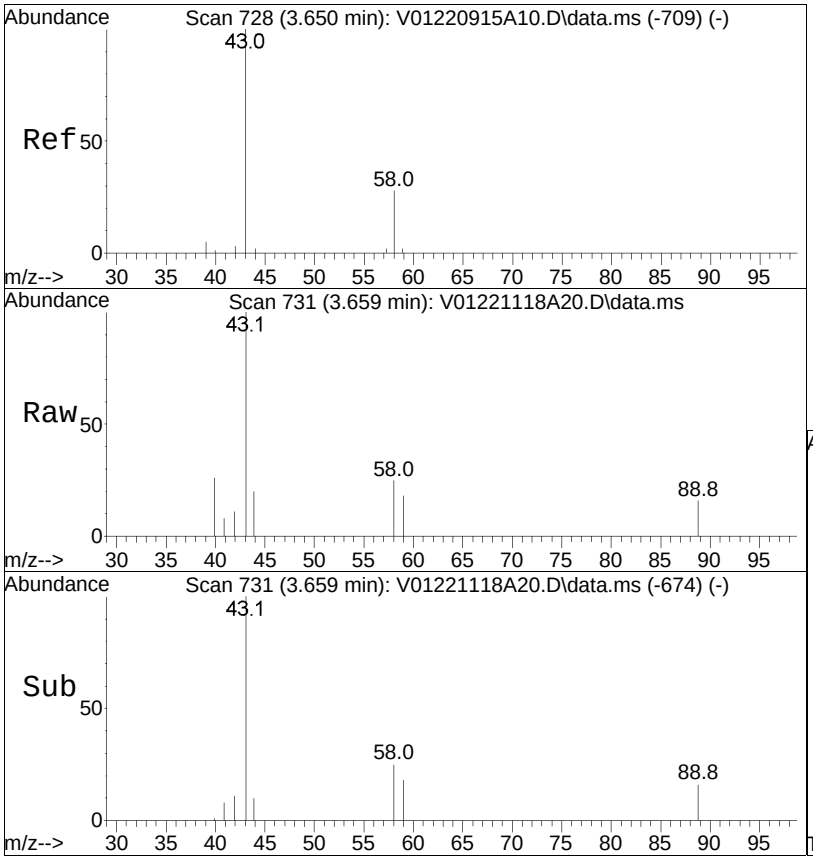


#11
Carbon disulfide
Concen: 0.15 ug/L
RT: 3.090 min Scan# 527
Delta R.T. -0.005 min
Lab File: V01221118A20.D
Acq: 18 Nov 2022 3:39 pm

Tgt Ion: 76 Resp: 4477

Ion	Ratio	Lower	Upper
76	100		
78	5.9	6.6	13.8#

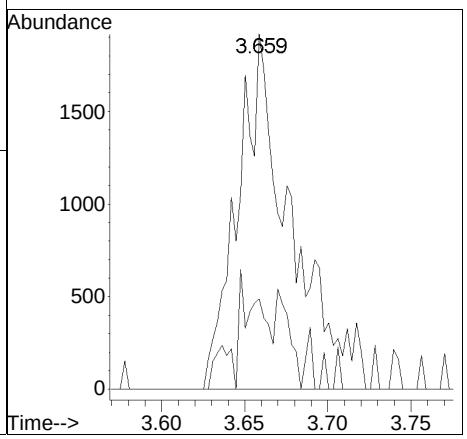




#17
Acetone
Concen: 1.42 ug/L M1
RT: 3.659 min Scan# 731
Delta R.T. 0.009 min
Lab File: V01221118A20.D
Acq: 18 Nov 2022 3:39 pm

Tgt Ion: 43 Resp: 4252

Ion	Ratio	Lower	Upper
43	100		
58	7.3	25.9	38.9#

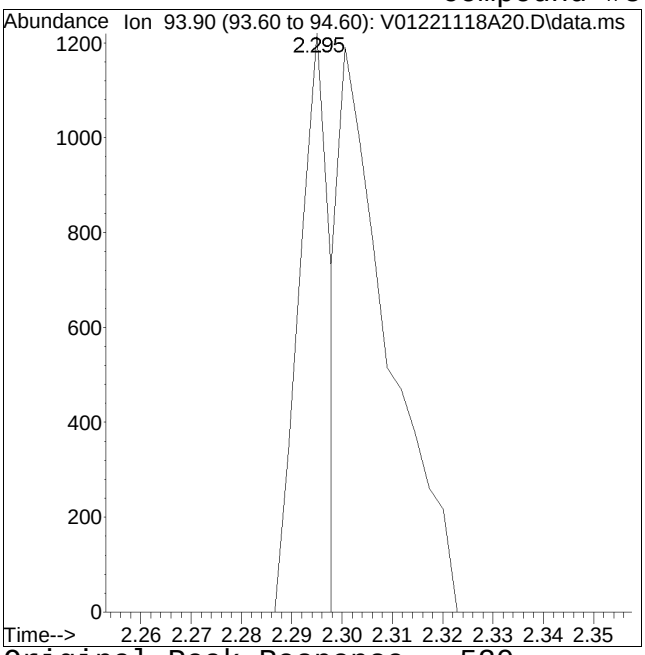


Manual Integration Report

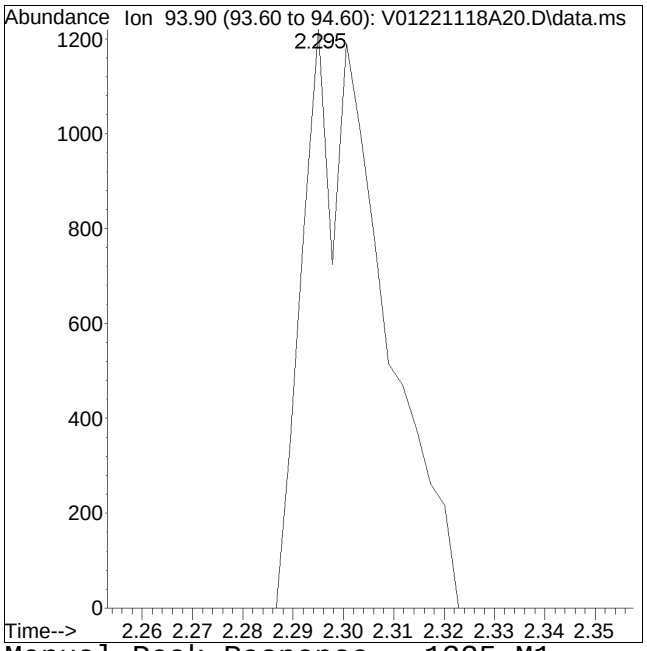
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221118A20.D
Date Inj'd : 11/18/2022 3:39 pm
Sample : L2263244-02,31,10,10,,A

Method : V101_220915A_8260.m
Operator : VOA101:MKS
Instrument : VOA 101
Quant Date : 11/18/2022 4:03 pm

Compound #5: Bromomethane



Original Peak Response = 520



Manual Peak Response = 1325 M1

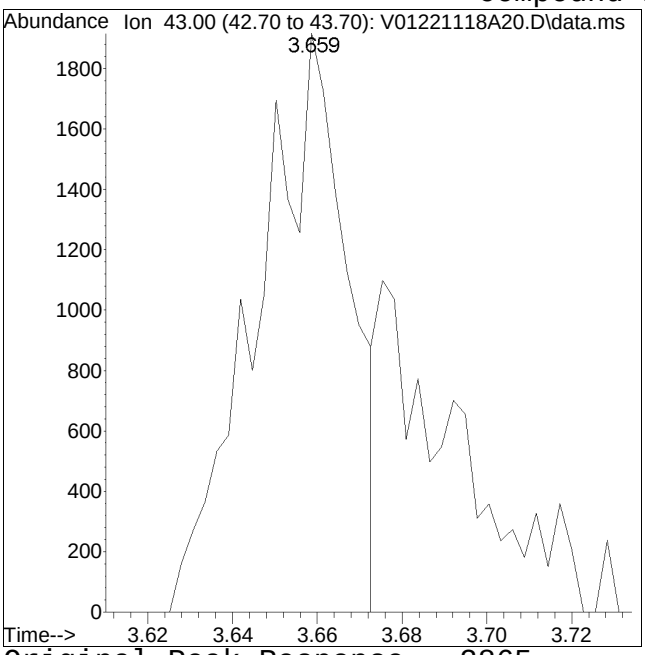
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

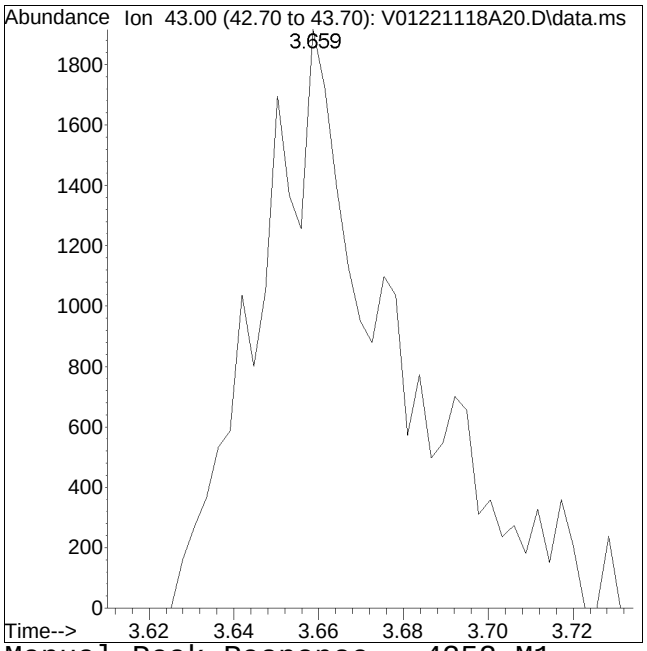
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221118A20.D
Date Inj'd : 11/18/2022 3:39 pm
Sample : L2263244-02,31,10,10,,A

Method : V101_220915A_8260.m
Operator : VOA101:MKS
Instrument : VOA 101
Quant Date : 11/18/2022 4:03 pm

Compound #17: Acetone



Original Peak Response = 2865



Manual Peak Response = 4252 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A21.D
Acq On : 18 Nov 2022 4:03 pm
Operator : VOA101:LAC
Sample : L2263244-03,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 13:09:02 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	550511	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery = 79.01%			
59) Chlorobenzene-d5	9.657	117	409859	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery = 73.90%			
79) 1,4-Dichlorobenzene-d4	12.334	152	279825	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery = 93.83%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.307	113	143485	9.672	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.72%			
43) 1,2-Dichloroethane-d4	5.834	65	178594	11.006	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.06%			
60) Toluene-d8	7.805	98	546660	10.450	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.50%			
83) 4-Bromofluorobenzene	11.135	95	203602	8.130	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 81.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.899	50	1079	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.306	94	1838	0.215	ug/L	97
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	3.093	76	6554	0.227	ug/L	92
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.614	84	818	N.D.		
17) Acetone	3.659	43	11463M1	3.857	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.787	43	291	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	4.939	96	27	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.134	83	272	N.D.		
34) Carbon tetrachloride	5.276	117	183	N.D.		

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A21.D
Acq On : 18 Nov 2022 4:03 pm
Operator : VOA101:LAC
Sample : L2263244-03,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 13:09:02 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.460	43	2935M1	0.800	ug/L	
41) Benzene	5.706	78	86		N.D.	
44) 1,2-Dichloroethane	5.909	62	75		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	6.244	95	166		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.864	92	27		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	9.707	91	28		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	10.828	105	25		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.340	146	217		N.D.	
101) 1,4-Dichlorobenzene	12.359	146	95		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.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

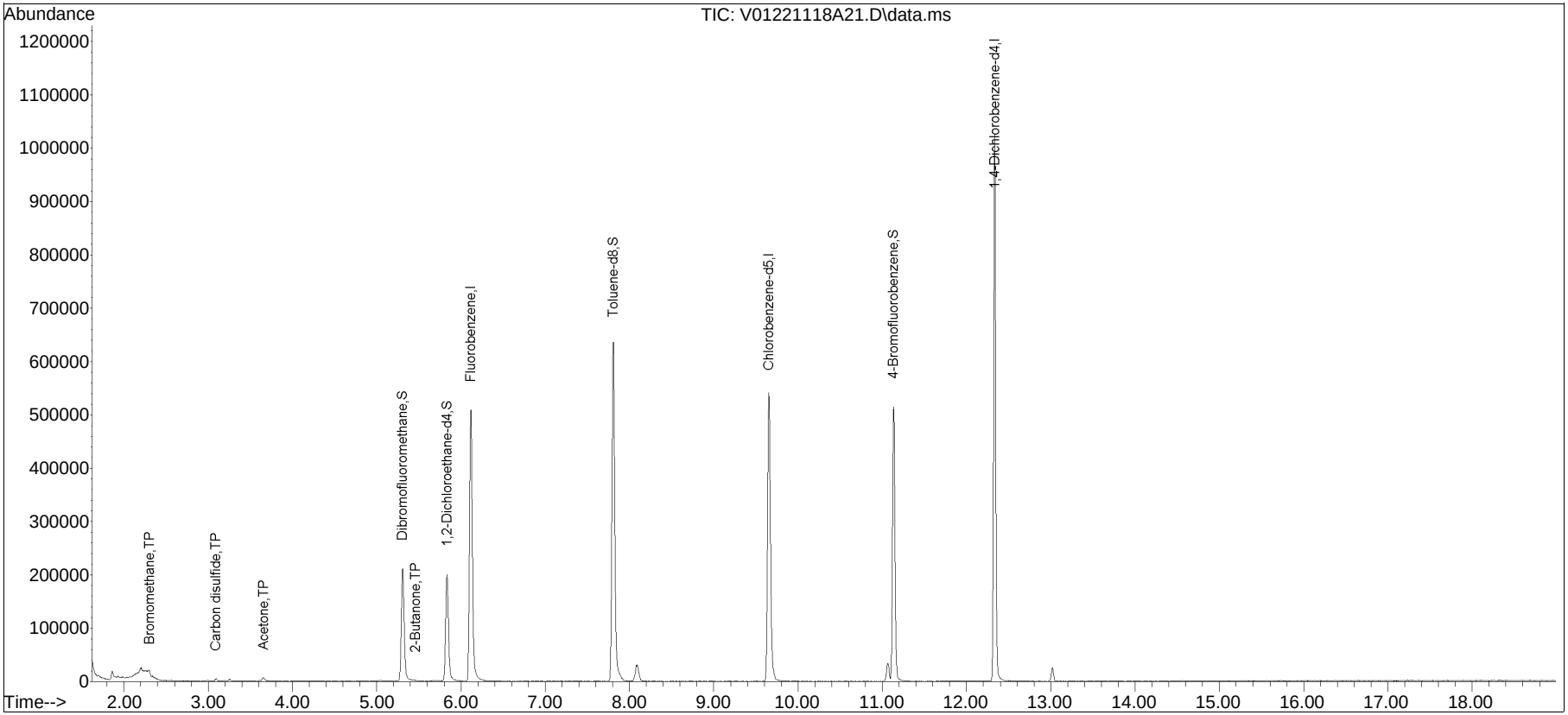
(#) = qualifier out of range (m) = manual integration (+) = signals summed

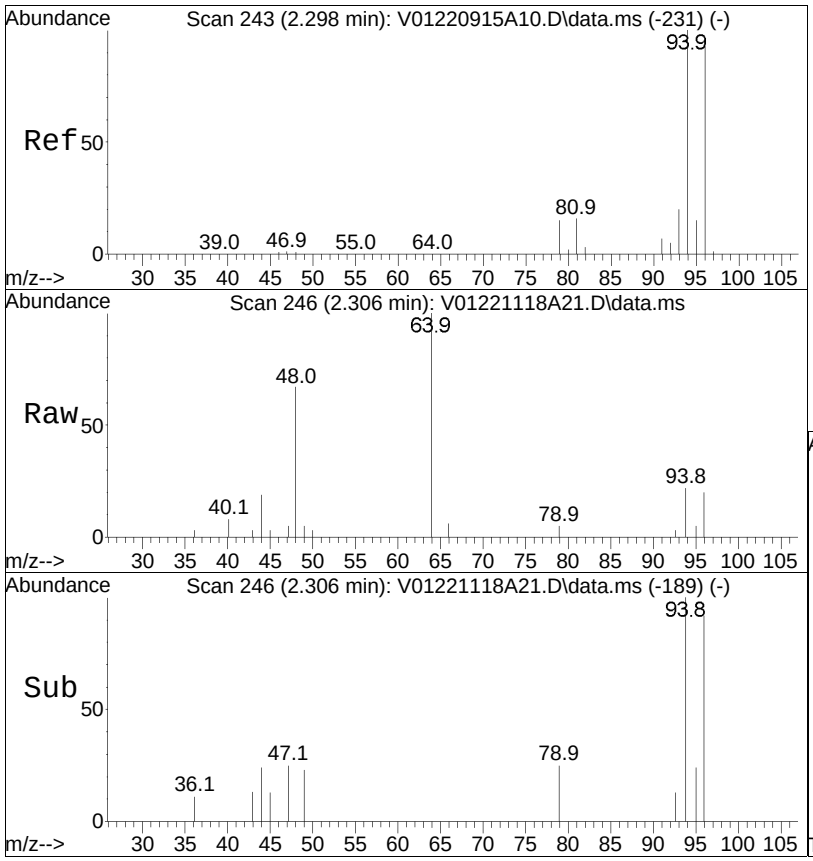
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A21.D
Acq On : 18 Nov 2022 4:03 pm
Operator : VOA101:LAC
Sample : L2263244-03,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 13:09:02 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

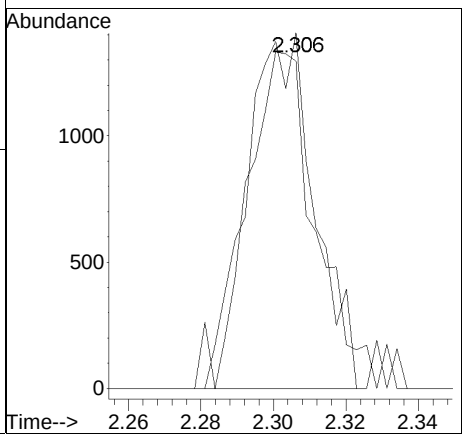


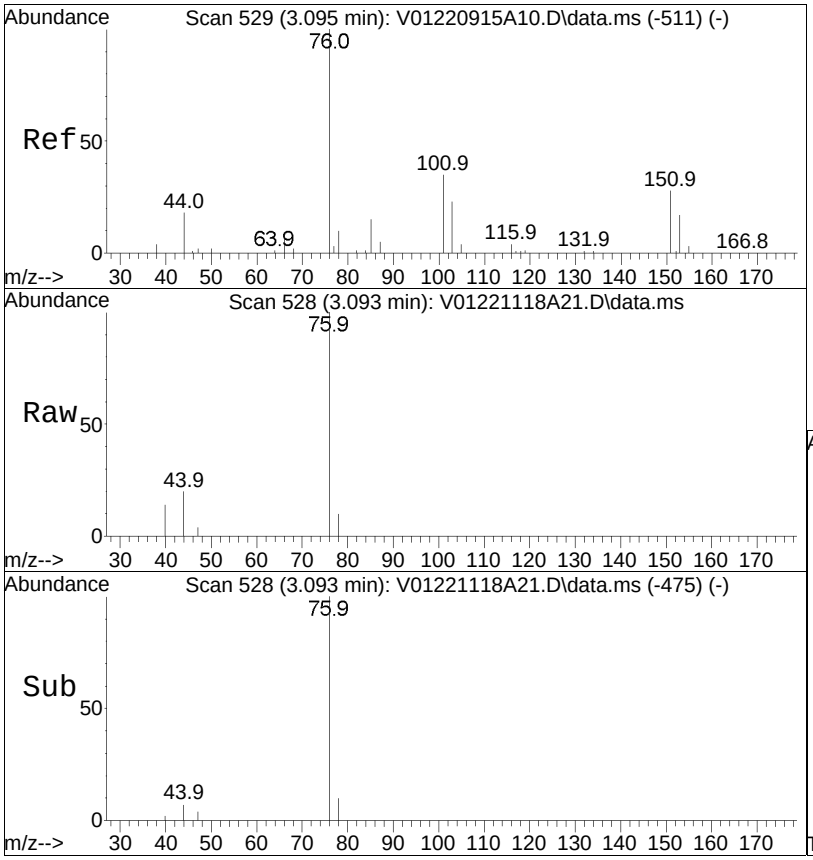


#5
Bromomethane
Concen: 0.21 ug/L
RT: 2.306 min Scan# 246
Delta R.T. 0.008 min
Lab File: V01221118A21.D
Acq: 18 Nov 2022 4:03 pm

Tgt Ion: 94 Resp: 1838

Ion	Ratio	Lower	Upper
94	100		
96	96.7	73.6	113.6

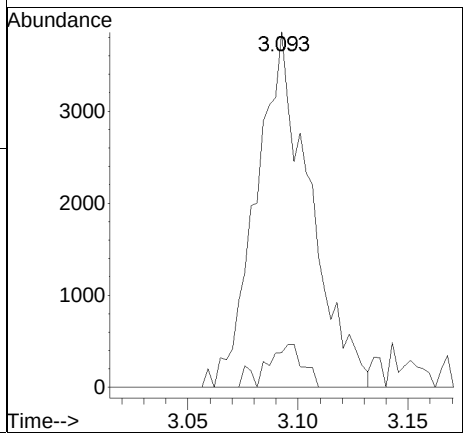


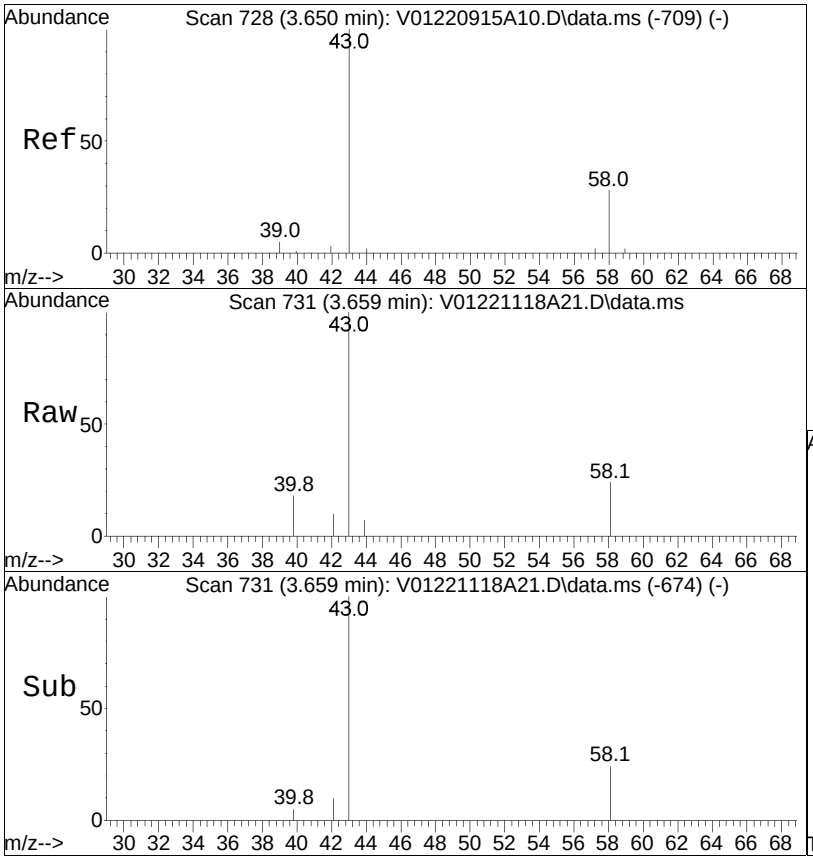


#11
Carbon disulfide
Concen: 0.23 ug/L
RT: 3.093 min Scan# 528
Delta R.T. -0.002 min
Lab File: V01221118A21.D
Acq: 18 Nov 2022 4:03 pm

Tgt Ion: 76 Resp: 6554

Ion	Ratio	Lower	Upper
76	100		
78	7.3	6.6	13.8

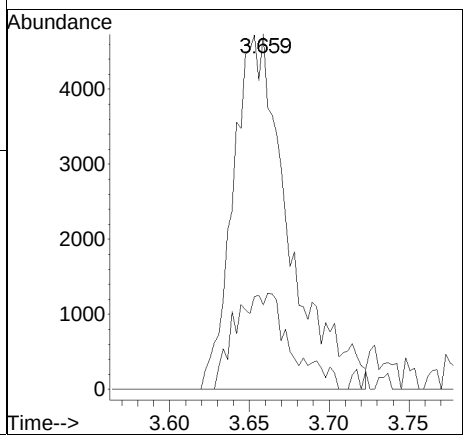


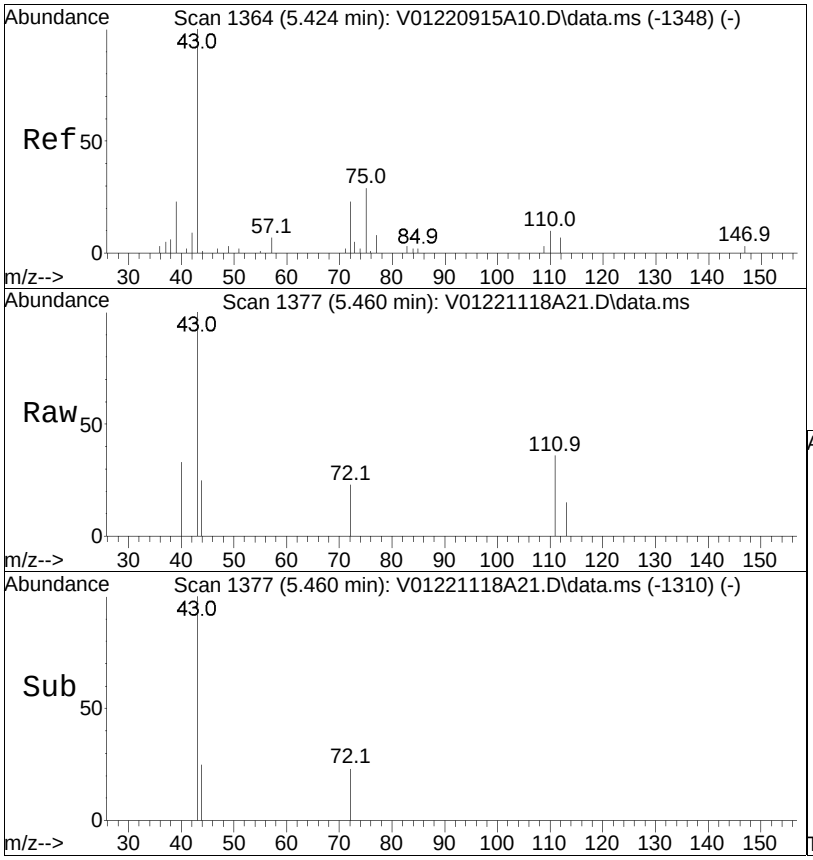


#17
Acetone
Concen: 3.86 ug/L M1
RT: 3.659 min Scan# 731
Delta R.T. 0.009 min
Lab File: V01221118A21.D
Acq: 18 Nov 2022 4:03 pm

Tgt Ion: 43 Resp: 11463

Ion	Ratio	Lower	Upper
43	100		
58	14.4	25.9	38.9#

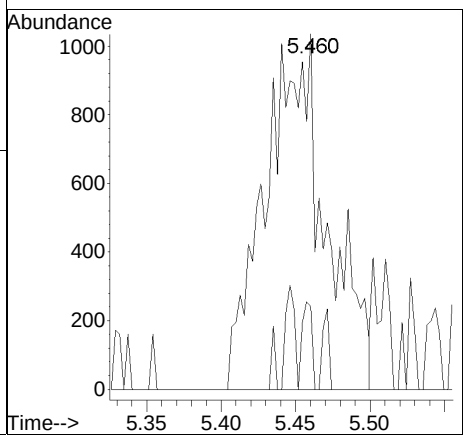




#39
2-Butanone
Concen: 0.80 ug/L M1
RT: 5.460 min Scan# 1377
Delta R.T. 0.036 min
Lab File: V01221118A21.D
Acq: 18 Nov 2022 4:03 pm

Tgt Ion: 43 Resp: 2935

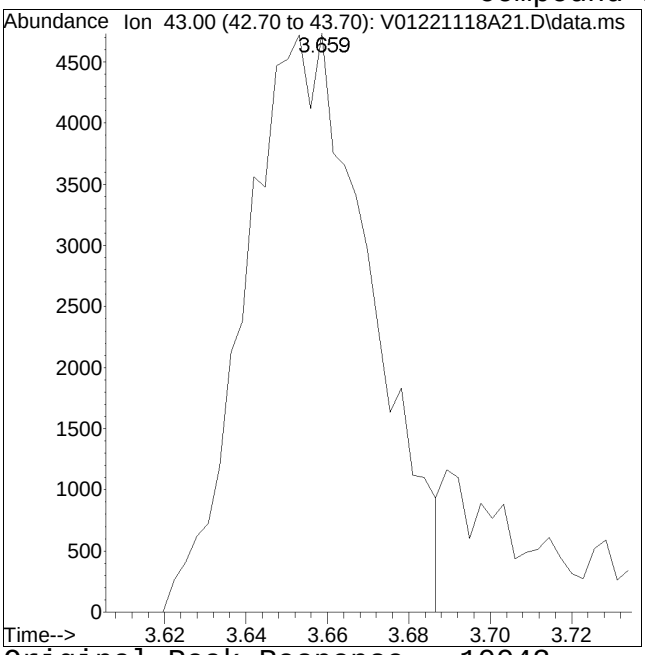
Ion	Ratio	Lower	Upper
43	100		
72	0.0	45.8	68.6#

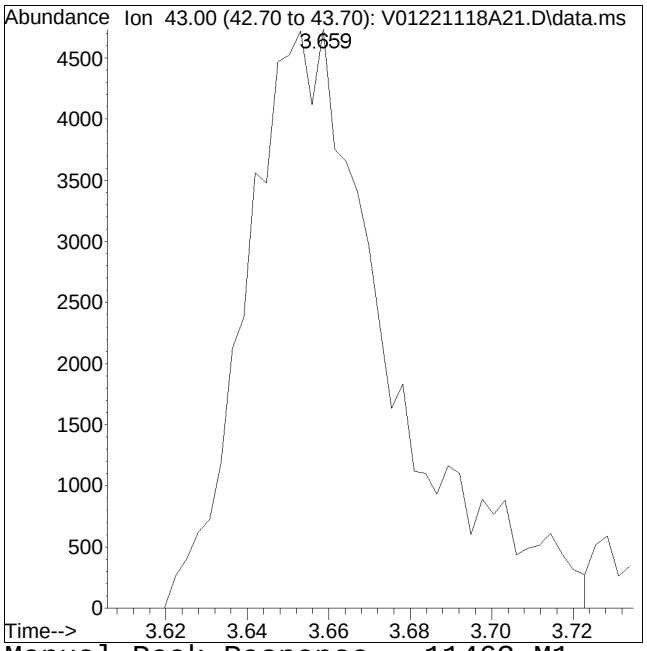


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A21.D Operator : VOA101:LAC
Date Inj'd : 11/18/2022 4:03 pm Instrument : VOA 101
Sample : L2263244-03,31,10,10,,A Quant Date : 11/19/2022 1:03 pm

Compound #17: Acetone



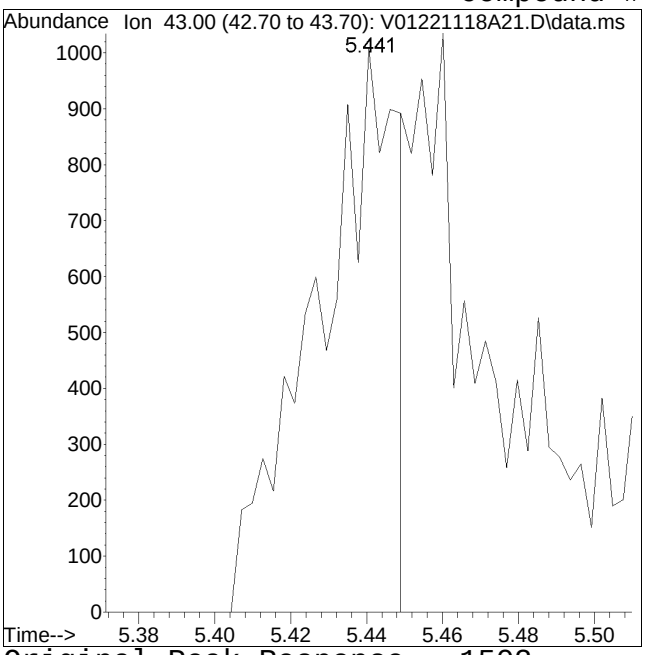


Original Peak Response = 10043 Manual Peak Response = 11463 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

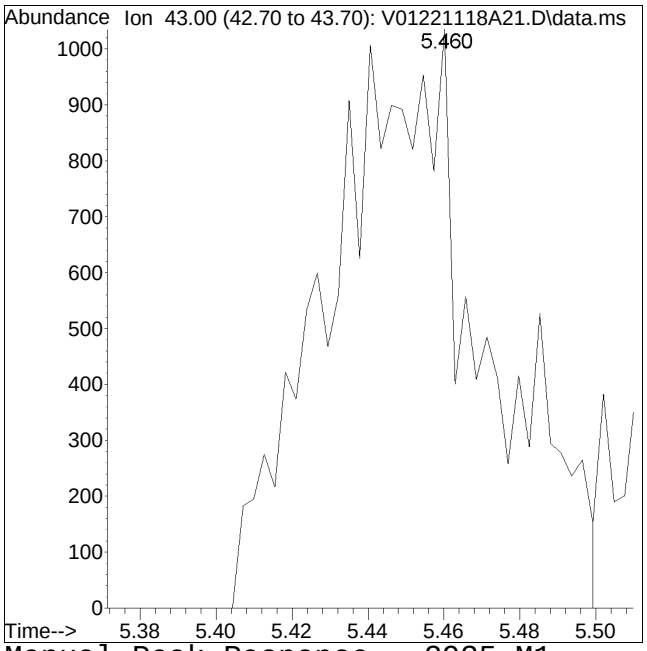
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A21.D Operator : VOA101:LAC
Date Inj'd : 11/18/2022 4:03 pm Instrument : VOA 101
Sample : L2263244-03,31,10,10,,A Quant Date : 11/19/2022 1:03 pm

Compound #39: 2-Butanone



Original Peak Response = 1502



Manual Peak Response = 2935 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A22.D
Acq On : 18 Nov 2022 4:27 pm
Operator : VOA101:LAC
Sample : L2263244-04,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 19 13:09:42 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	538083	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery = 77.22%			
59) Chlorobenzene-d5	9.651	117	520819	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery = 93.90%			
79) 1,4-Dichlorobenzene-d4	12.334	152	218017	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery = 73.10%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.307	113	140791	9.709	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.09%			
43) 1,2-Dichloroethane-d4	5.831	65	175121	11.041	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.41%			
60) Toluene-d8	7.805	98	527164	7.931	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 79.31%			
83) 4-Bromofluorobenzene	11.135	95	197963	10.146	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.712	85	64	N.D.		
3) Chloromethane	1.894	50	253	N.D.		
4) Vinyl chloride	1.983	62	19080	1.341	ug/L	69
5) Bromomethane	2.295	94	2055	0.245	ug/L	94
6) Chloroethane	2.434	64	344	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.093	76	4683	0.166	ug/L	91
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.698	43	164	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.773	43	89	N.D.		
20) Methyl tert-butyl ether	3.857	73	214	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.869	96	127	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.050	56	94	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A22.D
Acq On : 18 Nov 2022 4:27 pm
Operator : VOA101:LAC
Sample : L2263244-04,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 19 13:09:42 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.407	43	34		N.D.	
41) Benzene	5.711	78	914		N.D.	
44) 1,2-Dichloroethane	5.901	62	31		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	6.235	95	190		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.875	92	122		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	9.336	43	61		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.704	91	76		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.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.267	146	27		N.D.	
101) 1,4-Dichlorobenzene	12.345	146	186		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.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

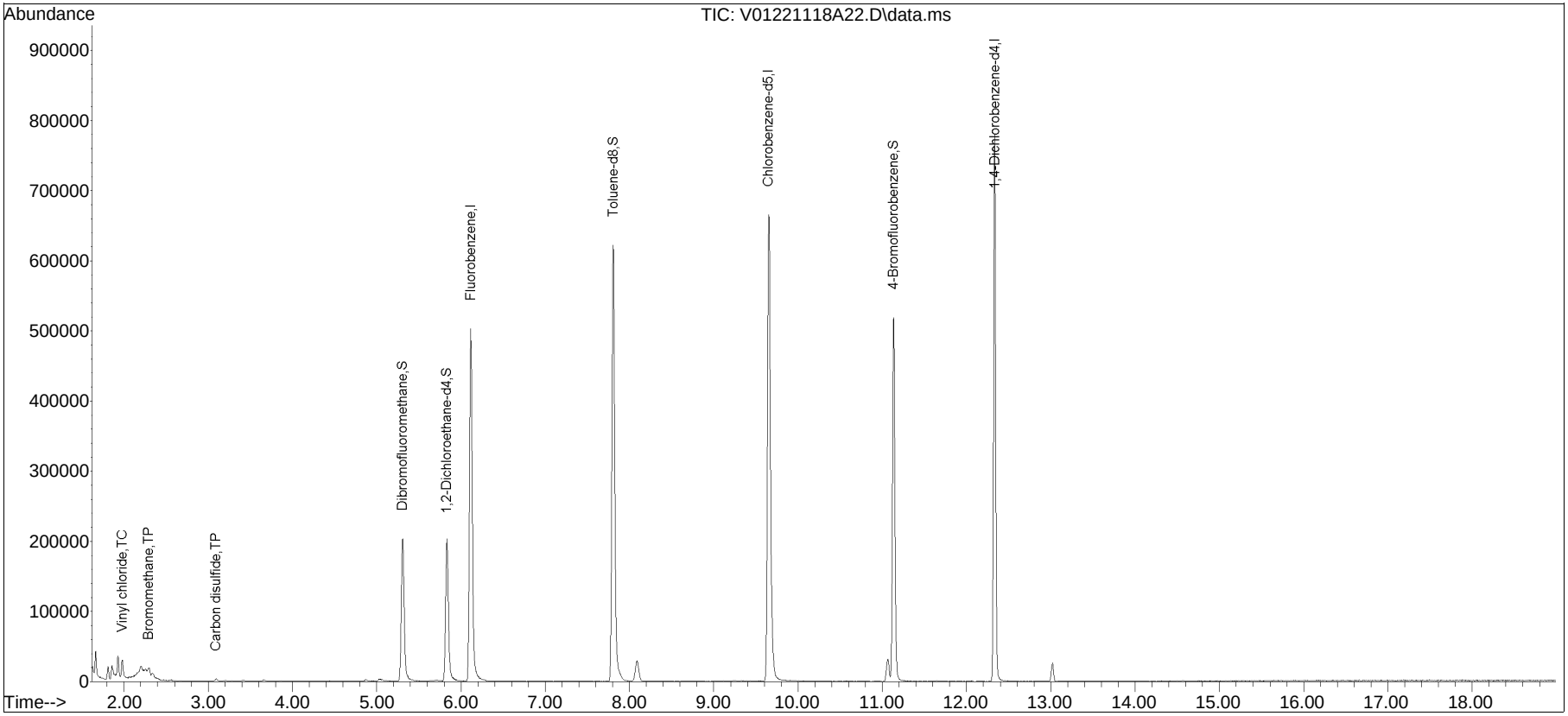
(#) = qualifier out of range (m) = manual integration (+) = signals summed

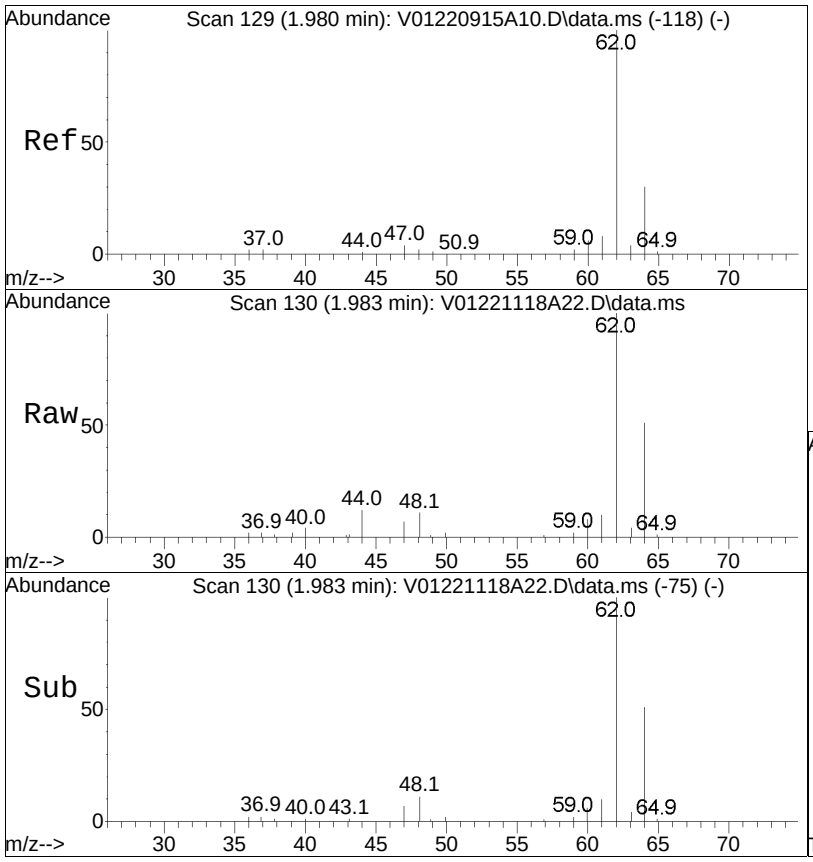
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A22.D
Acq On : 18 Nov 2022 4:27 pm
Operator : VOA101:LAC
Sample : L2263244-04,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 19 13:09:42 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

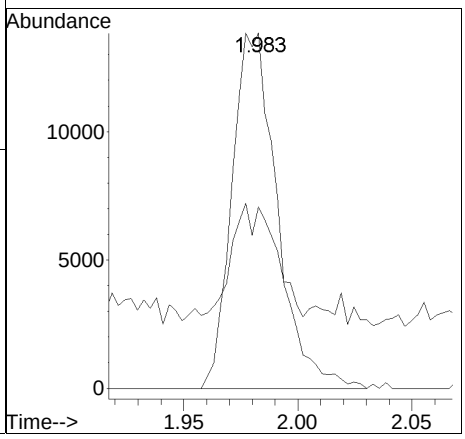


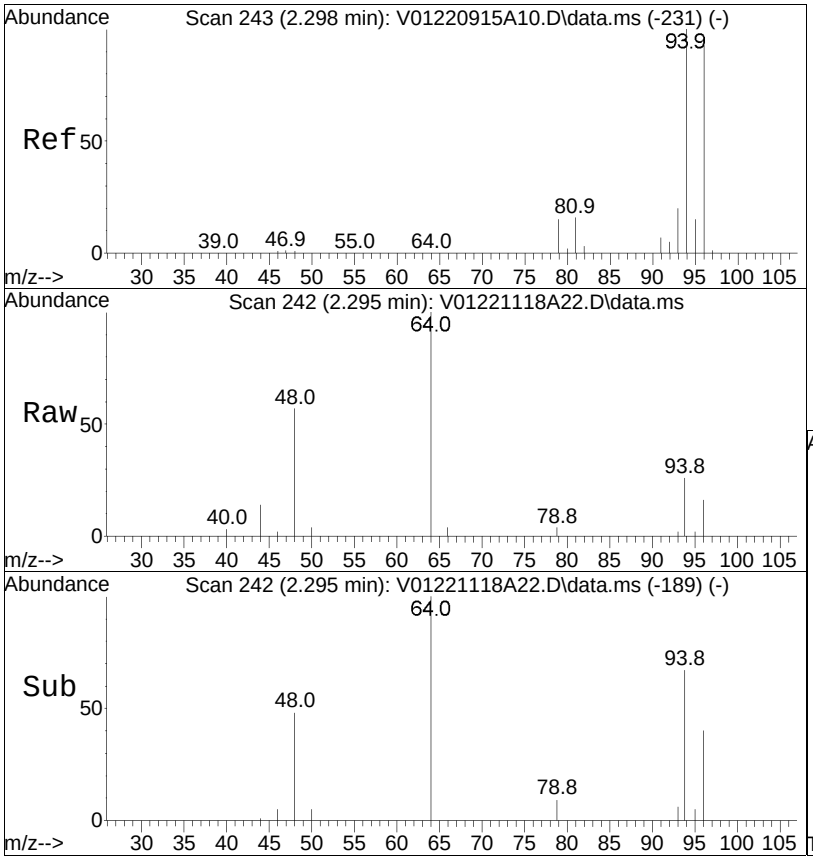


#4
Vinyl chloride
Concen: 1.34 ug/L
RT: 1.983 min Scan# 130
Delta R.T. 0.003 min
Lab File: V01221118A22.D
Acq: 18 Nov 2022 4:27 pm

Tgt Ion: 62 Resp: 19080

Ion	Ratio	Lower	Upper
62	100		
64	13.8	10.8	50.8

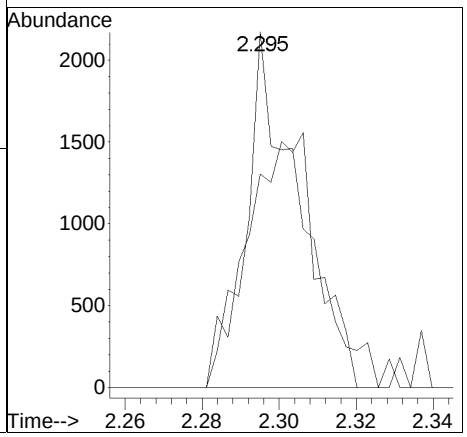


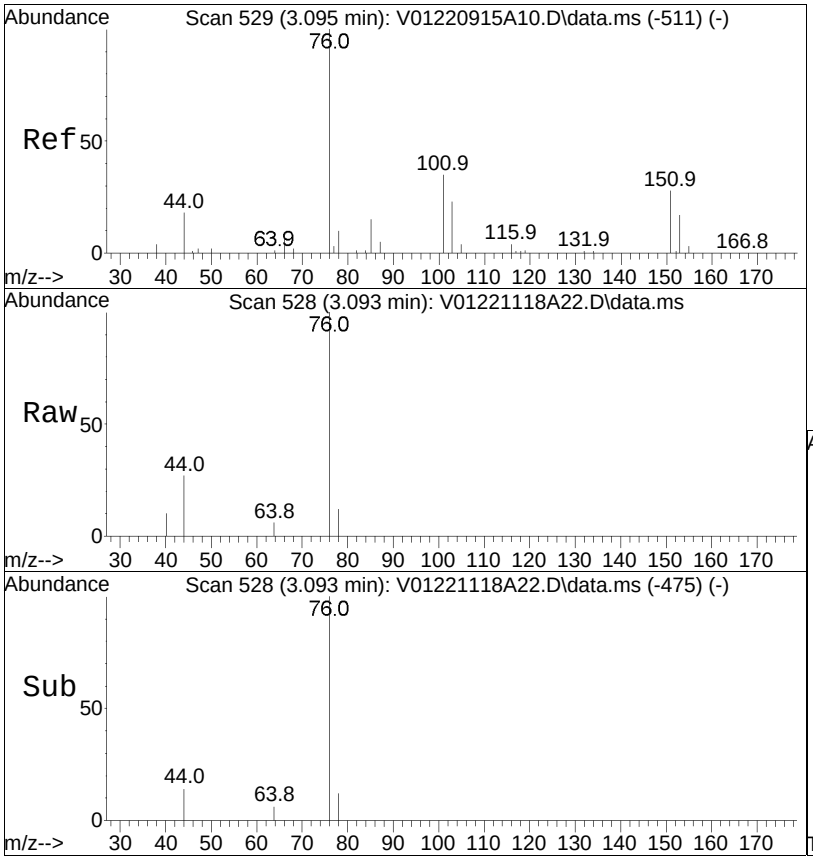


#5
Bromomethane
Concen: 0.25 ug/L
RT: 2.295 min Scan# 242
Delta R.T. -0.003 min
Lab File: V01221118A22.D
Acq: 18 Nov 2022 4:27 pm

Tgt Ion: 94 Resp: 2055

Ion	Ratio	Lower	Upper
94	100		
96	99.0	73.6	113.6

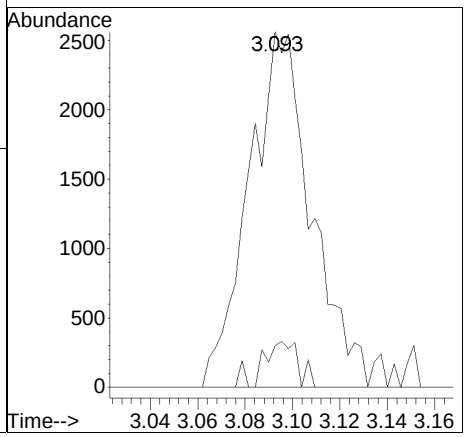




#11
Carbon disulfide
Concen: 0.17 ug/L
RT: 3.093 min Scan# 528
Delta R.T. -0.002 min
Lab File: V01221118A22.D
Acq: 18 Nov 2022 4:27 pm

Tgt Ion: 76 Resp: 4683

Ion	Ratio	Lower	Upper
76	100		
78	6.7	6.6	13.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2022\2	QMethod	: V101_220915A_8260.m
Data File	: V01221118A22.D	Operator	: VOA101:LAC
Date Inj'd	: 11/18/2022 4:27 pm	Instrument	: VOA 101
Sample	: L2263244-04,31,10,10,,A	Quant Date	: 11/19/2022 1:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A23.D
Acq On : 18 Nov 2022 4:50 pm
Operator : VOA101:LAC
Sample : L2263244-05,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 19 13:11:05 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.116	96	527125	10.000 ug/L	0.00
Standard Area 1 = 696801			Recovery = 75.65%		
59) Chlorobenzene-d5	9.652	117	506692	10.000 ug/L	0.00
Standard Area 1 = 554627			Recovery = 91.36%		
79) 1,4-Dichlorobenzene-d4	12.334	152	212048	10.000 ug/L	0.00
Standard Area 1 = 298241			Recovery = 71.10%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.307	113	141046	9.929 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.29%		
43) 1,2-Dichloroethane-d4	5.834	65	173941	11.194 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.94%		
60) Toluene-d8	7.811	98	511378	7.908 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 79.08%		
83) 4-Bromofluorobenzene	11.132	95	196070	10.332 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.32%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.905	50	1134	0.075 ug/L #	54
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.301	94	1900	0.232 ug/L	95
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	3.090	76	3679	0.133 ug/L #	79
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.620	84	27	N.D.	
17) Acetone	3.656	43	2395M1	0.842 ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.779	43	100	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	4.933	96	26	N.D.	
30) Bromochloromethane	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.	

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A23.D
Acq On : 18 Nov 2022 4:50 pm
Operator : VOA101:LAC
Sample : L2263244-05,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 19 13:11:05 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.430	43	28		N.D.	
41) Benzene	5.700	78	61		N.D.	
44) 1,2-Dichloroethane	5.904	62	111		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	6.216	95	147		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	9.314	43	40		N.D.	
73) Chlorobenzene	9.660	112	35		N.D.	
74) Ethylbenzene	9.710	91	132		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	10.572	104	26		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.331	146	73		N.D.	
101) 1,4-Dichlorobenzene	12.348	146	28		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.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

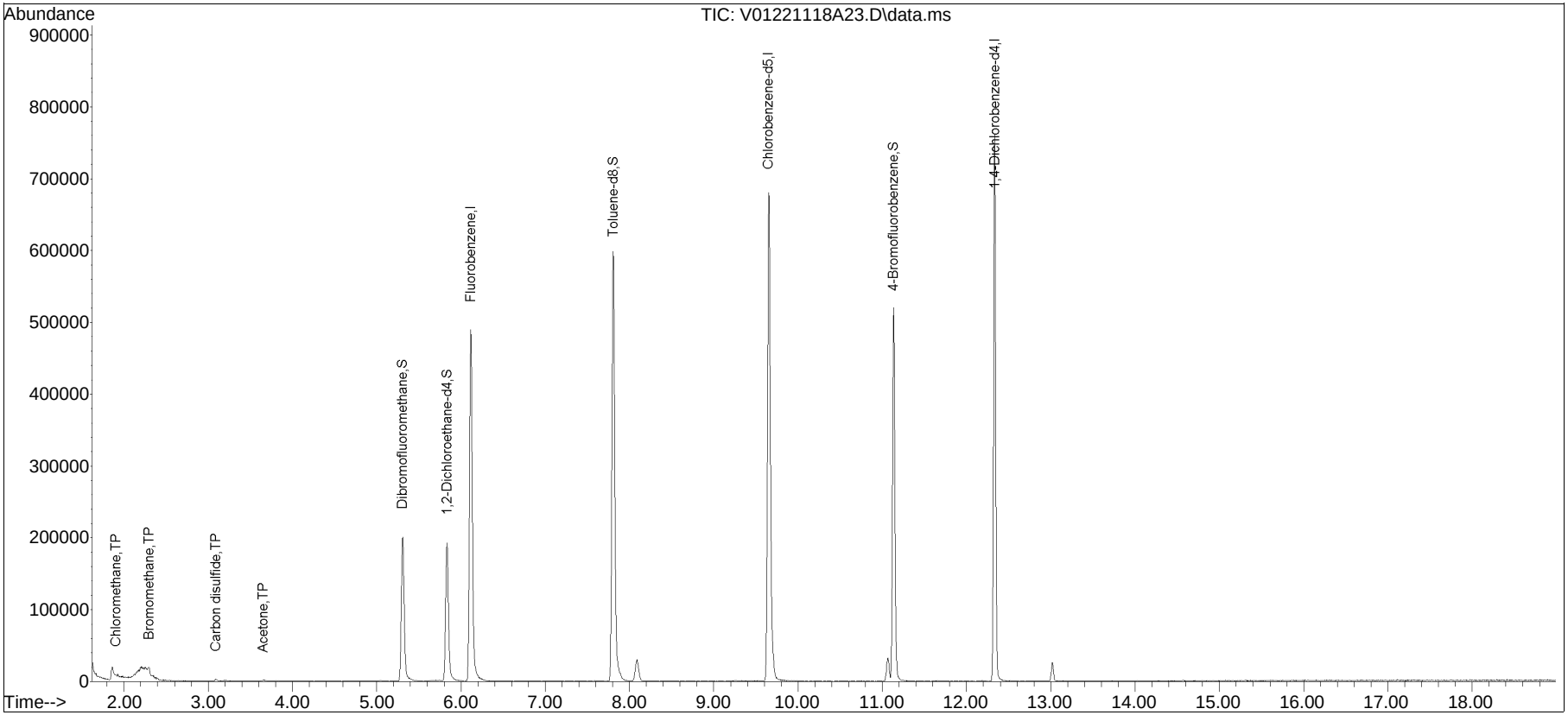
(#) = qualifier out of range (m) = manual integration (+) = signals summed

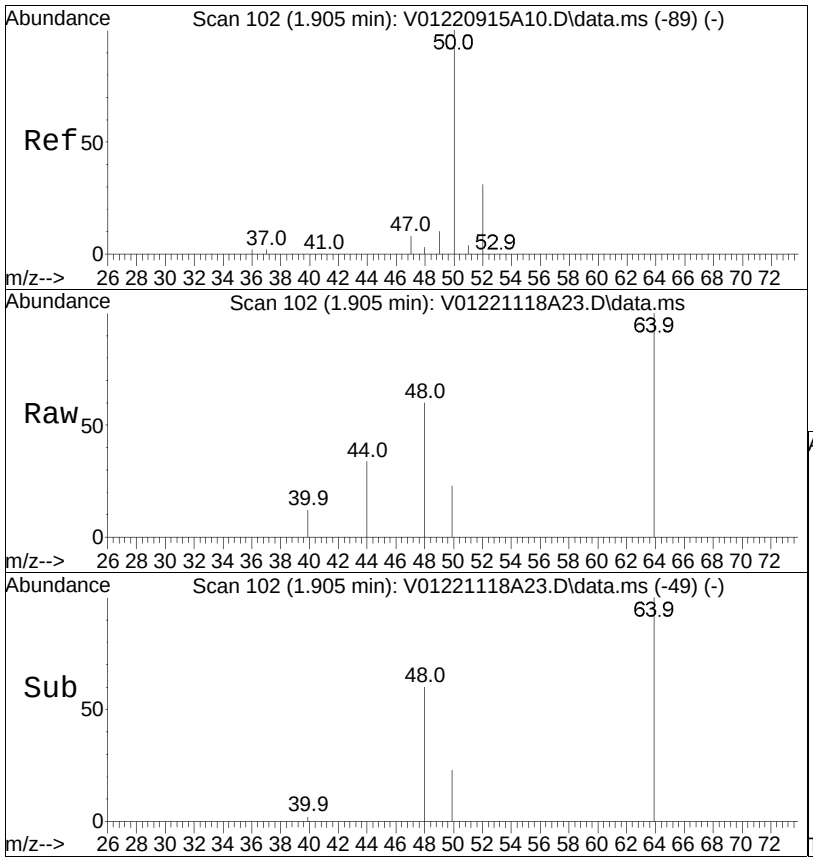
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A23.D
Acq On : 18 Nov 2022 4:50 pm
Operator : VOA101:LAC
Sample : L2263244-05,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 19 13:11:05 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

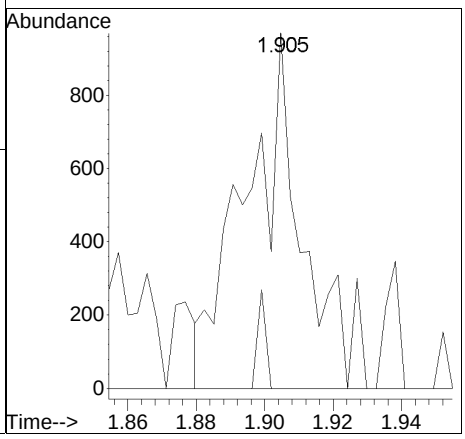


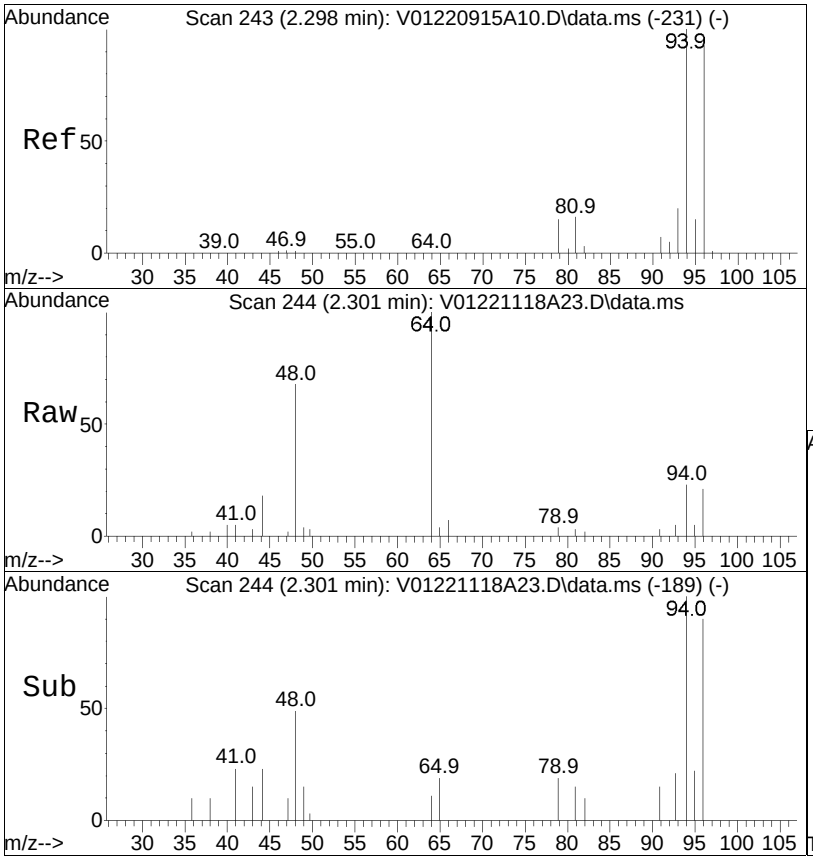


#3
Chloromethane
Concen: 0.08 ug/L
RT: 1.905 min Scan# 102
Delta R.T. -0.000 min
Lab File: V01221118A23.D
Acq: 18 Nov 2022 4:50 pm

Tgt Ion: 50 Resp: 1134

Ion	Ratio	Lower	Upper
50	100		
52	4.0	12.8	52.8#
47	0.0	0.0	28.3

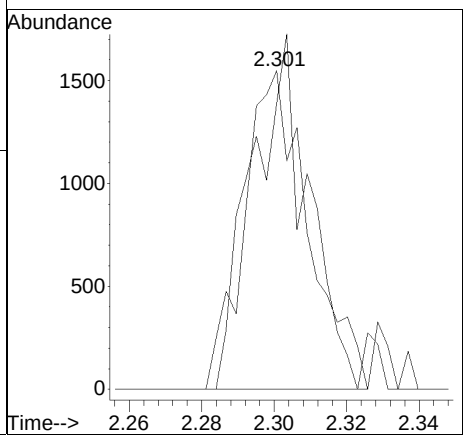


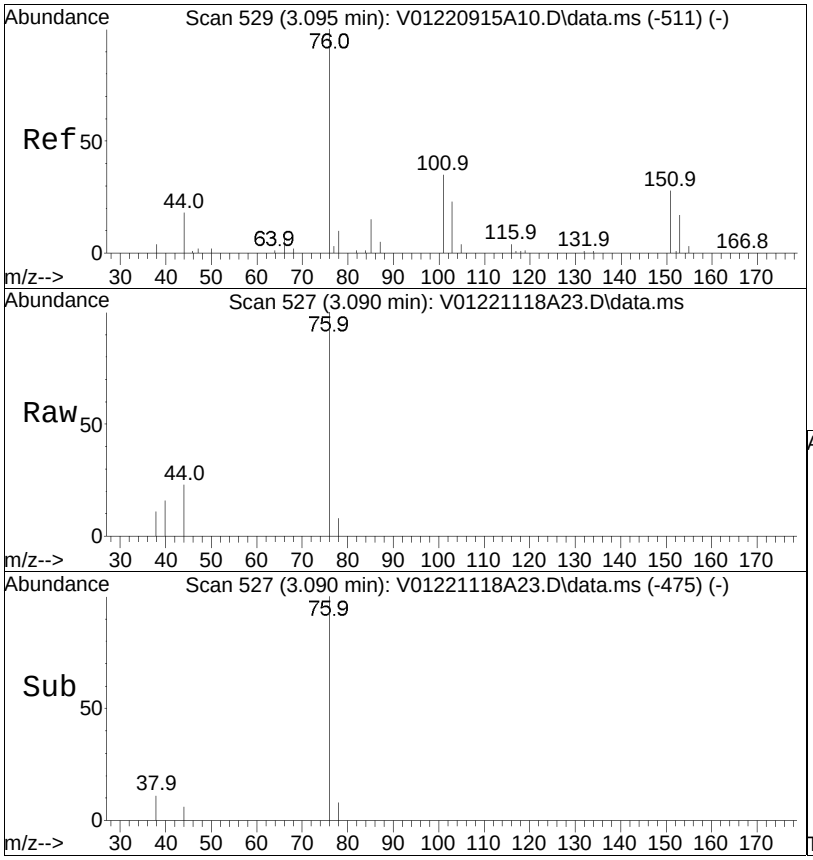


#5
Bromomethane
Concen: 0.23 ug/L
RT: 2.301 min Scan# 244
Delta R.T. 0.003 min
Lab File: V01221118A23.D
Acq: 18 Nov 2022 4:50 pm

Tgt Ion: 94 Resp: 1900

Ion	Ratio	Lower	Upper
94	100		
96	98.6	73.6	113.6

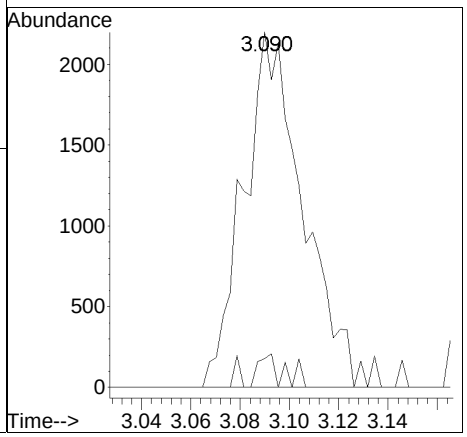


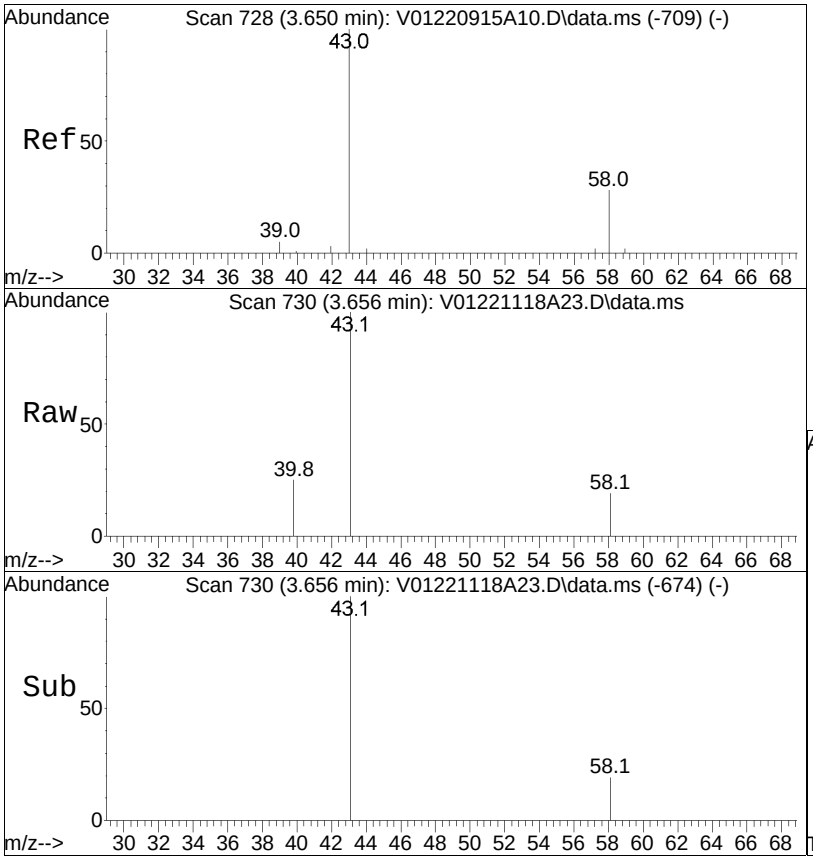


#11
Carbon disulfide
Concen: 0.13 ug/L
RT: 3.090 min Scan# 527
Delta R.T. -0.005 min
Lab File: V01221118A23.D
Acq: 18 Nov 2022 4:50 pm

Tgt Ion: 76 Resp: 3679

Ion	Ratio	Lower	Upper
76	100		
78	2.5	6.6	13.8#

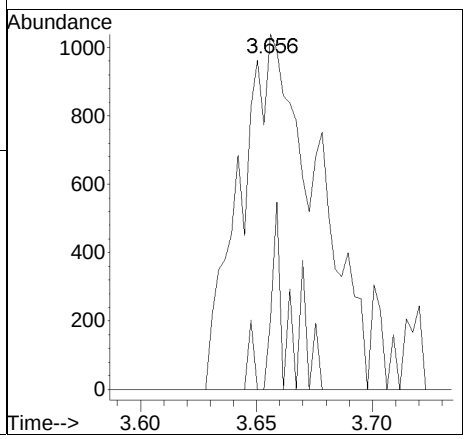




#17
Acetone
Concen: 0.84 ug/L M1
RT: 3.656 min Scan# 730
Delta R.T. 0.006 min
Lab File: V01221118A23.D
Acq: 18 Nov 2022 4:50 pm

Tgt Ion: 43 Resp: 2395

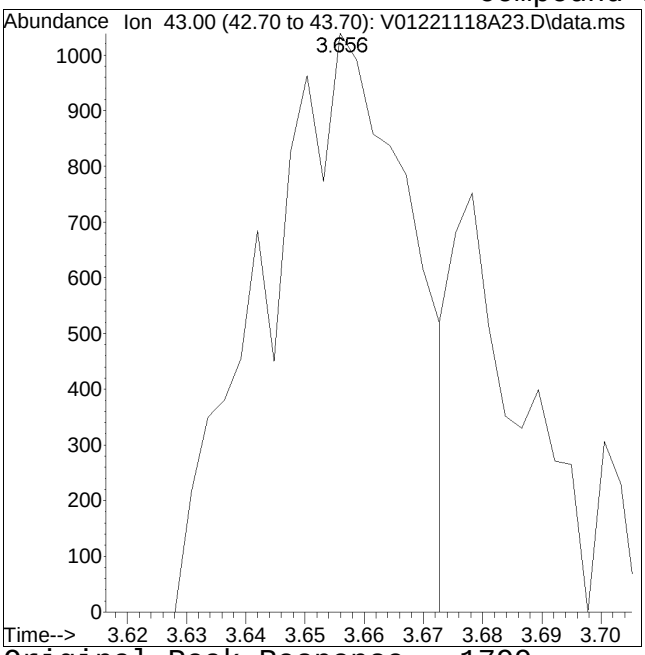
Ion	Ratio	Lower	Upper
43	100		
58	7.3	25.9	38.9#



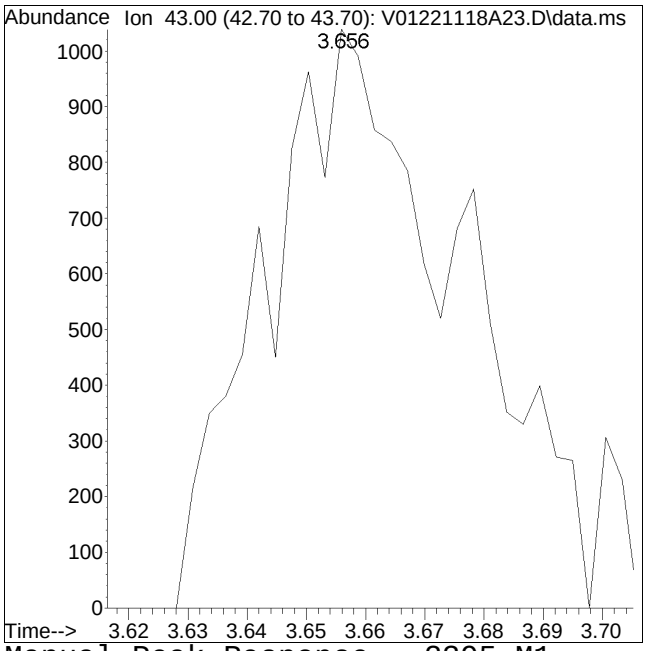
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A23.D Operator : VOA101:LAC
Date Inj'd : 11/18/2022 4:50 pm Instrument : VOA 101
Sample : L2263244-05,31,10,10,,A Quant Date : 11/19/2022 1:04 pm

Compound #17: Acetone



Original Peak Response = 1799



Manual Peak Response = 2395 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A25.D
Acq On : 18 Nov 2022 5:38 pm
Operator : VOA101:LAC
Sample : L2263244-07,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 13:13:08 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	502076	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery = 72.05%			
59) Chlorobenzene-d5	9.657	117	489760	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery = 88.30%			
79) 1,4-Dichlorobenzene-d4	12.334	152	201019	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery = 67.40%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.307	113	131991	9.755	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.55%			
43) 1,2-Dichloroethane-d4	5.831	65	164498	11.115	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.15%			
60) Toluene-d8	7.808	98	492478	7.879	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 78.79%			
83) 4-Bromofluorobenzene	11.132	95	183575	10.204	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.896	50	493	N.D.		
4) Vinyl chloride	1.977	62	968	0.073	ug/L #	44
5) Bromomethane	2.303	94	1501	0.192	ug/L	97
6) Chloroethane	2.401	64	281	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.095	76	5044	0.192	ug/L #	86
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.608	84	29	N.D.		
17) Acetone	3.664	43	3283M3	1.211	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.770	43	55	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	4.347	63	1218	N.D.		
28) cis-1,2-Dichloroethene	4.886	96	2889M3	0.236	ug/L	
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.075	56	33	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A25.D
Acq On : 18 Nov 2022 5:38 pm
Operator : VOA101:LAC
Sample : L2263244-07,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 13:13:08 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.697	78	26	N.D.		
44) 1,2-Dichloroethane	5.903	62	112	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.294	95	358	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.869	92	26	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	9.319	43	26	N.D.		
73) Chlorobenzene	9.690	112	95	N.D.		
74) Ethylbenzene	9.707	91	38	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.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.264	146	107	N.D.		
101) 1,4-Dichlorobenzene	12.340	146	272	N.D.		
104) 1,2-Dichlorobenzene	12.780	146	58	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

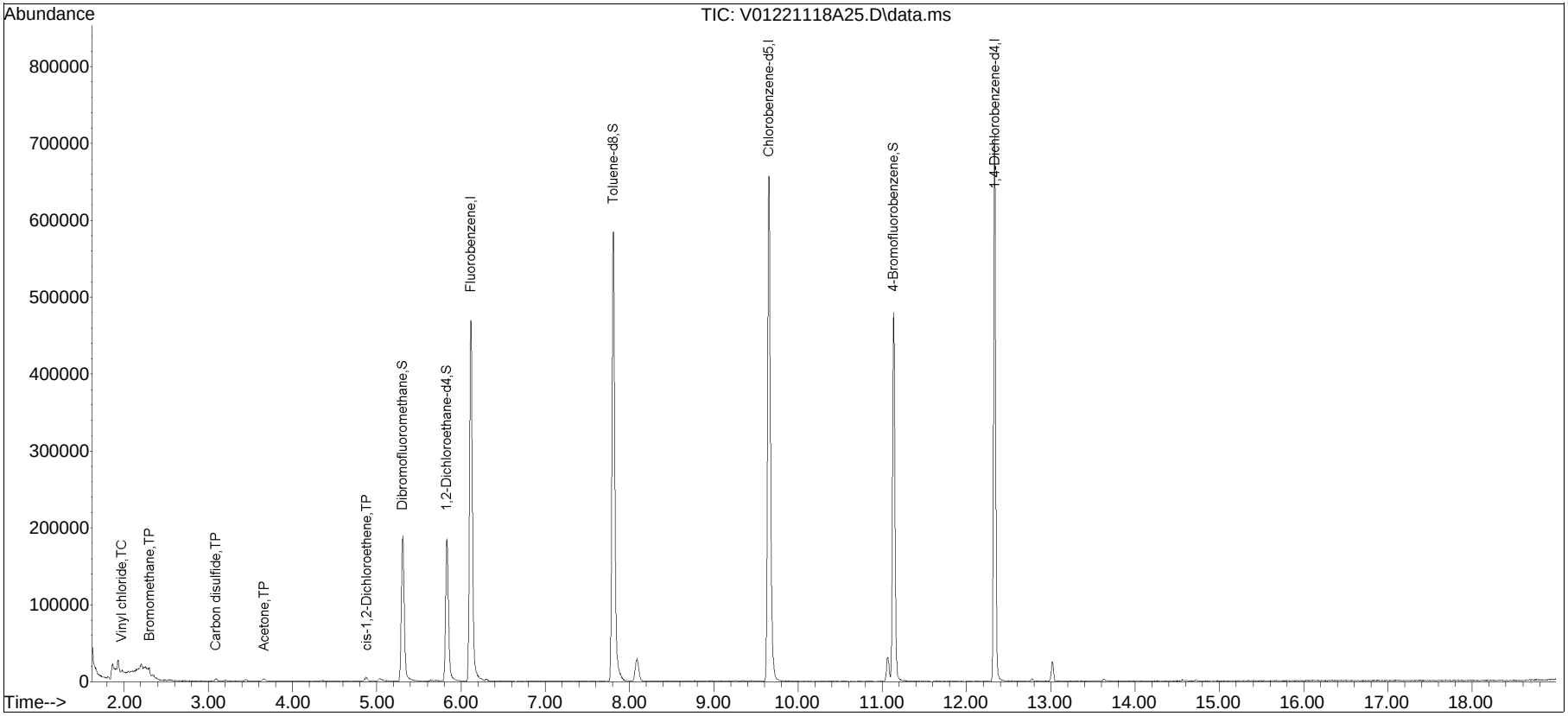
(#) = qualifier out of range (m) = manual integration (+) = signals summed

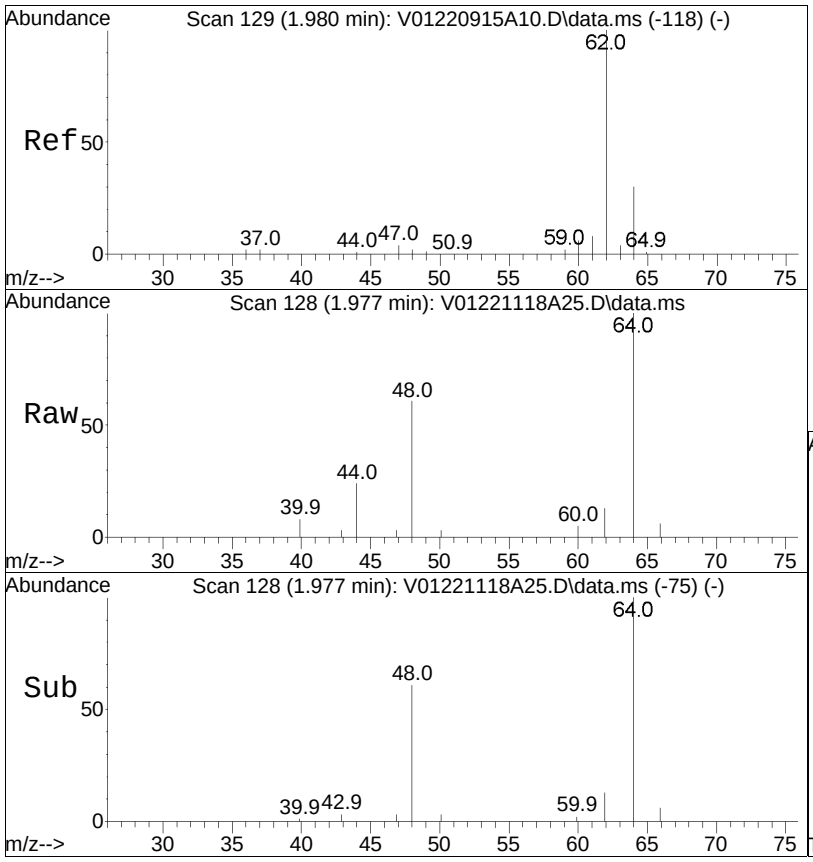
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A25.D
Acq On : 18 Nov 2022 5:38 pm
Operator : VOA101:LAC
Sample : L2263244-07,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 13:13:08 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

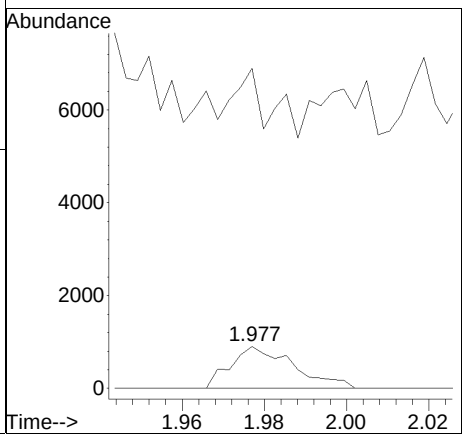


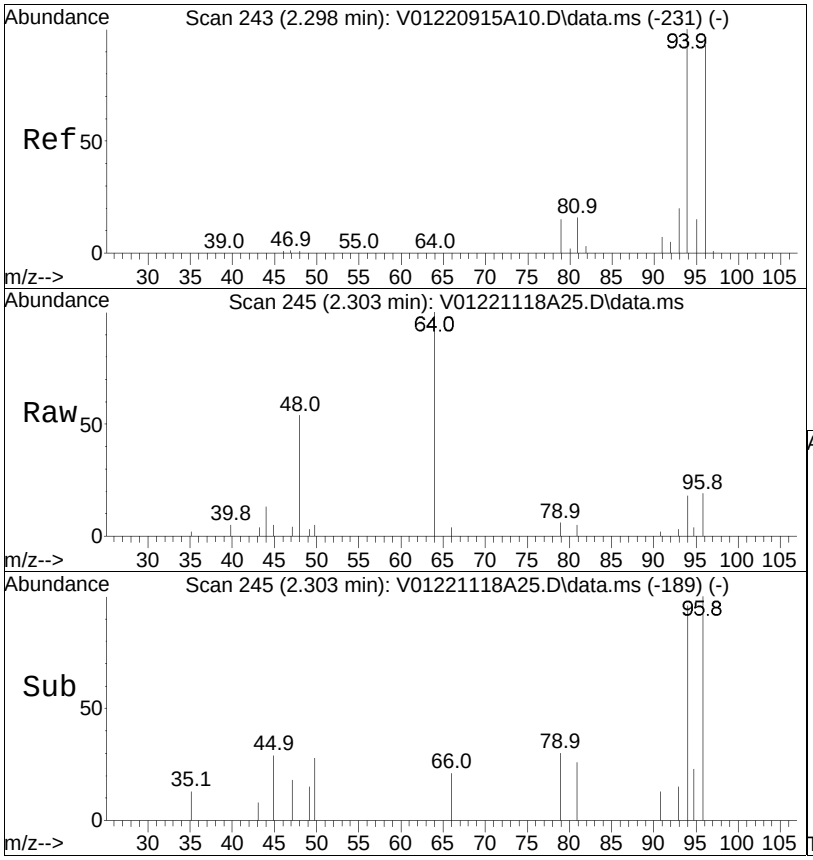


#4
Vinyl chloride
Concen: 0.07 ug/L
RT: 1.977 min Scan# 128
Delta R.T. -0.003 min
Lab File: V01221118A25.D
Acq: 18 Nov 2022 5:38 pm

Tgt Ion: 62 Resp: 968

Ion	Ratio	Lower	Upper
62	100		
64	0.0	10.8	50.8#

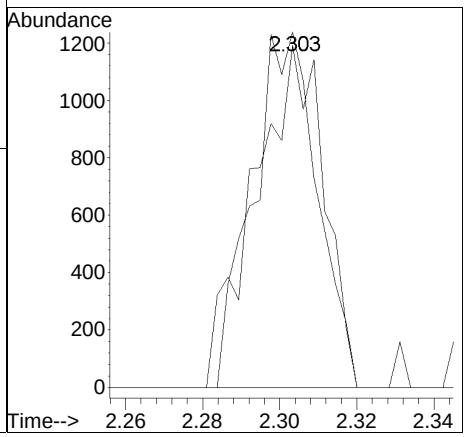


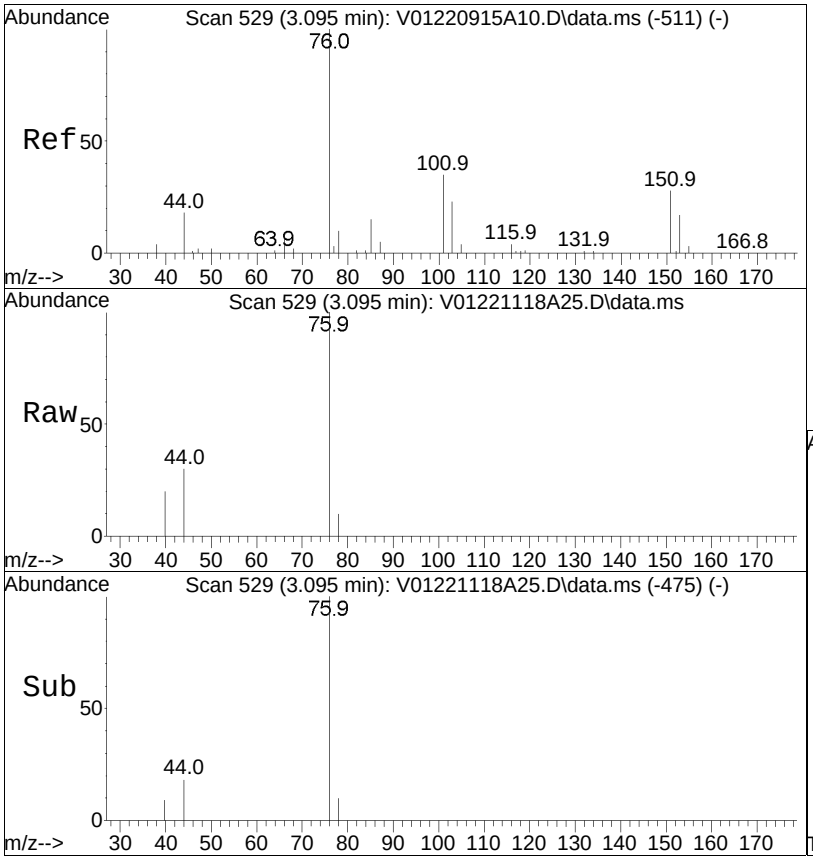


#5
Bromomethane
Concen: 0.19 ug/L
RT: 2.303 min Scan# 245
Delta R.T. 0.005 min
Lab File: V01221118A25.D
Acq: 18 Nov 2022 5:38 pm

Tgt Ion: 94 Resp: 1501

Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.6	113.6

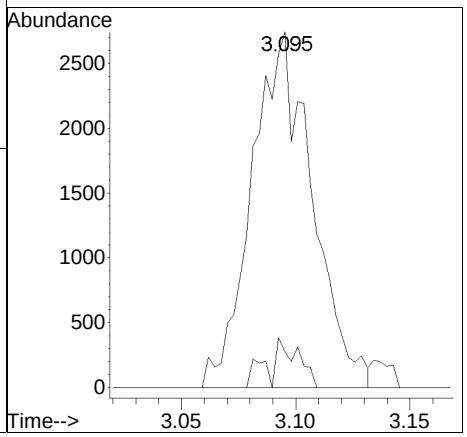


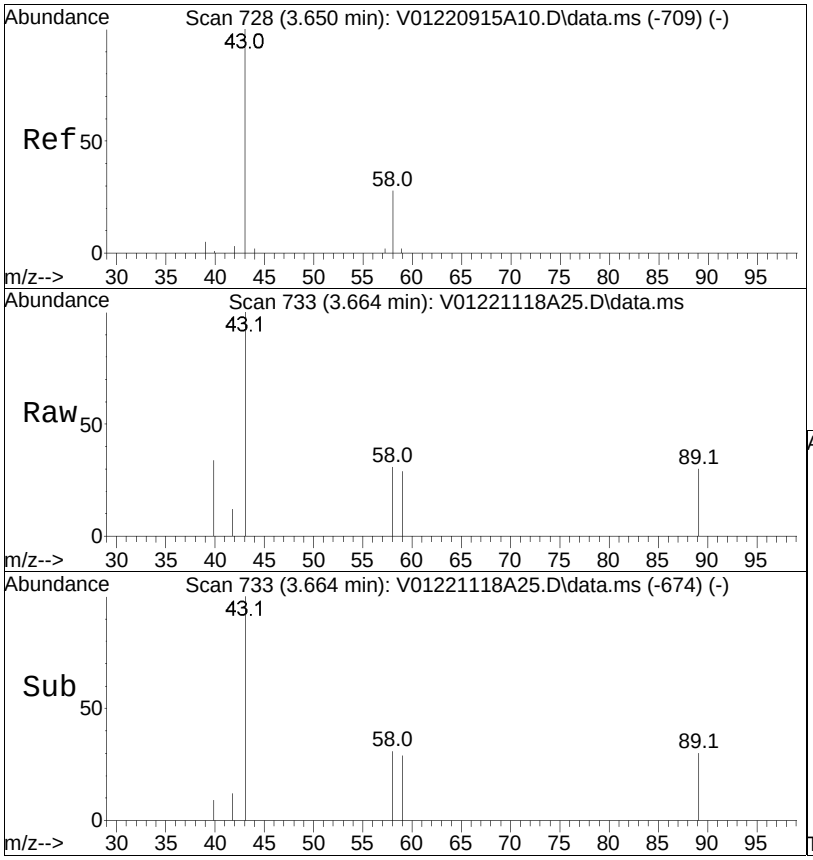


#11
Carbon disulfide
Concen: 0.19 ug/L
RT: 3.095 min Scan# 529
Delta R.T. 0.000 min
Lab File: V01221118A25.D
Acq: 18 Nov 2022 5:38 pm

Tgt Ion: 76 Resp: 5044

Ion	Ratio	Lower	Upper
76	100		
78	5.0	6.6	13.8#

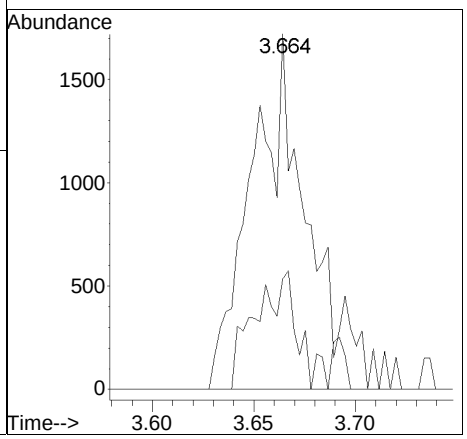


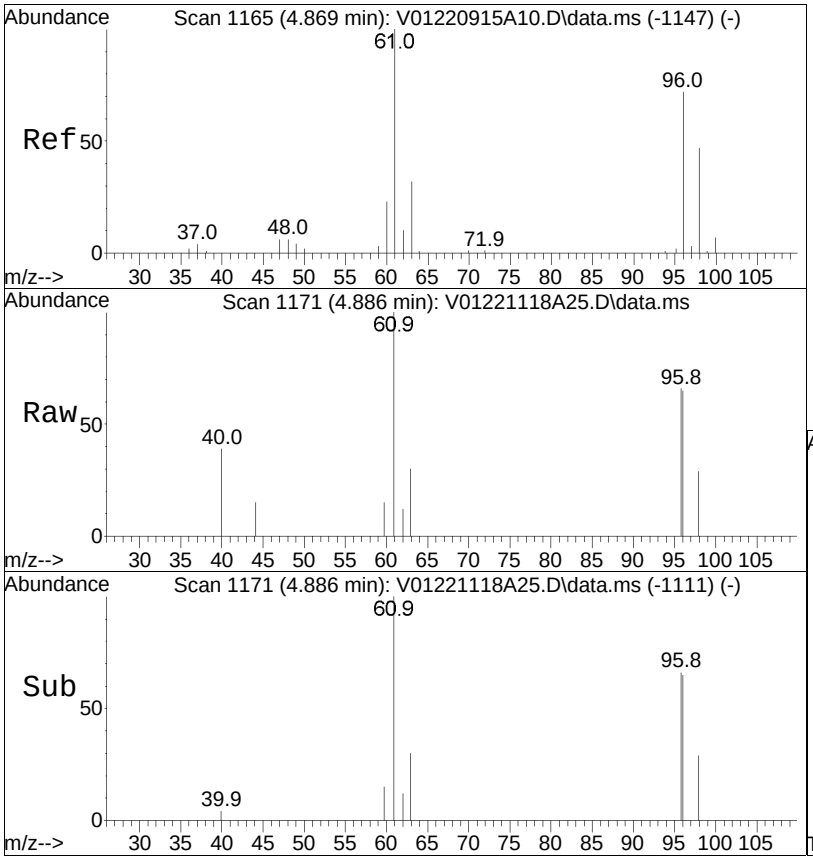


#17
Acetone
Concen: 1.21 ug/L M3
RT: 3.664 min Scan# 733
Delta R.T. 0.014 min
Lab File: V01221118A25.D
Acq: 18 Nov 2022 5:38 pm

Tgt Ion: 43 Resp: 3283

Ion	Ratio	Lower	Upper
43	100		
58	14.6	25.9	38.9#

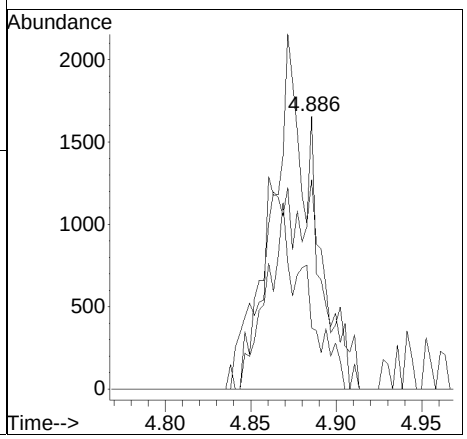




#28
cis-1,2-Dichloroethene
Concen: 0.24 ug/L M3
RT: 4.886 min Scan# 1171
Delta R.T. 0.017 min
Lab File: V01221118A25.D
Acq: 18 Nov 2022 5:38 pm

Tgt Ion: 96 Resp: 2889

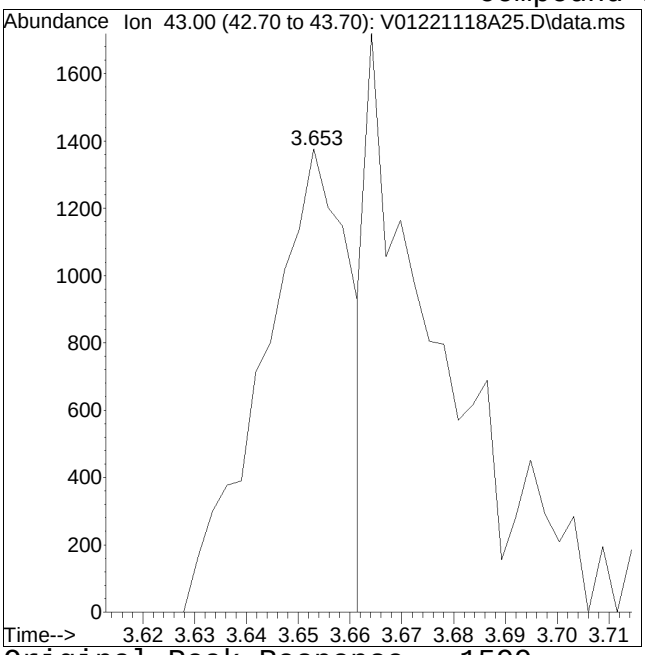
Ion	Ratio	Lower	Upper
96	100		
61	125.2	105.8	158.6
98	36.8	51.1	76.7#

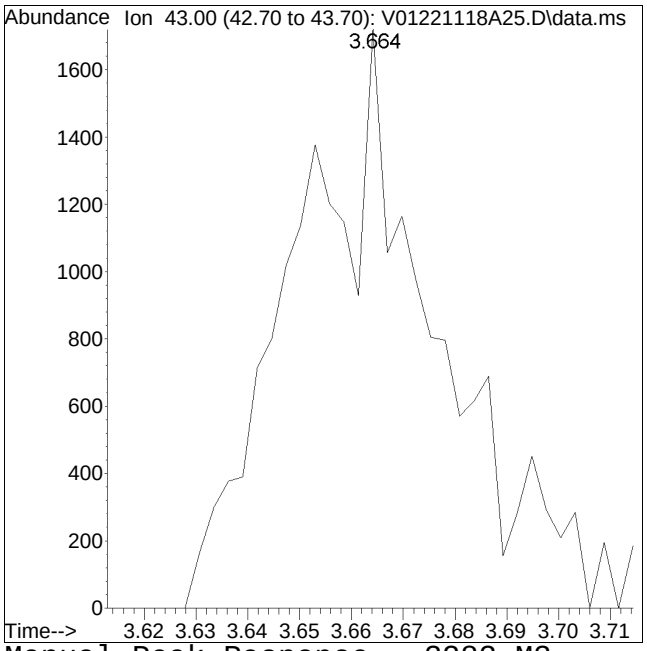


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A25.D Operator : VOA101:LAC
Date Inj'd : 11/18/2022 5:38 pm Instrument : VOA 101
Sample : L2263244-07,31,10,10,,A Quant Date : 11/19/2022 1:04 pm

Compound #17: Acetone





Original Peak Response = 1599 Manual Peak Response = 3283 M3

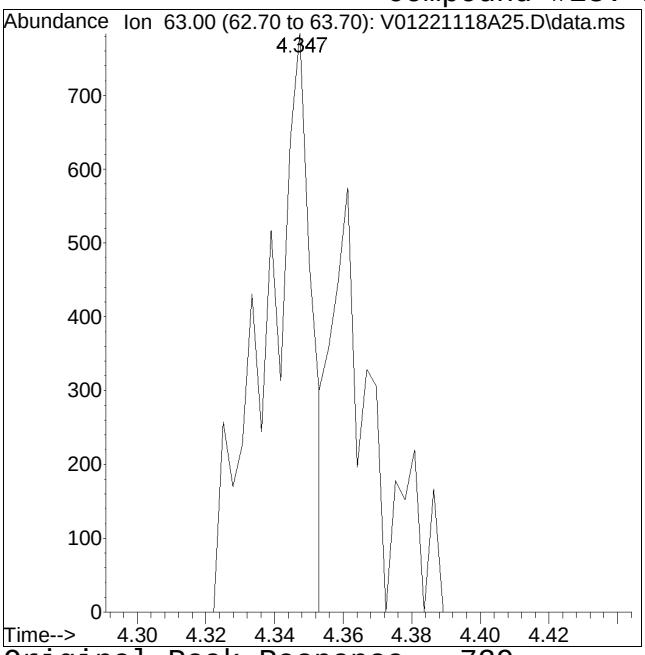
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

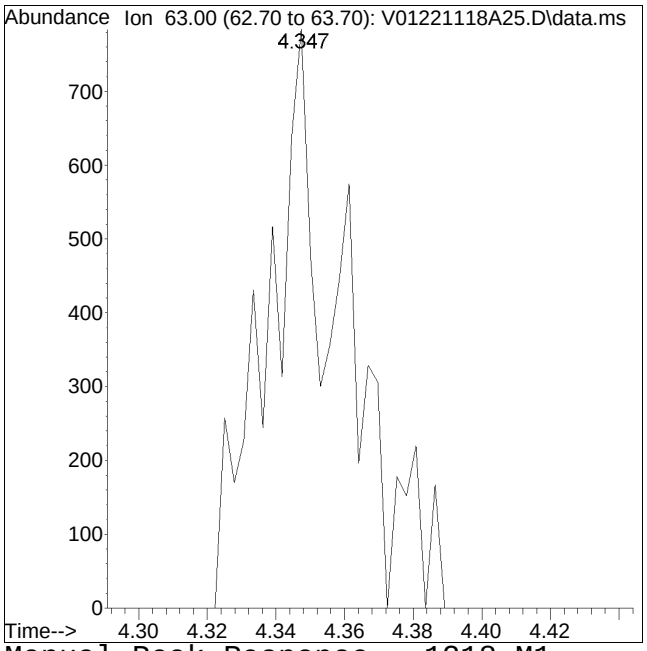
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221118A25.D
Date Inj'd : 11/18/2022 5:38 pm
Sample : L2263244-07,31,10,10,,A

Method : V101_220915A_8260.m
Operator : VOA101:LAC
Instrument : VOA 101
Quant Date : 11/19/2022 1:04 pm

Compound #23: 1,1-Dichloroethane



Original Peak Response = 729



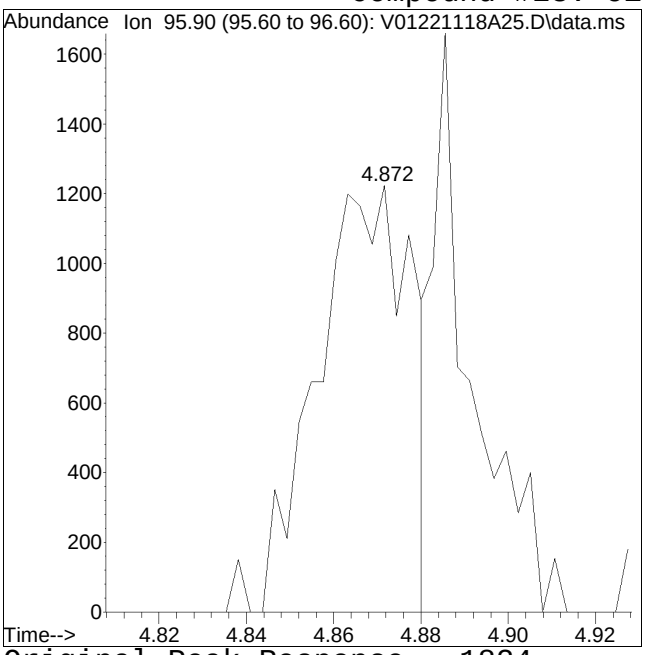
Manual Peak Response = 1218 M1

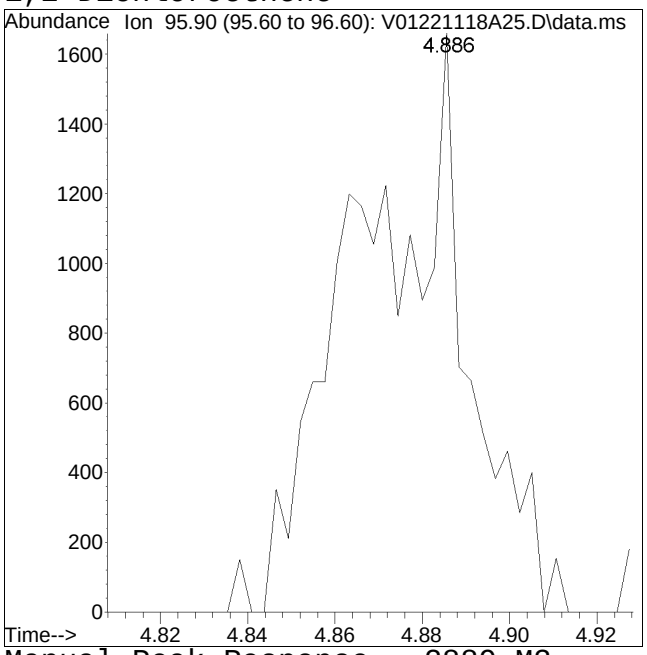
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A25.D Operator : VOA101:LAC
Date Inj'd : 11/18/2022 5:38 pm Instrument : VOA 101
Sample : L2263244-07,31,10,10,,A Quant Date : 11/19/2022 1:04 pm

Compound #28: cis-1,2-Dichloroethene





Original Peak Response = 1824 Manual Peak Response = 2889 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A26.D
Acq On : 18 Nov 2022 6:01 pm
Operator : VOA101:LAC
Sample : L2263244-08,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 19 13:13:53 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	477743	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery = 68.56%			
59) Chlorobenzene-d5	9.654	117	367500	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery = 66.26%			
79) 1,4-Dichlorobenzene-d4	12.331	152	194662	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery = 65.27%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.307	113	130755	10.156	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.56%			
43) 1,2-Dichloroethane-d4	5.831	65	162268	11.523	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.23%			
60) Toluene-d8	7.808	98	481037	10.256	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.56%			
83) 4-Bromofluorobenzene	11.132	95	181302	10.407	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.07%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.899	50	746	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.298	94	1713	0.230	ug/L	94
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	3.092	76	5665	0.226	ug/L	91
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.653	43	3084M1	1.196	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.784	43	74	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	4.877	96	71	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.136	83	163	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A26.D
Acq On : 18 Nov 2022 6:01 pm
Operator : VOA101:LAC
Sample : L2263244-08,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 19 13:13:53 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.443	43	26	N.D.		
41) Benzene	5.694	78	251	N.D.		
44) 1,2-Dichloroethane	5.901	62	291	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.246	95	94	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.861	92	89	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	9.325	43	88	N.D.		
73) Chlorobenzene	9.679	112	235	N.D.		
74) Ethylbenzene	9.715	91	37	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.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D. d		
101) 1,4-Dichlorobenzene	12.348	146	18270	0.812	ug/L #	90
104) 1,2-Dichlorobenzene	12.786	146	26	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

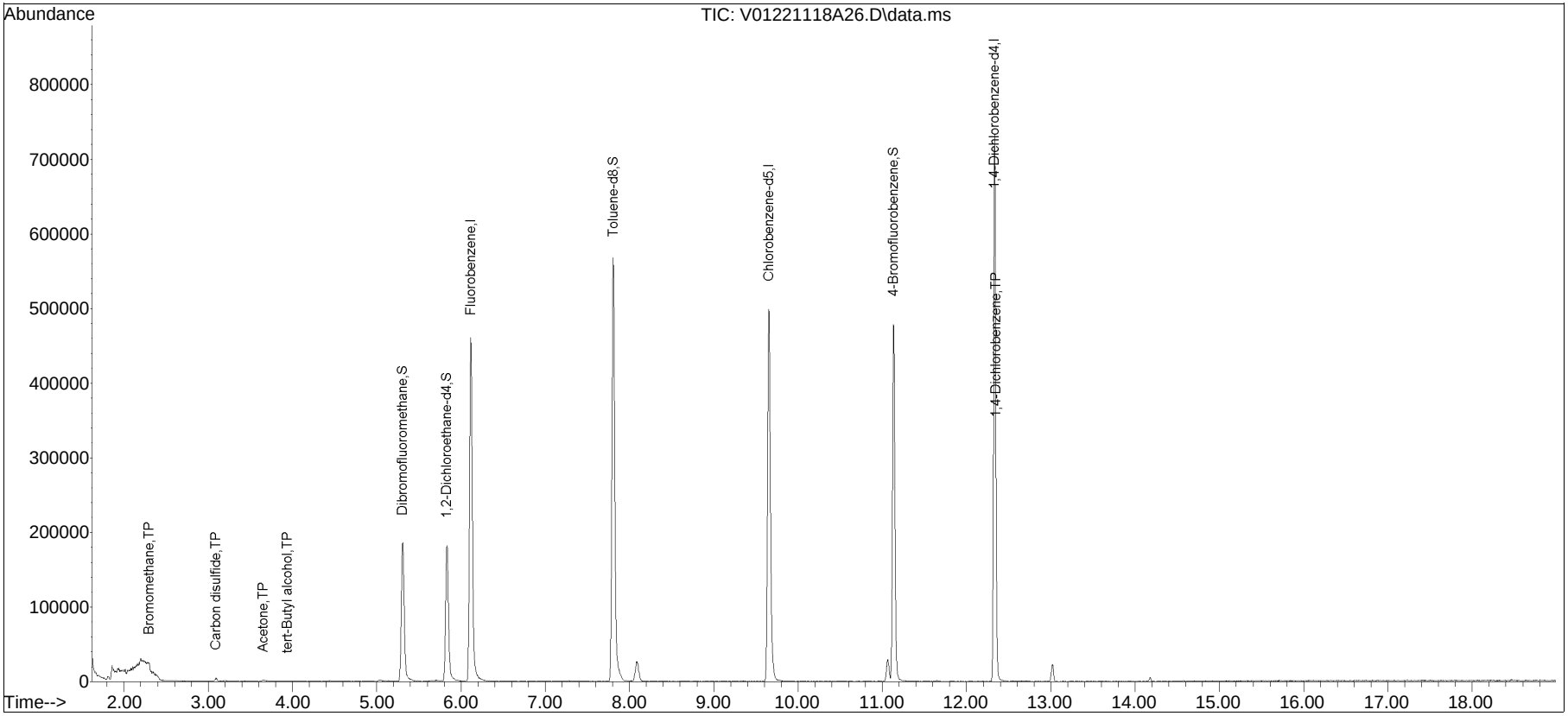
(#) = qualifier out of range (m) = manual integration (+) = signals summed

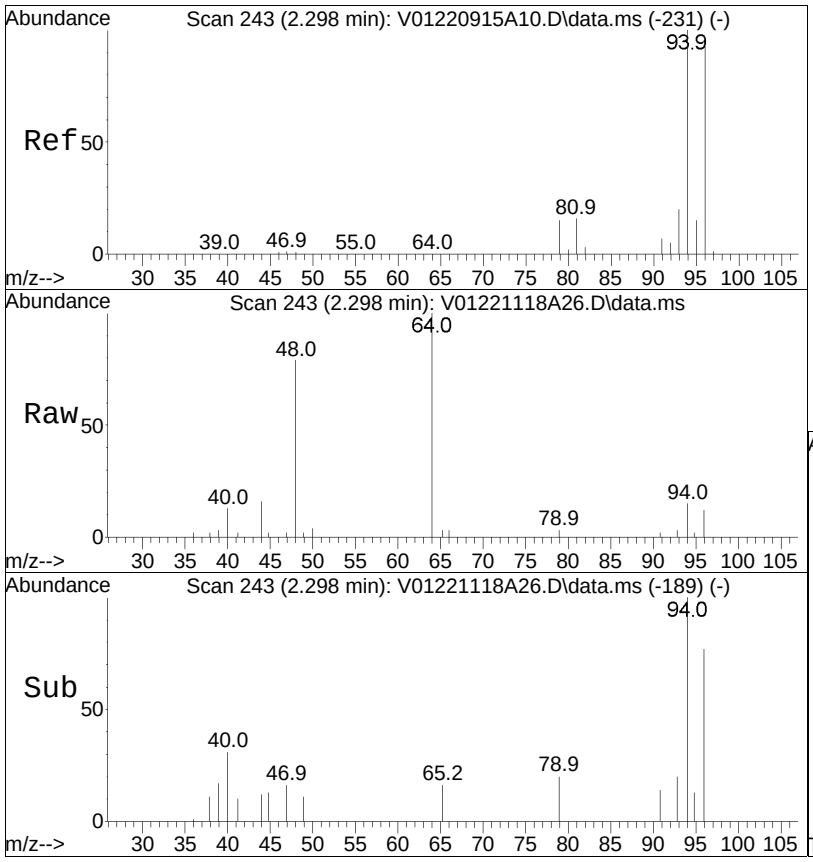
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A26.D
Acq On : 18 Nov 2022 6:01 pm
Operator : VOA101:LAC
Sample : L2263244-08,31,10,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 19 13:13:53 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

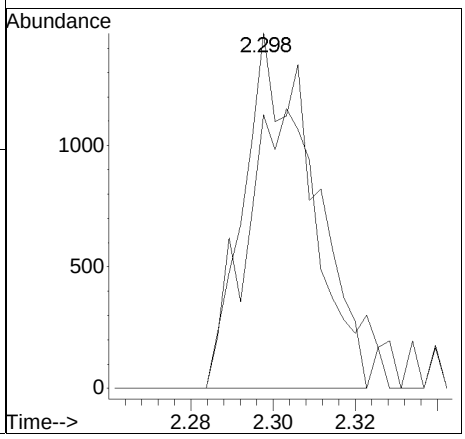


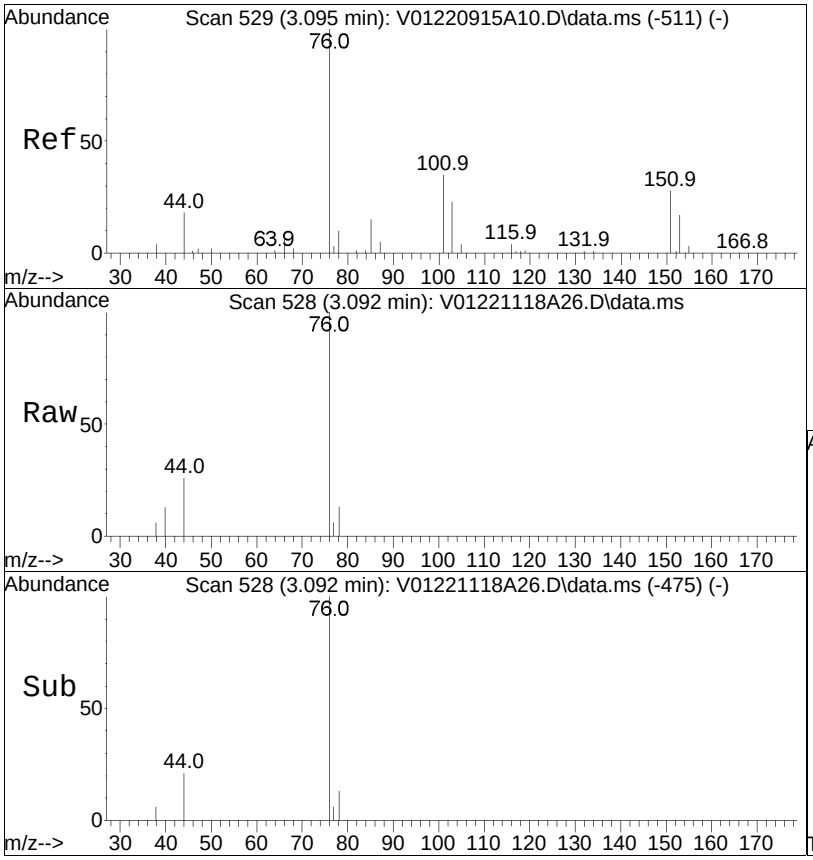


#5
Bromomethane
Concen: 0.23 ug/L
RT: 2.298 min Scan# 243
Delta R.T. -0.000 min
Lab File: V01221118A26.D
Acq: 18 Nov 2022 6:01 pm

Tgt Ion: 94 Resp: 1713

Ion	Ratio	Lower	Upper
94	100		
96	88.1	73.6	113.6

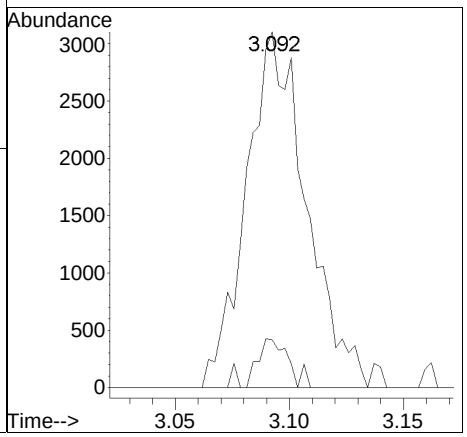


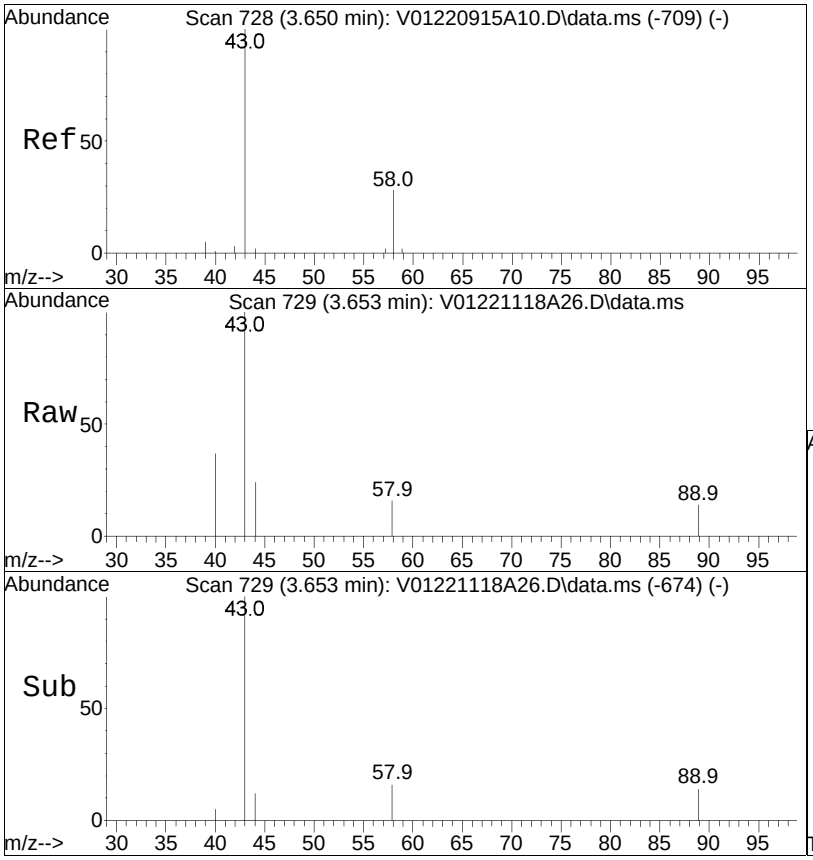


#11
Carbon disulfide
Concen: 0.23 ug/L
RT: 3.092 min Scan# 528
Delta R.T. -0.003 min
Lab File: V01221118A26.D
Acq: 18 Nov 2022 6:01 pm

Tgt Ion: 76 Resp: 5665

Ion	Ratio	Lower	Upper
76	100		
78	7.0	6.6	13.8

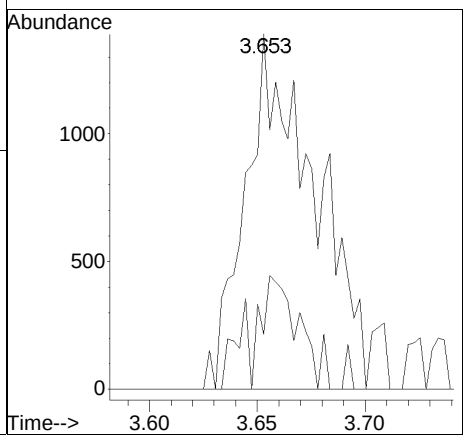


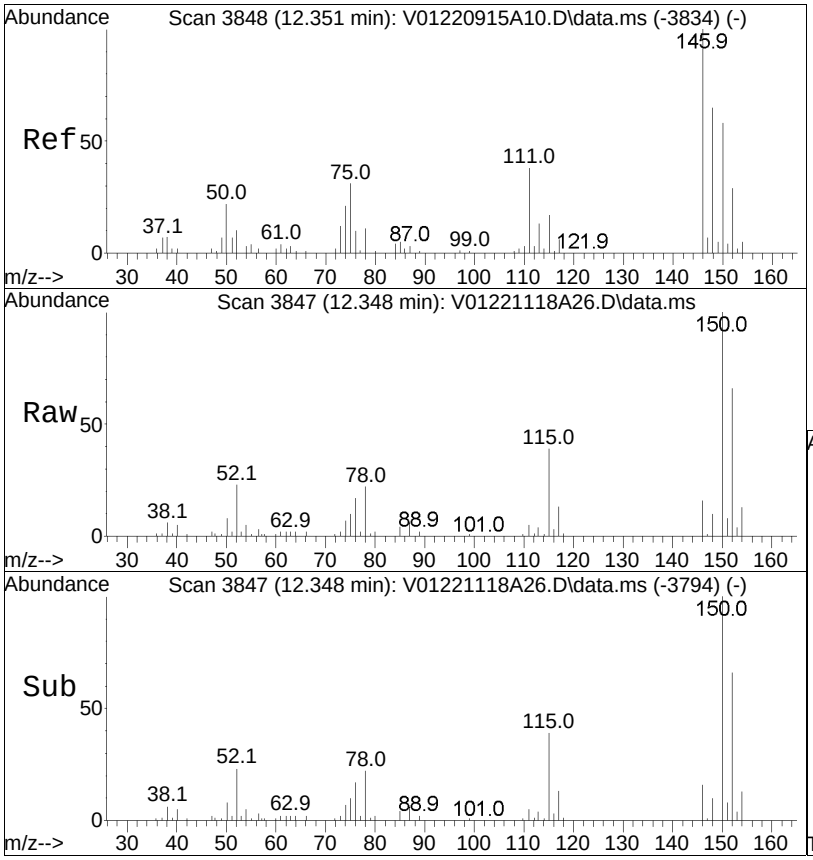


#17
Acetone
Concen: 1.20 ug/L M1
RT: 3.653 min Scan# 729
Delta R.T. 0.003 min
Lab File: V01221118A26.D
Acq: 18 Nov 2022 6:01 pm

Tgt Ion: 43 Resp: 3084

Ion	Ratio	Lower	Upper
43	100		
58	16.5	25.9	38.9#

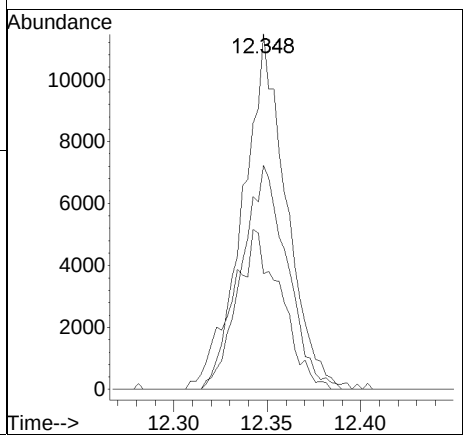




#101
1,4-Dichlorobenzene
Concen: 0.81 ug/L
RT: 12.348 min Scan# 3847
Delta R.T. -0.003 min
Lab File: V01221118A26.D
Acq: 18 Nov 2022 6:01 pm

Tgt Ion:146 Resp: 18270

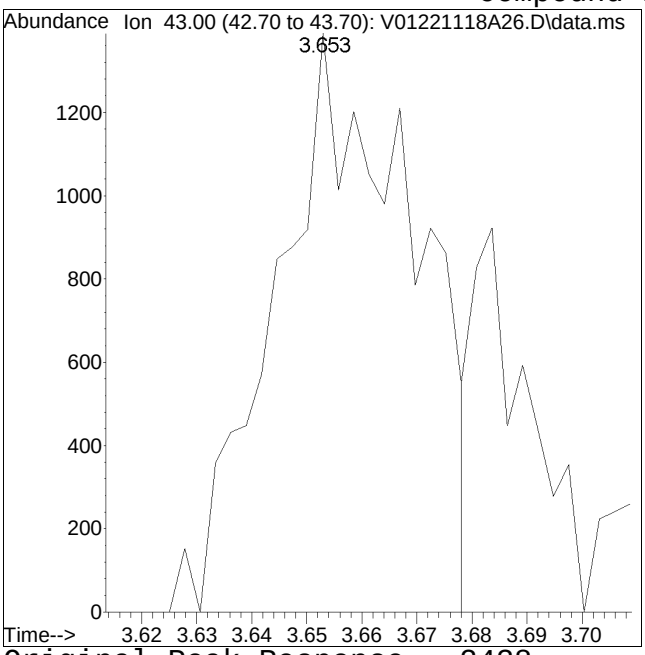
Ion	Ratio	Lower	Upper
146	100		
111	53.0	31.7	47.5#
148	66.8	51.5	77.3



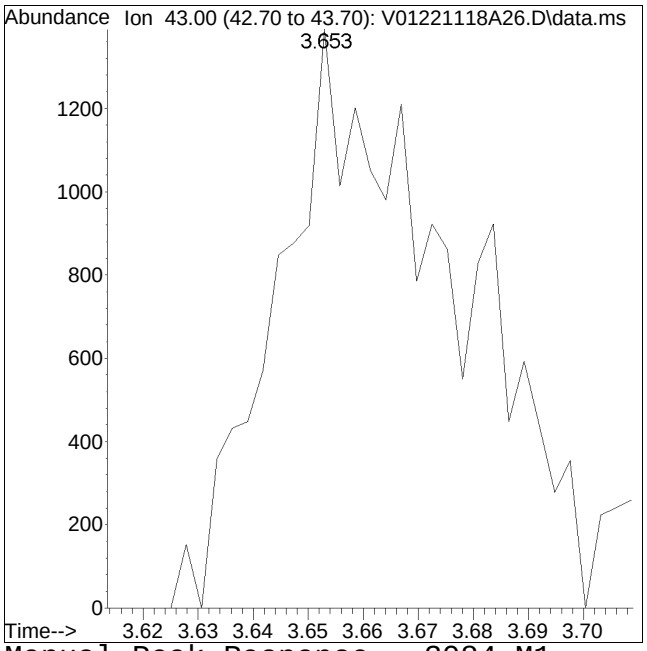
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A26.D Operator : VOA101:LAC
Date Inj'd : 11/18/2022 6:01 pm Instrument : VOA 101
Sample : L2263244-08,31,10,10,,A Quant Date : 11/19/2022 1:04 pm

Compound #17: Acetone



Original Peak Response = 2438



Manual Peak Response = 3084 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A27.D
Acq On : 18 Nov 2022 6:25 pm
Operator : VOA101:LAC
Sample : L2263244-09D,31,0.2,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 19 13:14:37 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	468654	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery = 67.26%			
59) Chlorobenzene-d5	9.654	117	351725	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery = 63.42%			
79) 1,4-Dichlorobenzene-d4	12.331	152	241922	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery = 81.12%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.312	113	125880	9.967	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.67%			
43) 1,2-Dichloroethane-d4	5.834	65	152771	11.059	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.59%			
60) Toluene-d8	7.811	98	462777	10.309	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.09%			
83) 4-Bromofluorobenzene	11.132	95	173615	8.019	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 80.19%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.899	50	675	N.D.		
4) Vinyl chloride	1.980	62	79350	6.401	ug/L	95
5) Bromomethane	2.301	94	935	0.128	ug/L	81
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	3.056	96	8259	0.846	ug/L	93
11) Carbon disulfide	3.093	76	3856	0.157	ug/L #	76
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.617	84	467	N.D.		
17) Acetone	3.659	43	1623M3	0.642	ug/L	
18) trans-1,2-Dichloroethene	3.765	96	4511M1	0.432	ug/L	
19) Methyl acetate	3.770	43	78	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	4.863	96	1195150	104.446	ug/L	95
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.072	56	1990M3	0.091	ug/L	
32) Chloroform	5.137	83	171	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A27.D
Acq On : 18 Nov 2022 6:25 pm
Operator : VOA101:LAC
Sample : L2263244-09D,31,0.2,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 19 13:14:37 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.315	43	40		N.D.	
41) Benzene	5.708	78	2890		N.D.	
44) 1,2-Dichloroethane	5.904	62	54		N.D.	
47) Methyl cyclohexane	6.283	83	434		N.D.	
48) Trichloroethene	6.297	95	438		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.847	92	69		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	9.713	91	313		N.D.	
76) p/m Xylene	9.936	106	30		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.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.331	146	332		N.D.	
101) 1,4-Dichlorobenzene	12.354	146	239		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.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

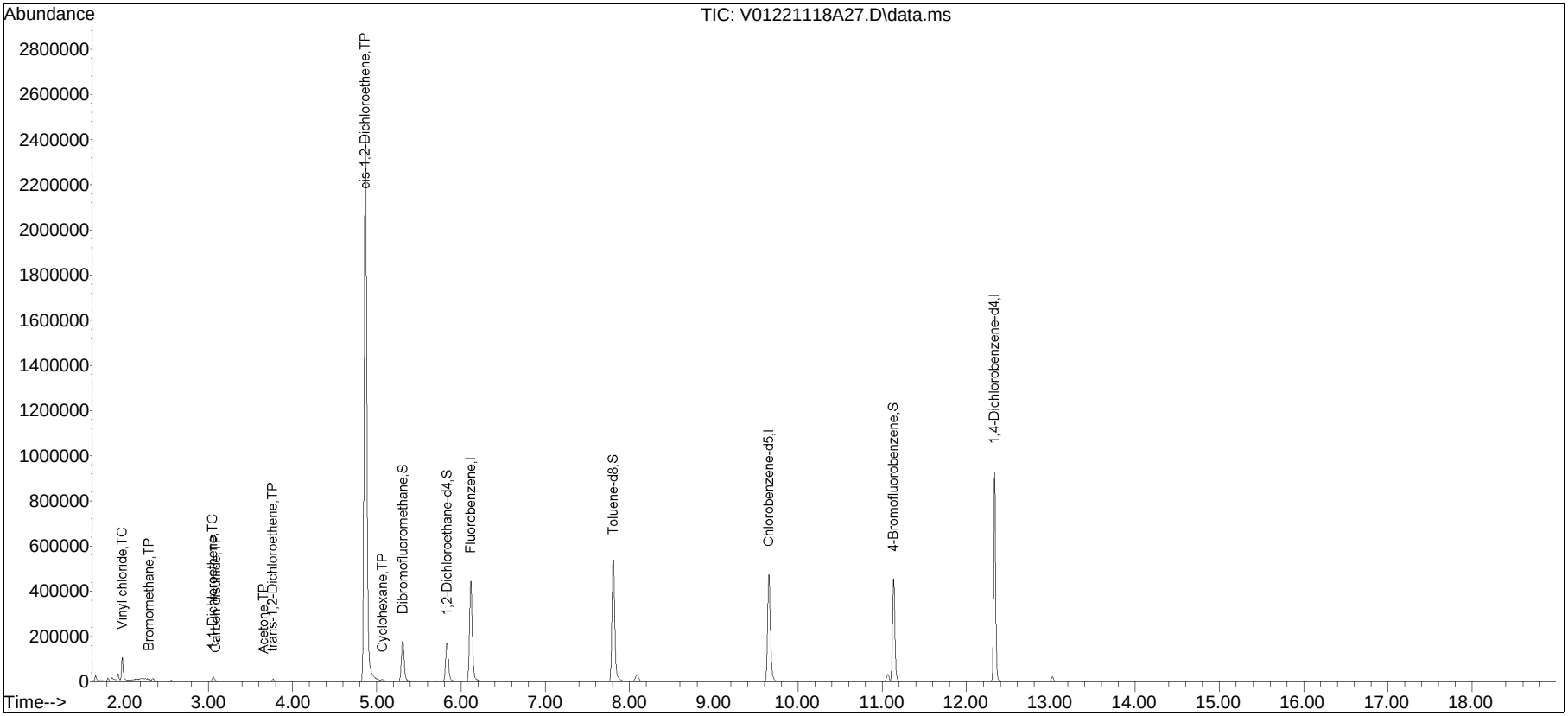
(#) = qualifier out of range (m) = manual integration (+) = signals summed

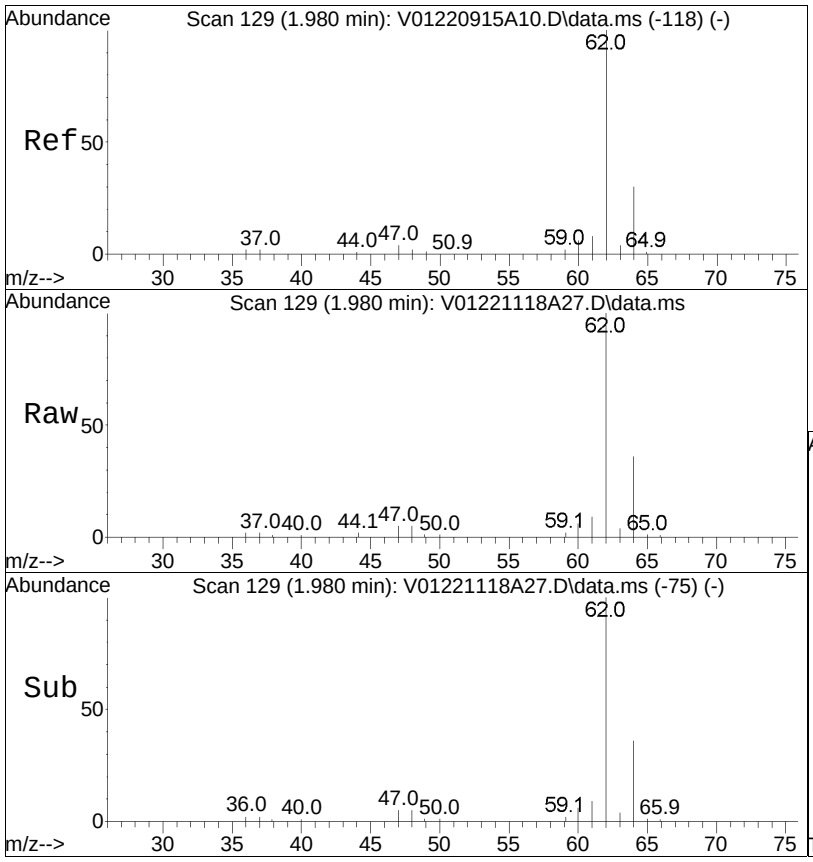
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A27.D
Acq On : 18 Nov 2022 6:25 pm
Operator : VOA101:LAC
Sample : L2263244-09D,31,0.2,10,,A
Misc : WG1714394,ICAL19339
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 19 13:14:37 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

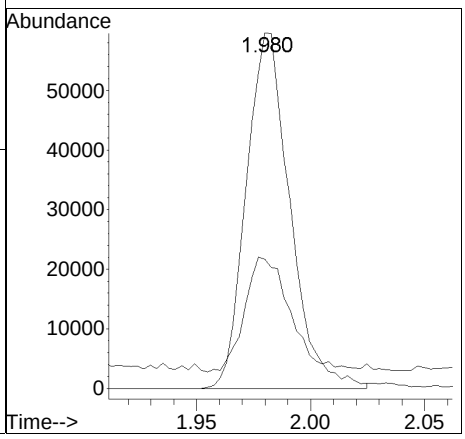


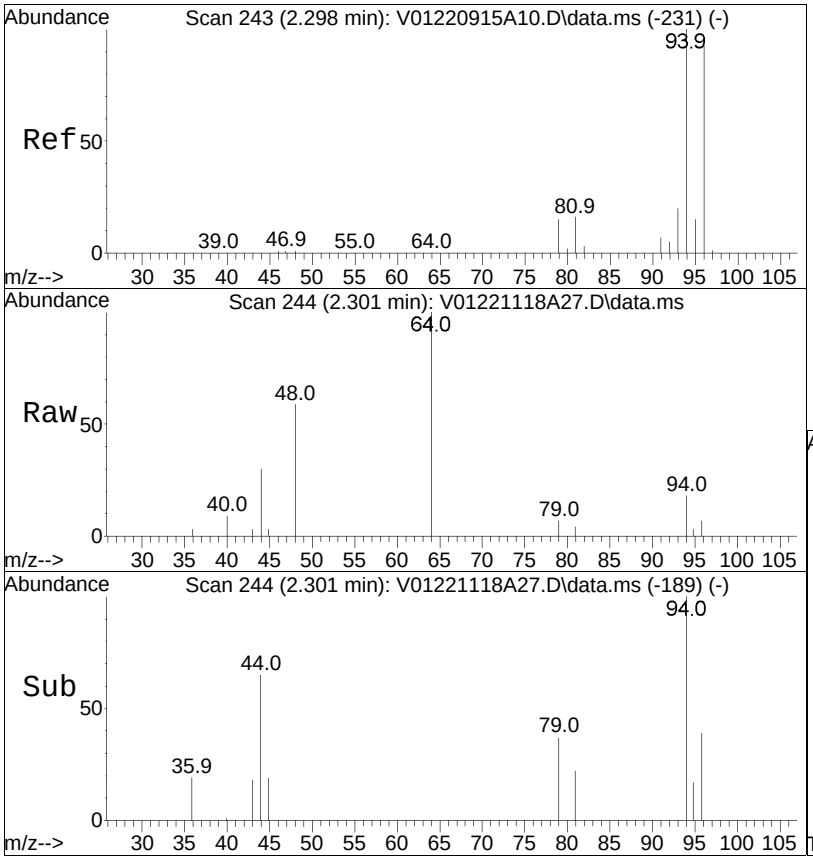


#4
Vinyl chloride
Concen: 6.40 ug/L
RT: 1.980 min Scan# 129
Delta R.T. -0.000 min
Lab File: V01221118A27.D
Acq: 18 Nov 2022 6:25 pm

Tgt Ion: 62 Resp: 79350

Ion	Ratio	Lower	Upper
62	100		
64	33.8	10.8	50.8

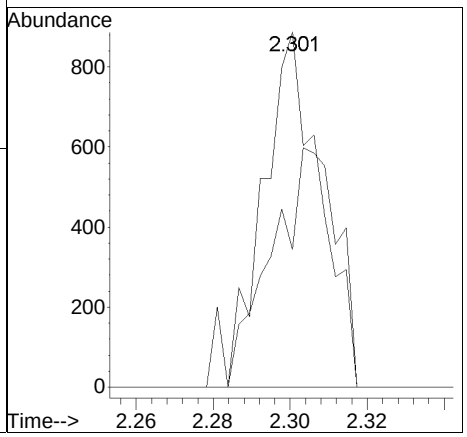


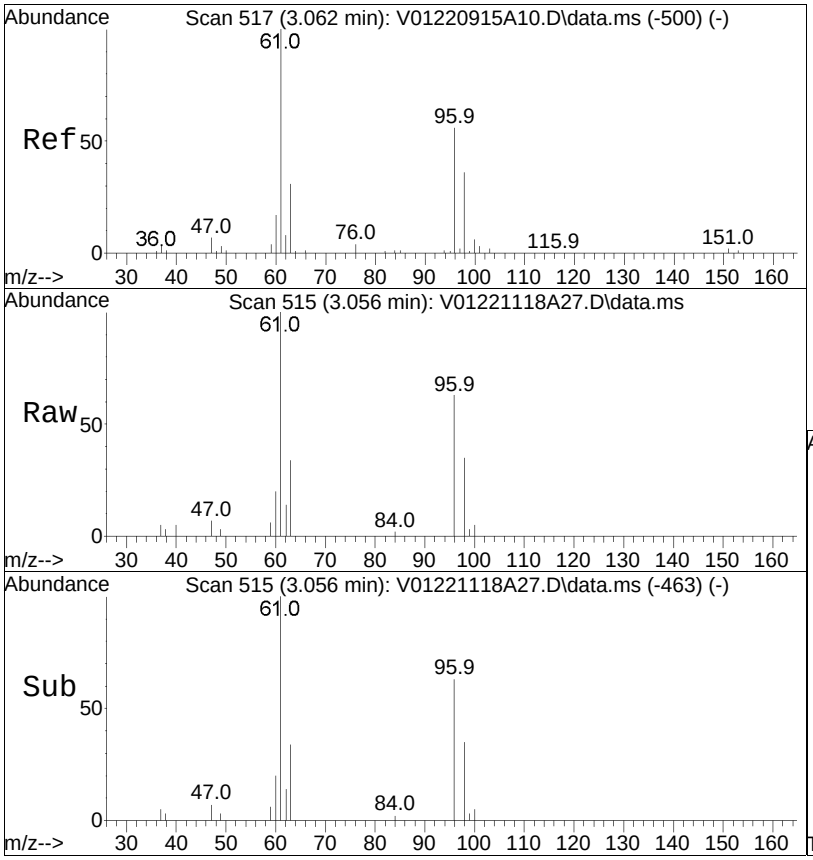


#5
Bromomethane
Concen: 0.13 ug/L
RT: 2.301 min Scan# 244
Delta R.T. 0.003 min
Lab File: V01221118A27.D
Acq: 18 Nov 2022 6:25 pm

Tgt Ion: 94 Resp: 935

Ion	Ratio	Lower	Upper
94	100		
96	75.6	73.6	113.6

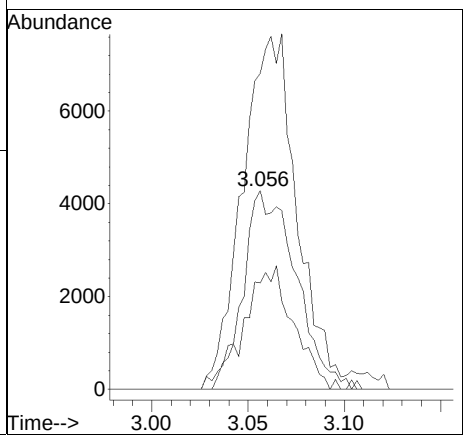


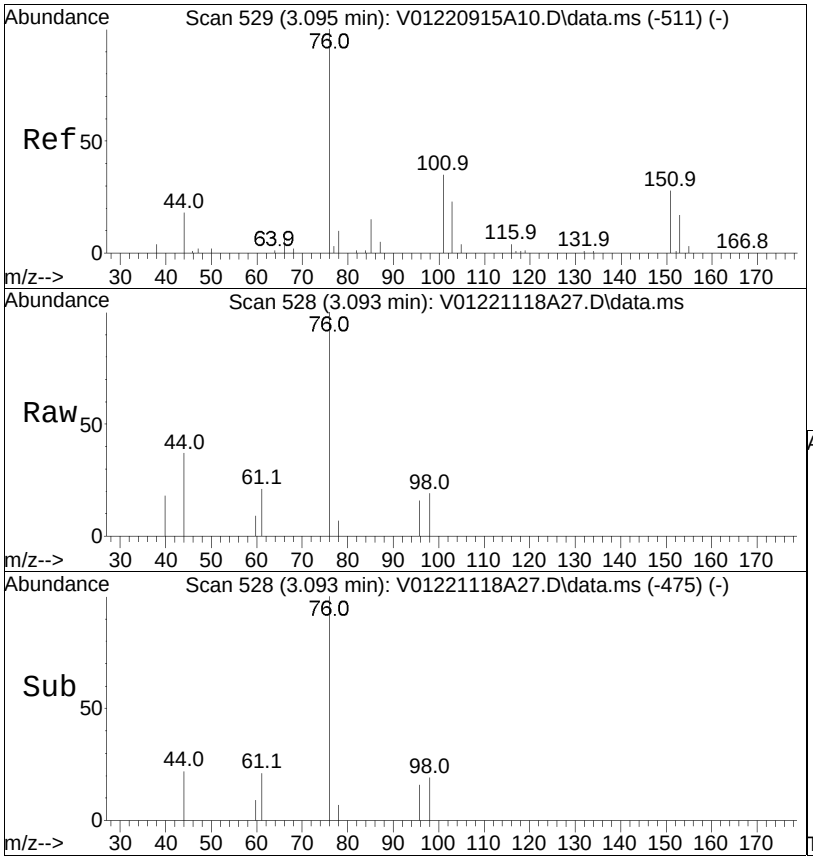


#10
1,1-Dichloroethene
Concen: 0.85 ug/L
RT: 3.056 min Scan# 515
Delta R.T. -0.006 min
Lab File: V01221118A27.D
Acq: 18 Nov 2022 6:25 pm

Tgt Ion: 96 Resp: 8259

Ion	Ratio	Lower	Upper
96	100		
61	181.8	136.8	205.2
63	56.4	43.6	65.4

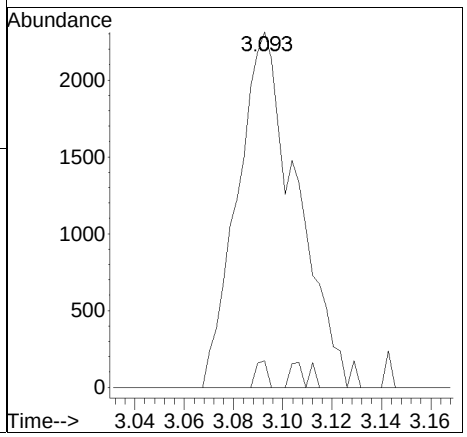


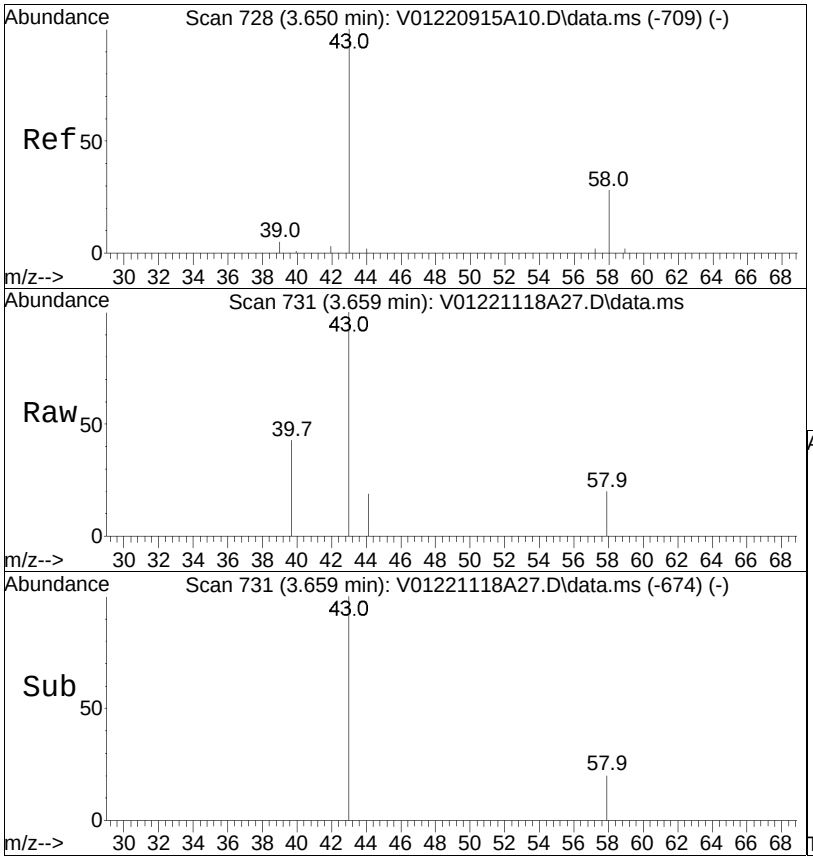


#11
Carbon disulfide
Concen: 0.16 ug/L
RT: 3.093 min Scan# 528
Delta R.T. -0.002 min
Lab File: V01221118A27.D
Acq: 18 Nov 2022 6:25 pm

Tgt Ion: 76 Resp: 3856

Ion	Ratio	Lower	Upper
76	100		
78	1.4	6.6	13.8#

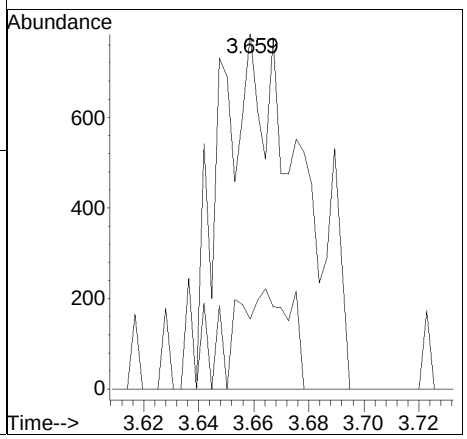


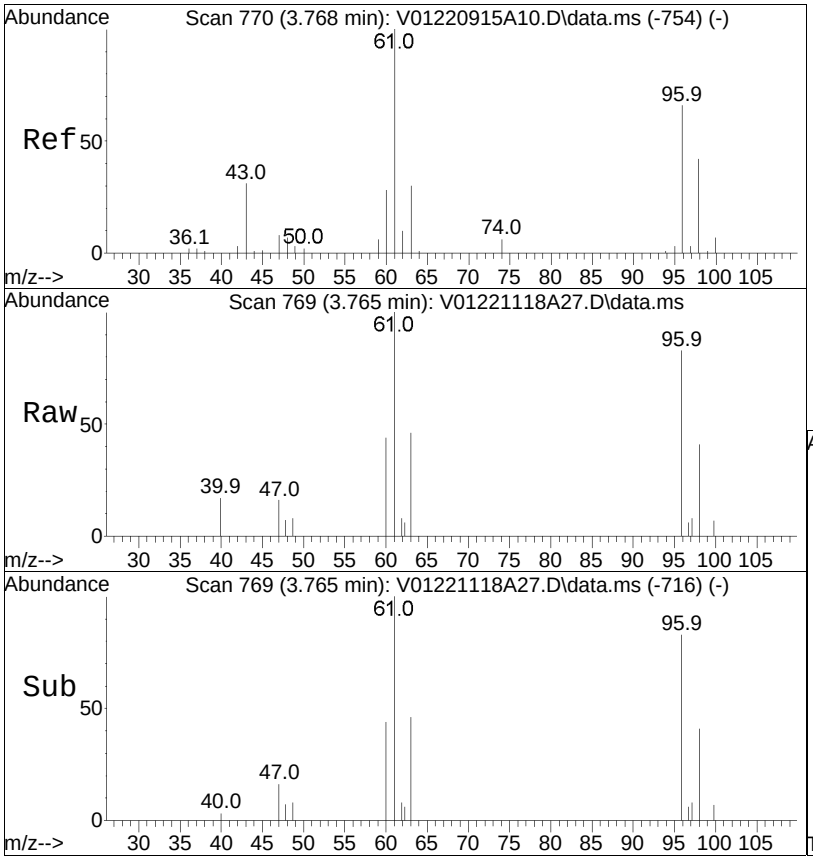


#17
Acetone
Concen: 0.64 ug/L M3
RT: 3.659 min Scan# 731
Delta R.T. 0.009 min
Lab File: V01221118A27.D
Acq: 18 Nov 2022 6:25 pm

Tgt Ion: 43 Resp: 1623

Ion	Ratio	Lower	Upper
43	100		
58	2.0	25.9	38.9#

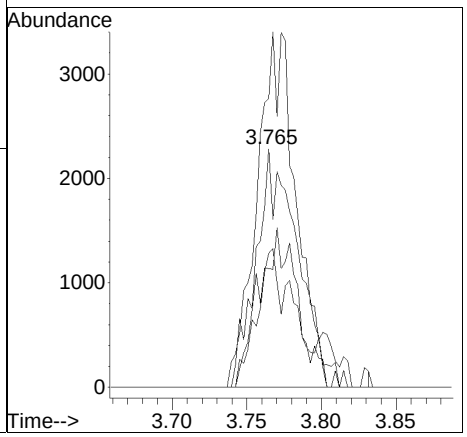


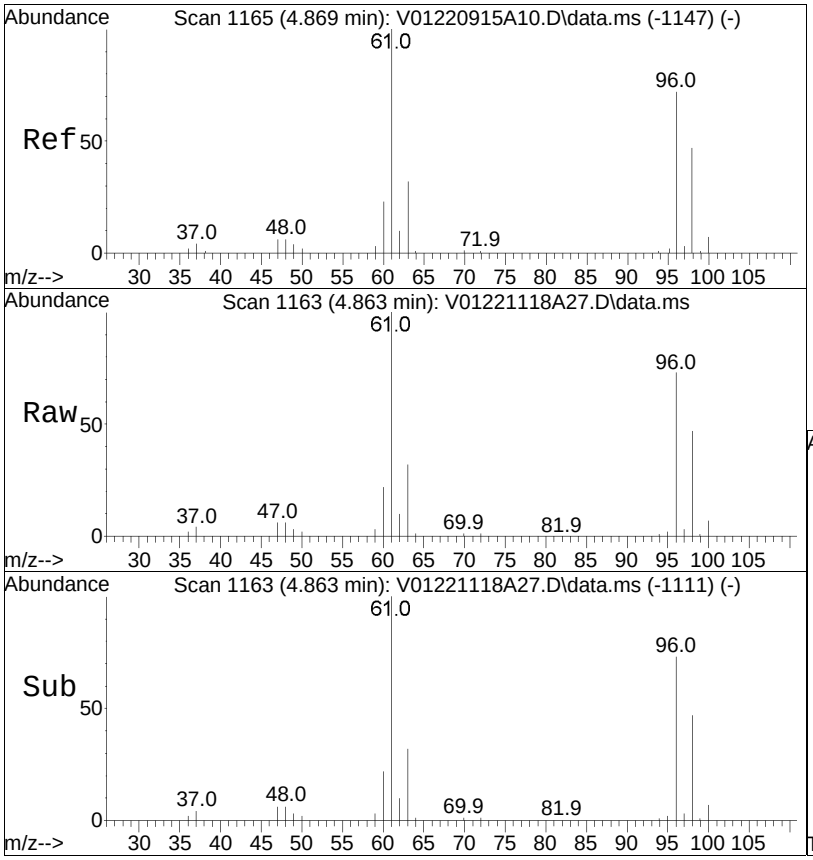


#18
trans-1,2-Dichloroethene
Concen: 0.43 ug/L M1
RT: 3.765 min Scan# 769
Delta R.T. -0.003 min
Lab File: V01221118A27.D
Acq: 18 Nov 2022 6:25 pm

Tgt Ion: 96 Resp: 4511

Ion	Ratio	Lower	Upper
96	100		
61	73.4	95.3	197.9#
98	57.3	41.0	85.2
63	30.7	30.2	62.6

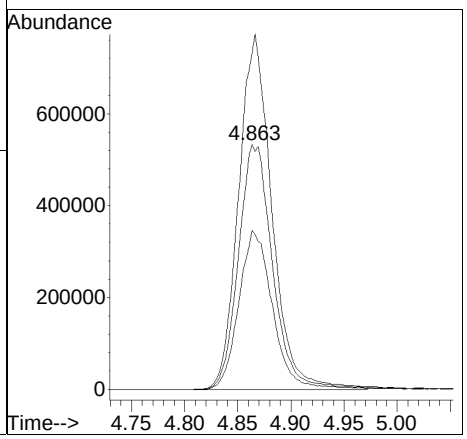


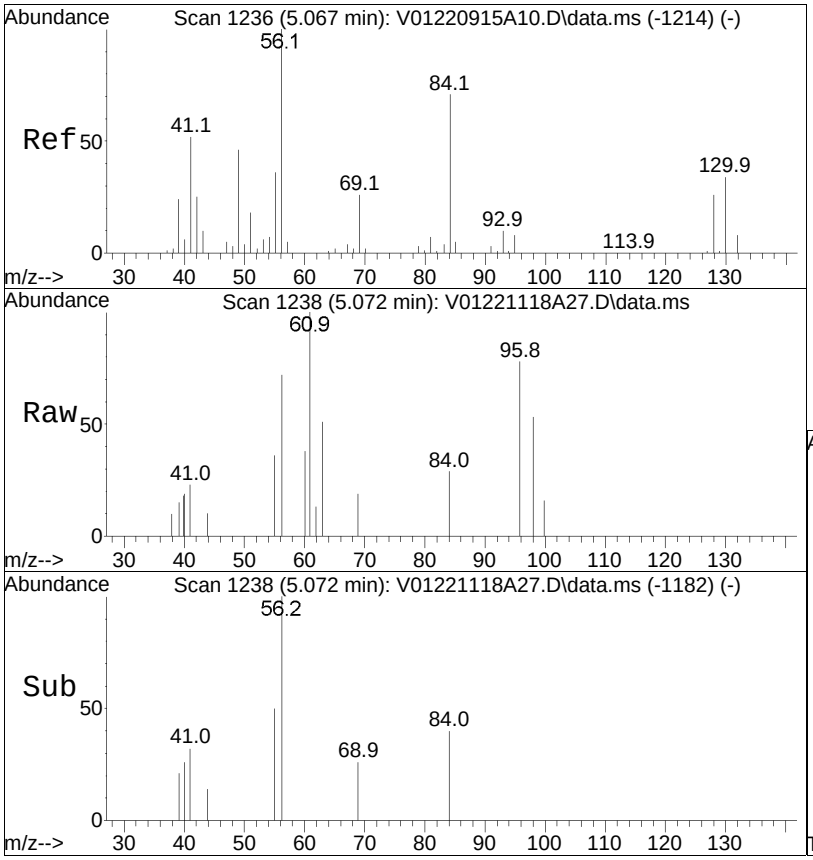


#28
cis-1,2-Dichloroethene
Concen: 104.45 ug/L
RT: 4.863 min Scan# 1163
Delta R.T. -0.006 min
Lab File: V01221118A27.D
Acq: 18 Nov 2022 6:25 pm

Tgt Ion: 96 Resp: 1195150

Ion	Ratio	Lower	Upper
96	100		
61	141.4	105.8	158.6
98	64.3	51.1	76.7

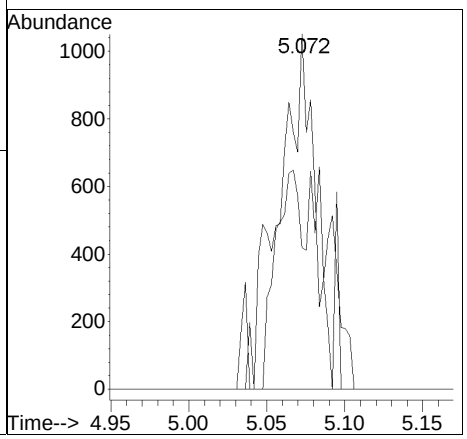




#31
Cyclohexane
Concen: 0.09 ug/L M3
RT: 5.072 min Scan# 1238
Delta R.T. 0.005 min
Lab File: V01221118A27.D
Acq: 18 Nov 2022 6:25 pm

Tgt Ion: 56 Resp: 1990

Ion	Ratio	Lower	Upper
56	100		
84	40.0	53.6	111.4#

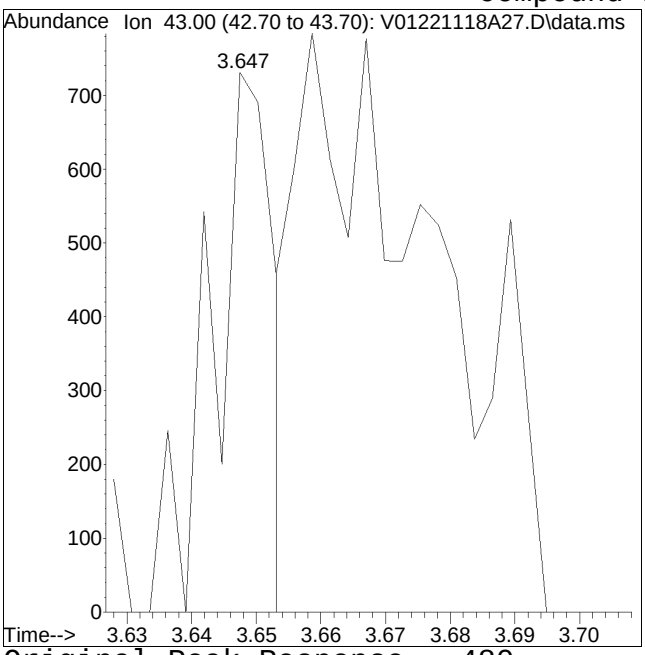


Manual Integration Report

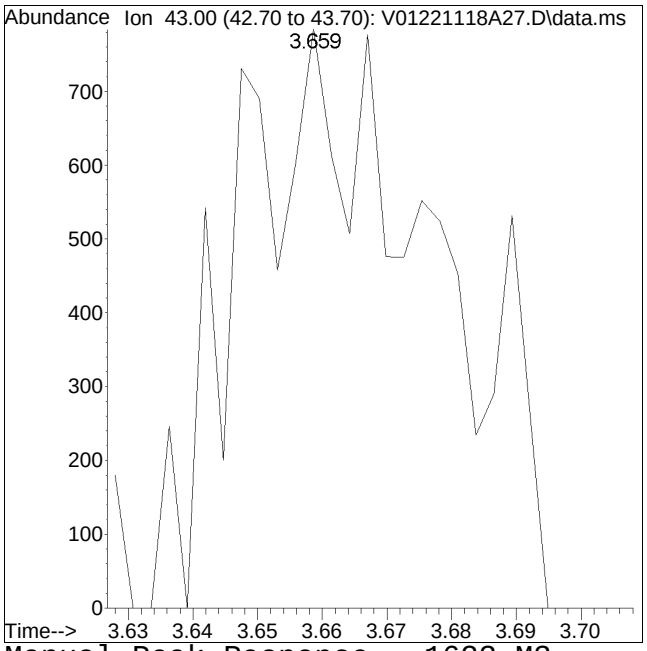
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221118A27.D
Date Inj'd : 11/18/2022 6:25 pm
Sample : L2263244-09D,31,0.2,10,,A

Method : V101_220915A_8260.m
Operator : VOA101:LAC
Instrument : VOA 101
Quant Date : 11/19/2022 1:04 pm

Compound #17: Acetone



Original Peak Response = 480



Manual Peak Response = 1623 M3

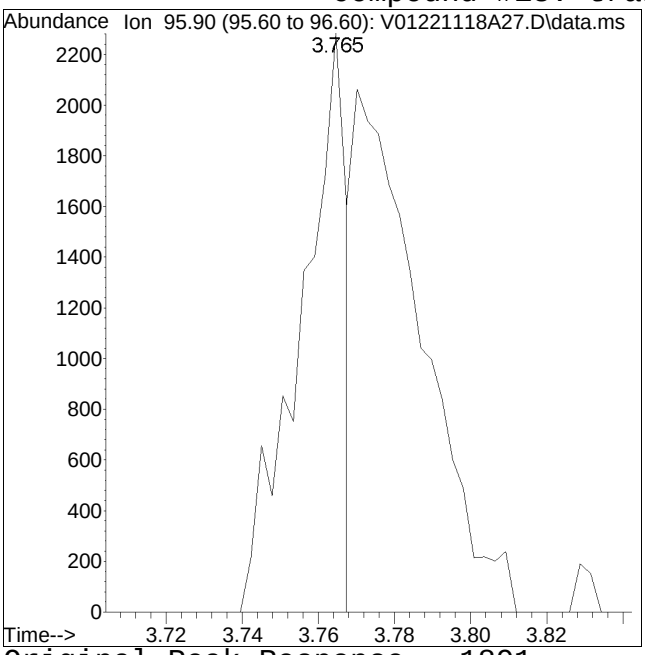
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

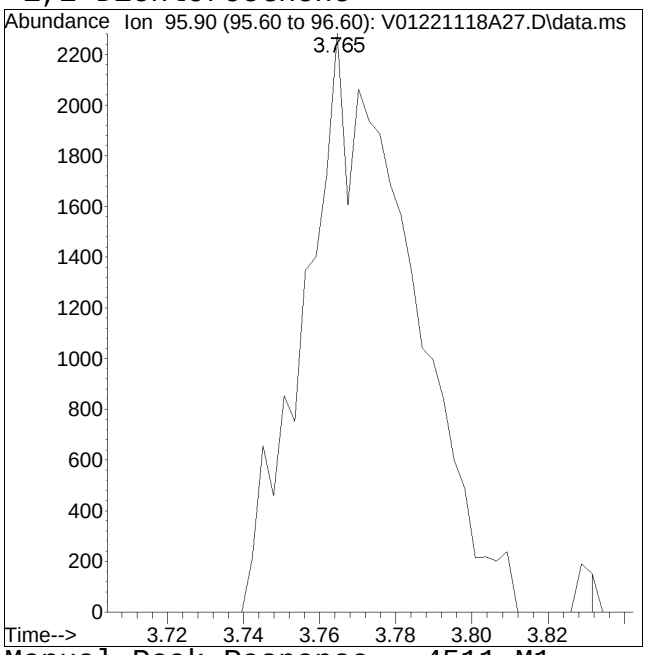
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221118A27.D
Date Inj'd : 11/18/2022 6:25 pm
Sample : L2263244-09D,31,0.2,10,,A

Method : V101_220915A_8260.m
Operator : VOA101:LAC
Instrument : VOA 101
Quant Date : 11/19/2022 1:04 pm

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 1891



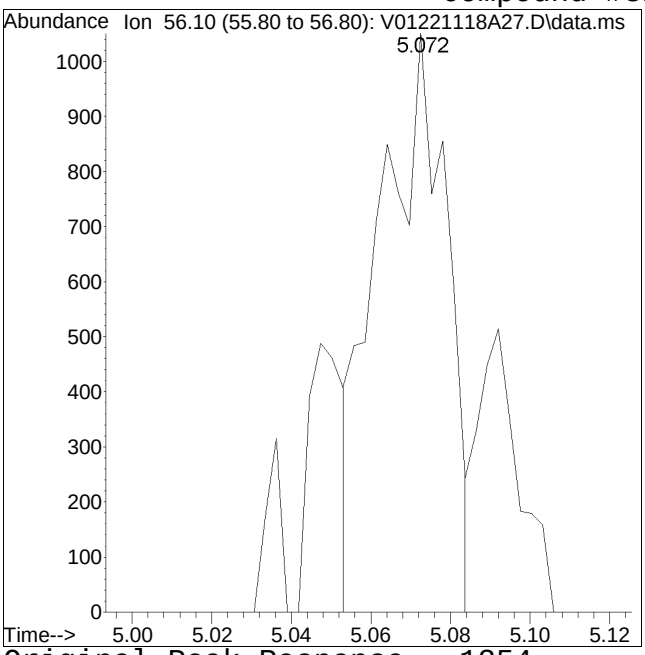
Manual Peak Response = 4511 M1

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

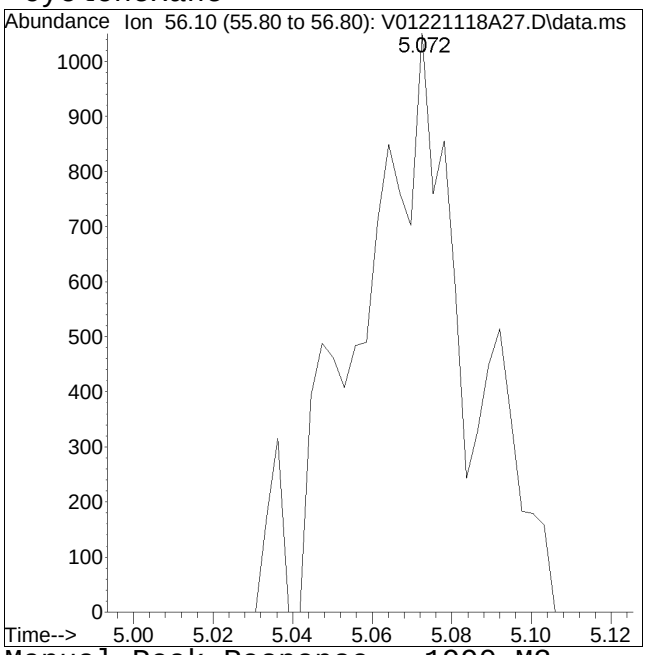
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A27.D Operator : VOA101:LAC
Date Inj'd : 11/18/2022 6:25 pm Instrument : VOA 101
Sample : L2263244-09D,31,0.2,10,,A Quant Date : 11/19/2022 1:04 pm

Compound #31: Cyclohexane



Original Peak Response = 1254



Manual Peak Response = 1990 M3

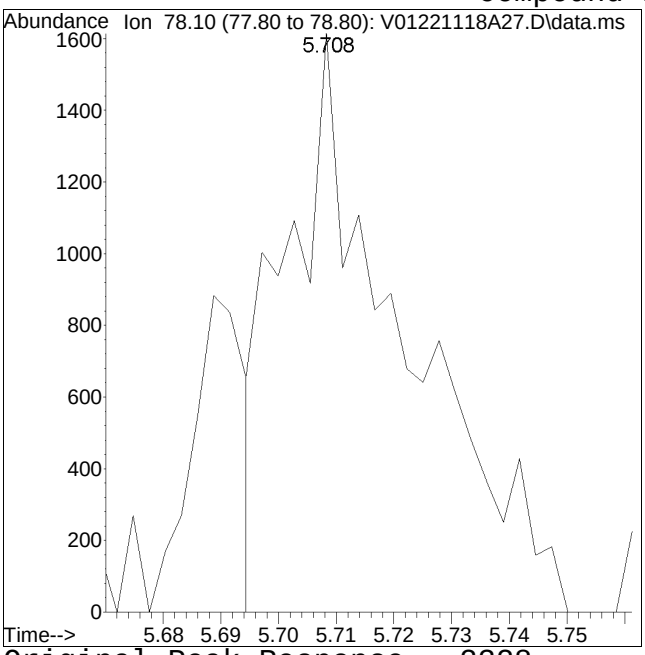
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

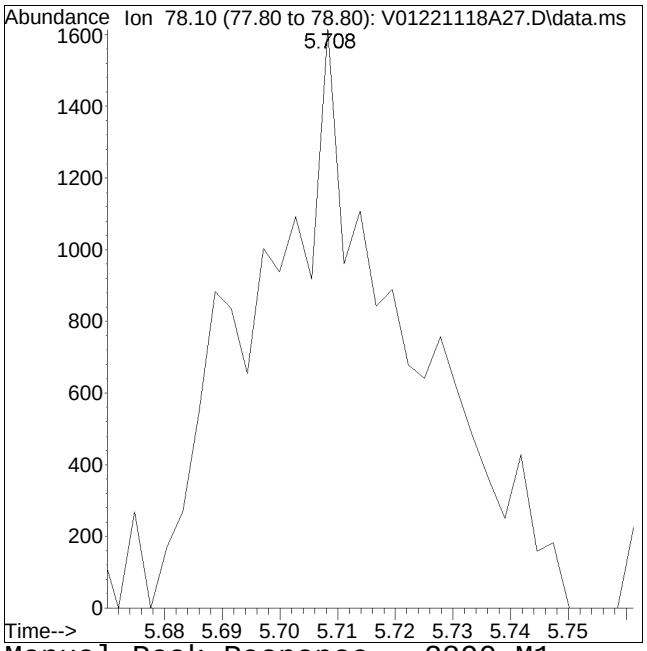
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221118A27.D
Date Inj'd : 11/18/2022 6:25 pm
Sample : L2263244-09D,31,0.2,10,,A

Method : V101_220915A_8260.m
Operator : VOA101:LAC
Instrument : VOA 101
Quant Date : 11/19/2022 1:04 pm

Compound #41: Benzene



Original Peak Response = 2328



Manual Peak Response = 2890 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N11.d
Acq On : 19 Nov 2022 10:23 pm
Operator : VOA108:PID
Sample : L2263244-22,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 21 11:53:15 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	176449	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 88.96%		
59) Chlorobenzene-d5	8.572	117	140098	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 89.04%		
79) 1,4-Dichlorobenzene-d4	10.051	152	72258	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 82.31%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.656	113	55479	10.714 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.14%		
43) 1,2-Dichloroethane-d4	5.279	65	59130	10.855 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.55%		
60) Toluene-d8	7.303	98	170583	10.071 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.71%		
83) 4-Bromofluorobenzene	9.385	95	52438	9.562 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.62%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d
3) Chloromethane	1.143	50	127	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.415	94	61	N.D.	
6) Chloroethane	0.000		0	N.D.	d
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.887	96	103	N.D.	
11) Carbon disulfide	1.976	76	386	N.D.	
12) Freon-113	2.050	101	48	N.D.	
15) Methylene chloride	2.469	84	48	N.D.	
17) Acetone	2.527	43	1572M1	1.282 ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	2.679	43	80	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.	
30) Bromochloromethane	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.	

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N11.d
Acq On : 19 Nov 2022 10:23 pm
Operator : VOA108:PID
Sample : L2263244-22,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 21 11:53:15 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.776	43	50		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	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.356	92	52		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	8.572	43	177		N.D.	
73) Chlorobenzene	8.583	112	61		N.D.	
74) Ethylbenzene	8.729	91	283		N.D.	
76) p/m Xylene	8.729	106	90		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	9.385	105	219		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	10.003	146	69		N.D.	
101) 1,4-Dichlorobenzene	10.056	146	80		N.D.	
104) 1,2-Dichlorobenzene	10.297	146	58		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

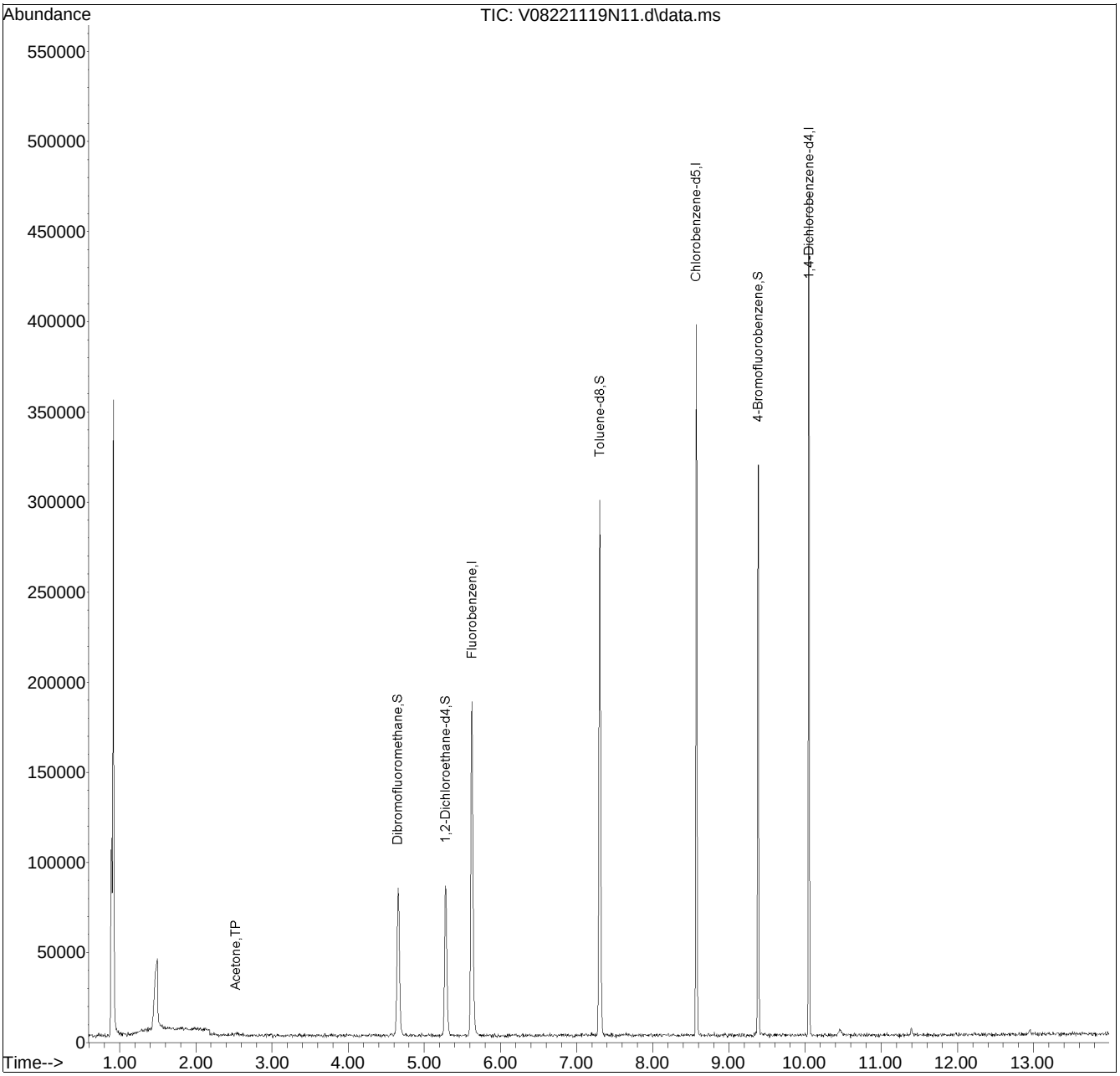
(#) = qualifier out of range (m) = manual integration (+) = signals summed

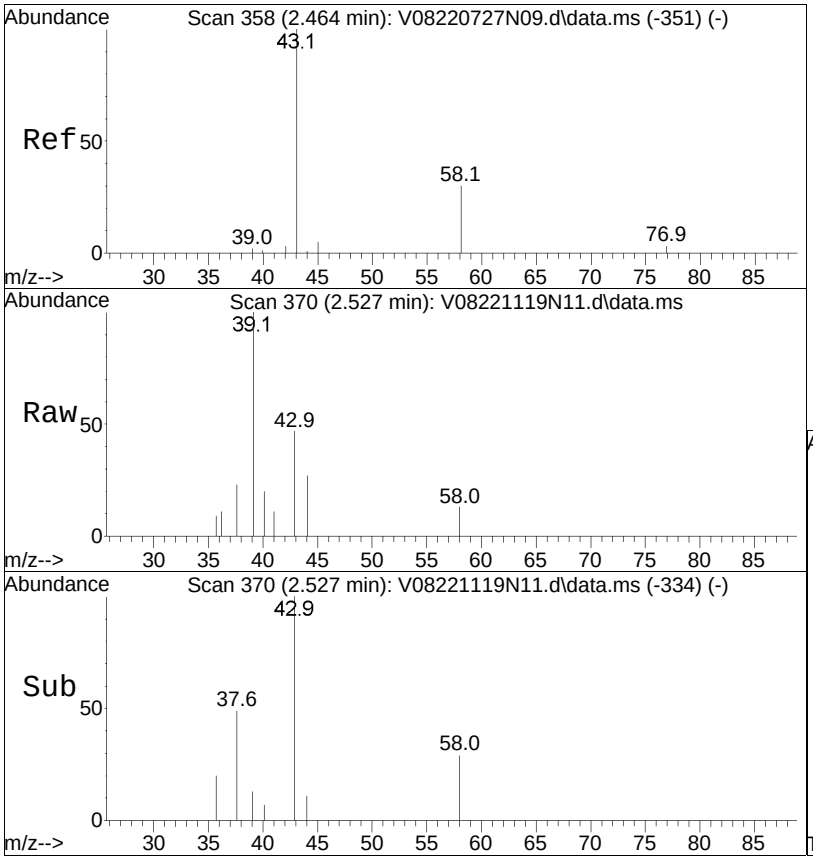
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N11.d
Acq On : 19 Nov 2022 10:23 pm
Operator : VOA108:PID
Sample : L2263244-22,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 21 11:53:15 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

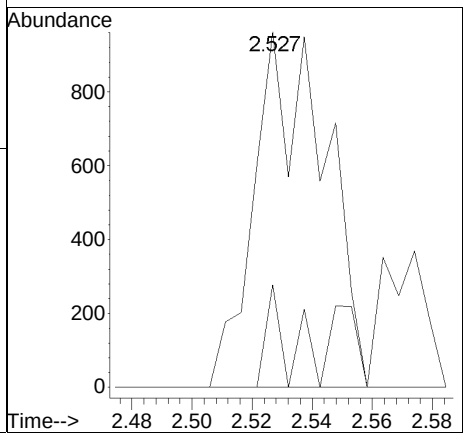




#17
Acetone
Concen: 1.28 ug/L M1
RT: 2.527 min Scan# 370
Delta R.T. -0.010 min
Lab File: V08221119N11.d
Acq: 19 Nov 2022 10:23 pm

Tgt Ion: 43 Resp: 1572

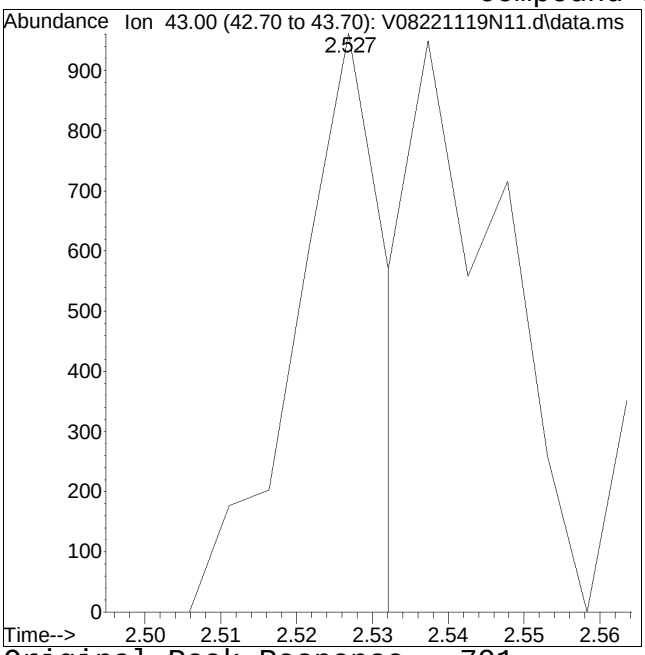
Ion	Ratio	Lower	Upper
43	100		
58	5.5	24.2	36.4#



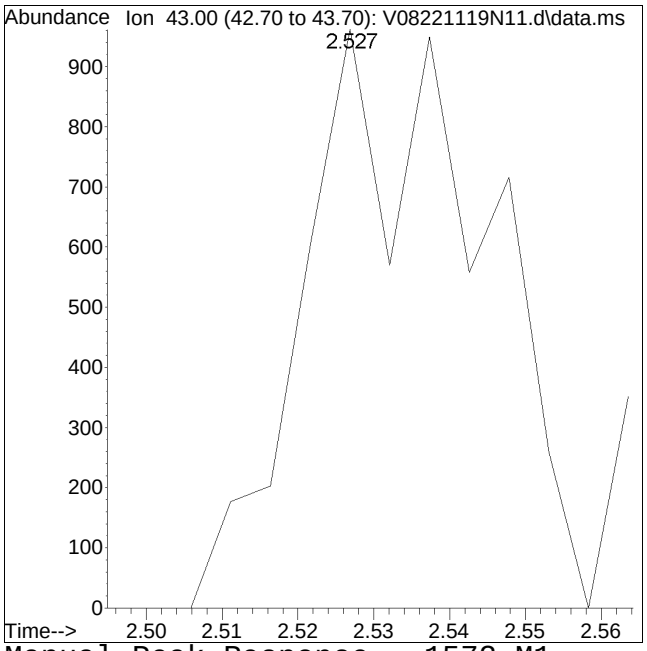
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221119N11.d Operator : VOA108:PID
Date Inj'd : 11/19/2022 10:23 pm Instrument : VOA 108
Sample : L2263244-22,31,10,10,,A Quant Date : 11/21/2022 11:05 am

Compound #17: Acetone



Original Peak Response = 791



Manual Peak Response = 1572 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N12.d
Acq On : 19 Nov 2022 10:43 pm
Operator : VOA108:PID
Sample : L2263244-12,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 12:01:18 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	173848	10.000	ug/L	0.00
Standard Area 1 = 198344			Recovery = 87.65%			
59) Chlorobenzene-d5	8.572	117	136339	10.000	ug/L	0.00
Standard Area 1 = 157340			Recovery = 86.65%			
79) 1,4-Dichlorobenzene-d4	10.051	152	65485	10.000	ug/L	0.00
Standard Area 1 = 87789			Recovery = 74.59%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.656	113	53837	10.552	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.52%			
43) 1,2-Dichloroethane-d4	5.279	65	58680	10.934	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.34%			
60) Toluene-d8	7.303	98	163308	9.907	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.07%			
83) 4-Bromofluorobenzene	9.385	95	52055	10.474	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	1.269	62	57	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.008	96	78	N.D.		
11) Carbon disulfide	1.976	76	2033	0.226	ug/L #	84
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	2.532	43	3154	2.610	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.		
28) cis-1,2-Dichloroethene	3.995	96	49	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.420	83	111	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N12.d
Acq On : 19 Nov 2022 10:43 pm
Operator : VOA108:PID
Sample : L2263244-12,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 12:01:18 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	0.000		0	N.D.		
44) 1,2-Dichloroethane	5.353	62	49	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.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.366	92	149	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.	d	
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.572	91	283	N.D.		
76) p/m Xylene	8.724	106	107	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	9.044	104	72	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.212	105	114	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	10.003	146	89	N.D.		
101) 1,4-Dichlorobenzene	10.056	146	74	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	11.125	180	101	N.D.		
111) 1,2,3-Trichlorobenzene	11.414	180	54	N.D.		

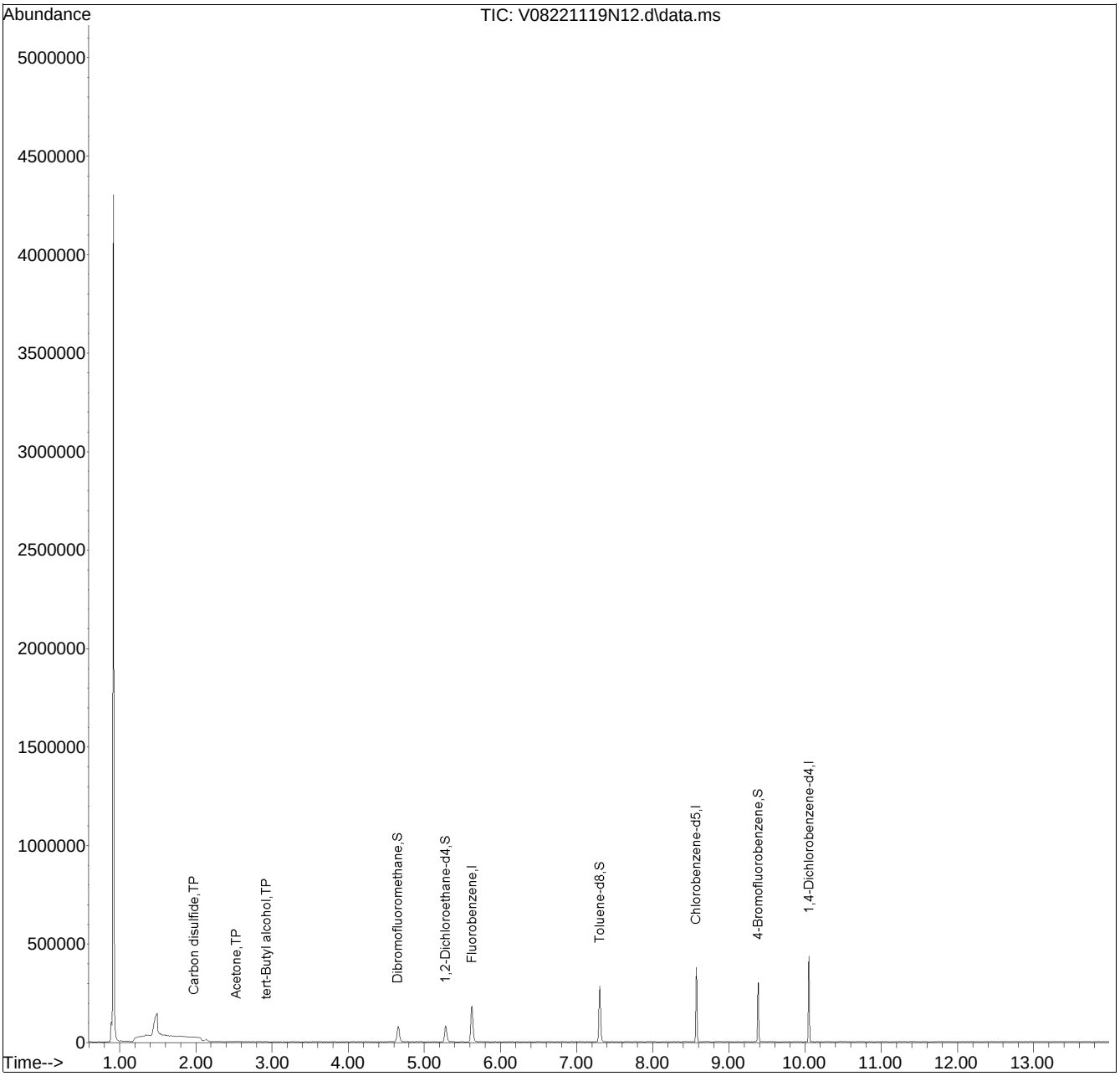
(#) = qualifier out of range (m) = manual integration (+) = signals summed

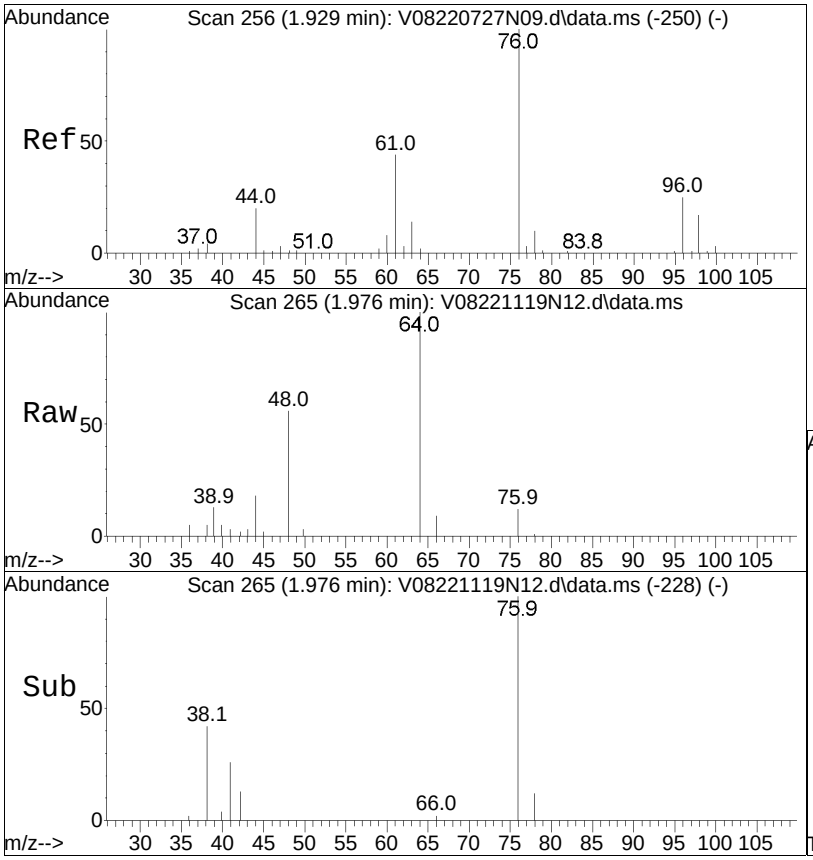
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N12.d
Acq On : 19 Nov 2022 10:43 pm
Operator : VOA108:PID
Sample : L2263244-12,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 12:01:18 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

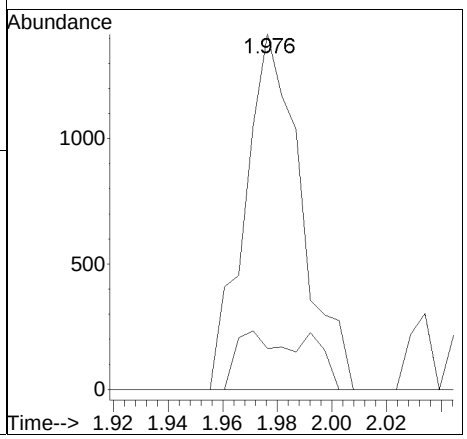


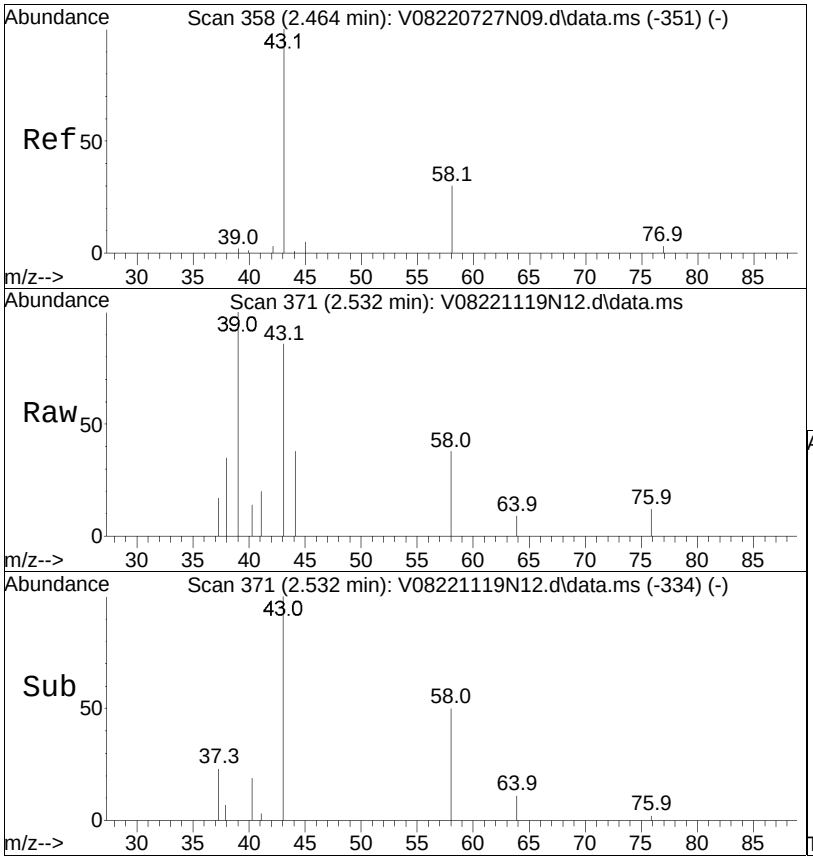


#11
Carbon disulfide
Concen: 0.23 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221119N12.d
Acq: 19 Nov 2022 10:43 pm

Tgt Ion: 76 Resp: 2033

Ion	Ratio	Lower	Upper
76	100		
78	14.3	5.7	11.7#

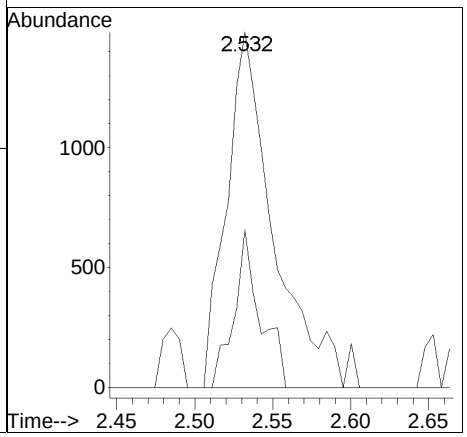




#17
Acetone
Concen: 2.61 ug/L
RT: 2.532 min Scan# 371
Delta R.T. -0.005 min
Lab File: V08221119N12.d
Acq: 19 Nov 2022 10:43 pm

Tgt Ion: 43 Resp: 3154

Ion	Ratio	Lower	Upper
43	100		
58	24.5	24.2	36.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N12.d	Operator	: VOA108:PID
Date Inj'd	: 11/19/2022 10:43 pm	Instrument	: VOA 108
Sample	: L2263244-12,31,10,10,,A	Quant Date	: 11/21/2022 11:05 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N13.d
Acq On : 19 Nov 2022 11:03 pm
Operator : VOA108:PID
Sample : L2263244-11,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 21 12:01:38 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	177357	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 89.42%		
59) Chlorobenzene-d5	8.572	117	140139	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 89.07%		
79) 1,4-Dichlorobenzene-d4	10.050	152	74101	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 84.41%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.655	113	55552	10.673 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.73%		
43) 1,2-Dichloroethane-d4	5.279	65	61052	11.151 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.51%		
60) Toluene-d8	7.303	98	168807	9.963 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.63%		
83) 4-Bromofluorobenzene	9.385	95	56229	9.998 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.98%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.190	62	284478	71.011 ug/L	90
5) Bromomethane	1.405	94	61	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.971	96	1323M2	0.250 ug/L	
11) Carbon disulfide	1.976	76	1304	0.142 ug/L #	85
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	2.537	43	1779	1.443 ug/L #	65
18) trans-1,2-Dichloroethene	2.632	96	2114	0.493 ug/L #	62
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	2.810	73	58	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.000	96	619250	125.052 ug/L #	63
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	4.257	56	3489	0.587 ug/L #	60
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N13.d
Acq On : 19 Nov 2022 11:03 pm
Operator : VOA108:PID
Sample : L2263244-11,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 21 12:01:38 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.834	43	51	N.D.		
41) Benzene	5.112	78	1547	0.094	ug/L #	61
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	5.783	83	1748	0.253	ug/L #	61
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.350	92	652	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	8.404	43	79	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.624	91	1013	N.D.		
76) p/m Xylene	8.729	106	303	N.D.		
77) o Xylene	9.007	106	106	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.217	105	253	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	10.056	146	132	N.D.		
101) 1,4-Dichlorobenzene	10.056	146	132	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	11.125	180	129	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

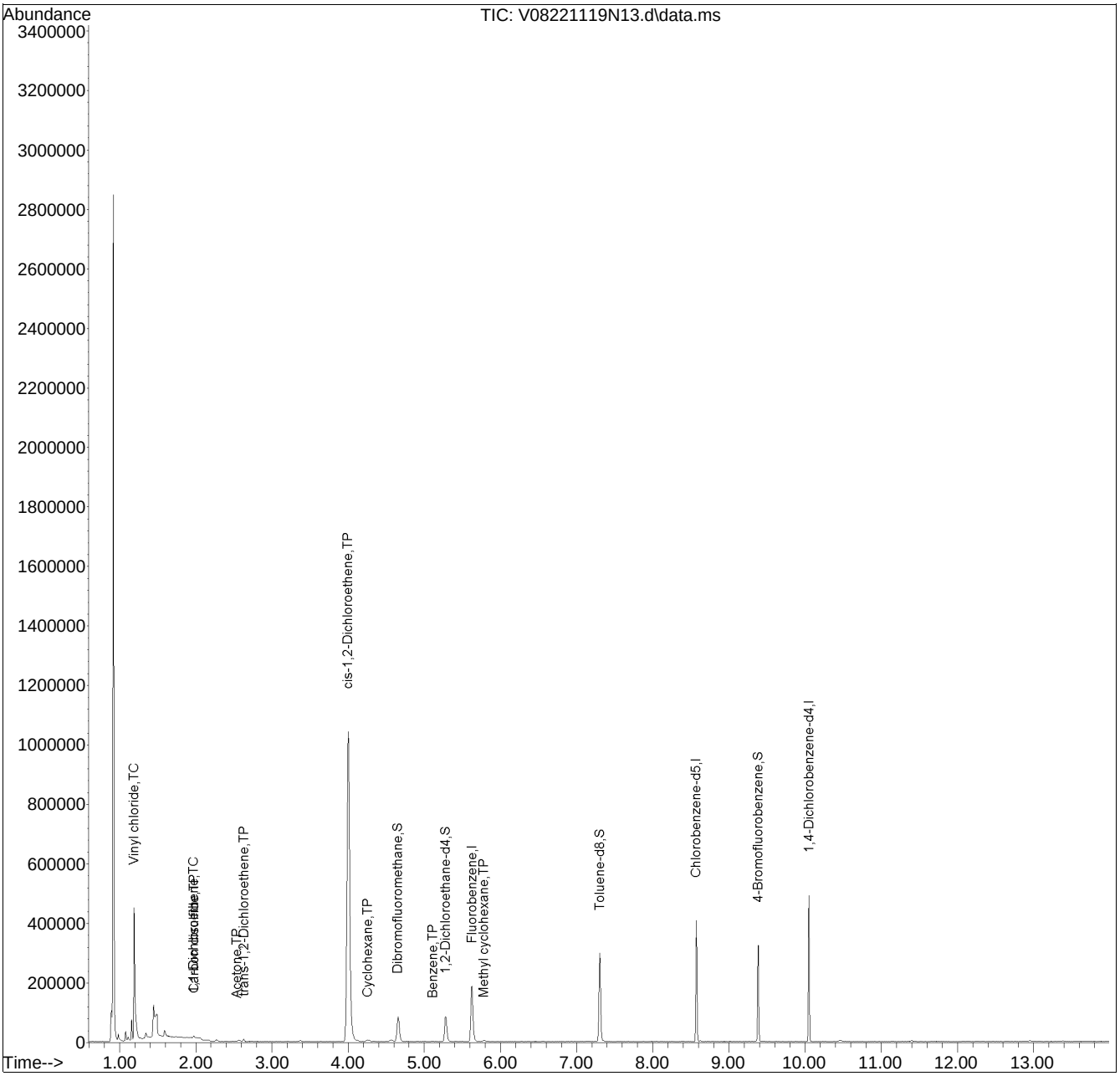
(#) = qualifier out of range (m) = manual integration (+) = signals summed

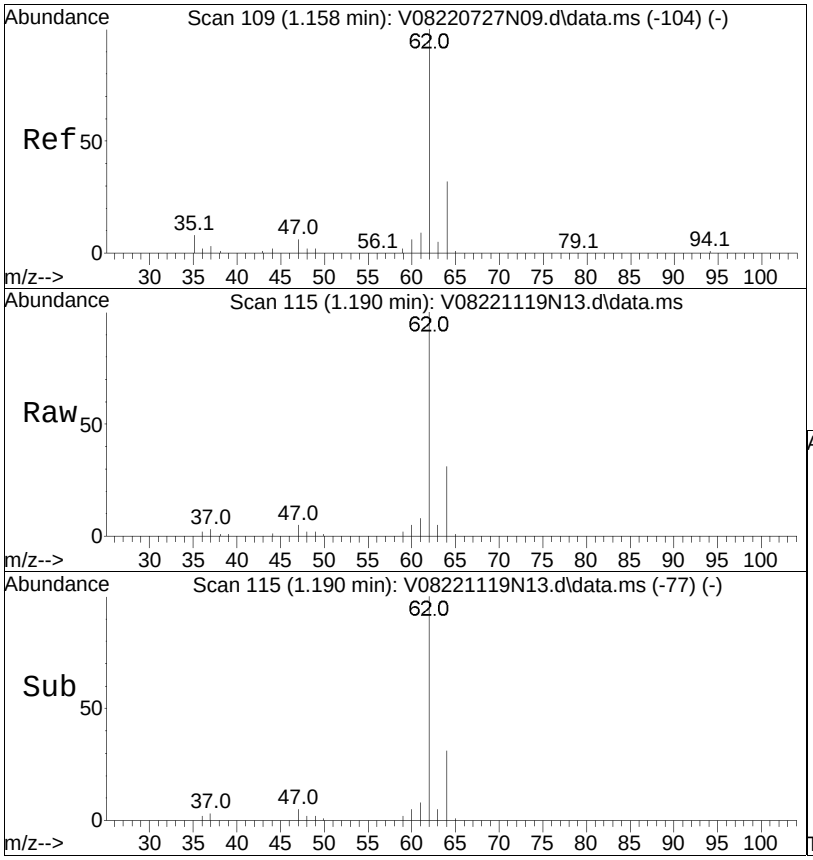
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N13.d
Acq On : 19 Nov 2022 11:03 pm
Operator : VOA108:PID
Sample : L2263244-11,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 21 12:01:38 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

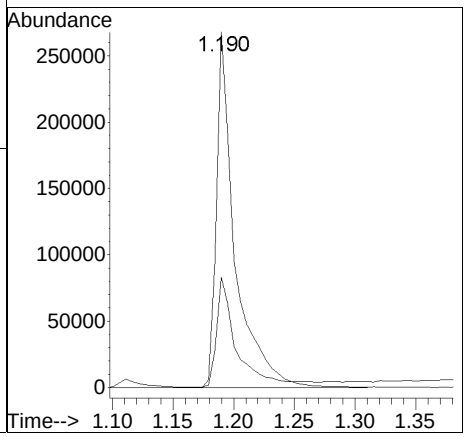


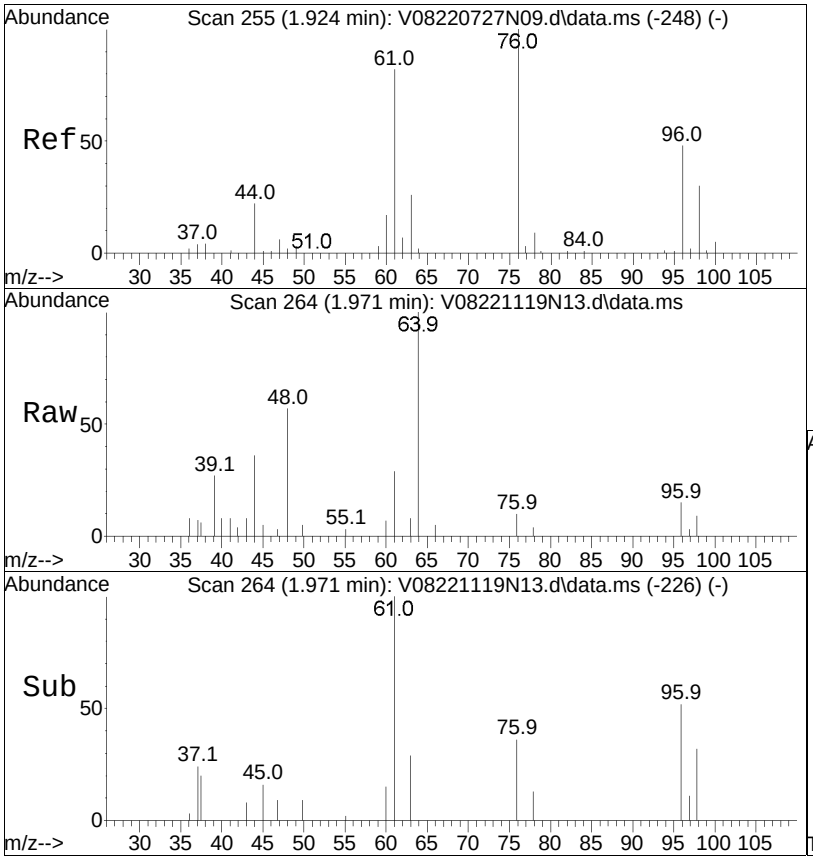


#4
Vinyl chloride
Concen: 71.01 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 62 Resp: 284478

Ion	Ratio	Lower	Upper
62	100		
64	34.4	9.1	49.1

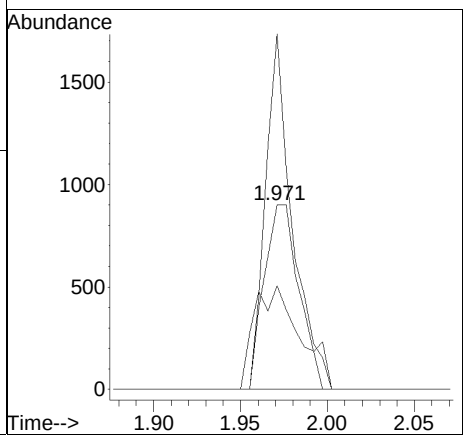


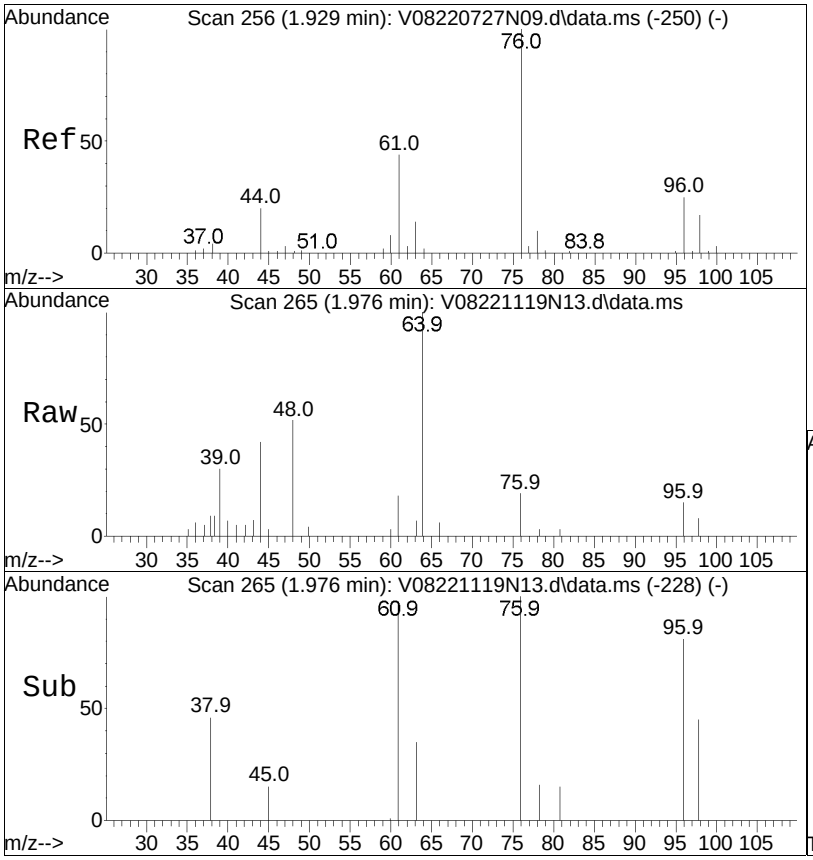


#10
1,1-Dichloroethene
Concen: 0.25 ug/L M2
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 96 Resp: 1323

Ion	Ratio	Lower	Upper
96	100		
61	0.0	186.1	279.1#
63	0.0	57.6	86.4#

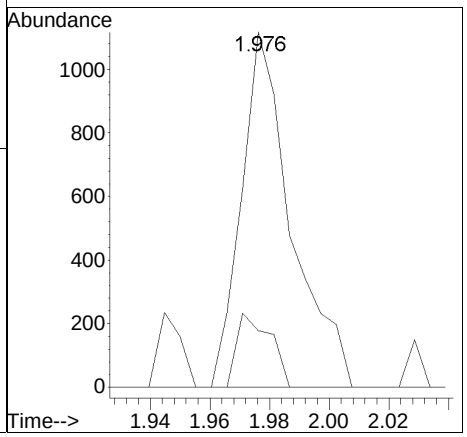


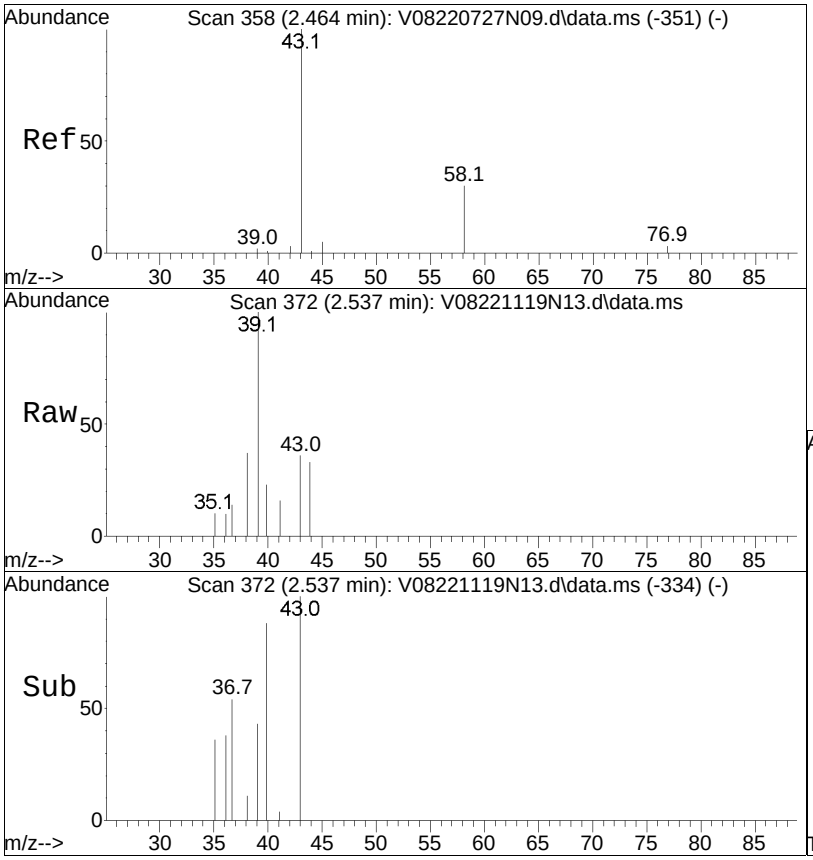


#11
Carbon disulfide
Concen: 0.14 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 76 Resp: 1304

Ion	Ratio	Lower	Upper
76	100		
78	14.0	5.7	11.7#

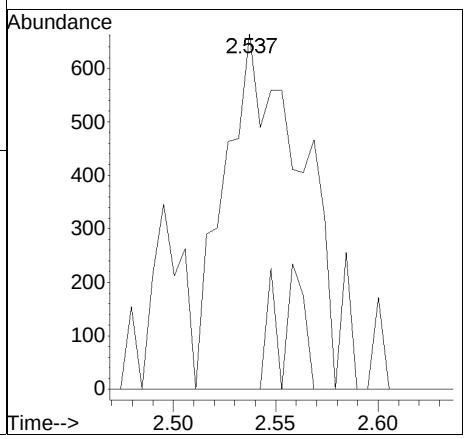


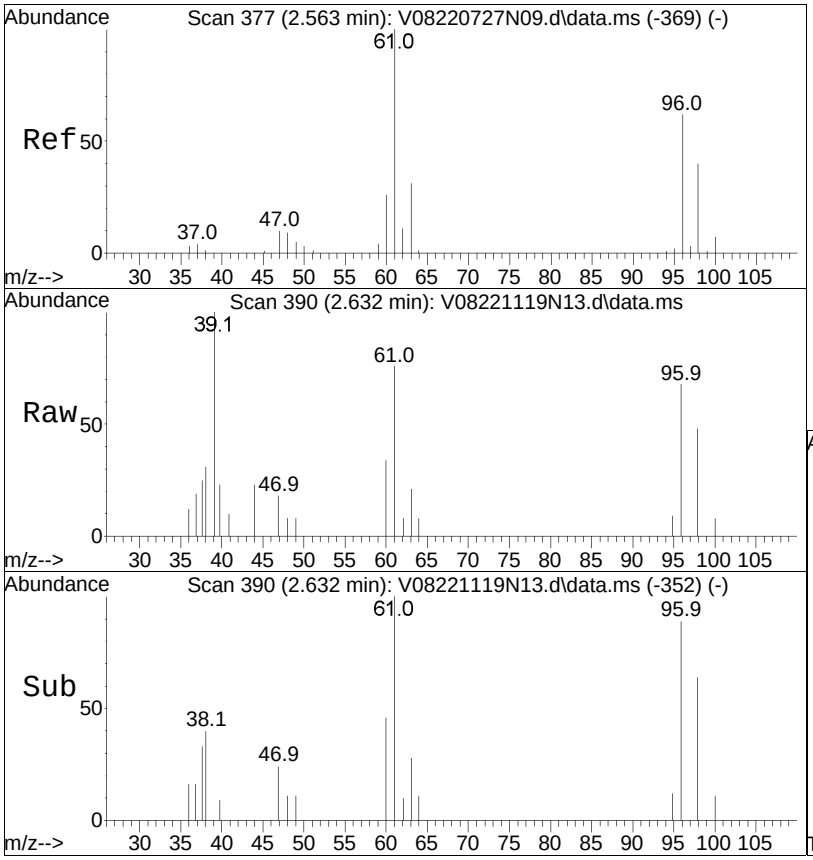


#17
Acetone
Concen: 1.44 ug/L
RT: 2.537 min Scan# 372
Delta R.T. 0.000 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 43 Resp: 1779

Ion	Ratio	Lower	Upper
43	100		
58	11.2	24.2	36.4#

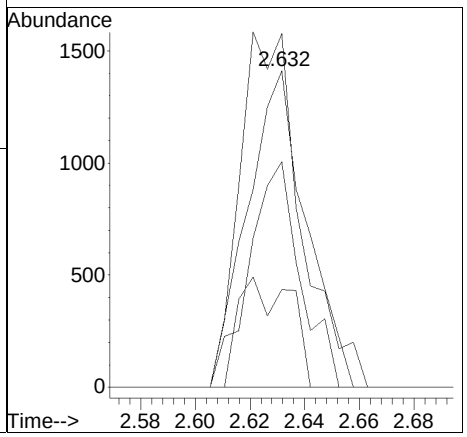


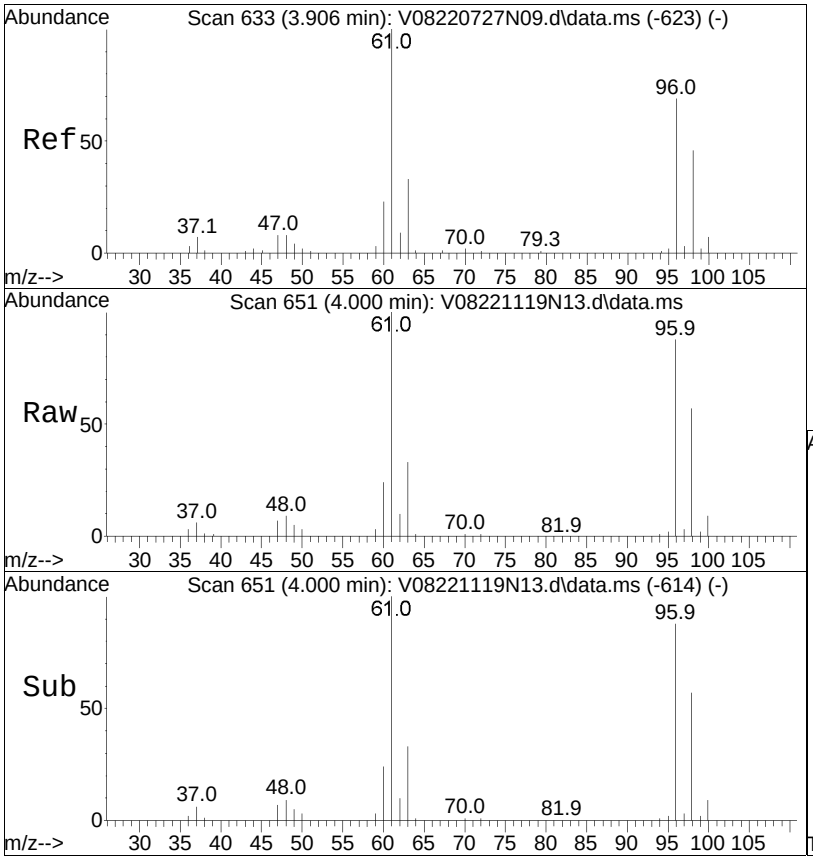


#18
trans-1,2-Dichloroethene
Concen: 0.49 ug/L
RT: 2.632 min Scan# 390
Delta R.T. 0.000 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 96 Resp: 2114

Ion	Ratio	Lower	Upper
96	100		
61	116.5	124.0	257.6#
98	62.0	41.2	85.6
63	30.8	38.4	79.7#

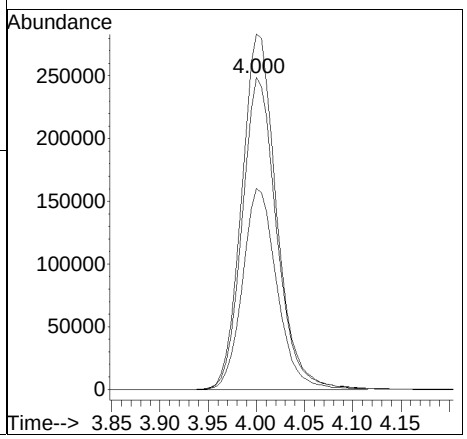


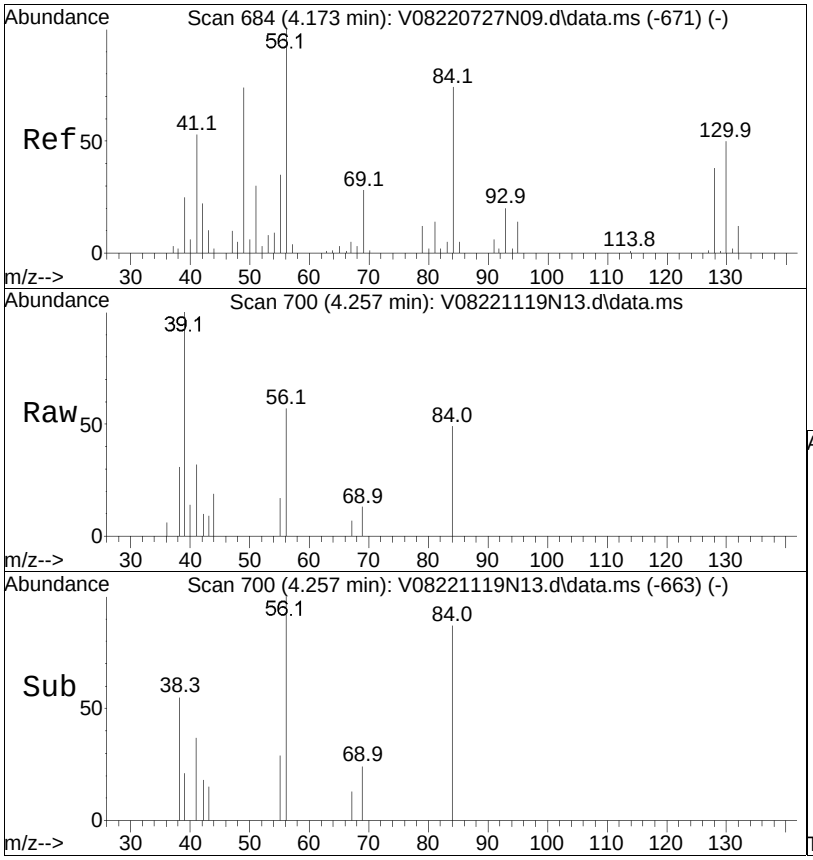


#28
cis-1,2-Dichloroethene
Concen: 125.05 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 96 Resp: 619250

Ion	Ratio	Lower	Upper
96	100		
61	115.0	149.4	224.2#
98	64.4	53.4	80.2

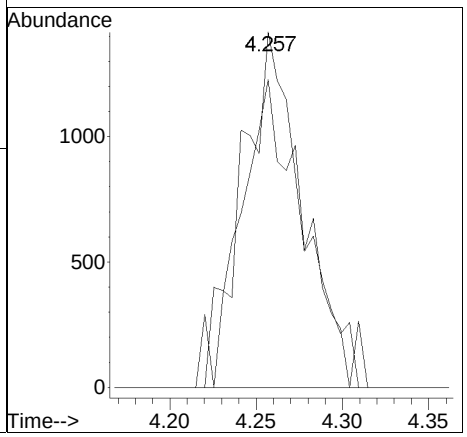


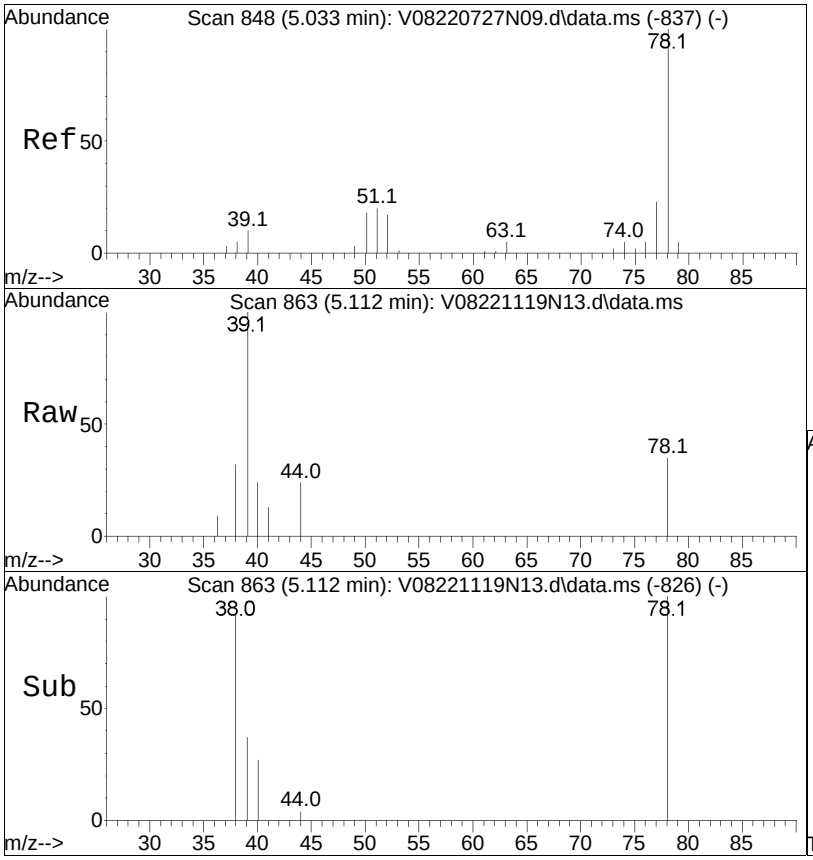


#31
Cyclohexane
Concen: 0.59 ug/L
RT: 4.257 min Scan# 700
Delta R.T. -0.005 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 56 Resp: 3489

Ion	Ratio	Lower	Upper
56	100		
84	89.4	38.4	79.8#

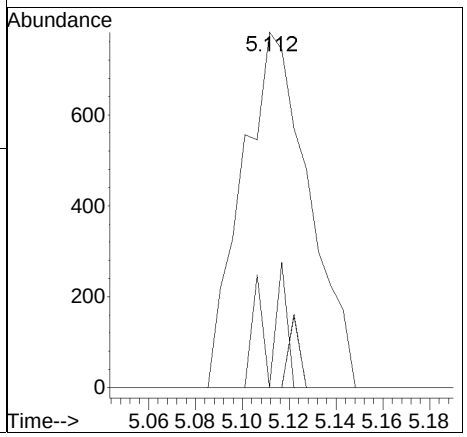


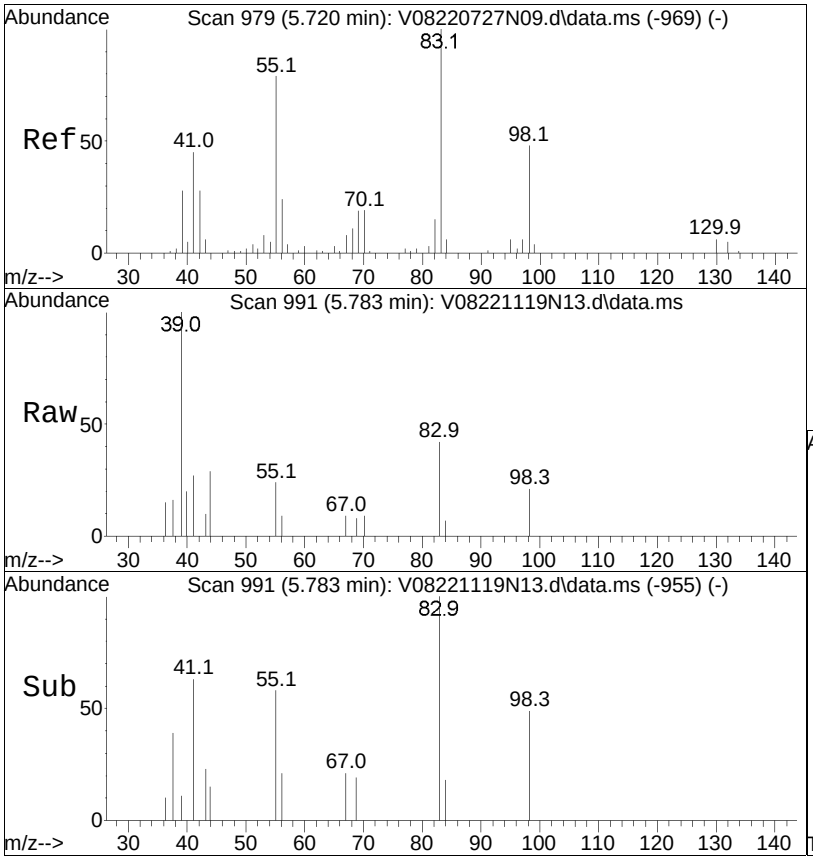


#41
Benzene
Concen: 0.09 ug/L
RT: 5.112 min Scan# 863
Delta R.T. -0.005 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 78 Resp: 1547

Ion	Ratio	Lower	Upper
78	100		
77	10.7	15.7	32.7#
51	0.0	16.0	33.2#
52	3.2	15.3	31.9#

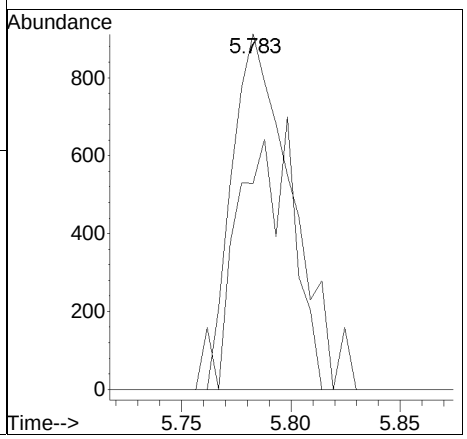




#47
Methyl cyclohexane
Concen: 0.25 ug/L
RT: 5.783 min Scan# 991
Delta R.T. -0.010 min
Lab File: V08221119N13.d
Acq: 19 Nov 2022 11:03 pm

Tgt Ion: 83 Resp: 1748

Ion	Ratio	Lower	Upper
83	100		
55	68.7	88.3	132.5#

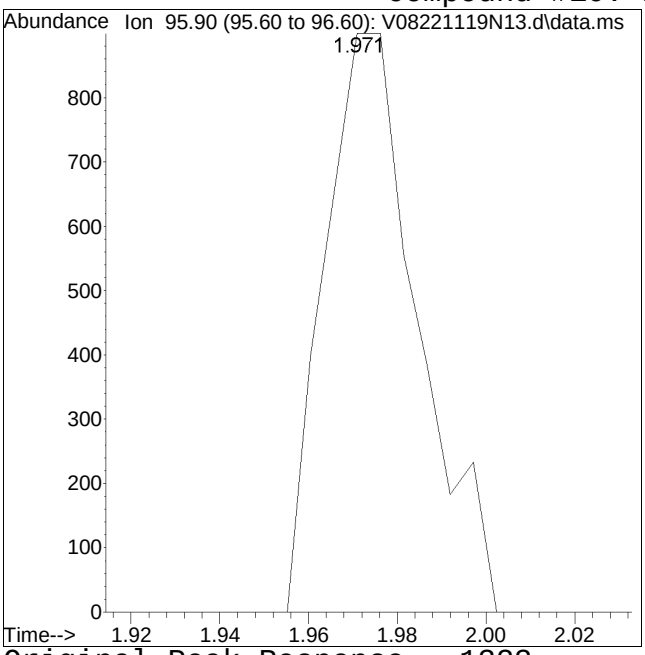


Manual Integration Report

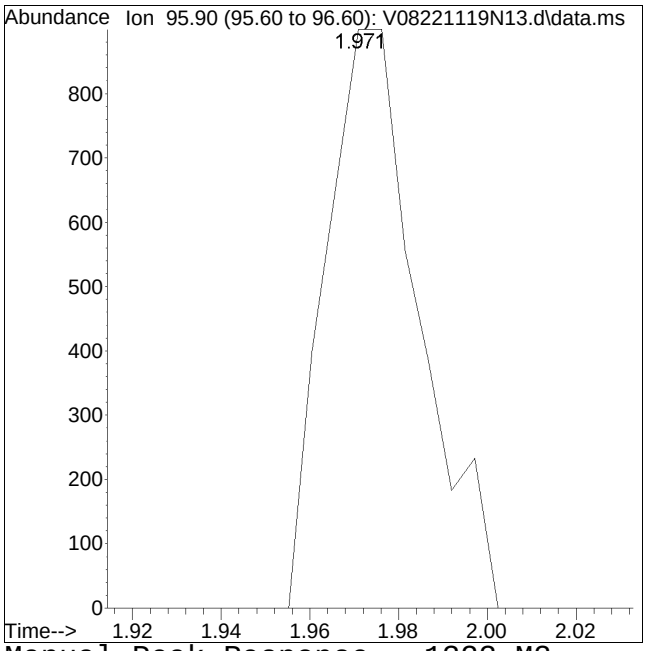
Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221119N13.d
Date Inj'd : 11/19/2022 11:03 pm
Sample : L2263244-11,31,10,10,,A

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/21/2022 11:05 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 1323



Manual Peak Response = 1323 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N14.d
Acq On : 19 Nov 2022 11:23 pm
Operator : VOA108:PID
Sample : L2263244-13,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 12:01:45 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	174484	10.000	ug/L	0.00
Standard Area 1 = 198344			Recovery = 87.97%			
59) Chlorobenzene-d5	8.572	117	136148	10.000	ug/L	0.00
Standard Area 1 = 157340			Recovery = 86.53%			
79) 1,4-Dichlorobenzene-d4	10.051	152	68097	10.000	ug/L	0.00
Standard Area 1 = 87789			Recovery = 77.57%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.655	113	54711	10.685	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.85%			
43) 1,2-Dichloroethane-d4	5.279	65	59119	10.975	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.75%			
60) Toluene-d8	7.303	98	168098	10.212	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.12%			
83) 4-Bromofluorobenzene	9.385	95	52432	10.145	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.45%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.901	85	156	N.D.		
3) Chloromethane	1.148	50	52	N.D.		
4) Vinyl chloride	1.190	62	6474	1.643	ug/L	86
5) Bromomethane	1.405	94	70	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	1.987	96	570	0.110	ug/L #	14
11) Carbon disulfide	1.982	76	620	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	2.537	43	1253	1.033	ug/L #	55
18) trans-1,2-Dichloroethene	2.626	96	23509	5.576	ug/L	67
19) Methyl acetate	2.642	43	115	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	4.000	96	289787	59.484	ug/L #	62
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.262	56	206	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N14.d
Acq On : 19 Nov 2022 11:23 pm
Operator : VOA108:PID
Sample : L2263244-13,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 12:01:45 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.755	43	48	N.D.		
41) Benzene	5.112	78	1068	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	5.819	95	205315	43.447	ug/L	88
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.696	166	810	0.162	ug/L	84
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	7.890	83	51	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.577	43	130	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.619	91	55	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	9.379	105	107	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	10.009	146	48	N.D.		
101) 1,4-Dichlorobenzene	10.009	146	48	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	11.131	180	52	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

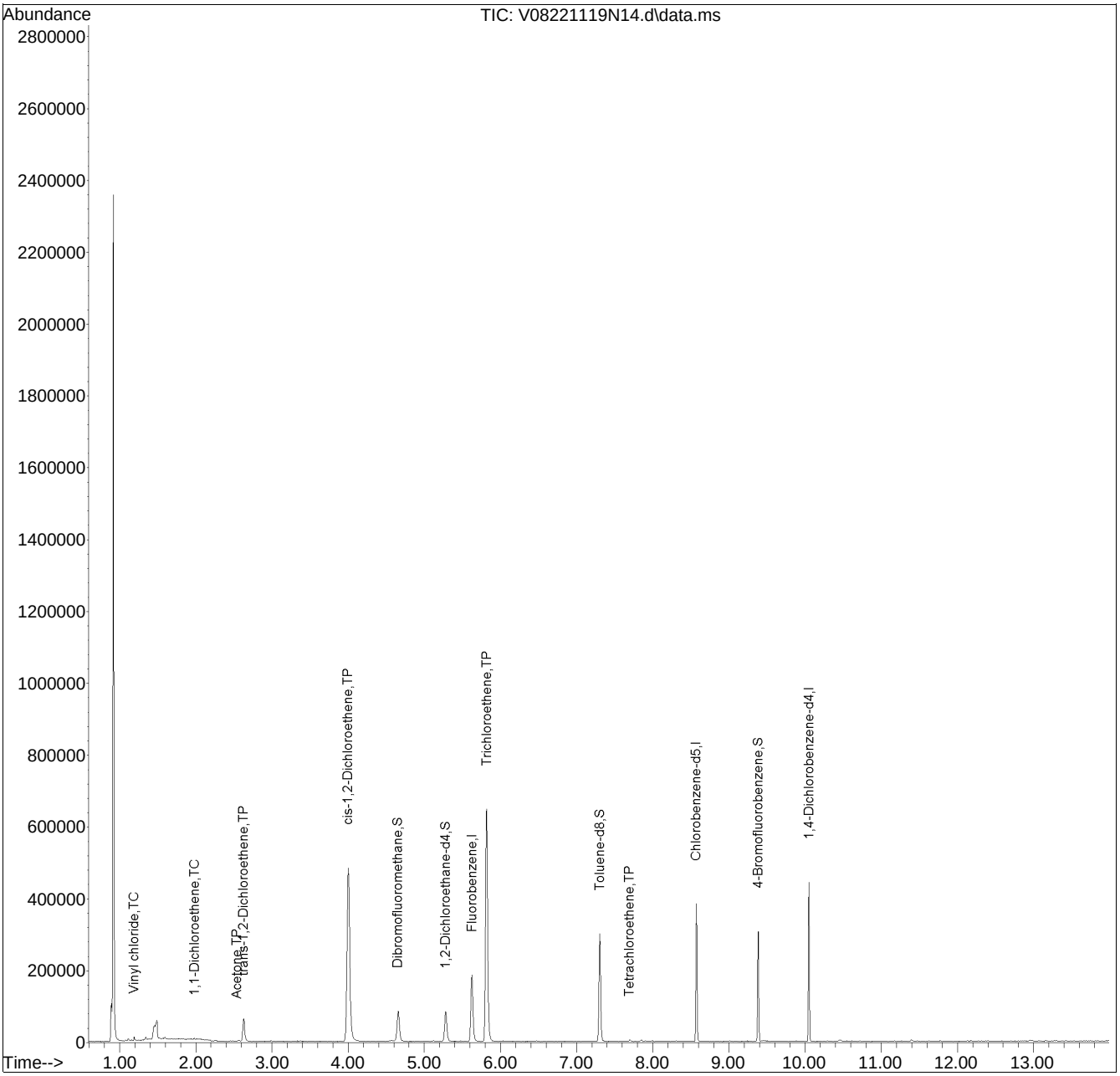
(#) = qualifier out of range (m) = manual integration (+) = signals summed

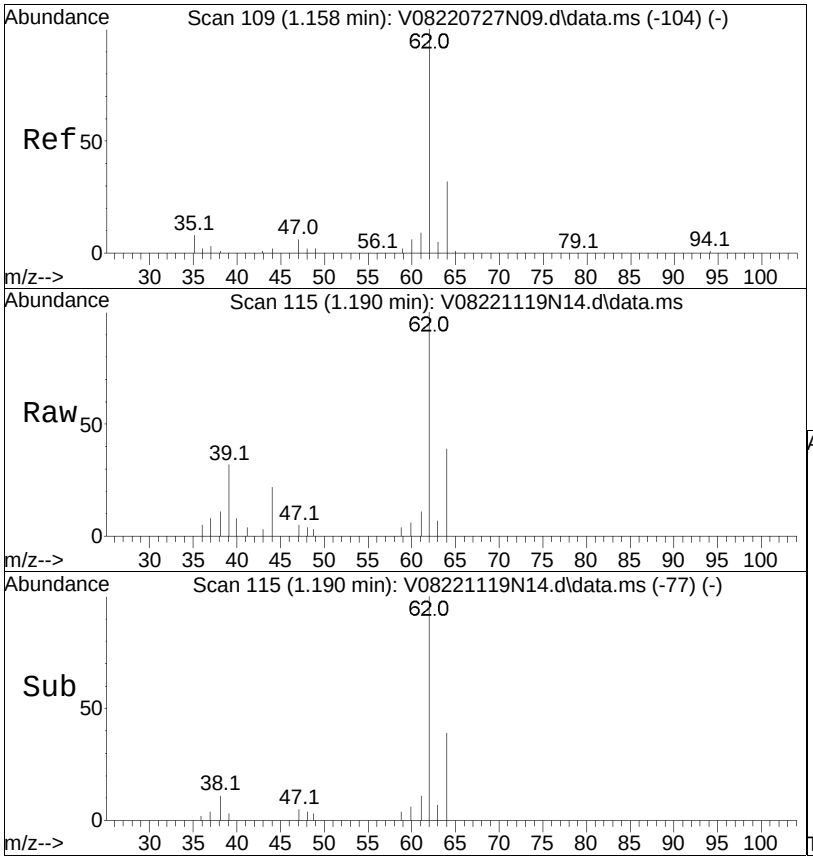
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N14.d
Acq On : 19 Nov 2022 11:23 pm
Operator : VOA108:PID
Sample : L2263244-13,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 12:01:45 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

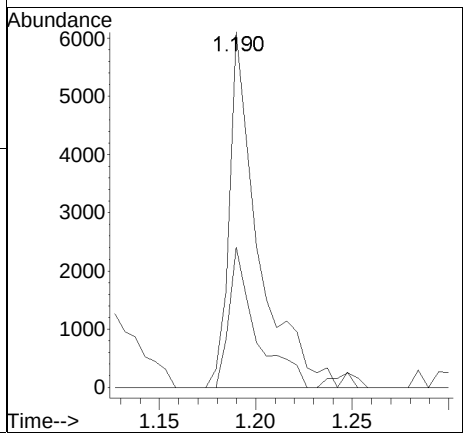


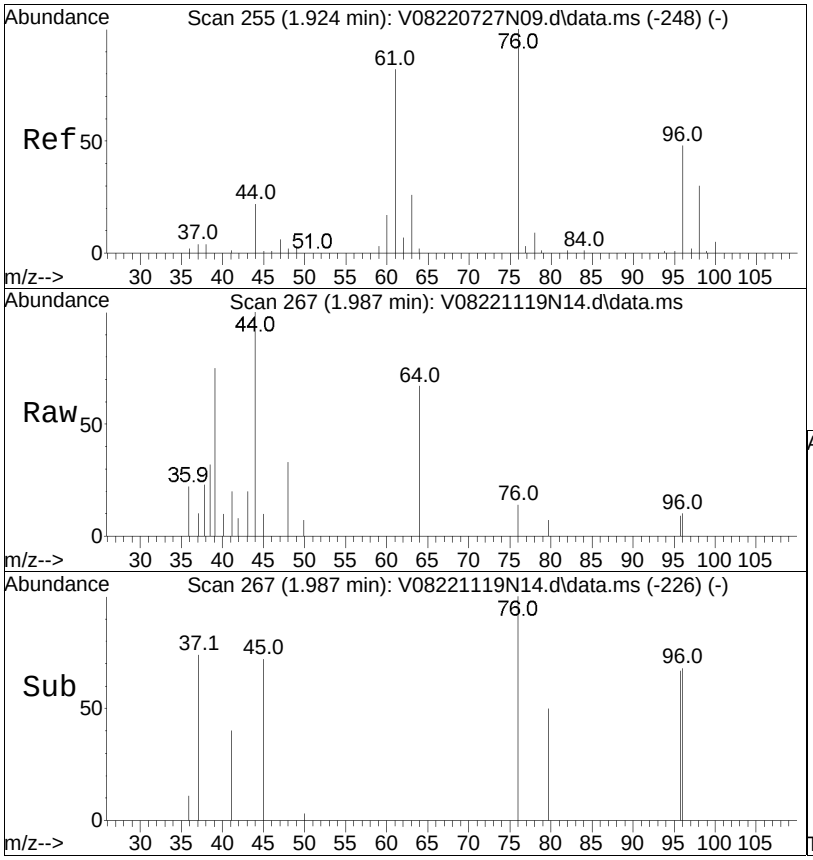


#4
Vinyl chloride
Concen: 1.64 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N14.d
Acq: 19 Nov 2022 11:23 pm

Tgt Ion: 62 Resp: 6474

Ion	Ratio	Lower	Upper
62	100		
64	36.5	9.1	49.1

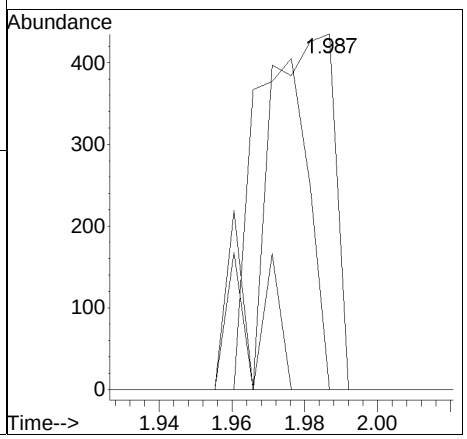


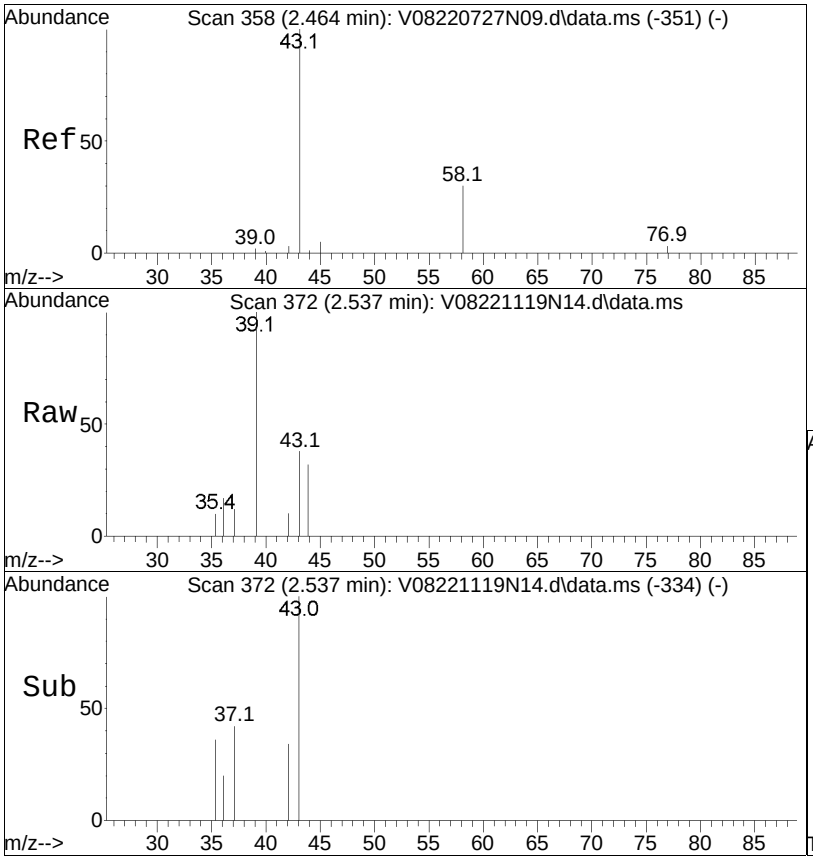


#10
1,1-Dichloroethene
Concen: 0.11 ug/L
RT: 1.987 min Scan# 267
Delta R.T. 0.016 min
Lab File: V08221119N14.d
Acq: 19 Nov 2022 11:23 pm

Tgt Ion: 96 Resp: 570

Ion	Ratio	Lower	Upper
96	100		
61	77.0	186.1	279.1#
63	21.2	57.6	86.4#

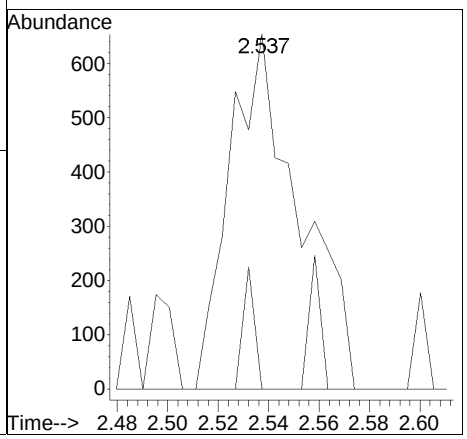


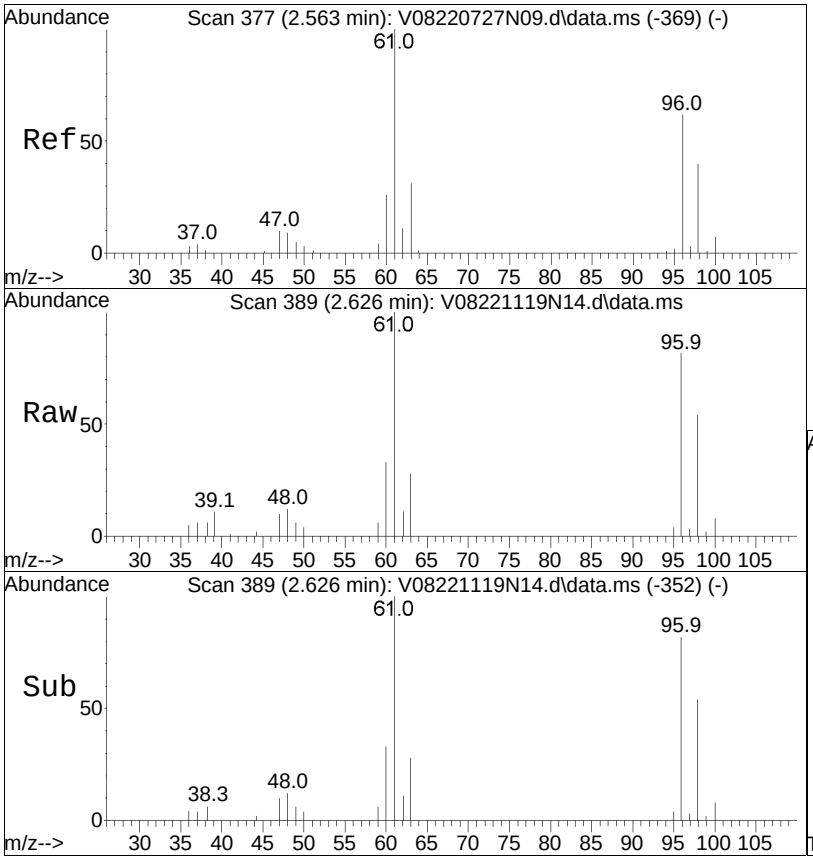


#17
Acetone
Concen: 1.03 ug/L
RT: 2.537 min Scan# 372
Delta R.T. 0.000 min
Lab File: V08221119N14.d
Acq: 19 Nov 2022 11:23 pm

Tgt Ion: 43 Resp: 1253

Ion	Ratio	Lower	Upper
43	100		
58	5.7	24.2	36.4#

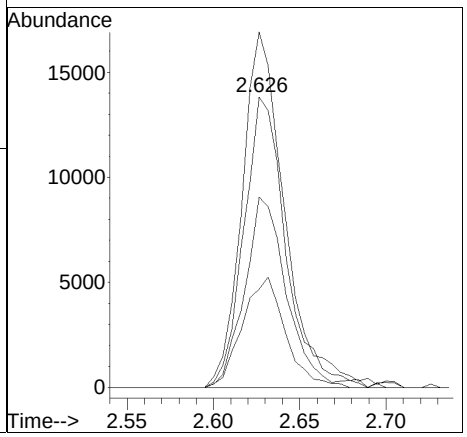


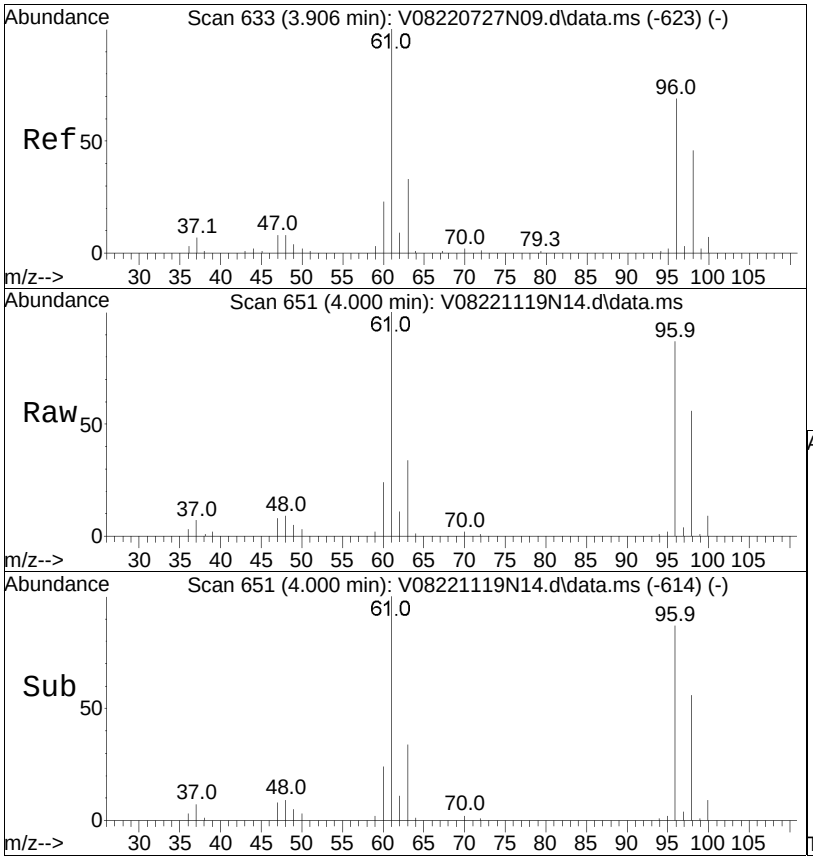


#18
trans-1,2-Dichloroethene
Concen: 5.58 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221119N14.d
Acq: 19 Nov 2022 11:23 pm

Tgt Ion: 96 Resp: 23509

Ion	Ratio	Lower	Upper
96	100		
61	125.0	124.0	257.6
98	65.8	41.2	85.6
63	38.7	38.4	79.7

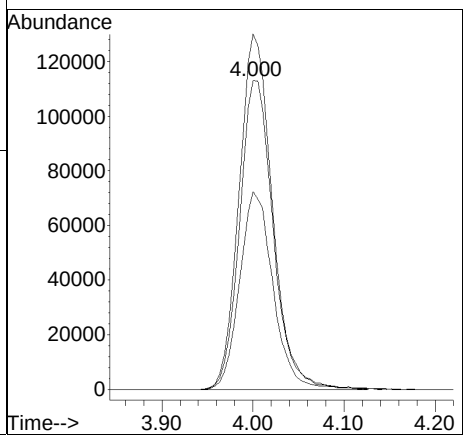


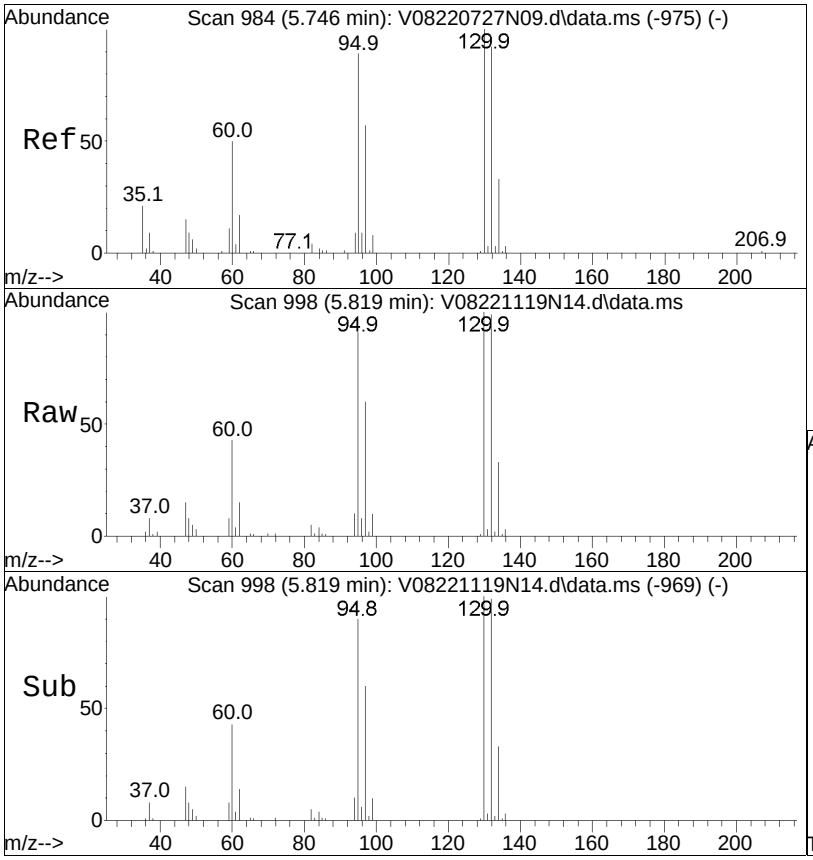


#28
cis-1,2-Dichloroethene
Concen: 59.48 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221119N14.d
Acq: 19 Nov 2022 11:23 pm

Tgt Ion: 96 Resp: 289787

Ion	Ratio	Lower	Upper
96	100		
61	114.3	149.4	224.2#
98	63.8	53.4	80.2

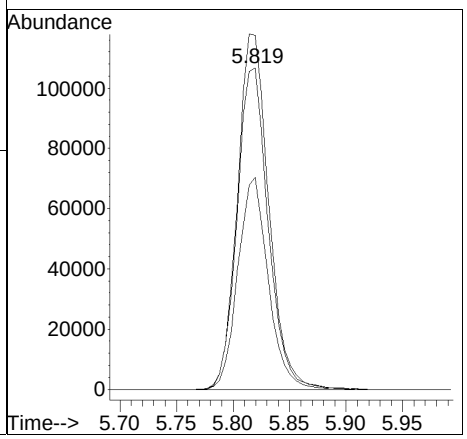


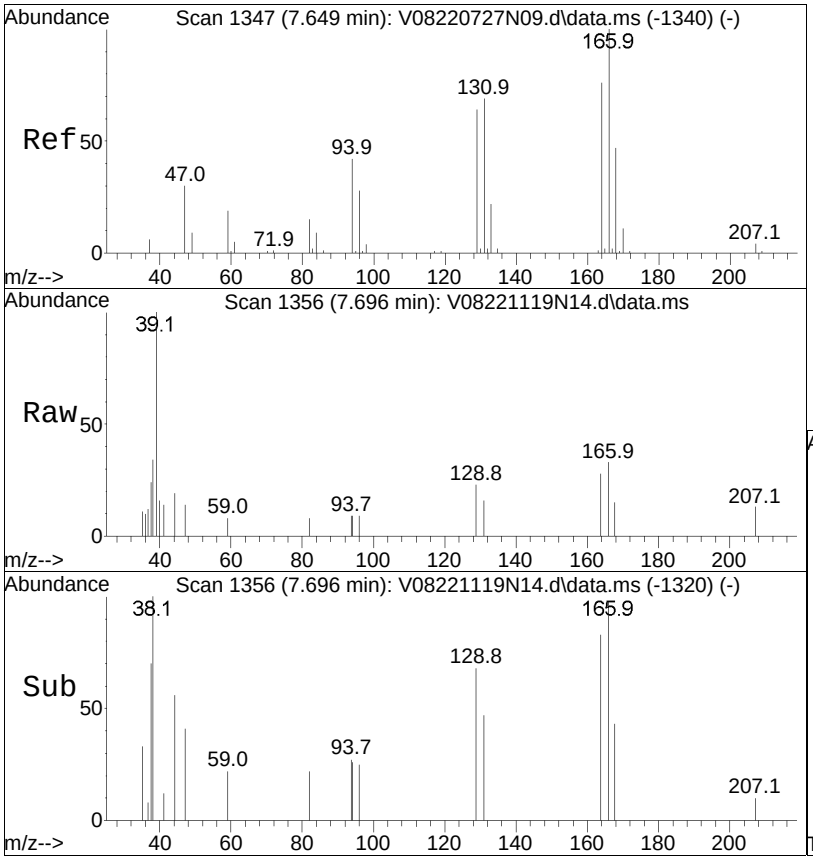


#48
Trichloroethene
Concen: 43.45 ug/L
RT: 5.819 min Scan# 998
Delta R.T. 0.000 min
Lab File: V08221119N14.d
Acq: 19 Nov 2022 11:23 pm

Tgt Ion: 95 Resp: 205315

Ion	Ratio	Lower	Upper
95	100		
97	64.3	55.5	83.3
130	111.2	76.6	115.0

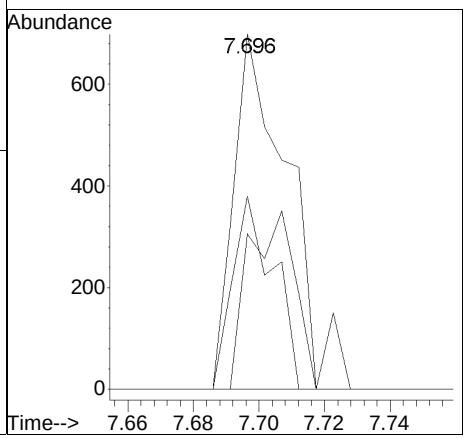




#63
Tetrachloroethene
Concen: 0.16 ug/L
RT: 7.696 min Scan# 1356
Delta R.T. -0.010 min
Lab File: V08221119N14.d
Acq: 19 Nov 2022 11:23 pm

Tgt Ion:166 Resp: 810

Ion	Ratio	Lower	Upper
166	100		
168	42.8	28.2	68.2
94	40.9	38.4	78.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N14.d	Operator	: VOA108:PID
Date Inj'd	: 11/19/2022 11:23 pm	Instrument	: VOA 108
Sample	: L2263244-13,31,10,10,,A	Quant Date	: 11/21/2022 11:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N15.d
Acq On : 19 Nov 2022 11:43 pm
Operator : VOA108:PID
Sample : L2263244-14D,31,0.4,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 21 12:02:37 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	170045	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 85.73%		
59) Chlorobenzene-d5	8.572	117	132287	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 84.08%		
79) 1,4-Dichlorobenzene-d4	10.050	152	66179	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 75.38%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.655	113	53993	10.820 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.20%		
43) 1,2-Dichloroethane-d4	5.279	65	58436	11.132 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.32%		
60) Toluene-d8	7.303	98	160096	10.010 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.10%		
83) 4-Bromofluorobenzene	9.385	95	50460	10.047 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.47%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.190	62	26218	6.826 ug/L	89
5) Bromomethane	0.000		0	N.D. d	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.966	96	1384	0.273 ug/L #	44
11) Carbon disulfide	1.976	76	354	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	2.632	96	6570	1.599 ug/L #	67
19) Methyl acetate	2.684	43	58	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	4.005	96	489711	103.145 ug/L #	61
30) Bromochloromethane	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.	

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N15.d
Acq On : 19 Nov 2022 11:43 pm
Operator : VOA108:PID
Sample : L2263244-14D,31,0.4,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 21 12:02:37 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.786	43	53	N.D.		
41) Benzene	5.112	78	53	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	5.814	95	45756	9.935	ug/L	86
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.702	166	306	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	8.567	43	178	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.724	91	199	N.D.		
76) p/m Xylene	8.729	106	67	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.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	10.056	146	60	N.D.		
101) 1,4-Dichlorobenzene	10.056	146	60	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.		
111) 1,2,3-Trichlorobenzene	11.408	180	48	N.D.		

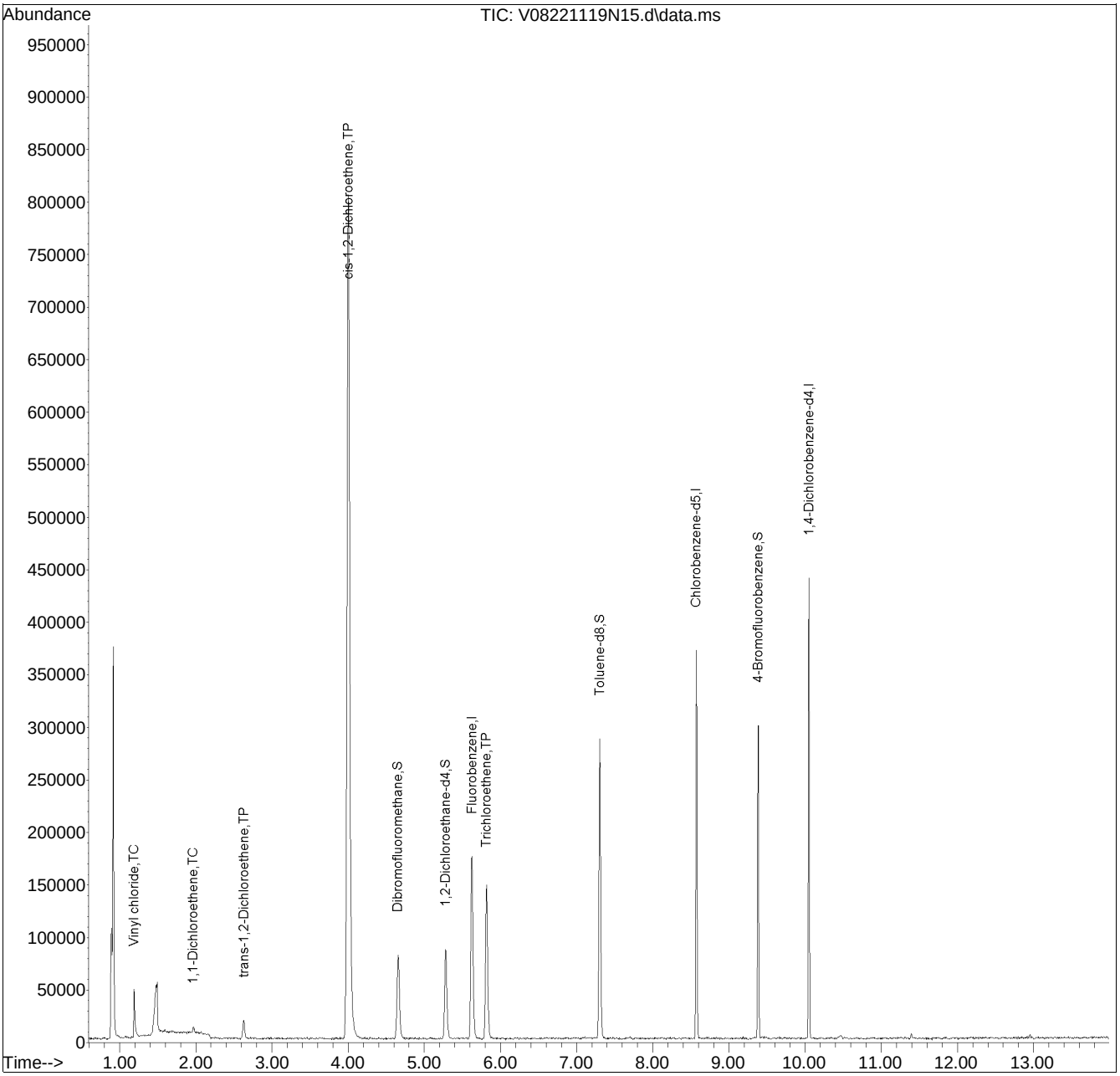
(#) = qualifier out of range (m) = manual integration (+) = signals summed

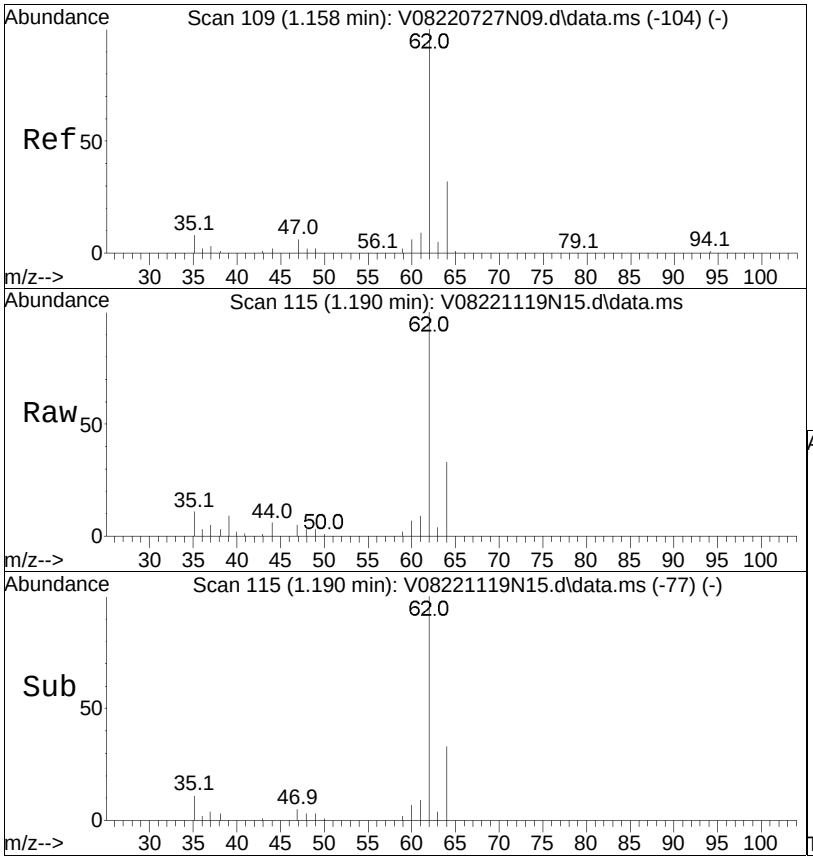
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N15.d
Acq On : 19 Nov 2022 11:43 pm
Operator : VOA108:PID
Sample : L2263244-14D,31,0.4,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 21 12:02:37 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

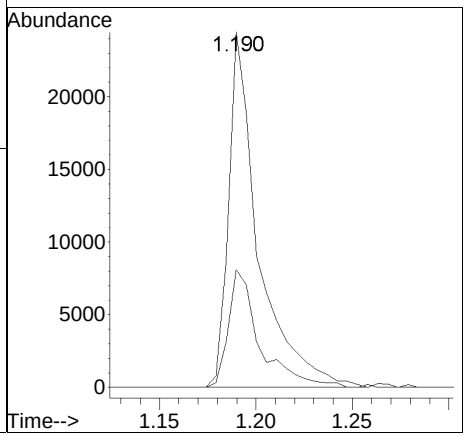


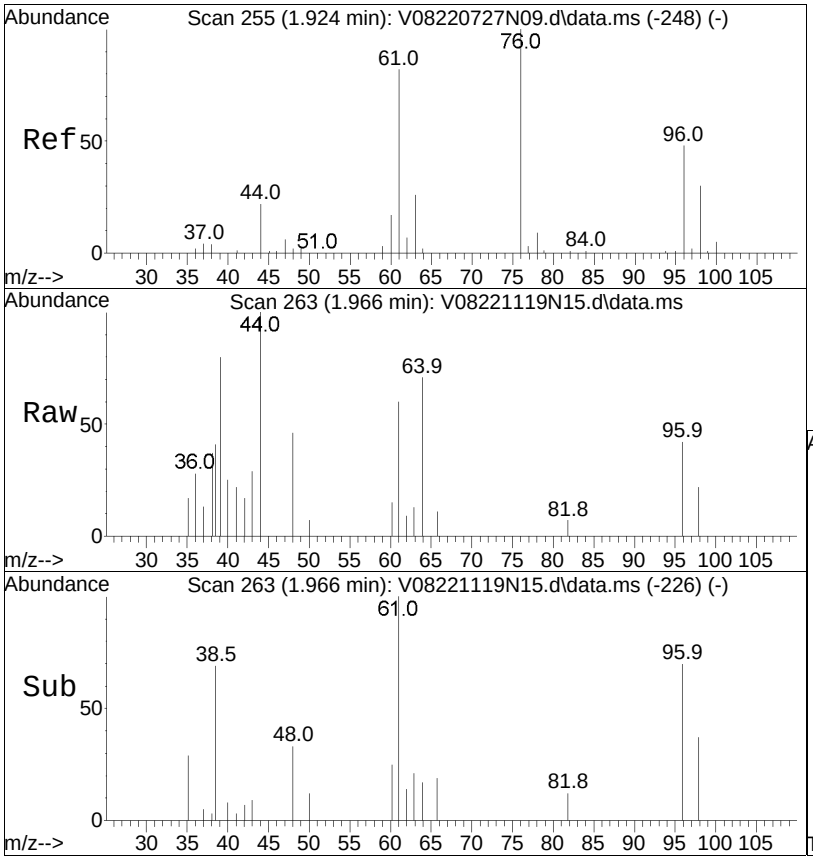


#4
Vinyl chloride
Concen: 6.83 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N15.d
Acq: 19 Nov 2022 11:43 pm

Tgt Ion: 62 Resp: 26218

Ion	Ratio	Lower	Upper
62	100		
64	34.9	9.1	49.1

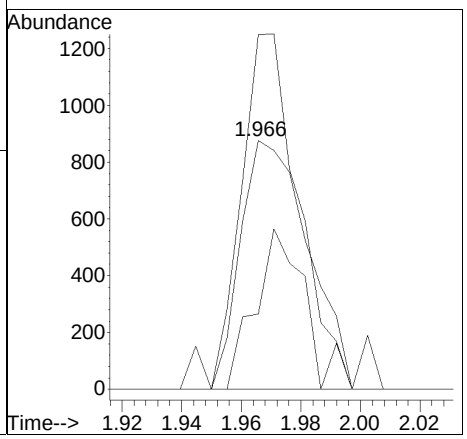


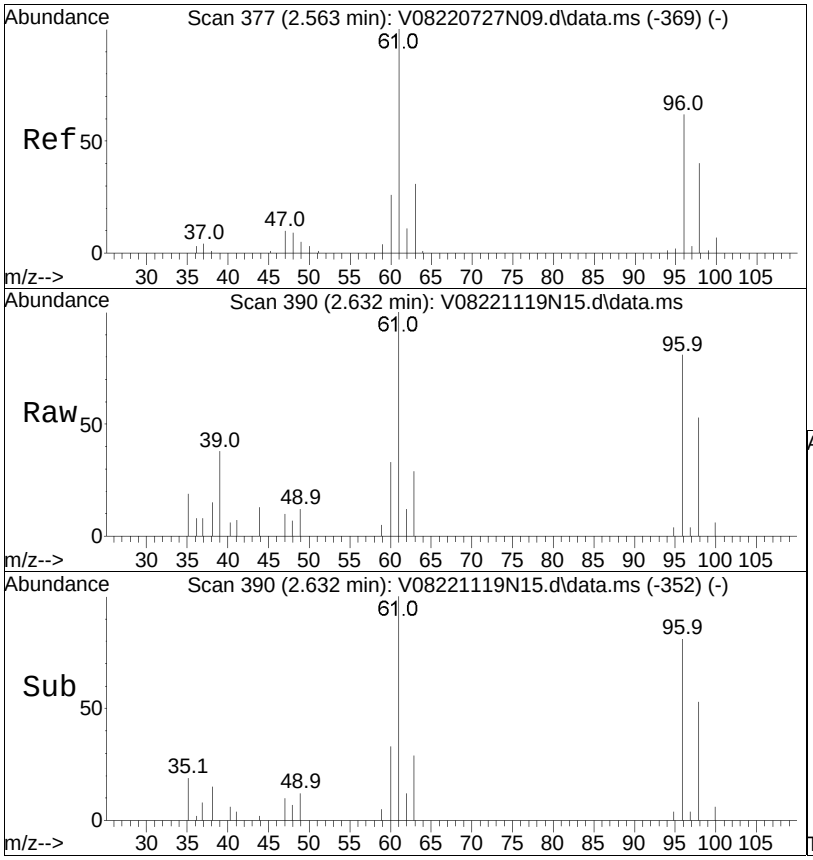


#10
1,1-Dichloroethene
Concen: 0.27 ug/L
RT: 1.966 min Scan# 263
Delta R.T. -0.005 min
Lab File: V08221119N15.d
Acq: 19 Nov 2022 11:43 pm

Tgt Ion: 96 Resp: 1384

Ion	Ratio	Lower	Upper
96	100		
61	124.5	186.1	279.1#
63	47.5	57.6	86.4#

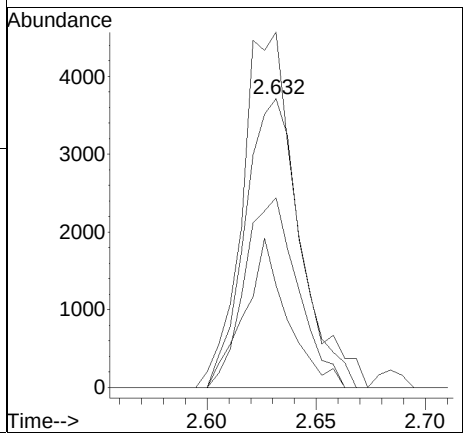


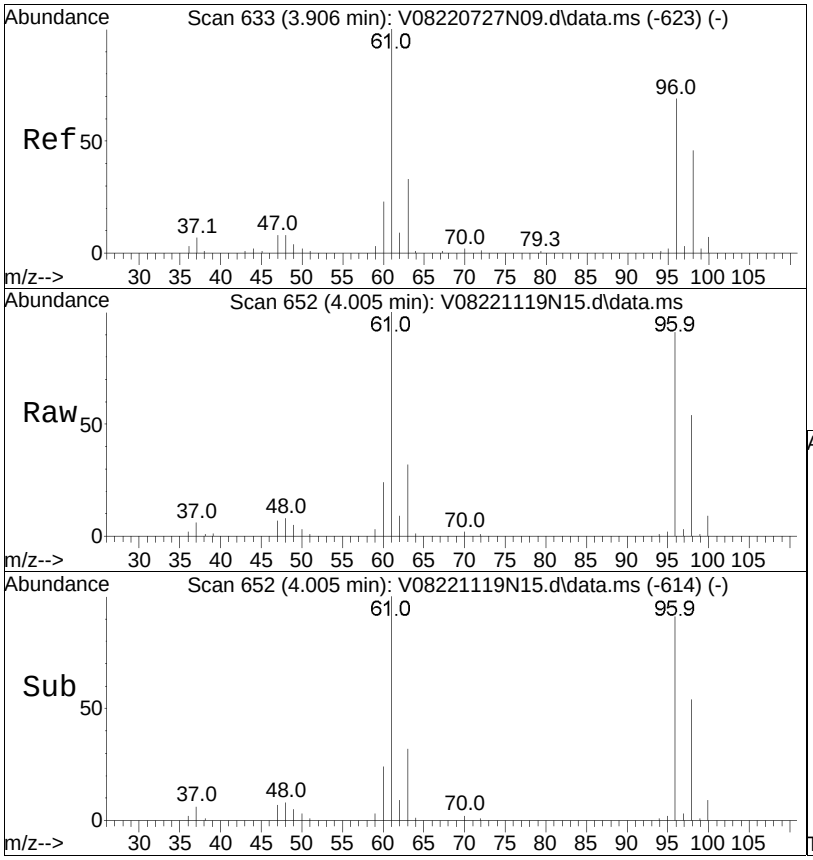


#18
trans-1,2-Dichloroethene
Concen: 1.60 ug/L
RT: 2.632 min Scan# 390
Delta R.T. 0.000 min
Lab File: V08221119N15.d
Acq: 19 Nov 2022 11:43 pm

Tgt Ion: 96 Resp: 6570

Ion	Ratio	Lower	Upper
96	100		
61	122.2	124.0	257.6#
98	62.8	41.2	85.6
63	40.0	38.4	79.7

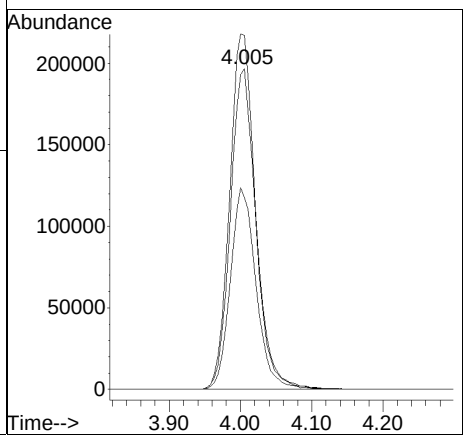


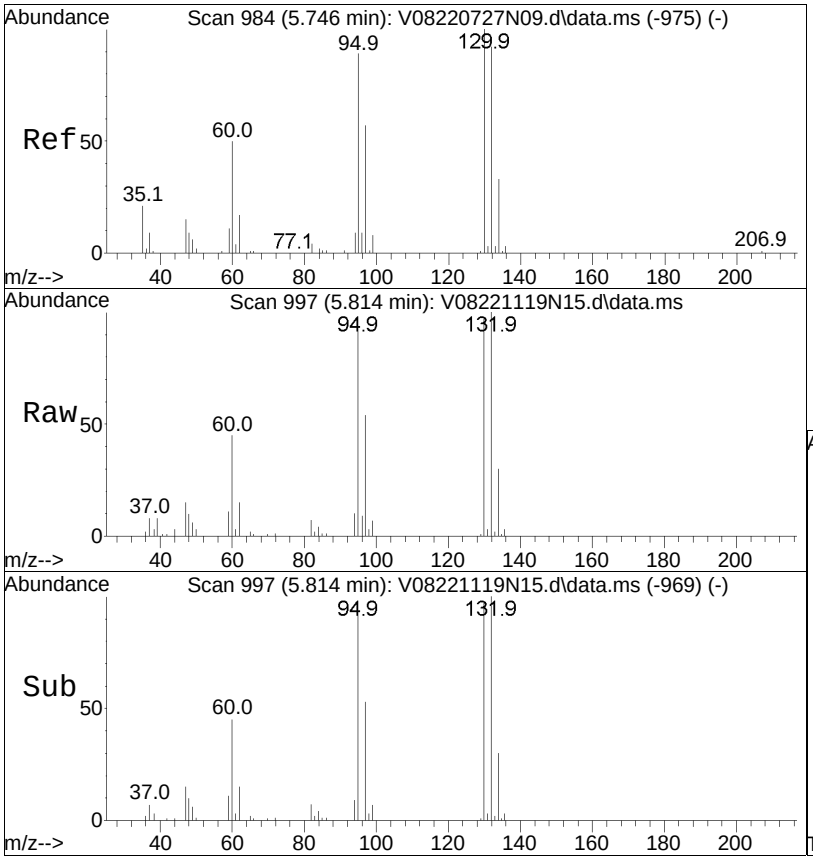


#28
cis-1,2-Dichloroethene
Concen: 103.15 ug/L
RT: 4.005 min Scan# 652
Delta R.T. 0.000 min
Lab File: V08221119N15.d
Acq: 19 Nov 2022 11:43 pm

Tgt Ion: 96 Resp: 489711

Ion	Ratio	Lower	Upper
96	100		
61	113.2	149.4	224.2#
98	63.3	53.4	80.2

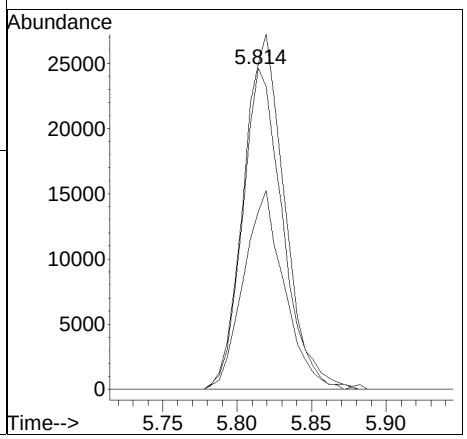




#48
Trichloroethene
Concen: 9.94 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N15.d
Acq: 19 Nov 2022 11:43 pm

Tgt Ion: 95 Resp: 45756

Ion	Ratio	Lower	Upper
95	100		
97	63.7	55.5	83.3
130	114.3	76.6	115.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N15.d	Operator	: VOA108:PID
Date Inj'd	: 11/19/2022 11:43 pm	Instrument	: VOA 108
Sample	: L2263244-14D,31,0.4,10,,A	Quant Date	: 11/21/2022 11:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N16.d
Acq On : 20 Nov 2022 12:03 am
Operator : VOA108:PID
Sample : L2263244-15D,31,4.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 21 11:59:02 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	172597	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 87.02%		
59) Chlorobenzene-d5	8.572	117	140690	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 89.42%		
79) 1,4-Dichlorobenzene-d4	10.050	152	71880	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 81.88%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.661	113	54593	10.778 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.78%		
43) 1,2-Dichloroethane-d4	5.279	65	57466	10.785 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.85%		
60) Toluene-d8	7.303	98	164825	9.690 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.90%		
83) 4-Bromofluorobenzene	9.385	95	54036	9.905 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.05%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.153	50	121	N.D.	
4) Vinyl chloride	1.190	62	268941	68.984 ug/L	95
5) Bromomethane	1.405	94	133	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.971	96	3074	0.598 ug/L #	42
11) Carbon disulfide	1.976	76	491	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	2.474	84	103	N.D.	
17) Acetone	2.542	43	1247	1.039 ug/L #	70
18) trans-1,2-Dichloroethene	2.626	96	15589	3.738 ug/L #	66
19) Methyl acetate	2.647	43	49	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	4.000	96	490935	101.874 ug/L #	61
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	4.257	56	125	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N16.d
Acq On : 20 Nov 2022 12:03 am
Operator : VOA108:PID
Sample : L2263244-15D,31,4.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 21 11:59:02 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.881	43	49	N.D.		
41) Benzene	5.117	78	818	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	5.814	95	1302	0.279	ug/L #	88
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.356	92	268	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.	d	
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.572	43	212	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.624	91	56	N.D.		
76) p/m Xylene	8.724	106	178	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	9.044	104	47	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	10.056	146	53	N.D.		
101) 1,4-Dichlorobenzene	10.056	146	53	N.D.		
104) 1,2-Dichlorobenzene	10.302	146	212	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

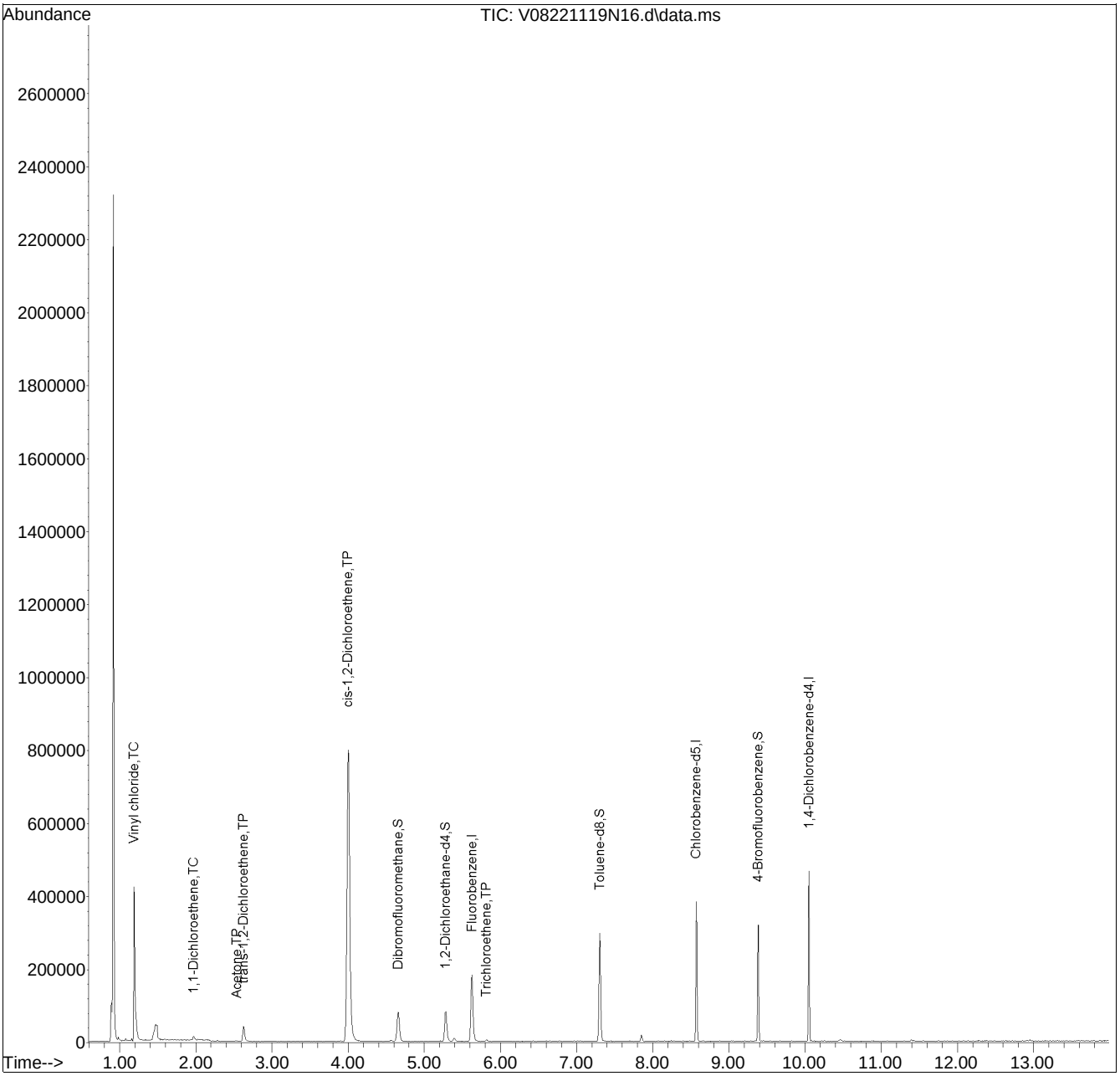
(#) = qualifier out of range (m) = manual integration (+) = signals summed

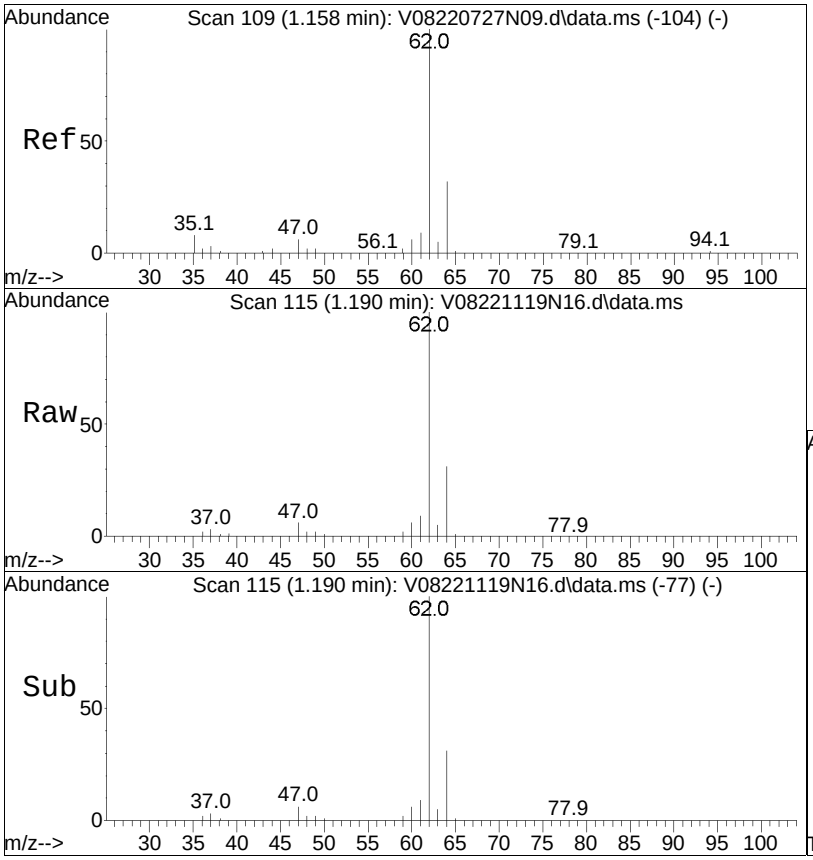
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N16.d
Acq On : 20 Nov 2022 12:03 am
Operator : VOA108:PID
Sample : L2263244-15D,31,4.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 21 11:59:02 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

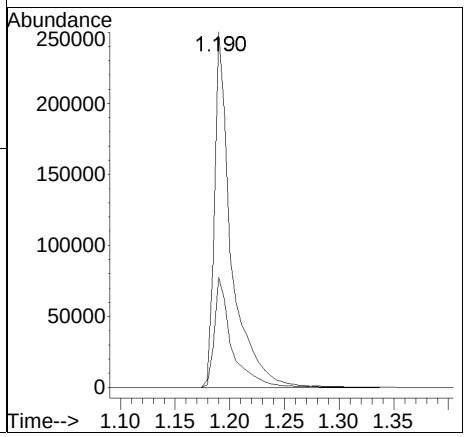


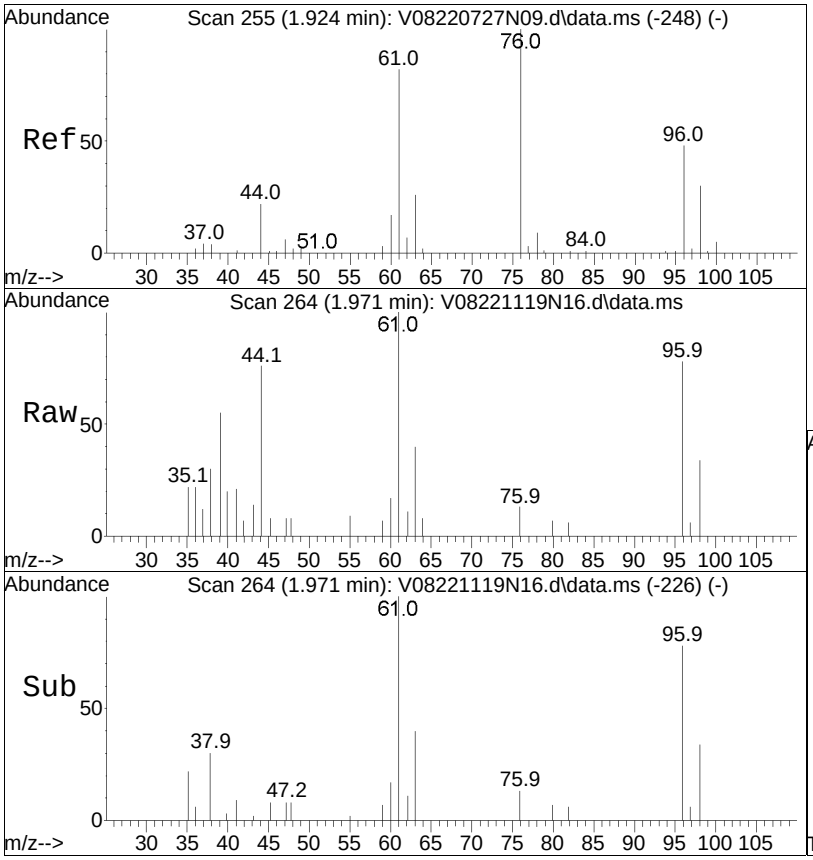


#4
Vinyl chloride
Concen: 68.98 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N16.d
Acq: 20 Nov 2022 12:03 am

Tgt Ion: 62 Resp: 268941

Ion	Ratio	Lower	Upper
62	100		
64	32.0	9.1	49.1

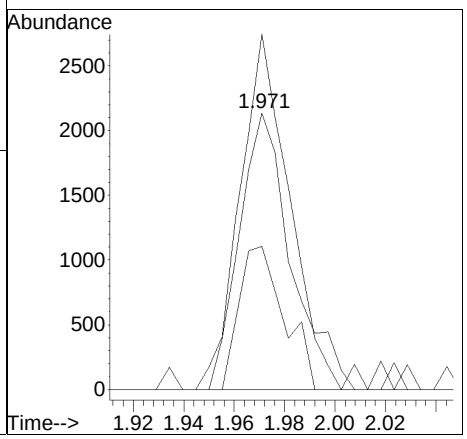


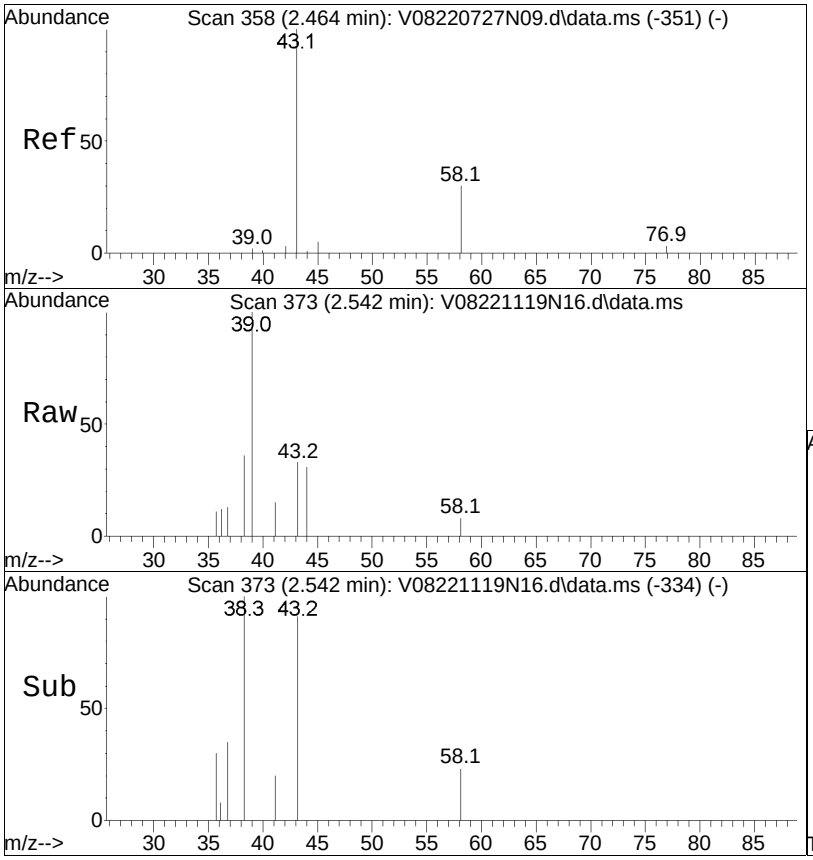


#10
1,1-Dichloroethene
Concen: 0.60 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221119N16.d
Acq: 20 Nov 2022 12:03 am

Tgt Ion: 96 Resp: 3074

Ion	Ratio	Lower	Upper
96	100		
61	122.9	186.1	279.1#
63	44.9	57.6	86.4#

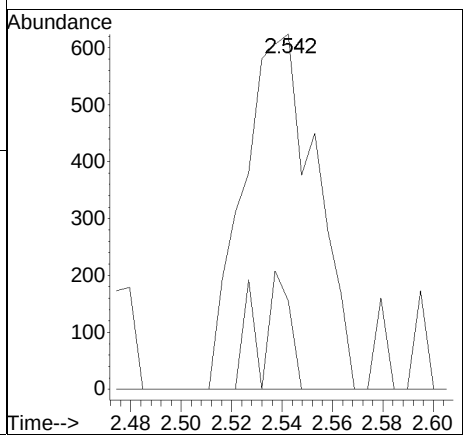


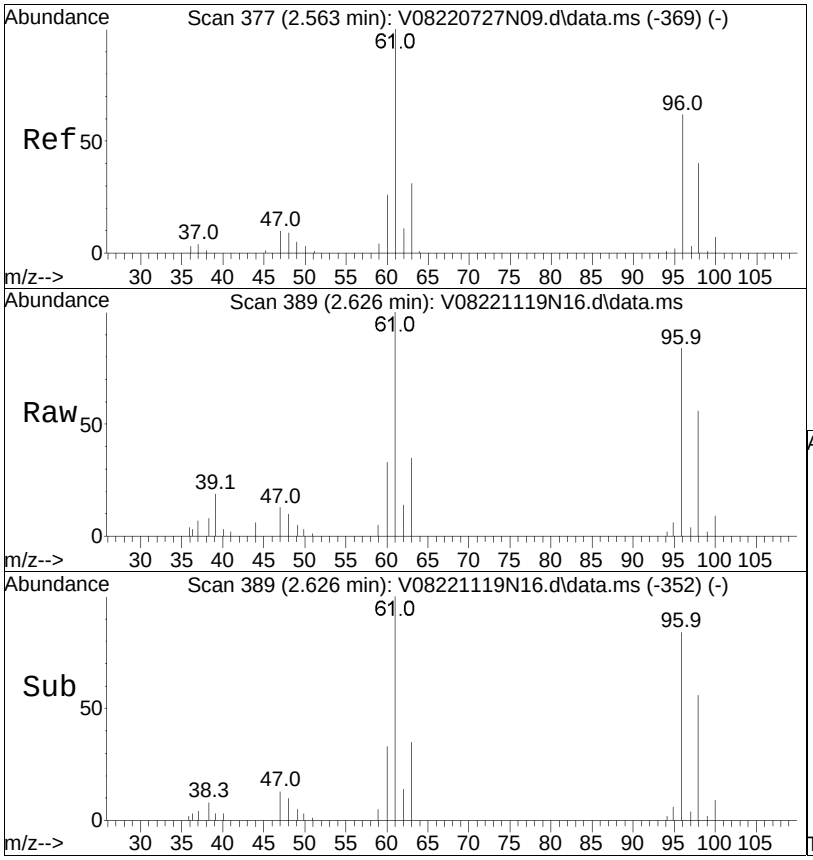


#17
Acetone
Concen: 1.04 ug/L
RT: 2.542 min Scan# 373
Delta R.T. 0.005 min
Lab File: V08221119N16.d
Acq: 20 Nov 2022 12:03 am

Tgt Ion: 43 Resp: 1247

Ion	Ratio	Lower	Upper
43	100		
58	14.0	24.2	36.4#

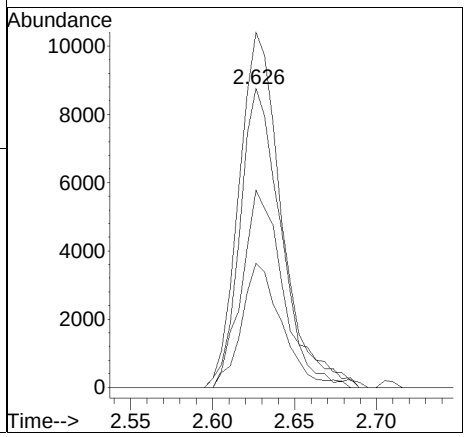


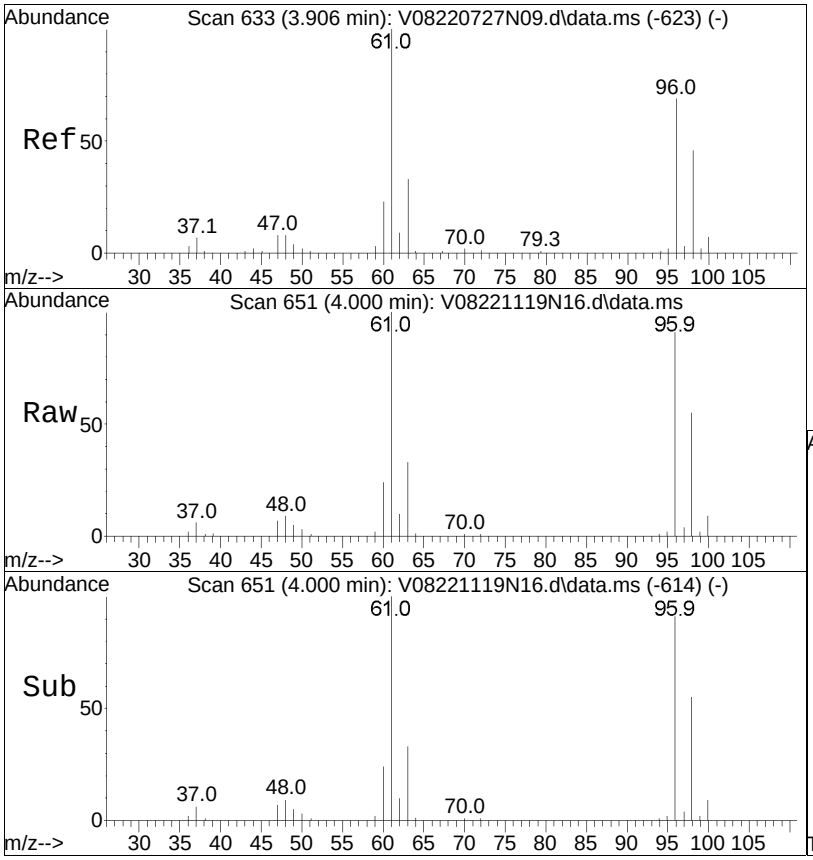


#18
trans-1,2-Dichloroethene
Concen: 3.74 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221119N16.d
Acq: 20 Nov 2022 12:03 am

Tgt Ion: 96 Resp: 15589

Ion	Ratio	Lower	Upper
96	100		
61	120.8	124.0	257.6#
98	65.1	41.2	85.6
63	40.2	38.4	79.7

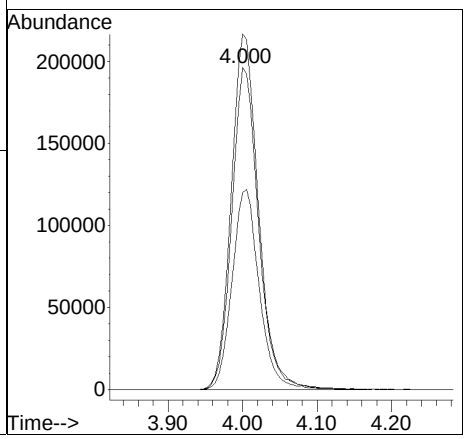


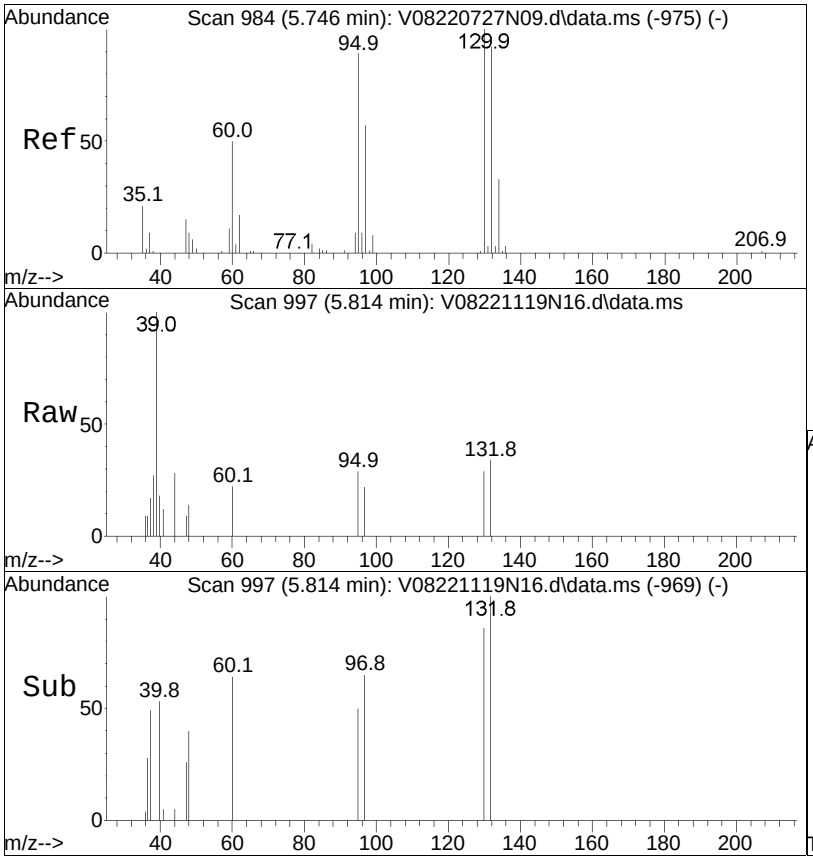


#28
cis-1,2-Dichloroethene
Concen: 101.87 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221119N16.d
Acq: 20 Nov 2022 12:03 am

Tgt Ion: 96 Resp: 490935

Ion	Ratio	Lower	Upper
96	100		
61	112.3	149.4	224.2#
98	62.9	53.4	80.2

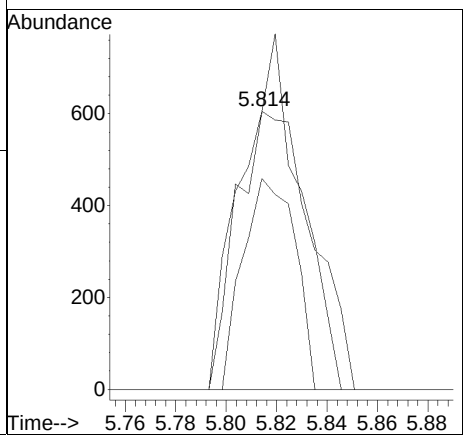




#48
Trichloroethene
Concen: 0.28 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N16.d
Acq: 20 Nov 2022 12:03 am

Tgt Ion: 95 Resp: 1302

Ion	Ratio	Lower	Upper
95	100		
97	50.8	55.5	83.3#
130	92.2	76.6	115.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N16.d	Operator	: VOA108:PID
Date Inj'd	: 11/20/2022 12:03 am	Instrument	: VOA 108
Sample	: L2263244-15D,31,4.0,10,,A	Quant Date	: 11/21/2022 11:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N17.d
Acq On : 20 Nov 2022 12:23 am
Operator : VOA108:PID
Sample : L2263244-16D,31,5.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:00:09 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	178502	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 90.00%		
59) Chlorobenzene-d5	8.572	117	136755	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 86.92%		
79) 1,4-Dichlorobenzene-d4	10.051	152	72514	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 82.60%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.656	113	56207	10.730 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.30%		
43) 1,2-Dichloroethane-d4	5.279	65	60235	10.931 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.31%		
60) Toluene-d8	7.303	98	168521	10.192 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.92%		
83) 4-Bromofluorobenzene	9.385	95	54713	9.942 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.42%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.190	62	234261	58.101 ug/L	94
5) Bromomethane	1.415	94	129	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.971	96	2476	0.465 ug/L #	56
11) Carbon disulfide	1.976	76	478	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	2.532	43	1682	1.355 ug/L #	83
18) trans-1,2-Dichloroethene	2.632	96	23542	5.458 ug/L #	65
19) Methyl acetate	2.590	43	62	N.D.	
20) Methyl tert-butyl ether	2.789	73	166	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.005	96	547501	109.854 ug/L #	63
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	4.262	56	105	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N17.d
Acq On : 20 Nov 2022 12:23 am
Operator : VOA108:PID
Sample : L2263244-16D,31,5.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:00:09 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.839	43	138	N.D.		
41) Benzene	5.112	78	1190	0.072	ug/L #	66
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	5.814	95	907	0.188	ug/L #	57
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.350	92	281	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.	d	
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.577	43	59	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.572	91	396	N.D.		
76) p/m Xylene	8.729	106	213	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	9.385	105	141	N.D.		
87) 1,1,2,2-Tetrachloroethane	9.385	83	48	N.D.		
100) 1,3-Dichlorobenzene	10.009	146	51	N.D.		
101) 1,4-Dichlorobenzene	10.051	146	131	N.D.		
104) 1,2-Dichlorobenzene	10.292	146	215	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

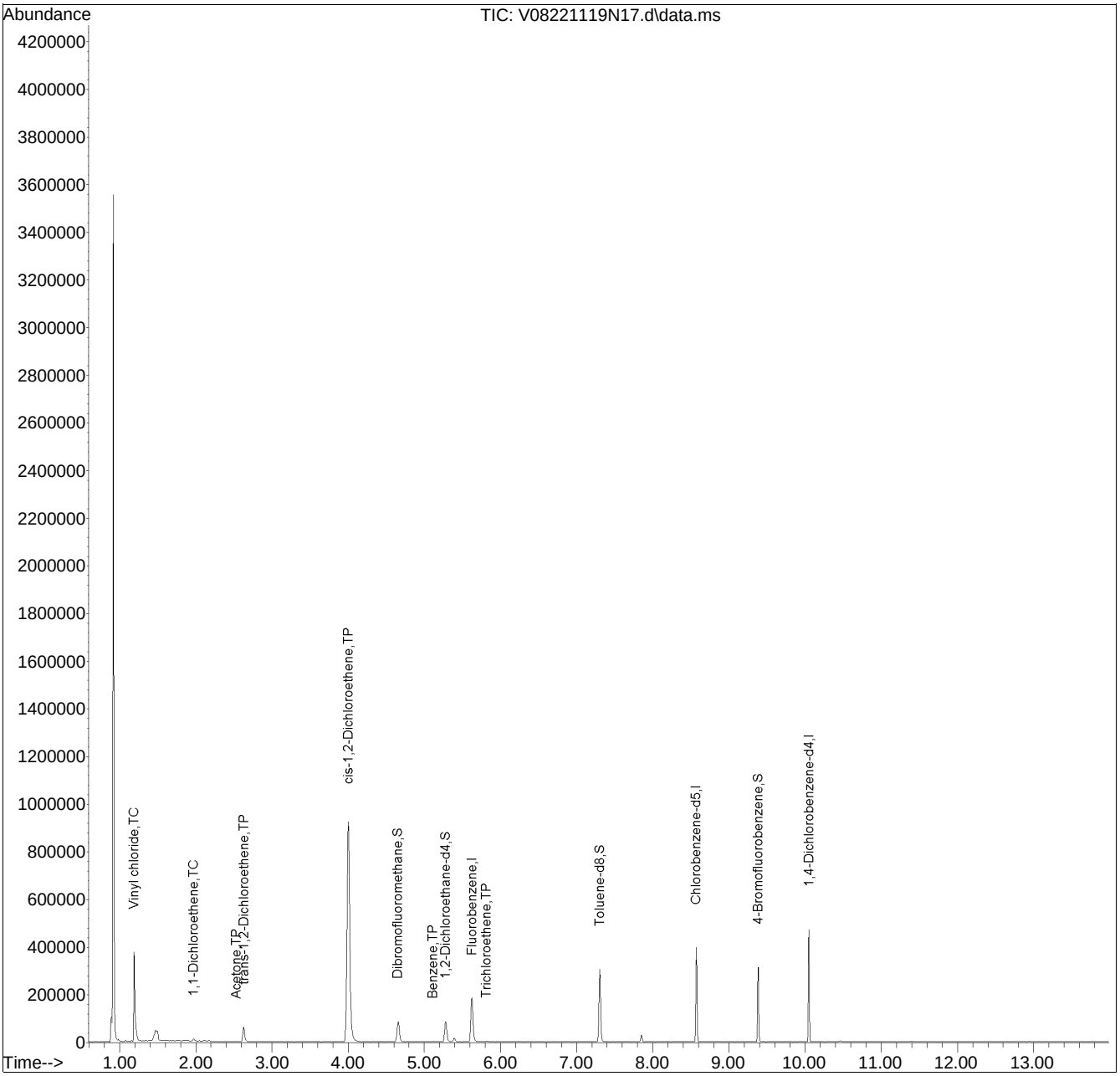
(#) = qualifier out of range (m) = manual integration (+) = signals summed

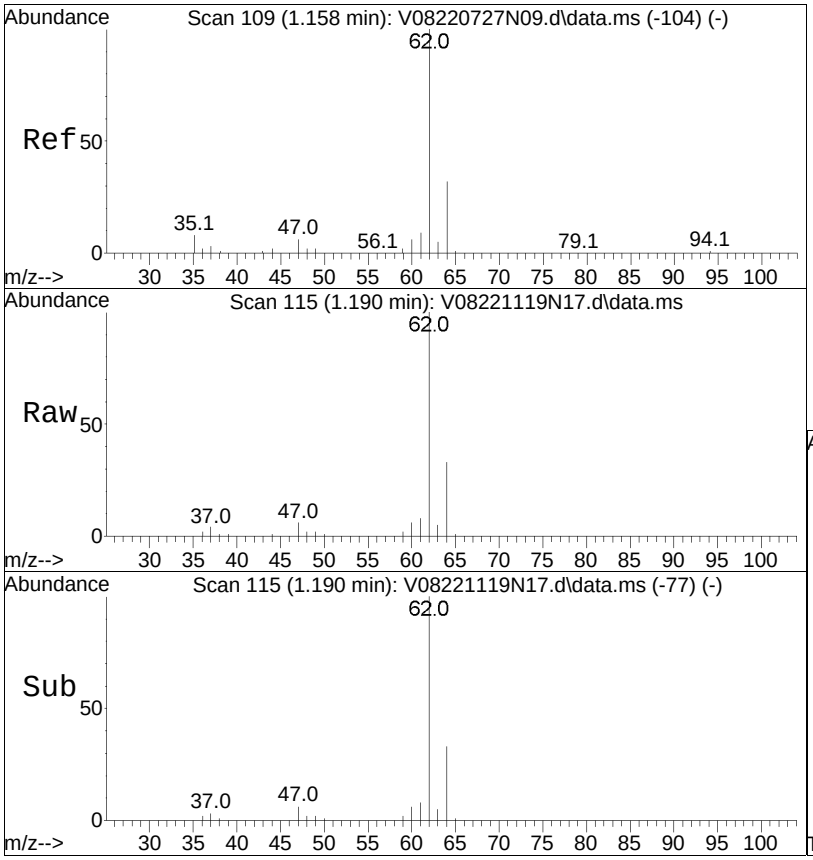
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N17.d
Acq On : 20 Nov 2022 12:23 am
Operator : VOA108:PID
Sample : L2263244-16D,31,5.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:00:09 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

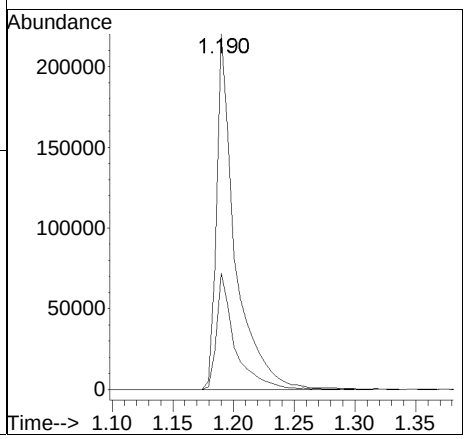


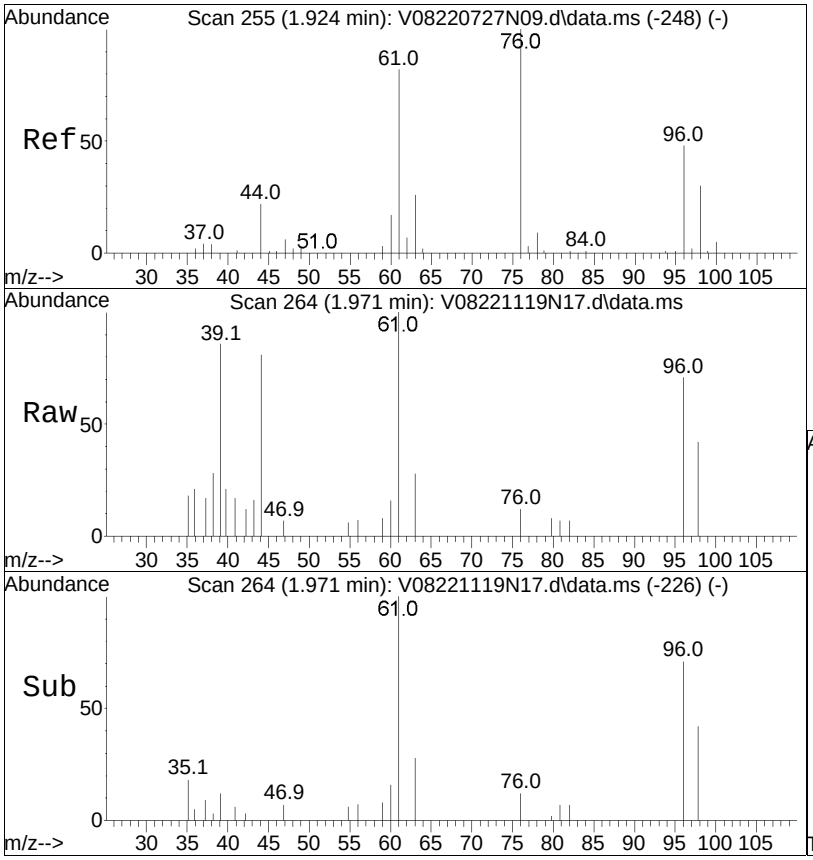


#4
Vinyl chloride
Concen: 58.10 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N17.d
Acq: 20 Nov 2022 12:23 am

Tgt Ion: 62 Resp: 234261

Ion	Ratio	Lower	Upper
62	100		
64	32.2	9.1	49.1

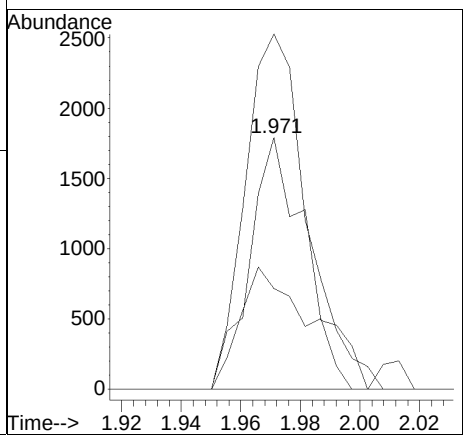


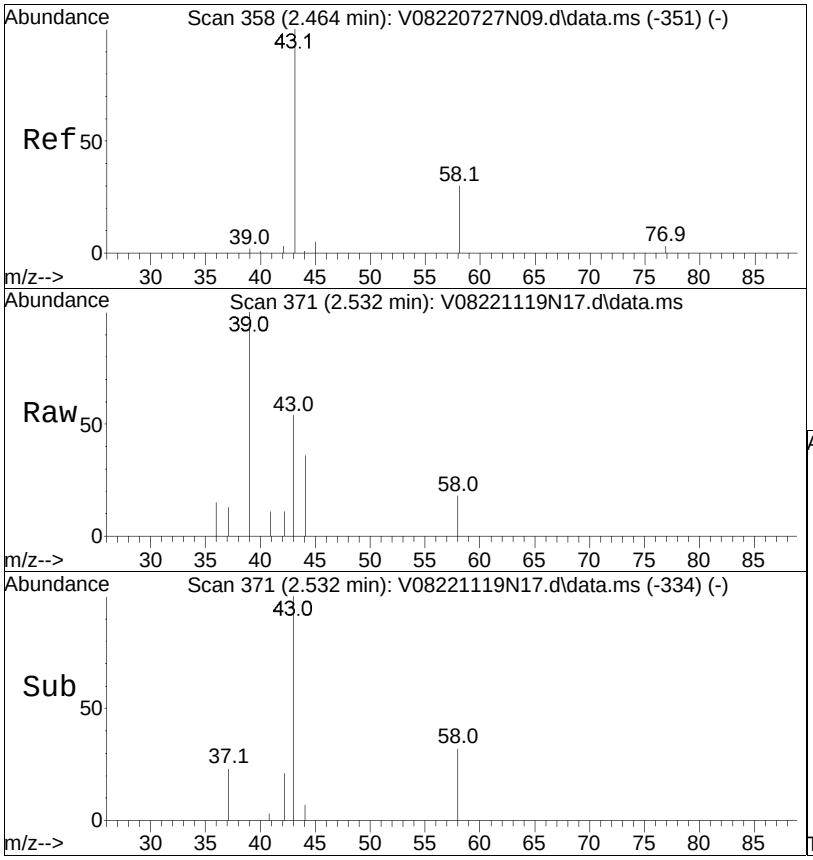


#10
1,1-Dichloroethene
Concen: 0.47 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221119N17.d
Acq: 20 Nov 2022 12:23 am

Tgt Ion: 96 Resp: 2476

Ion	Ratio	Lower	Upper
96	100		
61	147.9	186.1	279.1#
63	52.8	57.6	86.4#

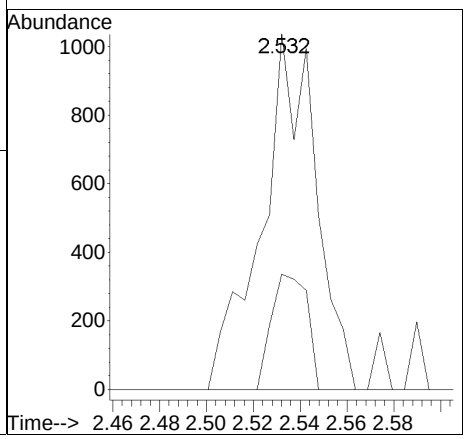


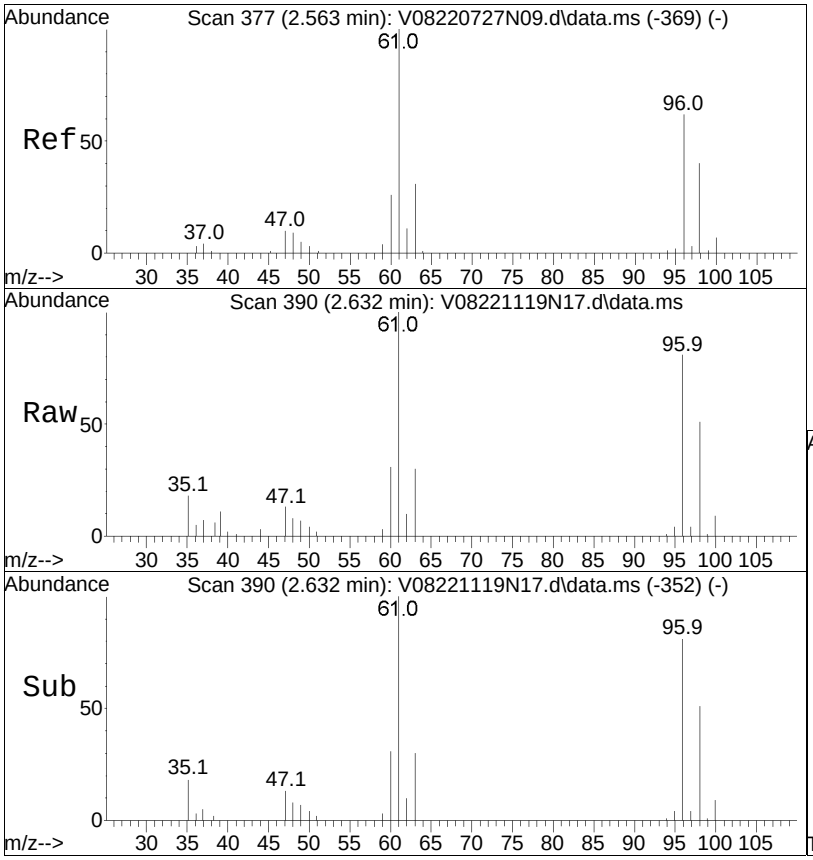


#17
Acetone
Concen: 1.36 ug/L
RT: 2.532 min Scan# 371
Delta R.T. -0.005 min
Lab File: V08221119N17.d
Acq: 20 Nov 2022 12:23 am

Tgt Ion: 43 Resp: 1682

Ion	Ratio	Lower	Upper
43	100		
58	21.2	24.2	36.4#

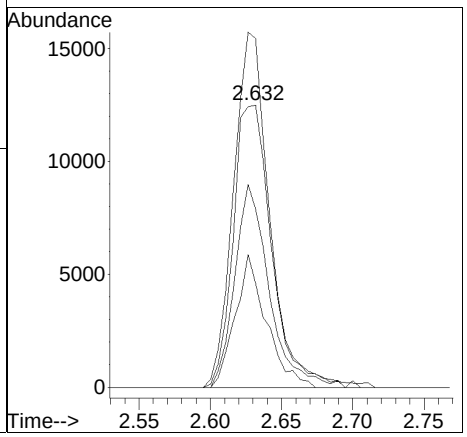


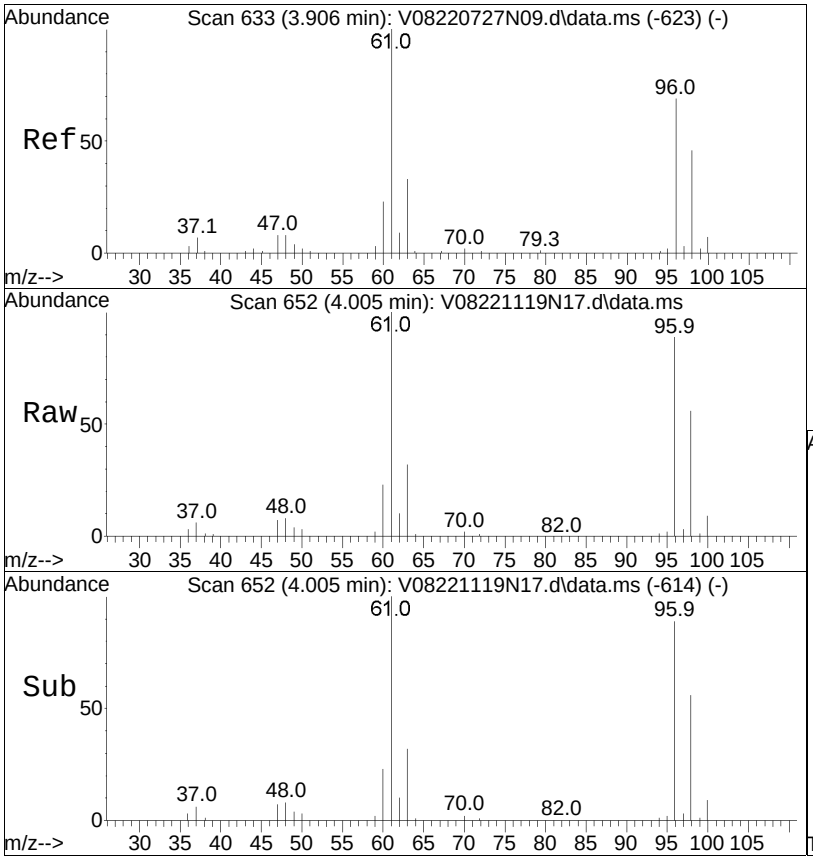


#18
trans-1,2-Dichloroethene
Concen: 5.46 ug/L
RT: 2.632 min Scan# 390
Delta R.T. 0.000 min
Lab File: V08221119N17.d
Acq: 20 Nov 2022 12:23 am

Tgt Ion: 96 Resp: 23542

Ion	Ratio	Lower	Upper
96	100		
61	118.6	124.0	257.6#
98	64.4	41.2	85.6
63	38.1	38.4	79.7#

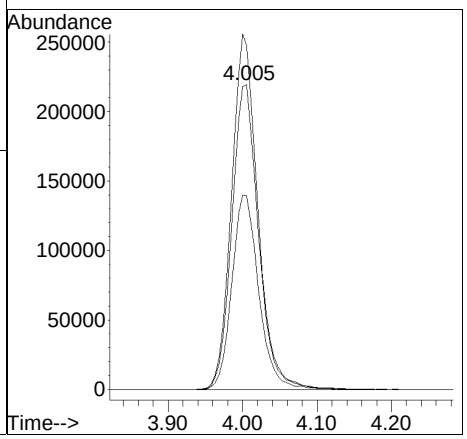


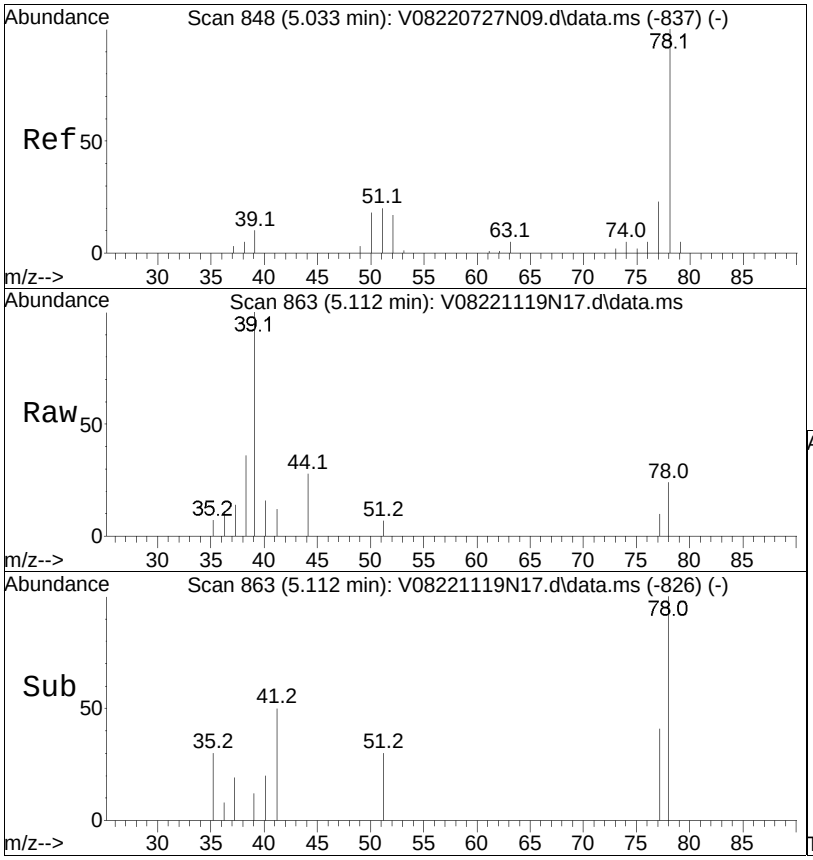


#28
cis-1,2-Dichloroethene
Concen: 109.85 ug/L
RT: 4.005 min Scan# 652
Delta R.T. 0.000 min
Lab File: V08221119N17.d
Acq: 20 Nov 2022 12:23 am

Tgt Ion: 96 Resp: 547501

Ion	Ratio	Lower	Upper
96	100		
61	114.8	149.4	224.2#
98	64.2	53.4	80.2

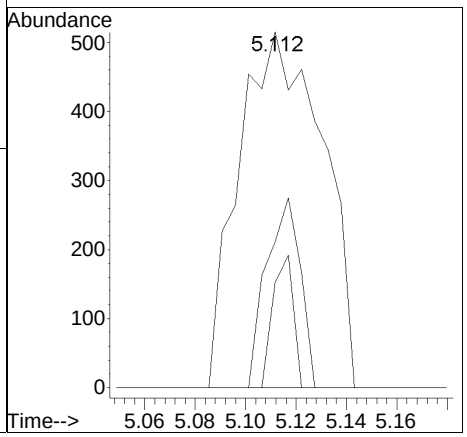


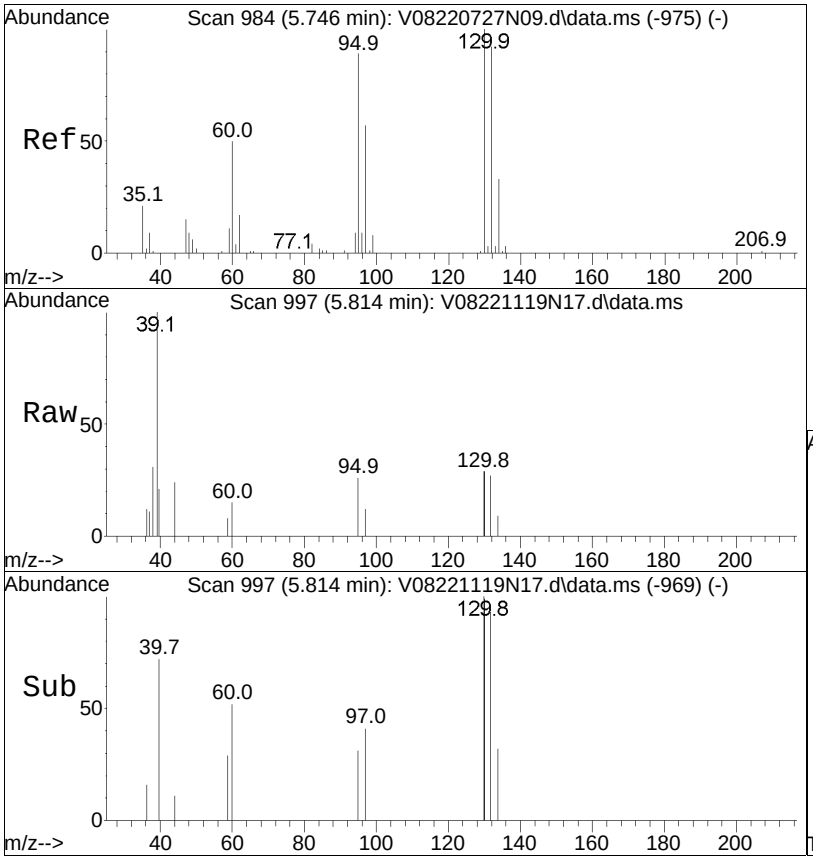


#41
Benzene
Concen: 0.07 ug/L
RT: 5.112 min Scan# 863
Delta R.T. -0.005 min
Lab File: V08221119N17.d
Acq: 20 Nov 2022 12:23 am

Tgt Ion: 78 Resp: 1190

Ion	Ratio	Lower	Upper
78	100		
77	21.6	15.7	32.7
51	0.0	16.0	33.2#
52	0.0	15.3	31.9#

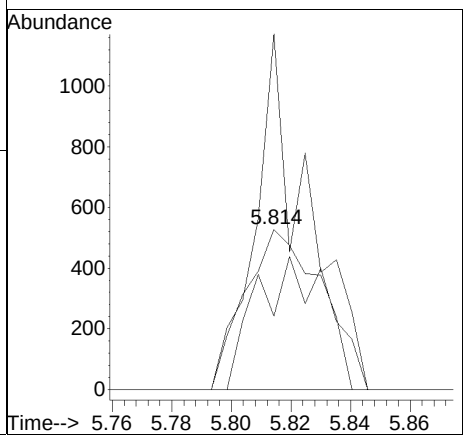




#48
Trichloroethene
Concen: 0.19 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N17.d
Acq: 20 Nov 2022 12:23 am

Tgt Ion: 95 Resp: 907

Ion	Ratio	Lower	Upper
95	100		
97	81.7	55.5	83.3
130	157.2	76.6	115.0#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N17.d	Operator	: VOA108:PID
Date Inj'd	: 11/20/2022 12:23 am	Instrument	: VOA 108
Sample	: L2263244-16D,31,5.0,10,,A	Quant Date	: 11/21/2022 11:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N18.d
Acq On : 20 Nov 2022 12:43 am
Operator : VOA108:PID
Sample : L2263244-17D,31,2.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 21 12:03:13 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	173443	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 87.45%		
59) Chlorobenzene-d5	8.572	117	130010	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 82.63%		
79) 1,4-Dichlorobenzene-d4	10.050	152	62368	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 71.04%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.655	113	54629	10.733 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.33%		
43) 1,2-Dichloroethane-d4	5.279	65	58118	10.854 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.54%		
60) Toluene-d8	7.303	98	160244	10.194 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.94%		
83) 4-Bromofluorobenzene	9.385	95	48069	10.155 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.55%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.896	85	64	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	1.190	62	1079	0.275 ug/L	90
5) Bromomethane	1.410	94	52	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.971	96	603	0.117 ug/L #	18
11) Carbon disulfide	1.981	76	317	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	2.632	96	16954	4.045 ug/L #	66
19) Methyl acetate	2.673	43	49	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	4.005	96	409115	84.482 ug/L #	62
30) Bromochloromethane	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.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N18.d
Acq On : 20 Nov 2022 12:43 am
Operator : VOA108:PID
Sample : L2263244-17D,31,2.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 21 12:03:13 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.870	43	47	N.D.		
41) Benzene	5.122	78	98	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.	d	
48) Trichloroethene	5.814	95	623033	132.633	ug/L	87
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.355	92	911	0.091	ug/L #	72
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.702	166	1674	0.351	ug/L	83
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	8.446	43	61	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.724	91	437	N.D.		
76) p/m Xylene	8.729	106	108	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.		
87) 1,1,2,2-Tetrachloroethane	9.521	83	58	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	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	11.130	180	50	N.D.		
111) 1,2,3-Trichlorobenzene	11.408	180	62	N.D.		

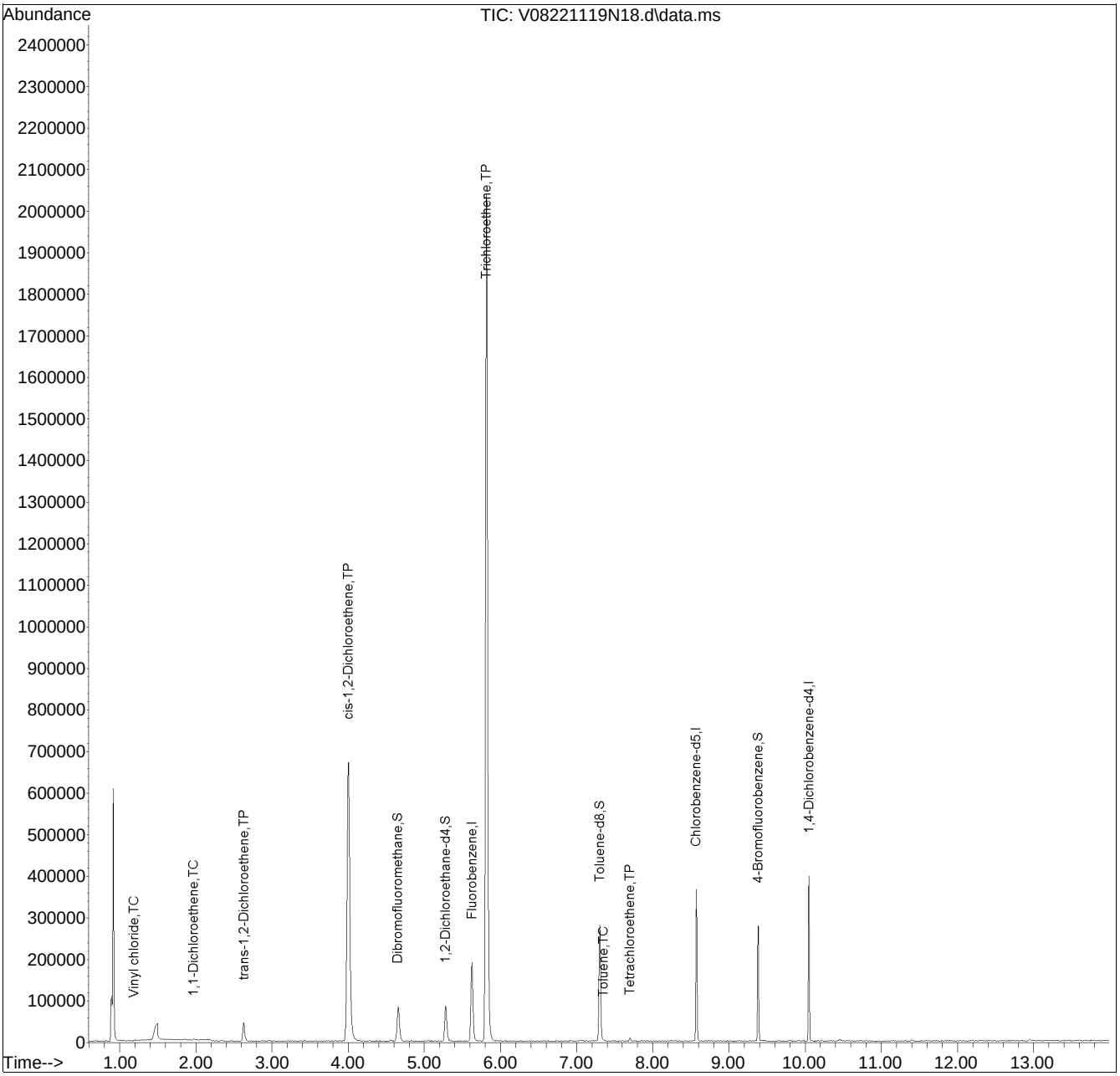
(#) = qualifier out of range (m) = manual integration (+) = signals summed

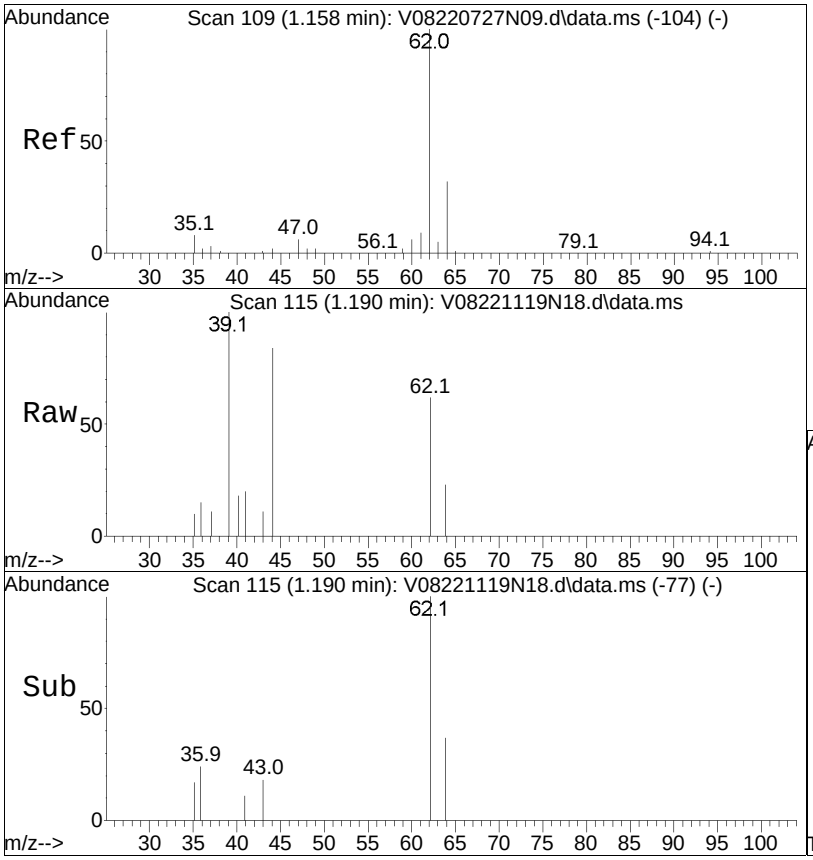
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N18.d
Acq On : 20 Nov 2022 12:43 am
Operator : VOA108:PID
Sample : L2263244-17D,31,2.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 21 12:03:13 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

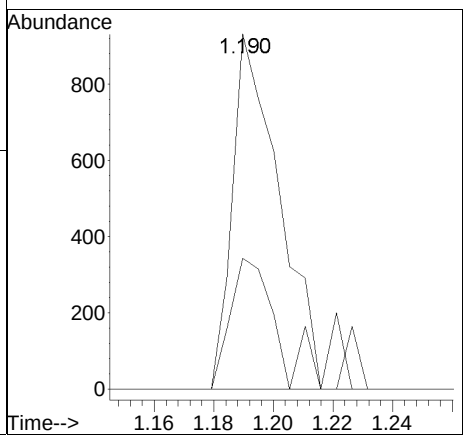


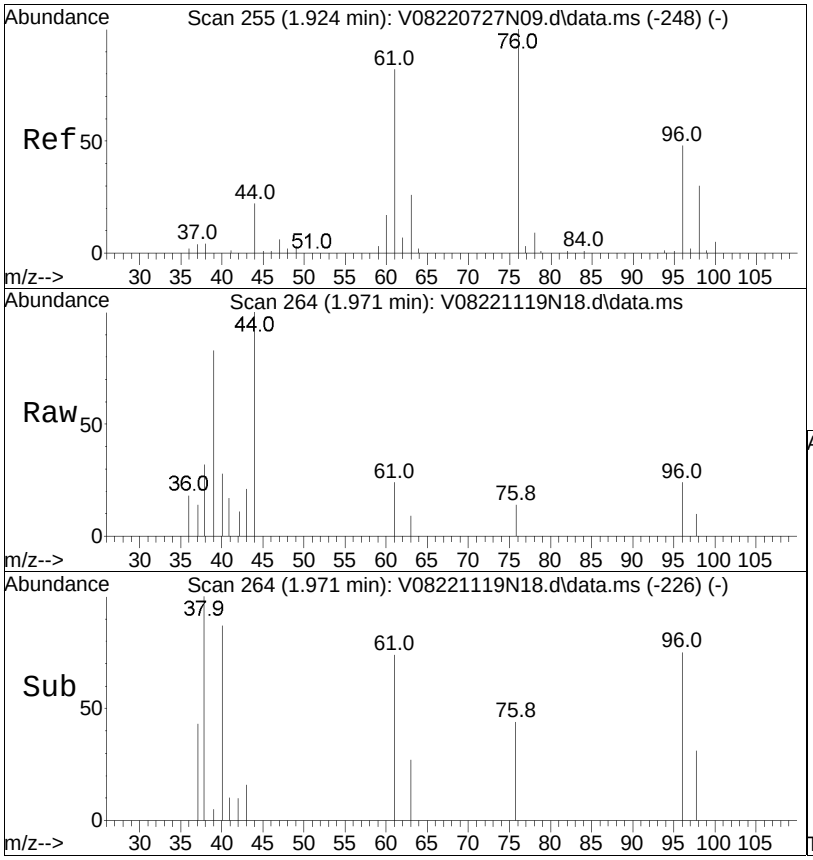


#4
Vinyl chloride
Concen: 0.28 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N18.d
Acq: 20 Nov 2022 12:43 am

Tgt Ion: 62 Resp: 1079

Ion	Ratio	Lower	Upper
62	100		
64	34.5	9.1	49.1

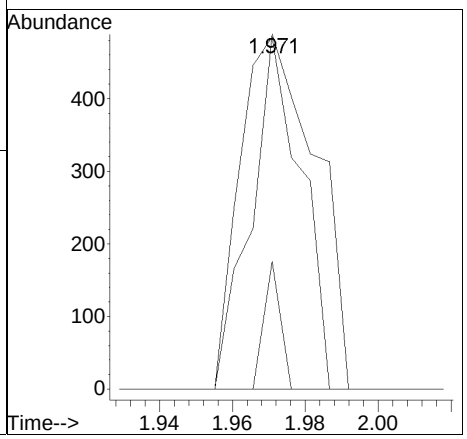


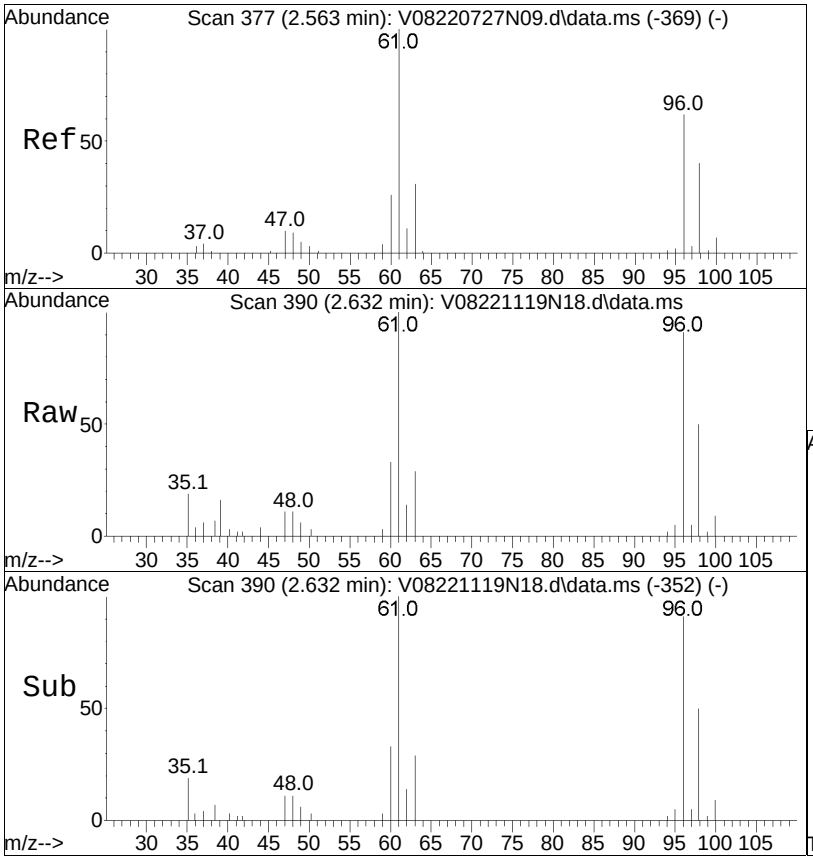


#10
1,1-Dichloroethene
Concen: 0.12 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221119N18.d
Acq: 20 Nov 2022 12:43 am

Tgt Ion: 96 Resp: 603

Ion	Ratio	Lower	Upper
96	100		
61	93.2	186.1	279.1#
63	9.1	57.6	86.4#

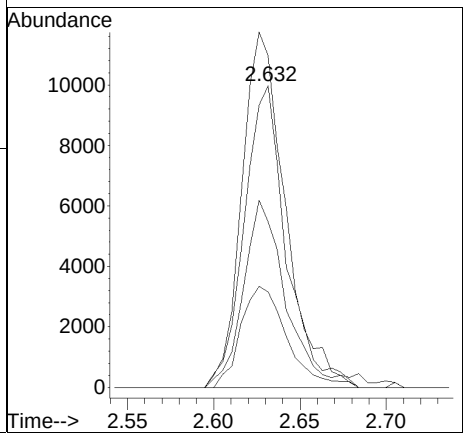


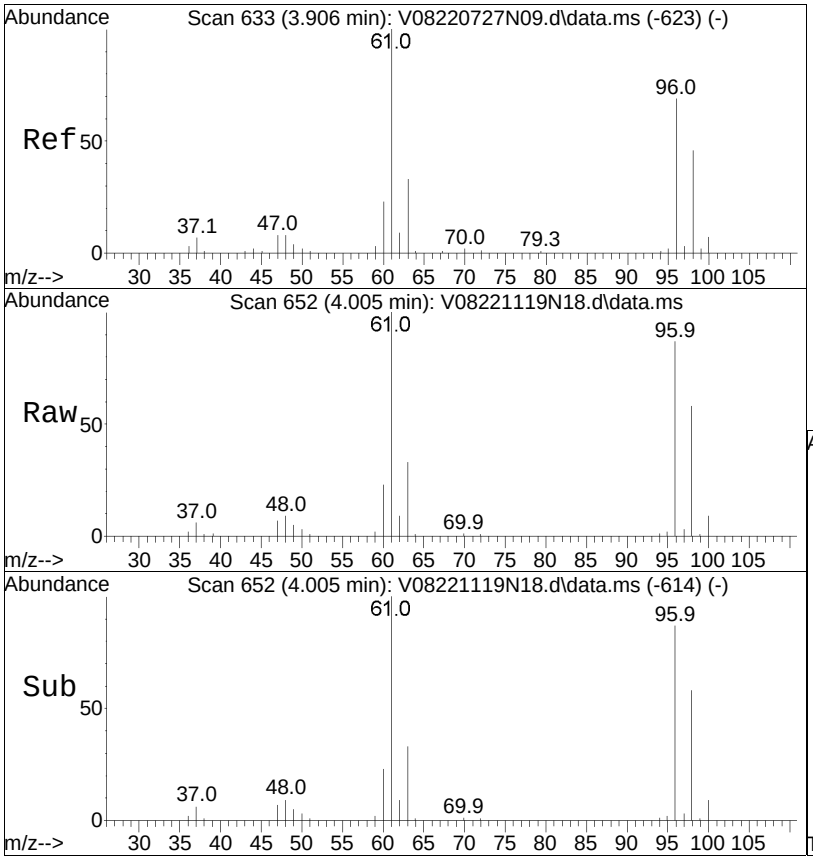


#18
trans-1,2-Dichloroethene
Concen: 4.05 ug/L
RT: 2.632 min Scan# 390
Delta R.T. 0.000 min
Lab File: V08221119N18.d
Acq: 20 Nov 2022 12:43 am

Tgt Ion: 96 Resp: 16954

Ion	Ratio	Lower	Upper
96	100		
61	124.1	124.0	257.6
98	62.2	41.2	85.6
63	36.8	38.4	79.7#

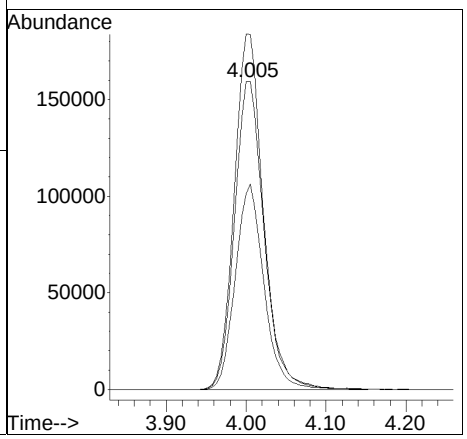


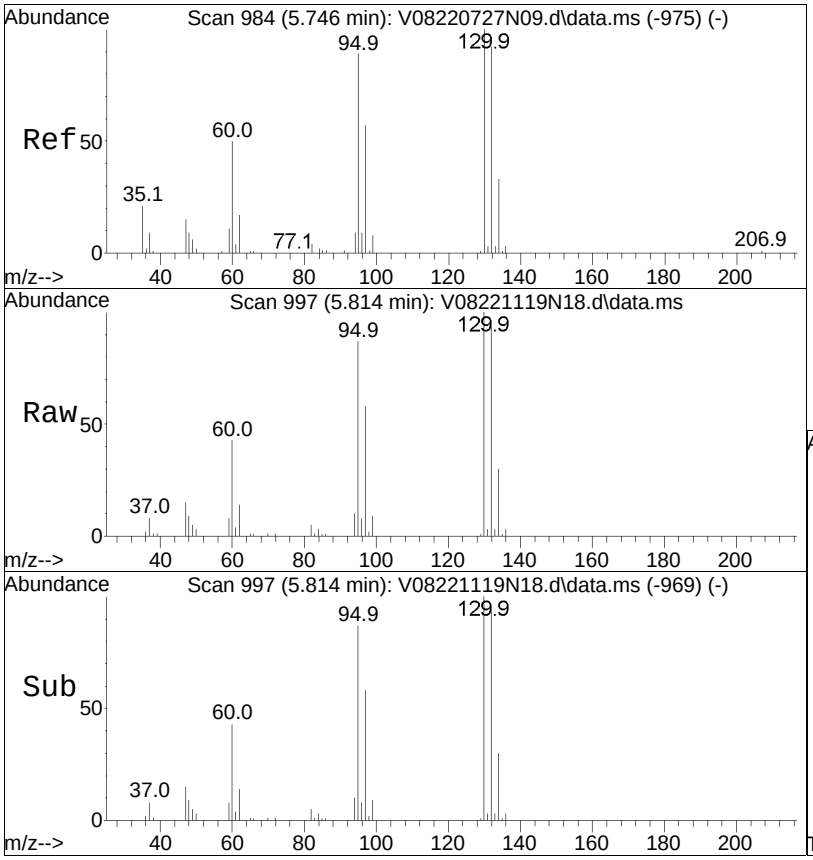


#28
cis-1,2-Dichloroethene
Concen: 84.48 ug/L
RT: 4.005 min Scan# 652
Delta R.T. 0.000 min
Lab File: V08221119N18.d
Acq: 20 Nov 2022 12:43 am

Tgt Ion: 96 Resp: 409115

Ion	Ratio	Lower	Upper
96	100		
61	113.9	149.4	224.2#
98	64.7	53.4	80.2

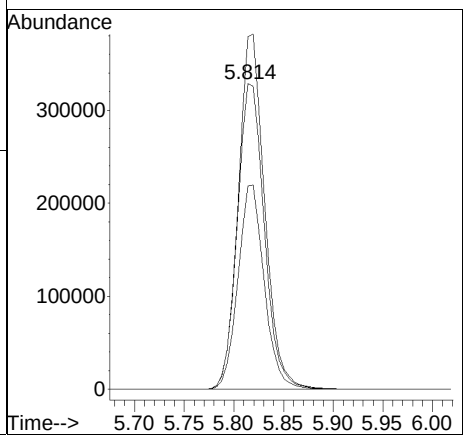


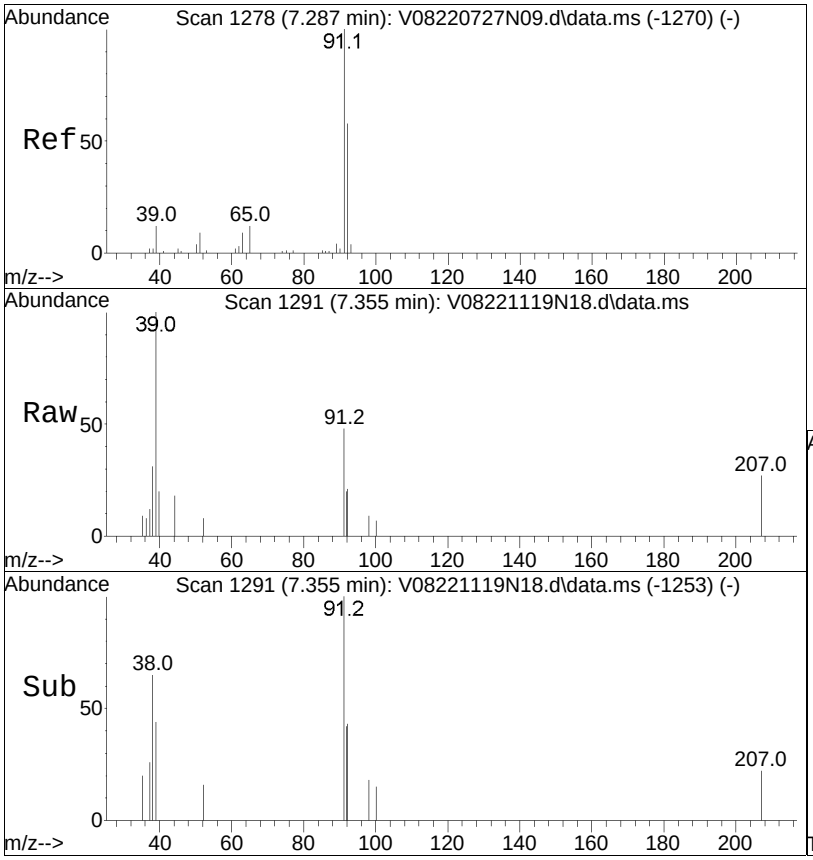


#48
Trichloroethene
Concen: 132.63 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N18.d
Acq: 20 Nov 2022 12:43 am

Tgt Ion: 95 Resp: 623033

Ion	Ratio	Lower	Upper
95	100		
97	65.1	55.5	83.3
130	113.6	76.6	115.0

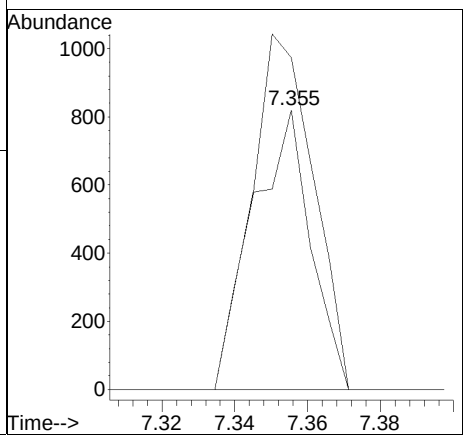


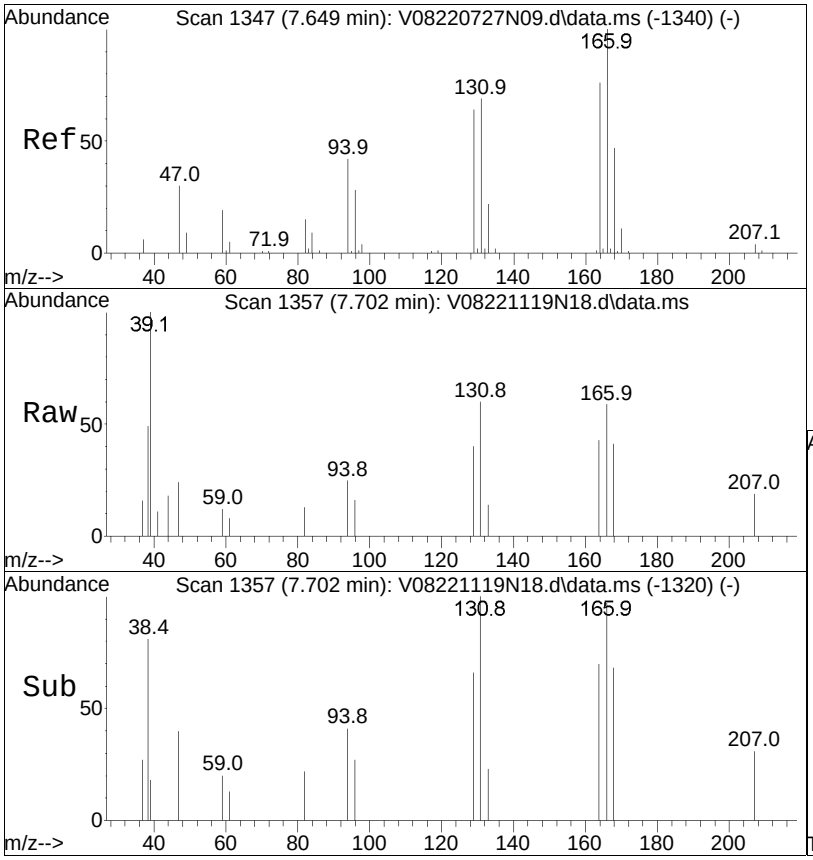


#61
Toluene
Concen: 0.09 ug/L
RT: 7.355 min Scan# 1291
Delta R.T. 0.000 min
Lab File: V08221119N18.d
Acq: 20 Nov 2022 12:43 am

Tgt Ion: 92 Resp: 911

Ion	Ratio	Lower	Upper
92	100		
91	135.7	139.8	209.6#

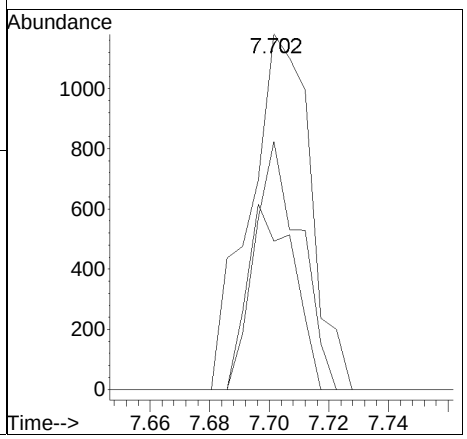




#63
Tetrachloroethene
Concen: 0.35 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. -0.005 min
Lab File: V08221119N18.d
Acq: 20 Nov 2022 12:43 am

Tgt Ion:166 Resp: 1674

Ion	Ratio	Lower	Upper
166	100		
168	52.5	28.2	68.2
94	39.8	38.4	78.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N18.d	Operator	: VOA108:PID
Date Inj'd	: 11/20/2022 12:43 am	Instrument	: VOA 108
Sample	: L2263244-17D,31,2.0,10,,A	Quant Date	: 11/21/2022 11:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N20.d
Acq On : 20 Nov 2022 1:23 am
Operator : VOA108:PID
Sample : L2263244-19D,31,0.2,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 21 12:04:17 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	169874	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 85.65%		
59) Chlorobenzene-d5	8.572	117	136920	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 87.02%		
79) 1,4-Dichlorobenzene-d4	10.050	152	71278	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 81.19%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.661	113	53816	10.795 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.95%		
43) 1,2-Dichloroethane-d4	5.284	65	58735	11.200 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.00%		
60) Toluene-d8	7.303	98	161117	9.733 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.33%		
83) 4-Bromofluorobenzene	9.385	95	52329	9.673 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.73%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.891	85	126	N.D.	
3) Chloromethane	1.200	50	195	N.D.	
4) Vinyl chloride	1.190	62	23892	6.227 ug/L	94
5) Bromomethane	1.415	94	50	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.971	96	2536	0.501 ug/L #	60
11) Carbon disulfide	1.976	76	342	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	2.548	43	498	0.422 ug/L #	66
18) trans-1,2-Dichloroethene	2.626	96	5629	1.371 ug/L #	64
19) Methyl acetate	2.673	43	86	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	3.172	63	57	N.D.	
28) cis-1,2-Dichloroethene	4.005	96	526991	111.109 ug/L #	62
30) Bromochloromethane	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.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N20.d
Acq On : 20 Nov 2022 1:23 am
Operator : VOA108:PID
Sample : L2263244-19D,31,0.2,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 21 12:04:17 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.860	43	53	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	5.363	62	97	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.	d	
48) Trichloroethene	5.814	95	60109	13.065	ug/L #	86
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.707	166	342	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	8.493	43	47	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.567	91	132	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.		
87) 1,1,2,2-Tetrachloroethane	9.521	83	473	0.094	ug/L #	90
100) 1,3-Dichlorobenzene	10.056	146	166	N.D.		
101) 1,4-Dichlorobenzene	10.056	146	166	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.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

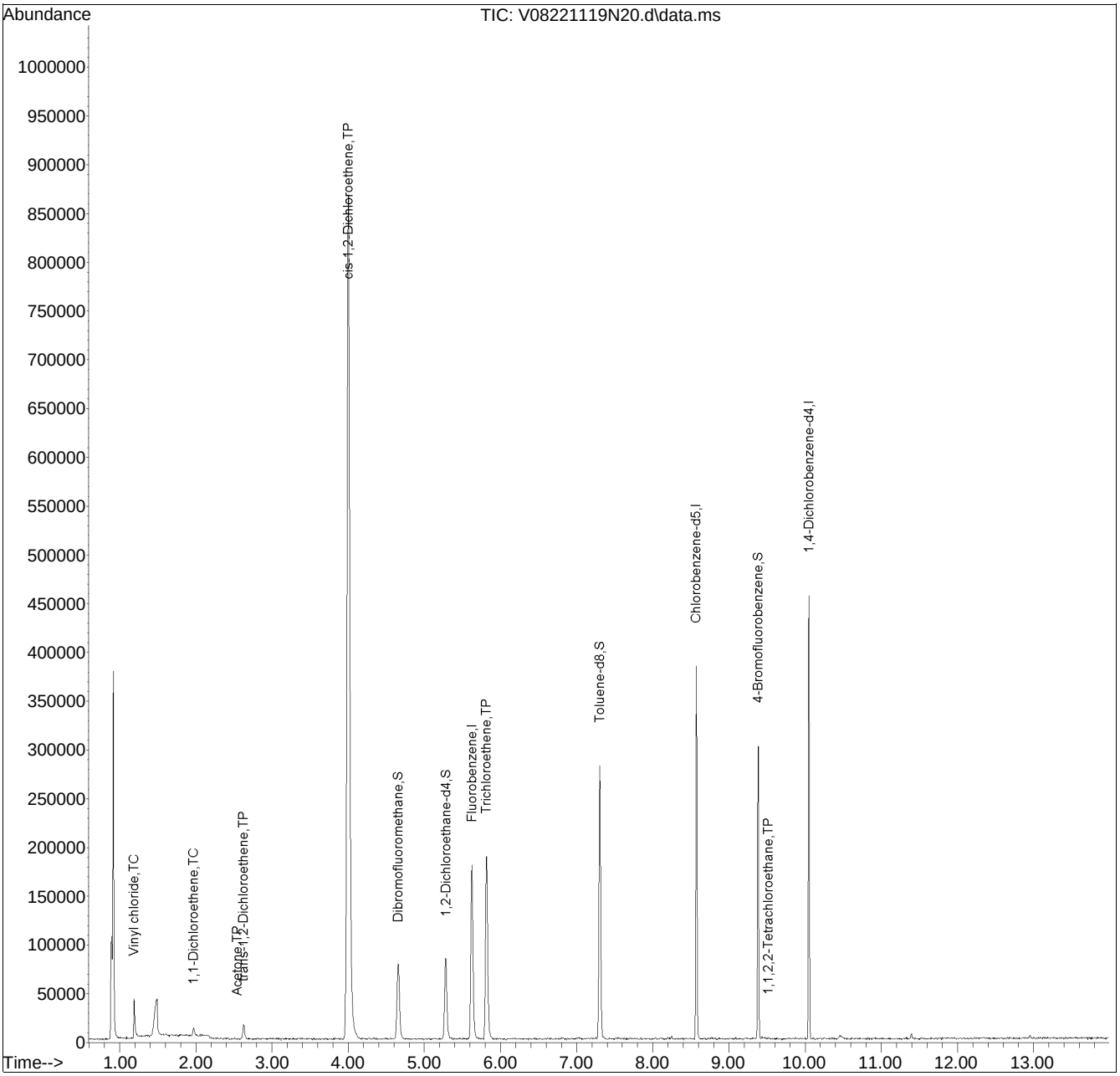
(#) = qualifier out of range (m) = manual integration (+) = signals summed

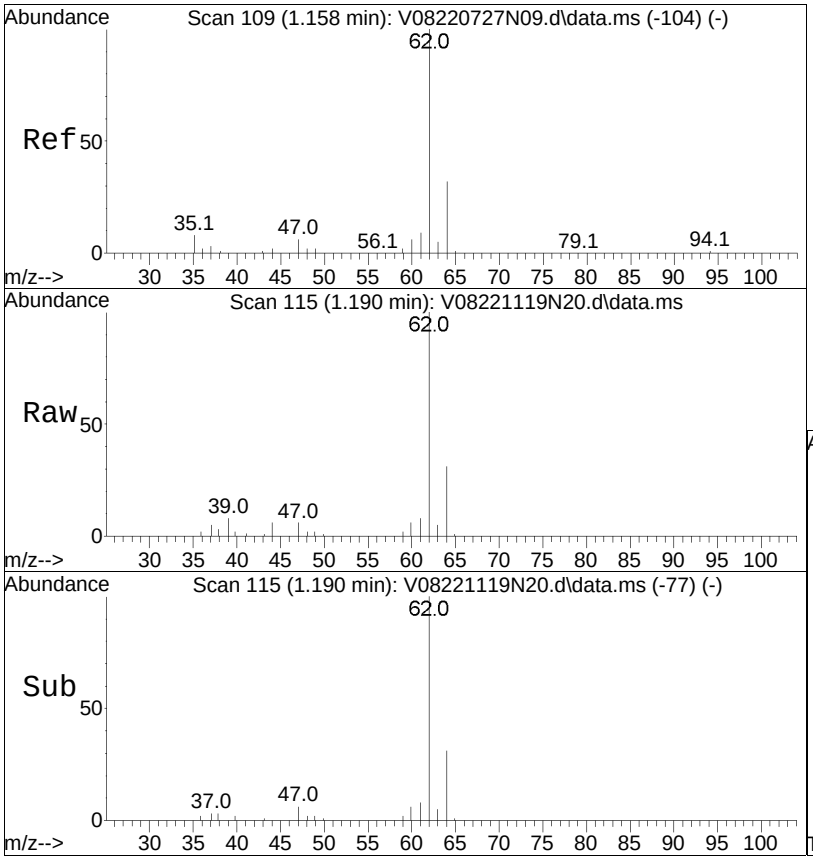
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N20.d
Acq On : 20 Nov 2022 1:23 am
Operator : VOA108:PID
Sample : L2263244-19D,31,0.2,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 21 12:04:17 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

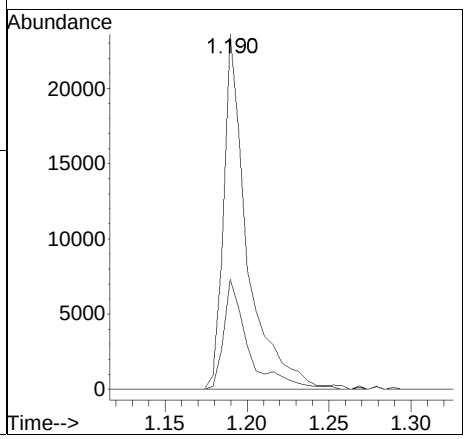


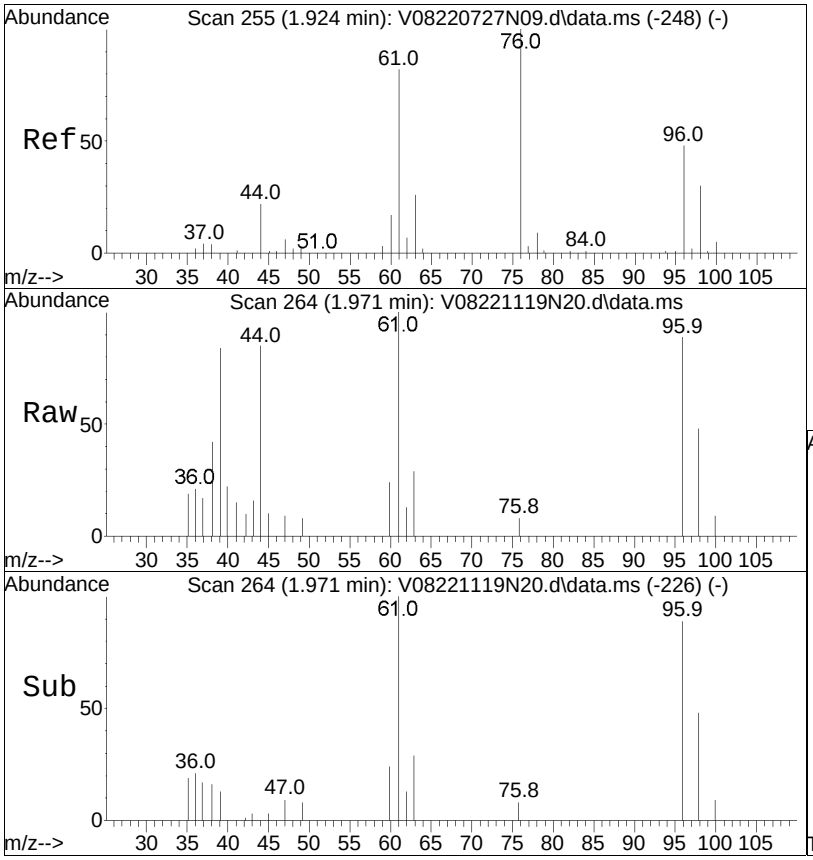


#4
Vinyl chloride
Concen: 6.23 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N20.d
Acq: 20 Nov 2022 1:23 am

Tgt Ion: 62 Resp: 23892

Ion	Ratio	Lower	Upper
62	100		
64	32.3	9.1	49.1

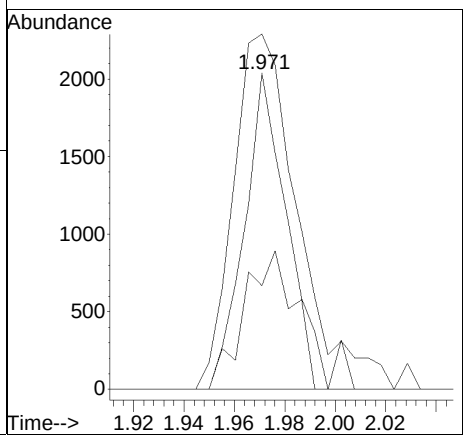


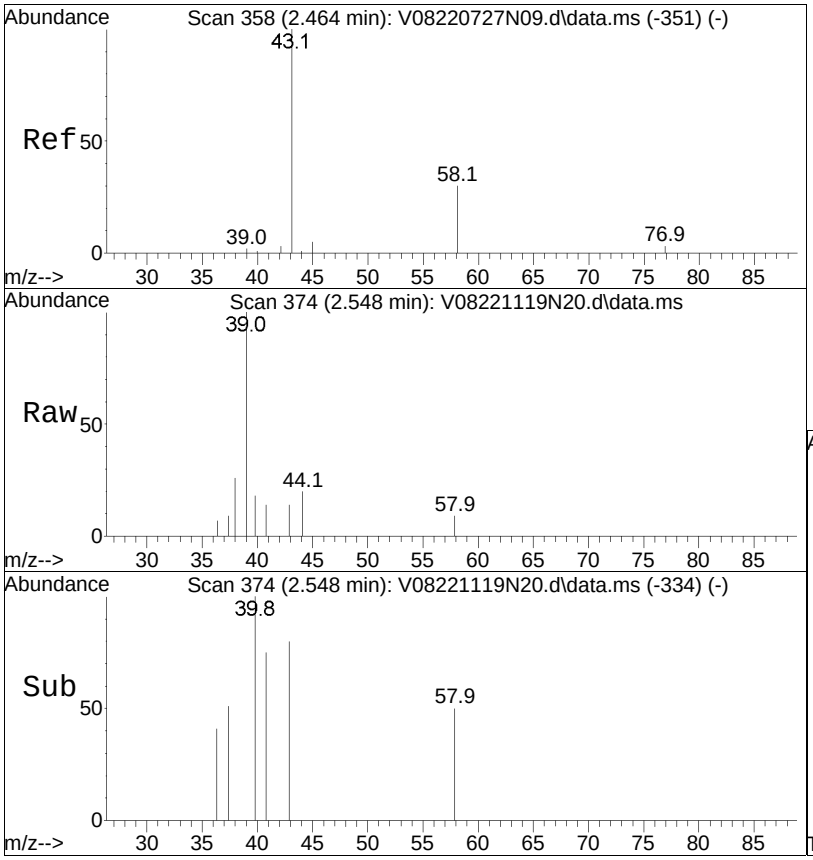


#10
1,1-Dichloroethene
Concen: 0.50 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221119N20.d
Acq: 20 Nov 2022 1:23 am

Tgt Ion: 96 Resp: 2536

Ion	Ratio	Lower	Upper
96	100		
61	161.0	186.1	279.1#
63	47.9	57.6	86.4#

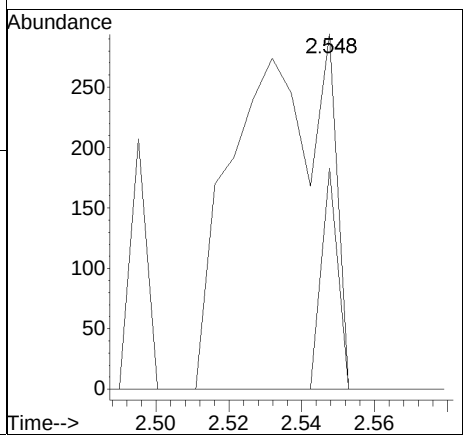


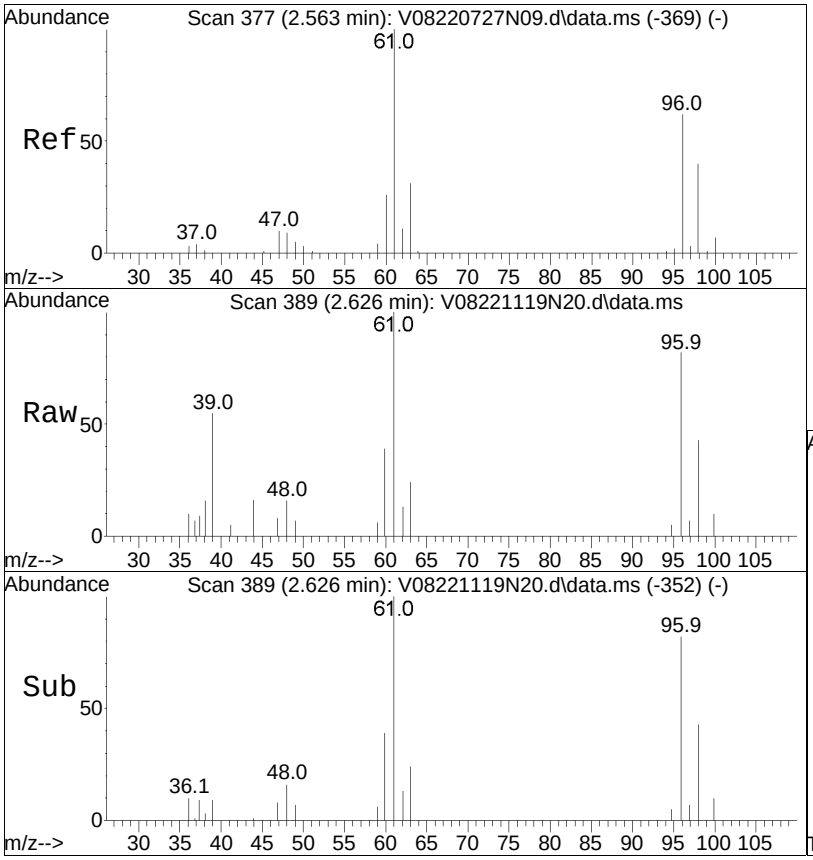


#17
Acetone
Concen: 0.42 ug/L
RT: 2.548 min Scan# 374
Delta R.T. 0.011 min
Lab File: V08221119N20.d
Acq: 20 Nov 2022 1:23 am

Tgt Ion: 43 Resp: 498

Ion	Ratio	Lower	Upper
43	100		
58	11.6	24.2	36.4#

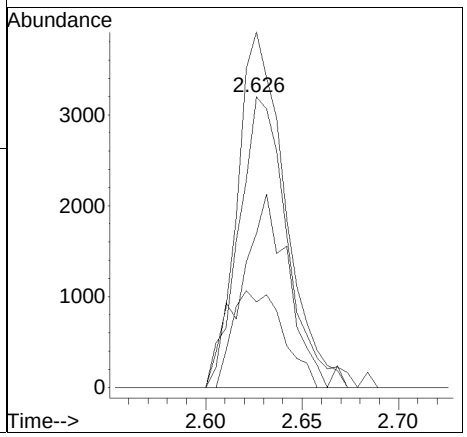


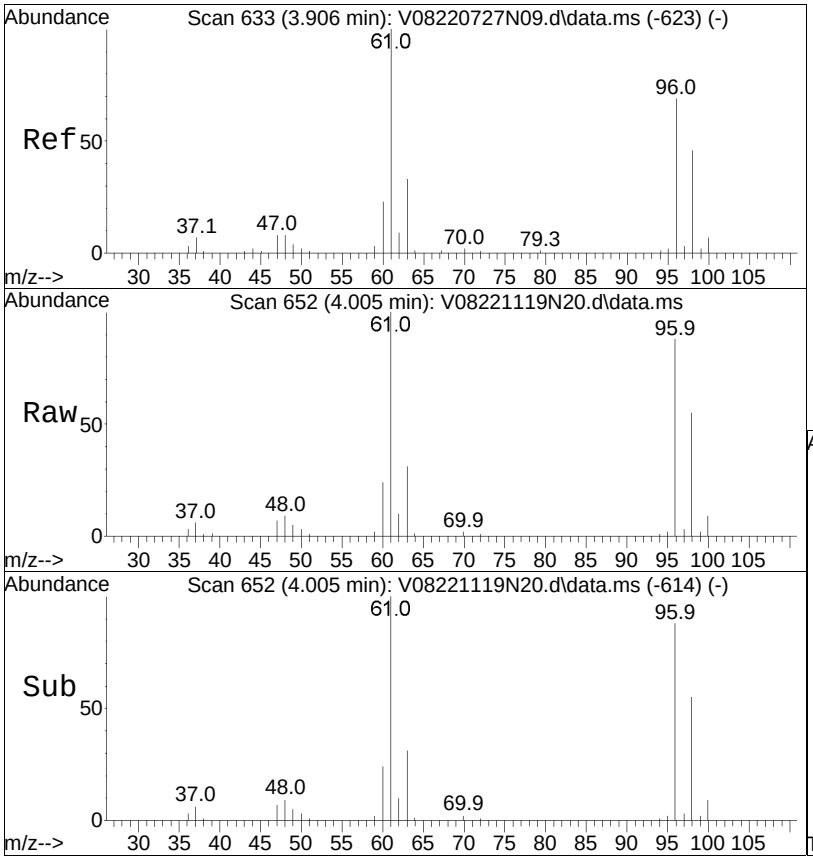


#18
trans-1,2-Dichloroethene
Concen: 1.37 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221119N20.d
Acq: 20 Nov 2022 1:23 am

Tgt Ion: 96 Resp: 5629

Ion	Ratio	Lower	Upper
96	100		
61	119.8	124.0	257.6#
98	65.5	41.2	85.6
63	34.7	38.4	79.7#

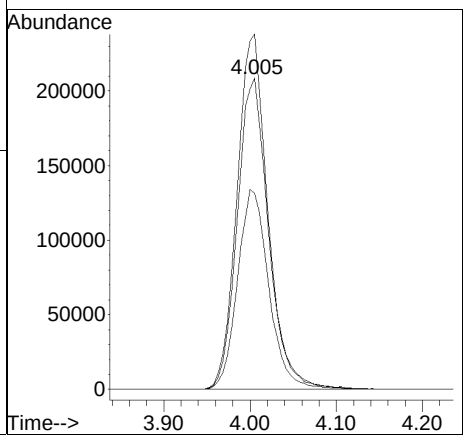


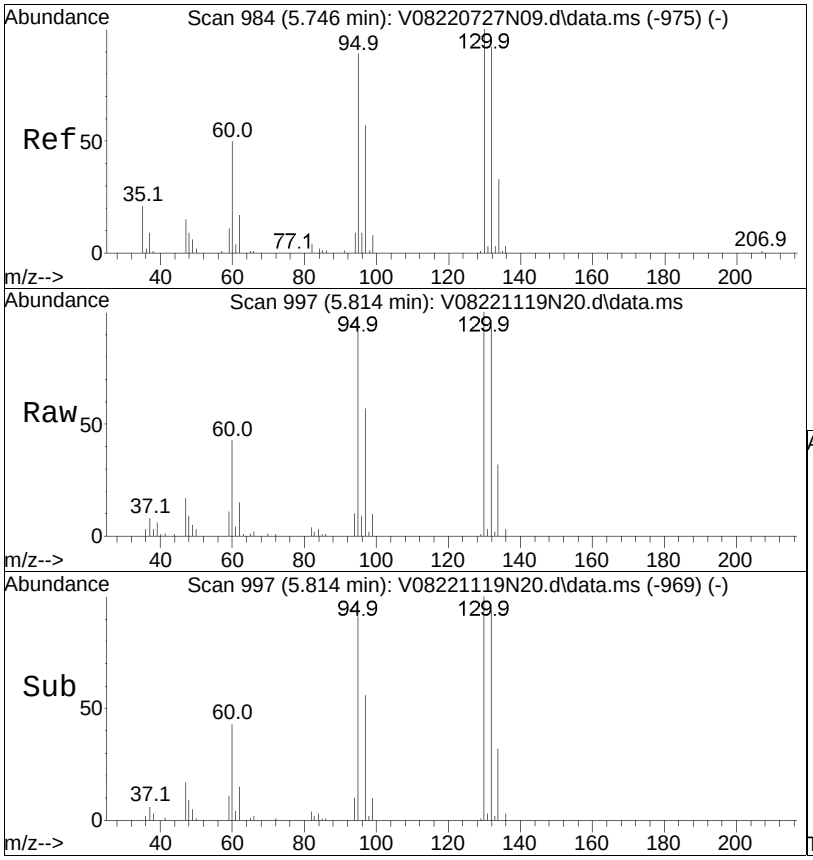


#28
cis-1,2-Dichloroethene
Concen: 111.11 ug/L
RT: 4.005 min Scan# 652
Delta R.T. 0.000 min
Lab File: V08221119N20.d
Acq: 20 Nov 2022 1:23 am

Tgt Ion: 96 Resp: 526991

Ion	Ratio	Lower	Upper
96	100		
61	112.9	149.4	224.2#
98	64.4	53.4	80.2

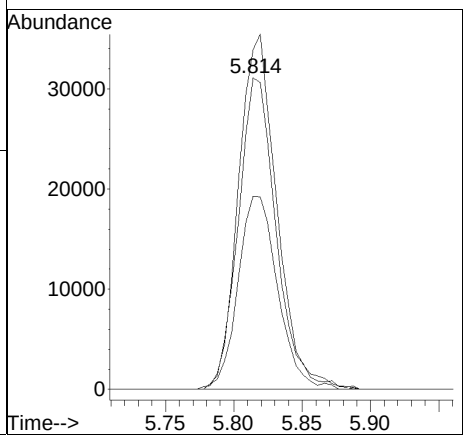


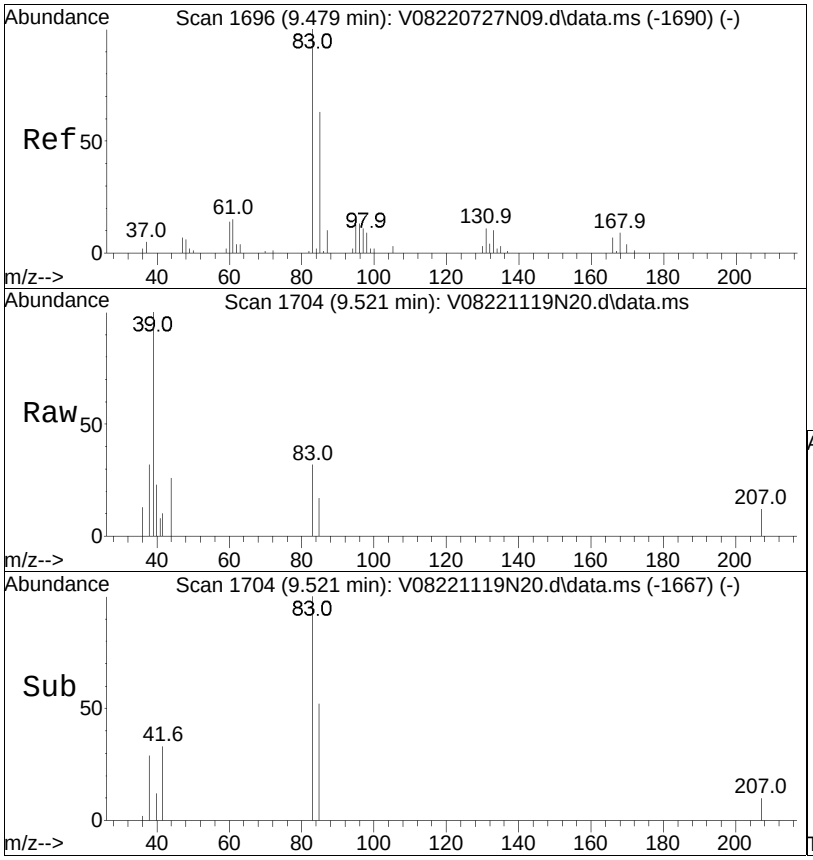


#48
Trichloroethene
Concen: 13.06 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N20.d
Acq: 20 Nov 2022 1:23 am

Tgt Ion: 95 Resp: 60109

Ion	Ratio	Lower	Upper
95	100		
97	64.8	55.5	83.3
130	115.1	76.6	115.0#

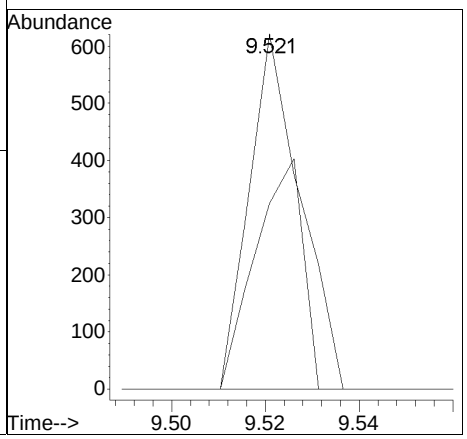




#87
1,1,2,2-Tetrachloroethane
Concen: 0.09 ug/L
RT: 9.521 min Scan# 1704
Delta R.T. -0.005 min
Lab File: V08221119N20.d
Acq: 20 Nov 2022 1:23 am

Tgt Ion: 83 Resp: 473

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	30.4
85	60.0	45.4	85.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N20.d	Operator	: VOA108:PID
Date Inj'd	: 11/20/2022 1:23 am	Instrument	: VOA 108
Sample	: L2263244-19D,31,0.2,10,,A	Quant Date	: 11/21/2022 11:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N21.d
Acq On : 20 Nov 2022 1:43 am
Operator : VOA108:PID
Sample : L2263244-20D,31,4.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 21 12:05:28 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	173457	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 87.45%		
59) Chlorobenzene-d5	8.572	117	137571	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 87.44%		
79) 1,4-Dichlorobenzene-d4	10.050	152	75656	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 86.18%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.655	113	55294	10.862 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.62%		
43) 1,2-Dichloroethane-d4	5.279	65	58354	10.898 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.98%		
60) Toluene-d8	7.303	98	168182	10.111 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.11%		
83) 4-Bromofluorobenzene	9.384	95	53901	9.387 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.87%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	1.190	62	12332	3.148 ug/L	92
5) Bromomethane	1.441	94	111	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.971	96	1876	0.363 ug/L #	50
11) Carbon disulfide	1.987	76	51	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	2.474	84	54	N.D.	
17) Acetone	2.537	43	743	0.616 ug/L #	73
18) trans-1,2-Dichloroethene	2.626	96	4070	0.971 ug/L #	64
19) Methyl acetate	2.584	43	124	N.D.	
20) Methyl tert-butyl ether	2.763	73	416	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.000	96	637047	131.539 ug/L #	62
30) Bromochloromethane	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.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N21.d
Acq On : 20 Nov 2022 1:43 am
Operator : VOA108:PID
Sample : L2263244-20D,31,4.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 21 12:05:28 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.807	43	52	N.D.		
41) Benzene	5.117	78	930	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.	d	
48) Trichloroethene	5.814	95	152224	32.403	ug/L #	86
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	7.848	83	128	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.399	43	52	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.572	91	329	N.D.		
76) p/m Xylene	8.729	106	66	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	9.049	104	61	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.384	105	145	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	10.061	146	229	N.D.		
101) 1,4-Dichlorobenzene	10.061	146	229	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	11.125	180	127	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

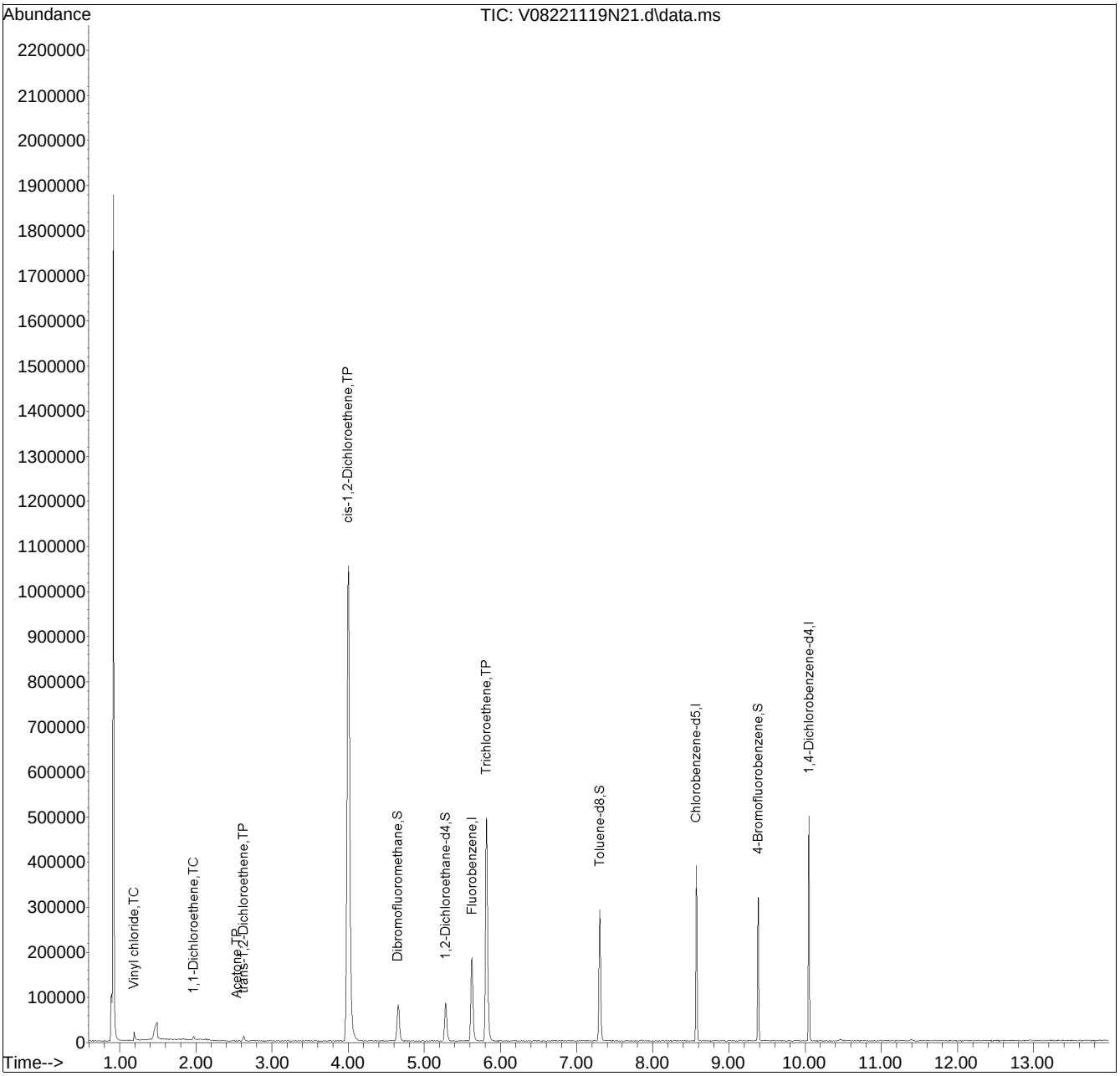
(#) = qualifier out of range (m) = manual integration (+) = signals summed

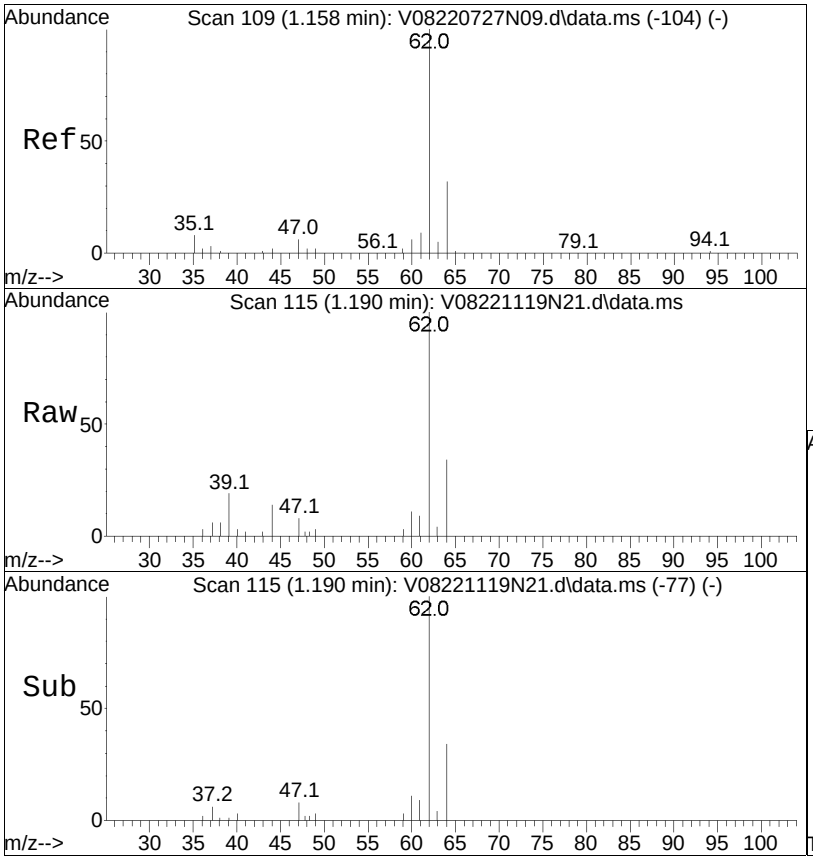
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N21.d
Acq On : 20 Nov 2022 1:43 am
Operator : VOA108:PID
Sample : L2263244-20D,31,4.0,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 21 12:05:28 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

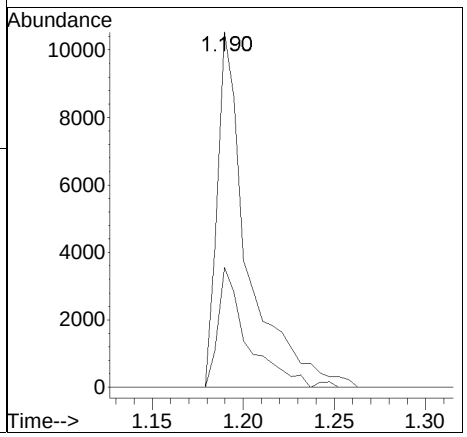


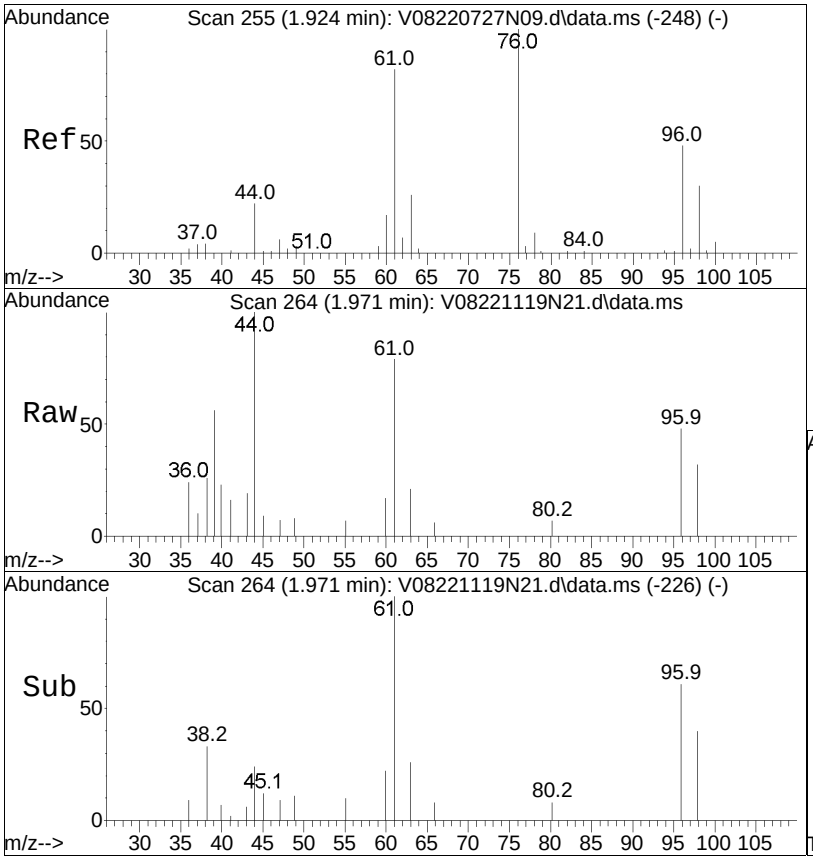


#4
Vinyl chloride
Concen: 3.15 ug/L
RT: 1.190 min Scan# 115
Delta R.T. -0.000 min
Lab File: V08221119N21.d
Acq: 20 Nov 2022 1:43 am

Tgt Ion: 62 Resp: 12332

Ion	Ratio	Lower	Upper
62	100		
64	33.1	9.1	49.1

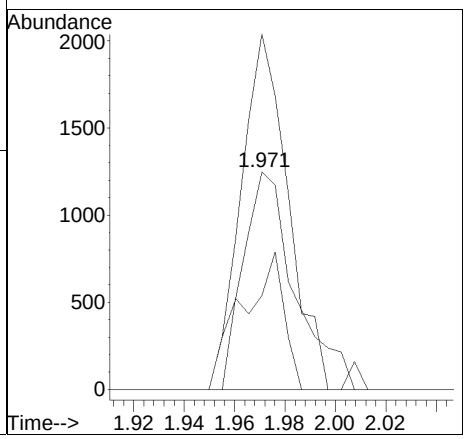


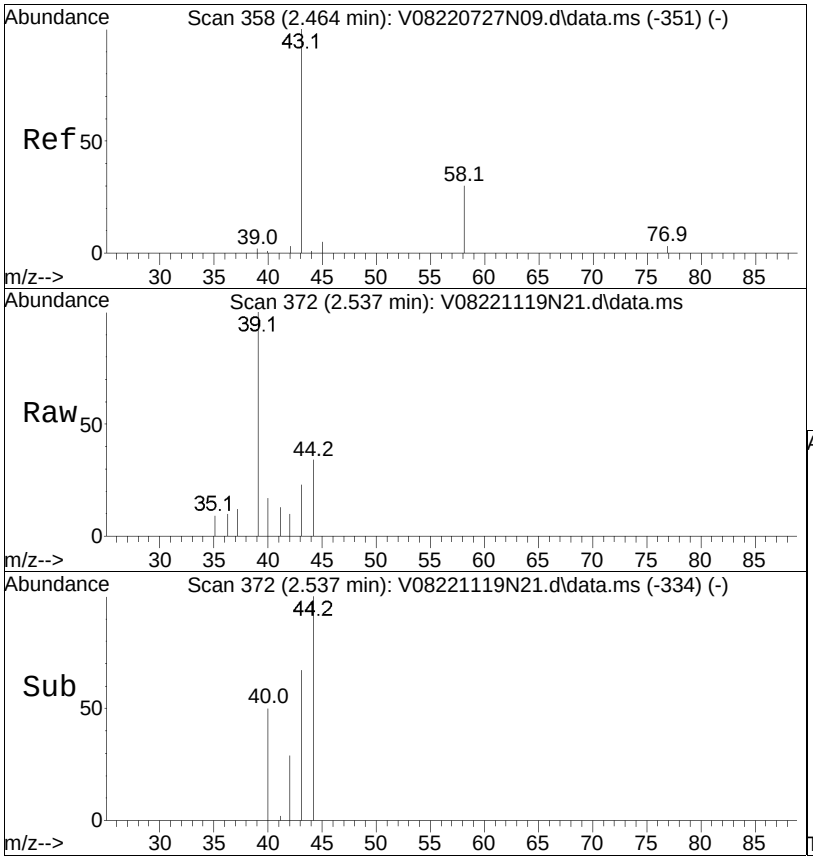


#10
1,1-Dichloroethene
Concen: 0.36 ug/L
RT: 1.971 min Scan# 264
Delta R.T. -0.000 min
Lab File: V08221119N21.d
Acq: 20 Nov 2022 1:43 am

Tgt Ion: 96 Resp: 1876

Ion	Ratio	Lower	Upper
96	100		
61	141.0	186.1	279.1#
63	43.3	57.6	86.4#

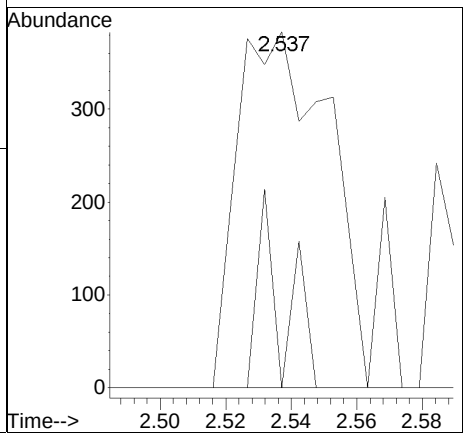


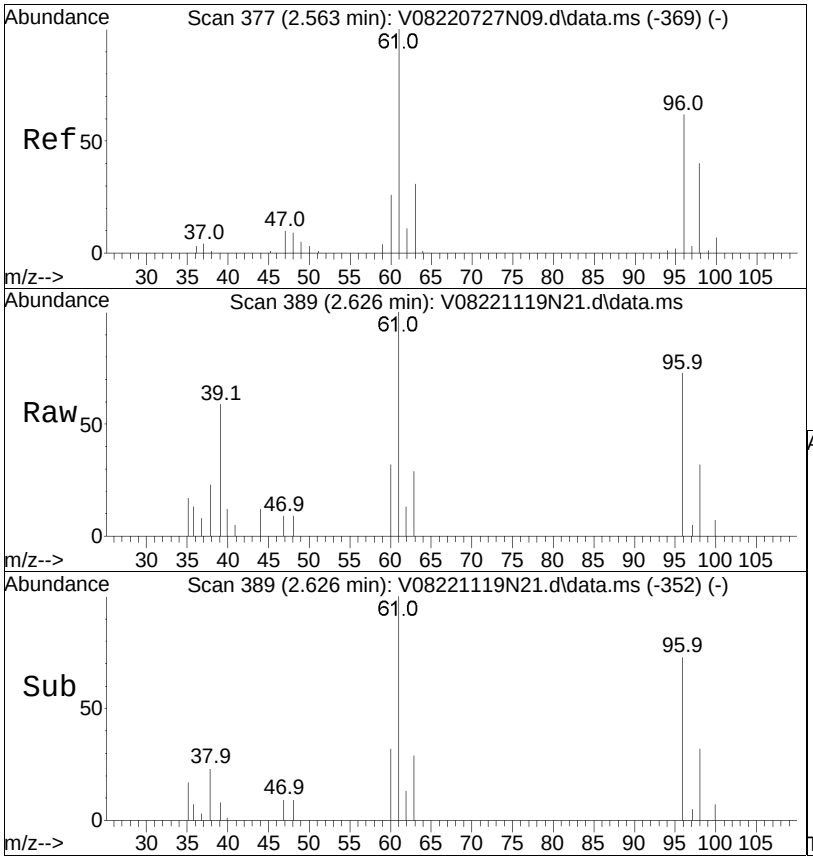


#17
Acetone
Concen: 0.62 ug/L
RT: 2.537 min Scan# 372
Delta R.T. 0.000 min
Lab File: V08221119N21.d
Acq: 20 Nov 2022 1:43 am

Tgt Ion: 43 Resp: 743

Ion	Ratio	Lower	Upper
43	100		
58	15.7	24.2	36.4#

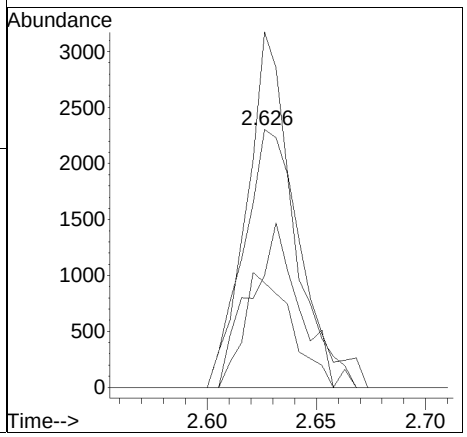


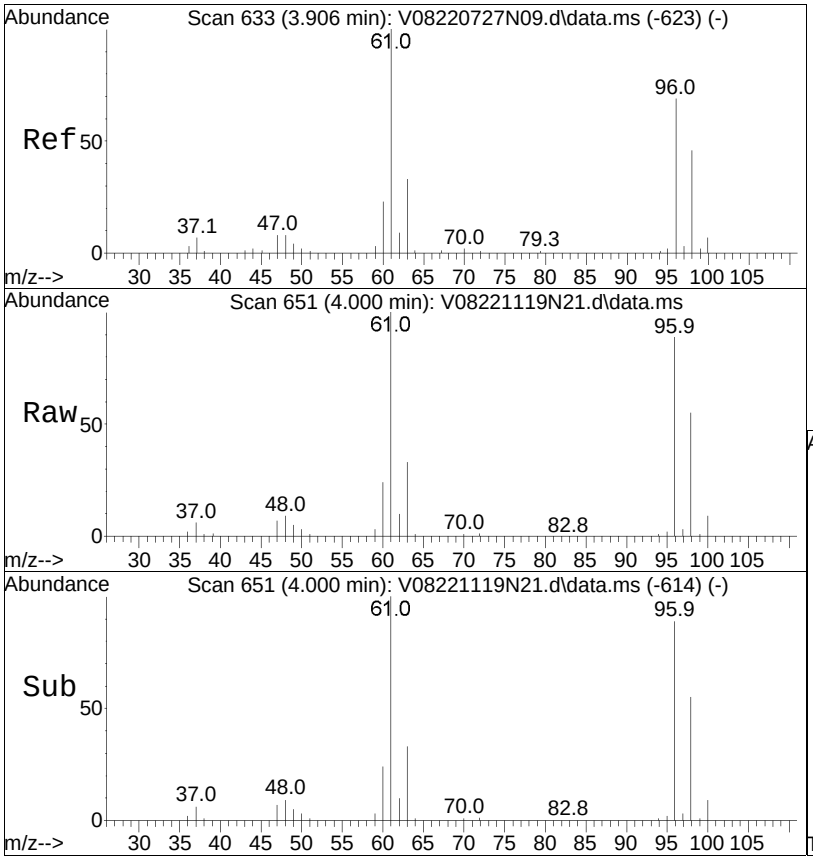


#18
trans-1,2-Dichloroethene
Concen: 0.97 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221119N21.d
Acq: 20 Nov 2022 1:43 am

Tgt Ion: 96 Resp: 4070

Ion	Ratio	Lower	Upper
96	100		
61	120.3	124.0	257.6#
98	57.1	41.2	85.6
63	38.3	38.4	79.7#

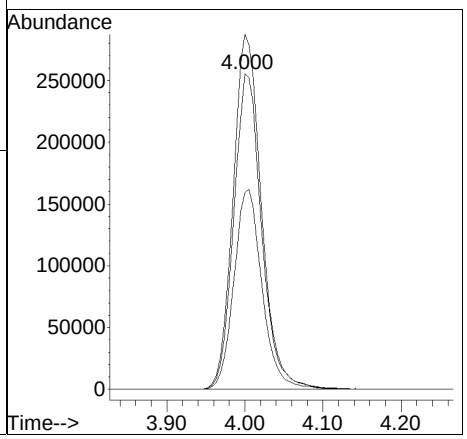


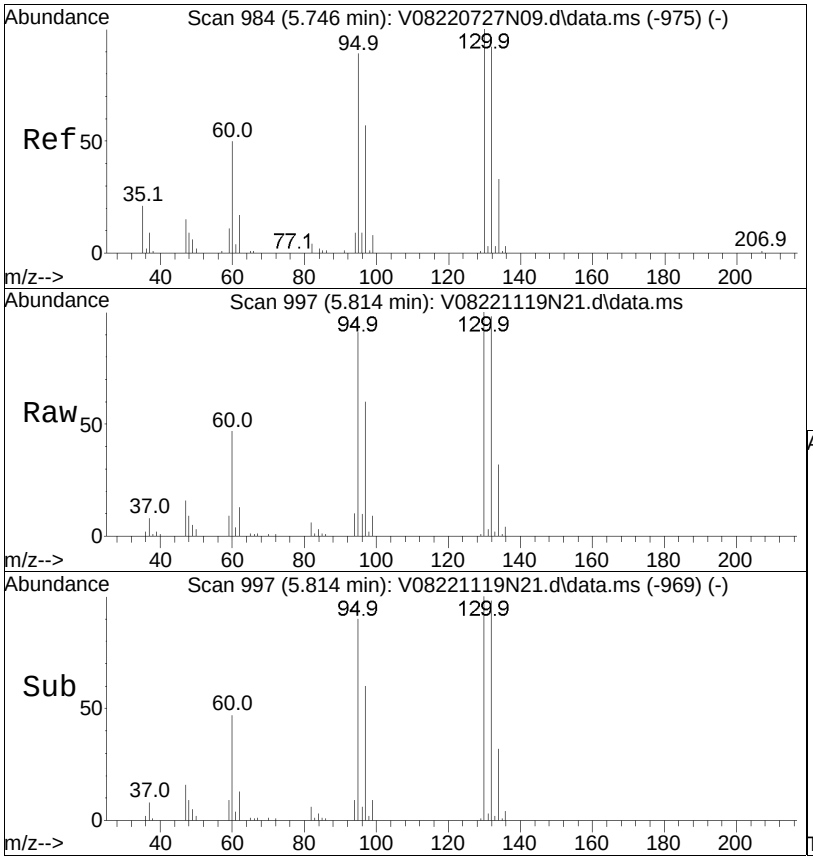


#28
cis-1,2-Dichloroethene
Concen: 131.54 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221119N21.d
Acq: 20 Nov 2022 1:43 am

Tgt Ion: 96 Resp: 637047

Ion	Ratio	Lower	Upper
96	100		
61	114.1	149.4	224.2#
98	64.0	53.4	80.2

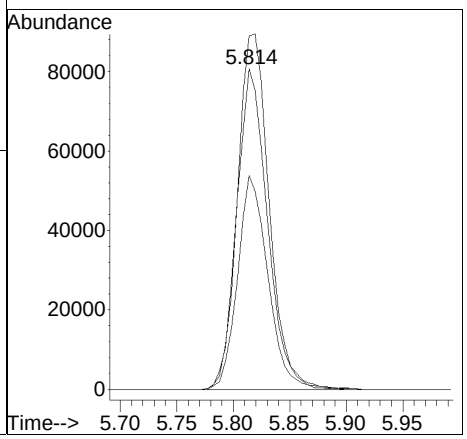




#48
Trichloroethene
Concen: 32.40 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N21.d
Acq: 20 Nov 2022 1:43 am

Tgt Ion: 95 Resp: 152224

Ion	Ratio	Lower	Upper
95	100		
97	65.9	55.5	83.3
130	115.9	76.6	115.0#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N21.d	Operator	: VOA108:PID
Date Inj'd	: 11/20/2022 1:43 am	Instrument	: VOA 108
Sample	: L2263244-20D,31,4.0,10,,A	Quant Date	: 11/21/2022 11:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N22.d
Acq On : 20 Nov 2022 2:03 am
Operator : VOA108:PID
Sample : L2263244-21,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 21 12:05:59 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	166455	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 83.92%		
59) Chlorobenzene-d5	8.572	117	135606	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 86.19%		
79) 1,4-Dichlorobenzene-d4	10.051	152	67110	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 76.44%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.656	113	53836	11.021 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.21%		
43) 1,2-Dichloroethane-d4	5.279	65	57408	11.172 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.72%		
60) Toluene-d8	7.303	98	162321	9.900 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.00%		
83) 4-Bromofluorobenzene	9.385	95	52709	10.349 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.49%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.190	62	78	N.D.	
5) Bromomethane	1.436	94	131	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.039	96	51	N.D.	
11) Carbon disulfide	1.976	76	1005	0.117 ug/L #	90
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	2.537	43	1529	1.321 ug/L #	87
18) trans-1,2-Dichloroethene	2.632	96	75	N.D.	
19) Methyl acetate	2.642	43	47	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	4.000	96	3960	0.852 ug/L #	64
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	4.247	56	80	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N22.d
Acq On : 20 Nov 2022 2:03 am
Operator : VOA108:PID
Sample : L2263244-21,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 21 12:05:59 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.839	43	1694	0.880	ug/L #	73
41) Benzene	5.117	78	237	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	5.793	83	223	N.D.		
48) Trichloroethene	5.819	95	17966	3.985	ug/L	90
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.350	92	508	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.702	166	2819	0.567	ug/L	87
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. d		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.624	91	58	N.D.		
76) p/m Xylene	8.735	106	266	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.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	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.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

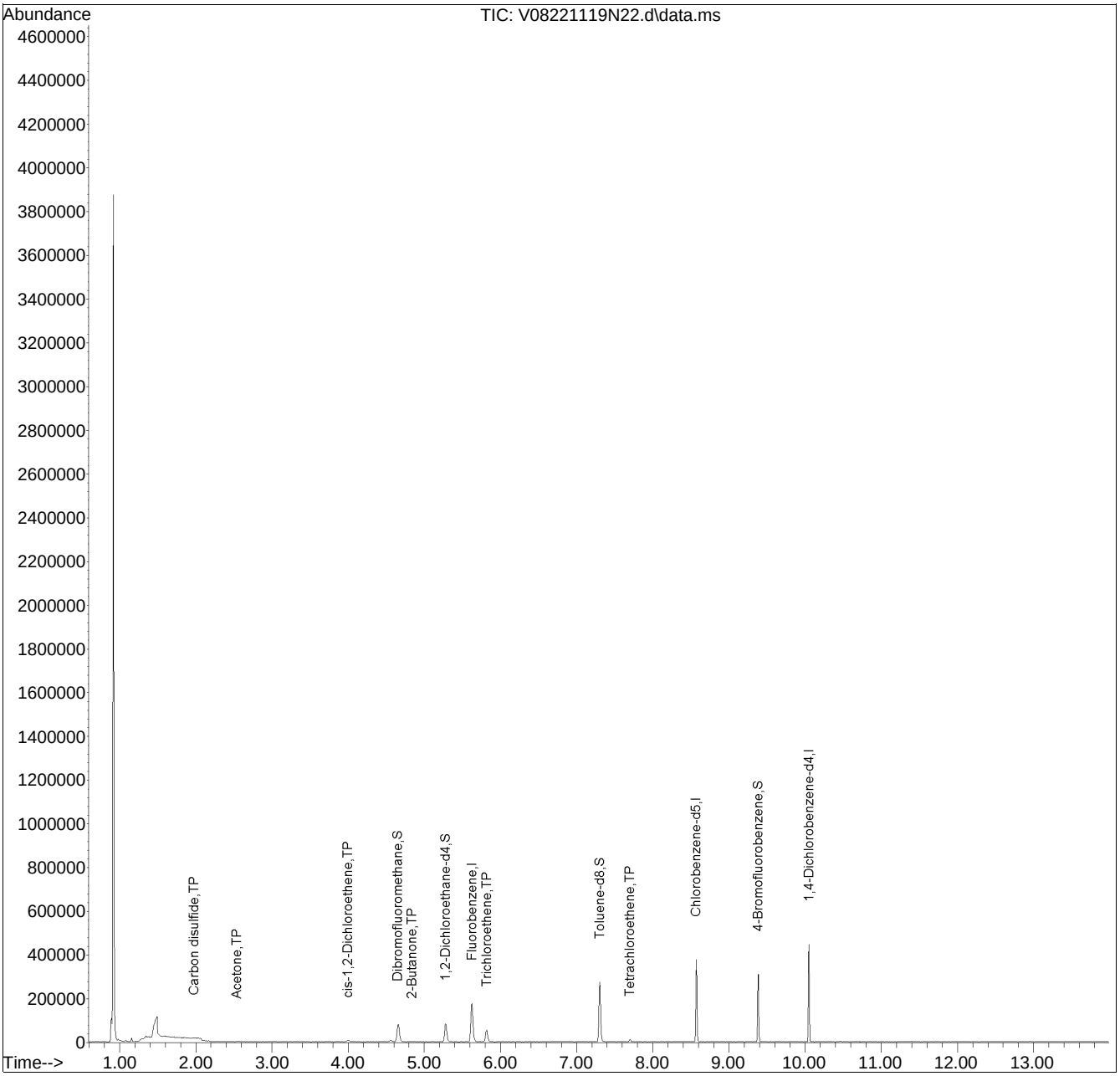
(#) = qualifier out of range (m) = manual integration (+) = signals summed

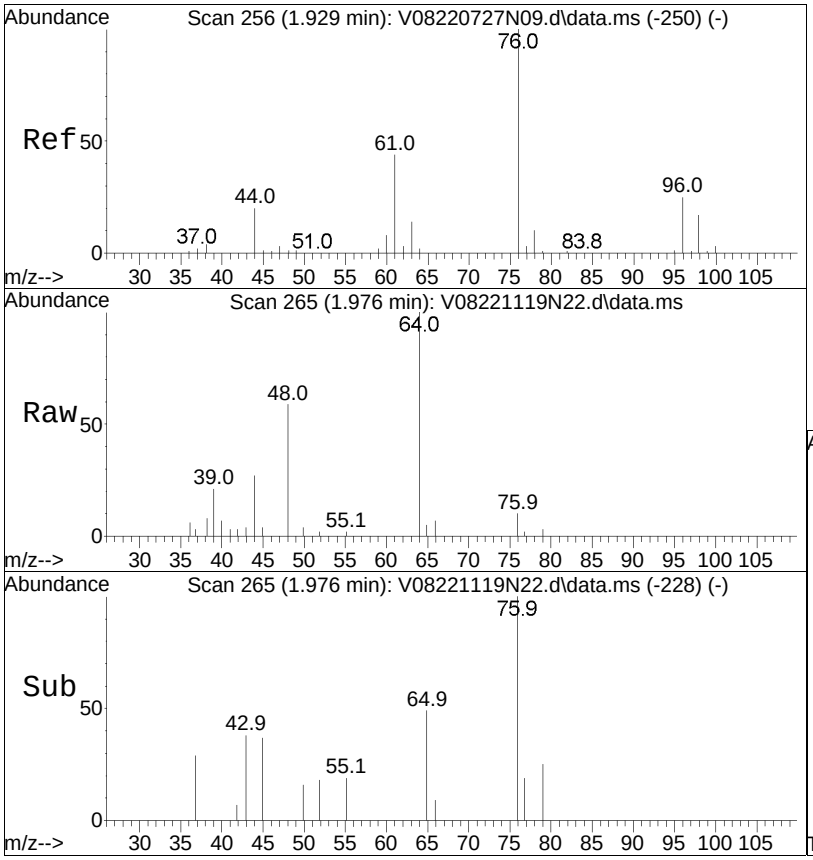
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N22.d
Acq On : 20 Nov 2022 2:03 am
Operator : VOA108:PID
Sample : L2263244-21,31,10,10,,A
Misc : WG1714899,ICAL19477
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 21 12:05:59 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

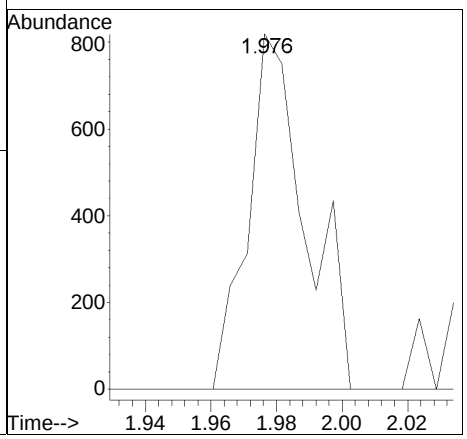


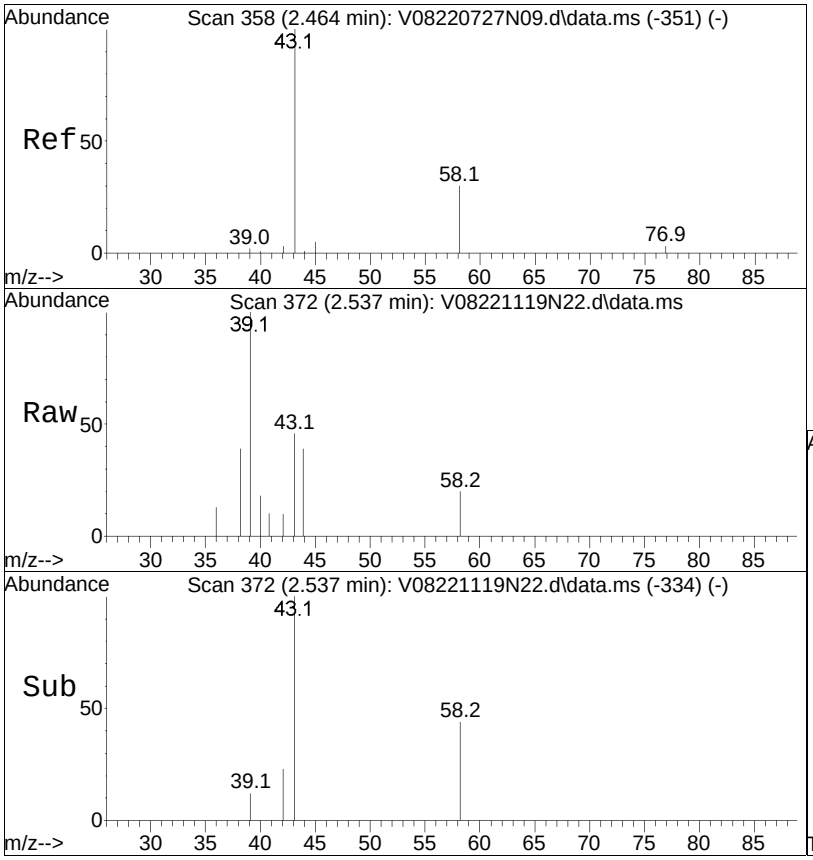


#11
Carbon disulfide
Concen: 0.12 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221119N22.d
Acq: 20 Nov 2022 2:03 am

Tgt Ion: 76 Resp: 1005

Ion	Ratio	Lower	Upper
76	100		
78	5.1	5.7	11.7#

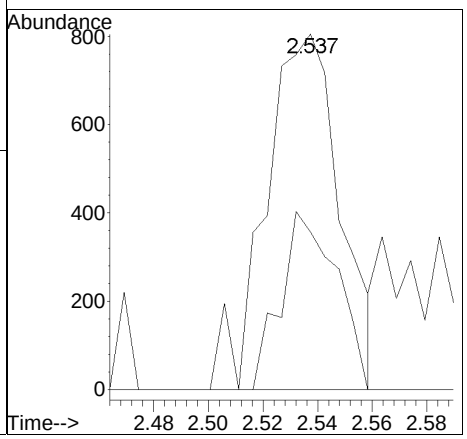


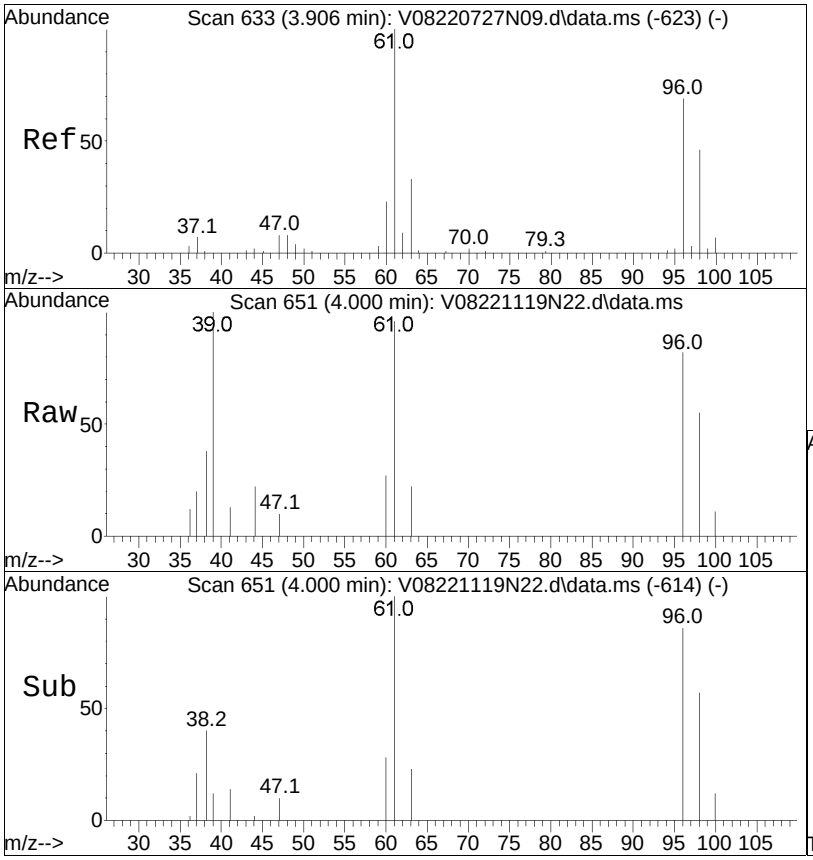


#17
Acetone
Concen: 1.32 ug/L
RT: 2.537 min Scan# 372
Delta R.T. 0.000 min
Lab File: V08221119N22.d
Acq: 20 Nov 2022 2:03 am

Tgt Ion: 43 Resp: 1529

Ion	Ratio	Lower	Upper
43	100		
58	37.5	24.2	36.4#

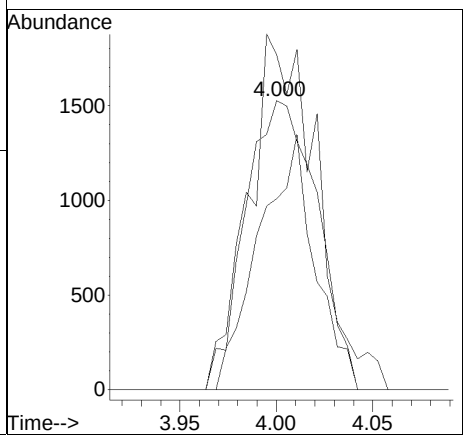


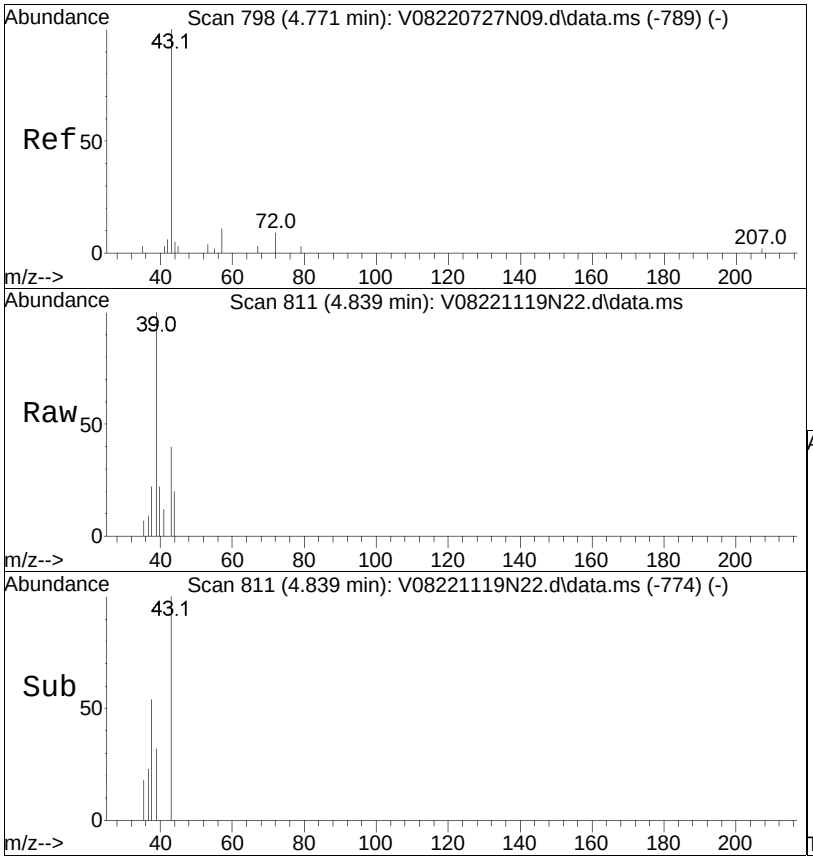


#28
cis-1,2-Dichloroethene
Concen: 0.85 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221119N22.d
Acq: 20 Nov 2022 2:03 am

Tgt Ion: 96 Resp: 3960

Ion	Ratio	Lower	Upper
96	100		
61	116.5	149.4	224.2#
98	68.2	53.4	80.2

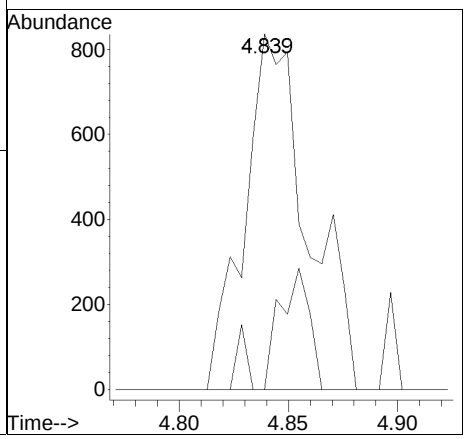


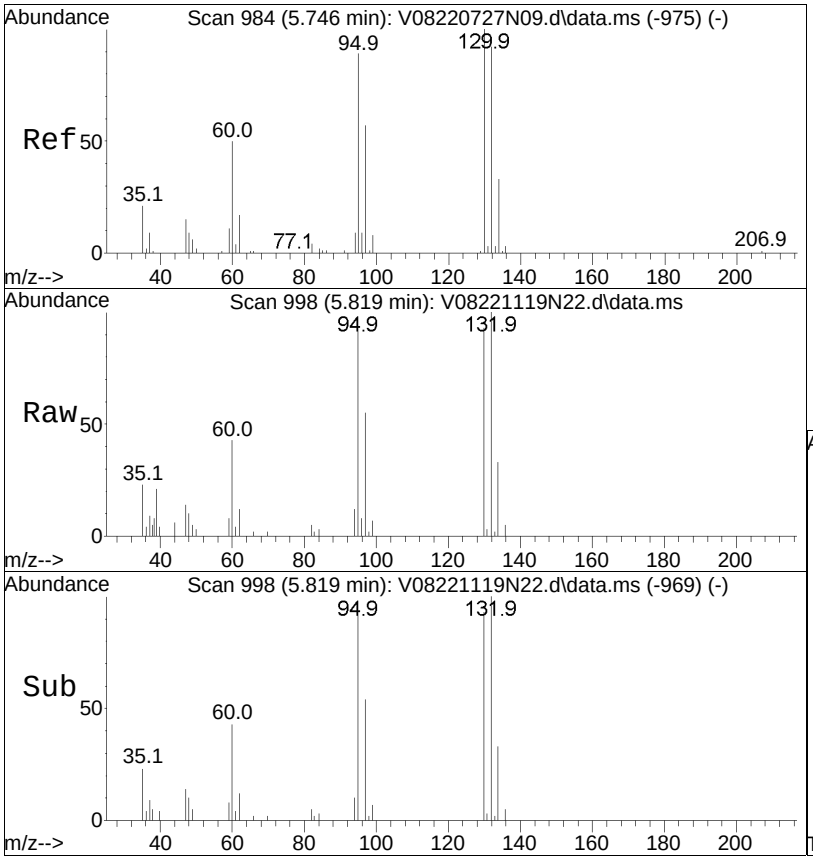


#39
2-Butanone
Concen: 0.88 ug/L
RT: 4.839 min Scan# 811
Delta R.T. -0.005 min
Lab File: V08221119N22.d
Acq: 20 Nov 2022 2:03 am

Tgt Ion: 43 Resp: 1694

Ion	Ratio	Lower	Upper
43	100		
72	2.8	10.9	16.3#

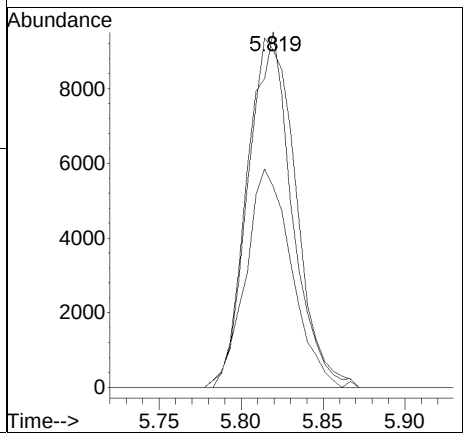


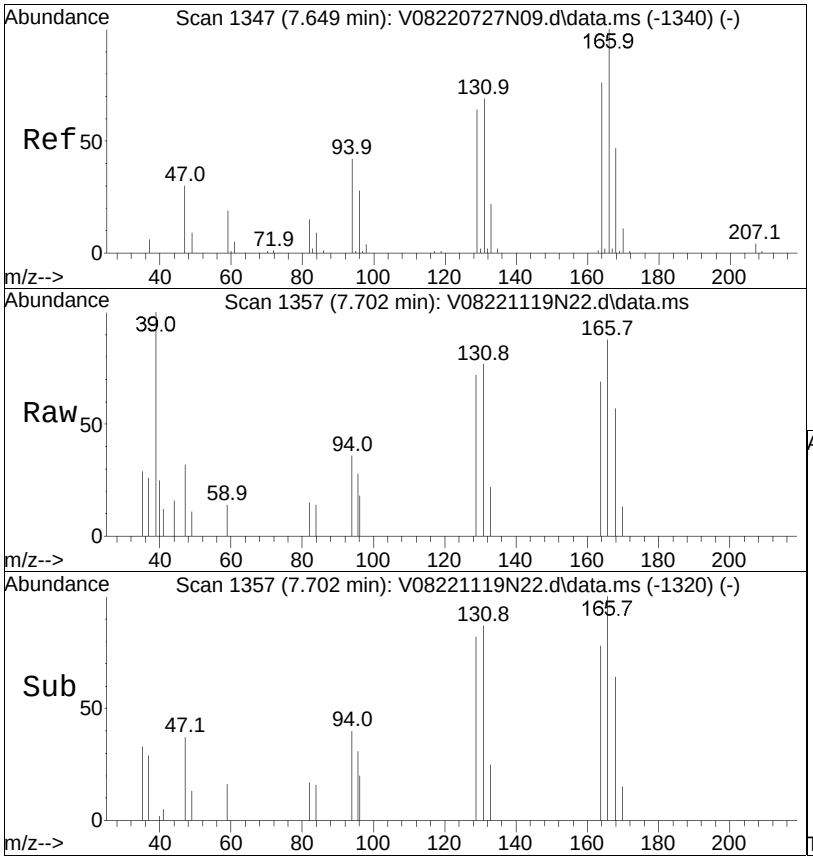


#48
Trichloroethene
Concen: 3.99 ug/L
RT: 5.819 min Scan# 998
Delta R.T. 0.000 min
Lab File: V08221119N22.d
Acq: 20 Nov 2022 2:03 am

Tgt Ion: 95 Resp: 17966

Ion	Ratio	Lower	Upper
95	100		
97	63.5	55.5	83.3
130	106.7	76.6	115.0

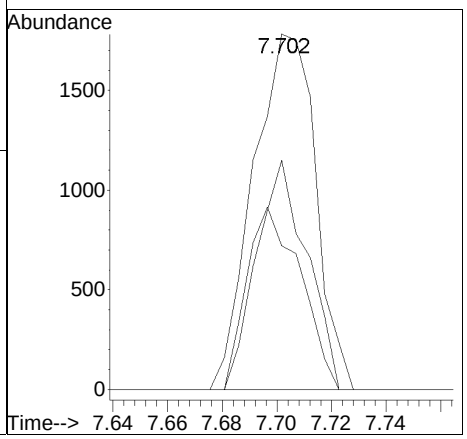




#63
Tetrachloroethene
Concen: 0.57 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. -0.005 min
Lab File: V08221119N22.d
Acq: 20 Nov 2022 2:03 am

Tgt Ion:166 Resp: 2819

Ion	Ratio	Lower	Upper
166	100		
168	52.4	28.2	68.2
94	44.4	38.4	78.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N22.d	Operator	: VOA108:PID
Date Inj'd	: 11/20/2022 2:03 am	Instrument	: VOA 108
Sample	: L2263244-21,31,10,10,,A	Quant Date	: 11/21/2022 11:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A12.D
Acq On : 20 Nov 2022 11:56 am
Operator : VOA130:PID
Sample : l2263244-06,31,10,10,,c
Misc : WG1714939,ICAL19400
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 14:14:15 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221120A\V30221120A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.478	96	118731	10.000 ug/L	0.00
Standard Area 1 = 163963			Recovery = 72.41%		
59) Chlorobenzene-d5	8.487	117	104142	10.000 ug/L	0.00
Standard Area 1 = 124673			Recovery = 83.53%		
79) 1,4-Dichlorobenzene-d4	9.977	152	54117	10.000 ug/L	0.00
Standard Area 1 = 71075			Recovery = 76.14%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.486	113	43485	11.713 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.13%		
43) 1,2-Dichloroethane-d4	5.127	65	39972	10.647 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.47%		
60) Toluene-d8	7.185	98	121025	9.321 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.21%		
83) 4-Bromofluorobenzene	9.310	95	47074	10.935 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.35%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.824	85	91	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	0.986	62	38	N.D.	
5) Bromomethane	1.315	94	55	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	1.861	76	1472	0.195 ug/L #	76
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.	
30) Bromochloromethane	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.	

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A12.D
Acq On : 20 Nov 2022 11:56 am
Operator : VOA130:PID
Sample : l2263244-06,31,10,10,,c
Misc : WG1714939,ICAL19400
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 14:14:15 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221120A\V30221120A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

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.	
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	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	8.499	112	35		N.D.	
74) Ethylbenzene	8.487	91	111		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	9.145	105	253		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	9.988	146	28		N.D.	
101) 1,4-Dichlorobenzene	9.988	146	28		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.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

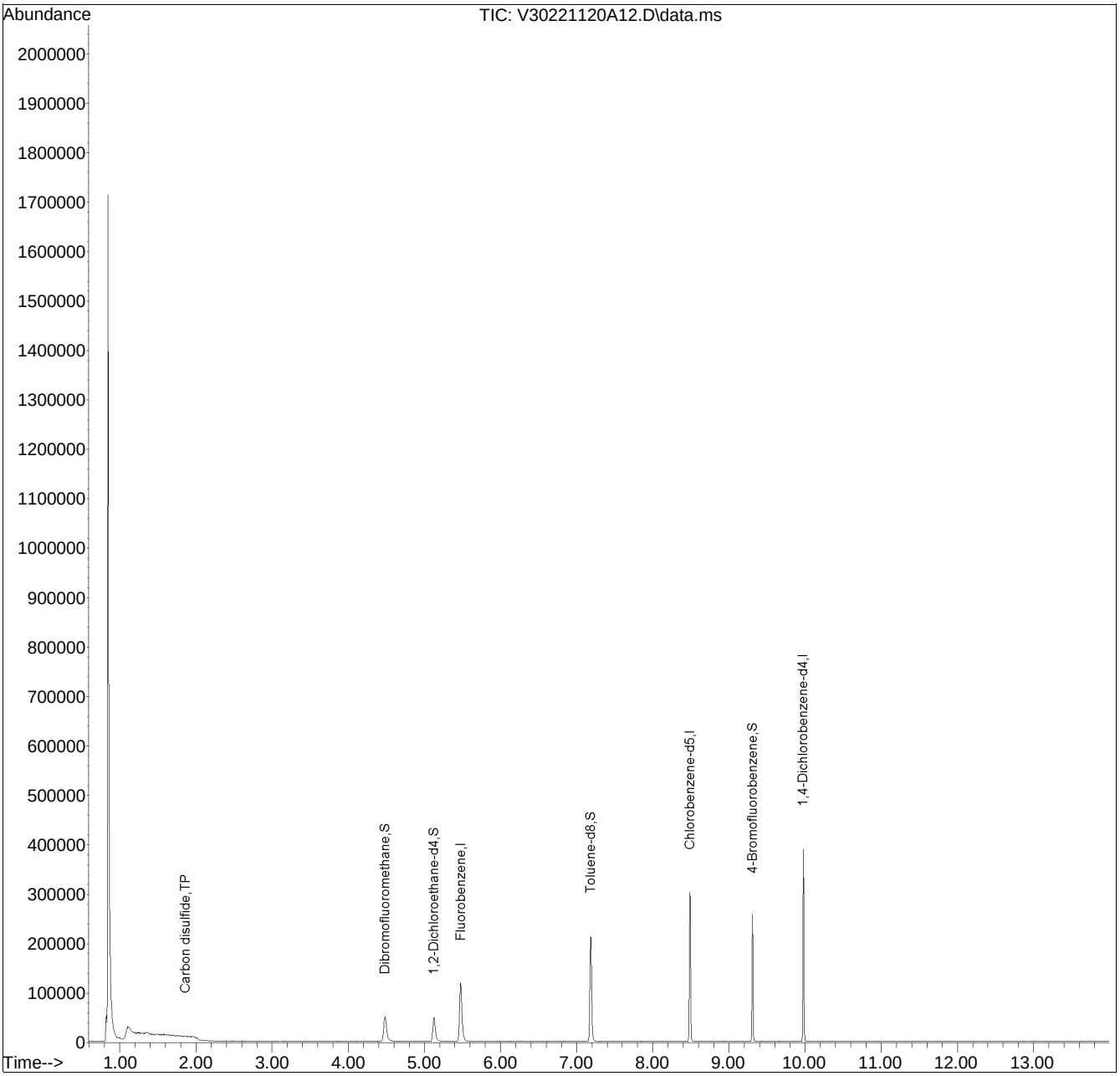
(#) = qualifier out of range (m) = manual integration (+) = signals summed

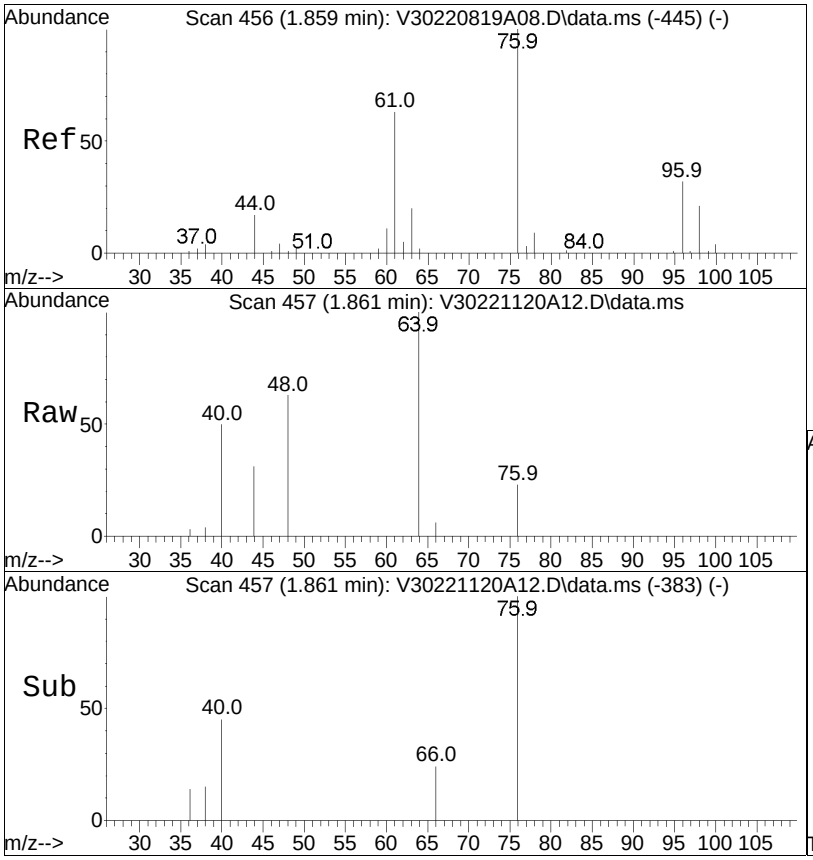
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A12.D
Acq On : 20 Nov 2022 11:56 am
Operator : VOA130:PID
Sample : l2263244-06,31,10,10,,c
Misc : WG1714939,ICAL19400
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 14:14:15 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve1.D•

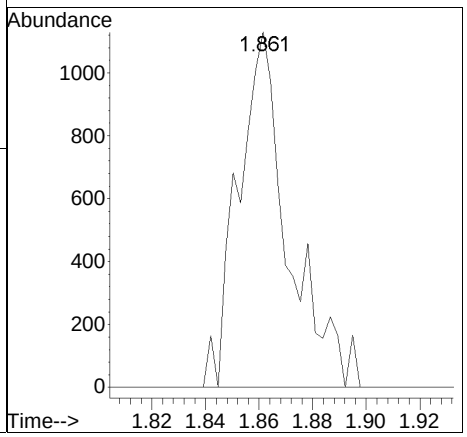




#11
Carbon disulfide
Concen: 0.20 ug/L
RT: 1.861 min Scan# 457
Delta R.T. 0.005 min
Lab File: V30221120A12.D
Acq: 20 Nov 2022 11:56 am

Tgt Ion: 76 Resp: 1472

Ion	Ratio	Lower	Upper
76	100		
78	0.0	5.7	11.7#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA130\2022\2	QMethod	: VOA130_221012N_8260.m
Data File	: V30221120A12.D	Operator	: VOA130:PID
Date Inj'd	: 11/20/2022 11:56 am	Instrument	: VOA130
Sample	: l2263244-06,31,10,10,,c	Quant Date	: 11/21/2022 2:09 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A25.D
Acq On : 20 Nov 2022 06:07 pm
Operator : VOA116:MCM
Sample : L2263244-10D,31,1.0,10,,C
Misc : WG1714765,ICAL19484
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 07:22:00 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.703	96	106663	10.000 ug/L	0.00
Standard Area 1 = 127592			Recovery = 83.60%		
63) Chlorobenzene-d5	9.222	117	81703	10.000 ug/L	0.00
Standard Area 1 = 100081			Recovery = 81.64%		
84) 1,4-Dichlorobenzene-d4	11.997	152	44366	10.000 ug/L	0.00
Standard Area 1 = 57288			Recovery = 77.44%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.898	113	30611	10.641 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.41%		
47) 1,2-Dichloroethane-d4	5.416	65	35363	10.120 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.20%		
64) Toluene-d8	7.391	98	101465	9.614 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.14%		
88) 4-Bromofluorobenzene	10.754	95	38528	9.194 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.94%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.727	62	107581	30.539 ug/L	97
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	2.214	64	74	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.724	96	566	0.232 ug/L #	89
11) Carbon disulfide	0.000		0	N.D. 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	3.399	96	2094	0.769 ug/L	86
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	4.466	96	385359	127.108 ug/L	85
33) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	4.678	56	82	N.D.	
35) Chloroform	0.000		0	N.D.	
37) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A25.D
Acq On : 20 Nov 2022 06:07 pm
Operator : VOA116:MCM
Sample : L2263244-10D,31,1.0,10,,C
Misc : WG1714765,ICAL19484
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 07:22:00 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	5.298	78	76		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

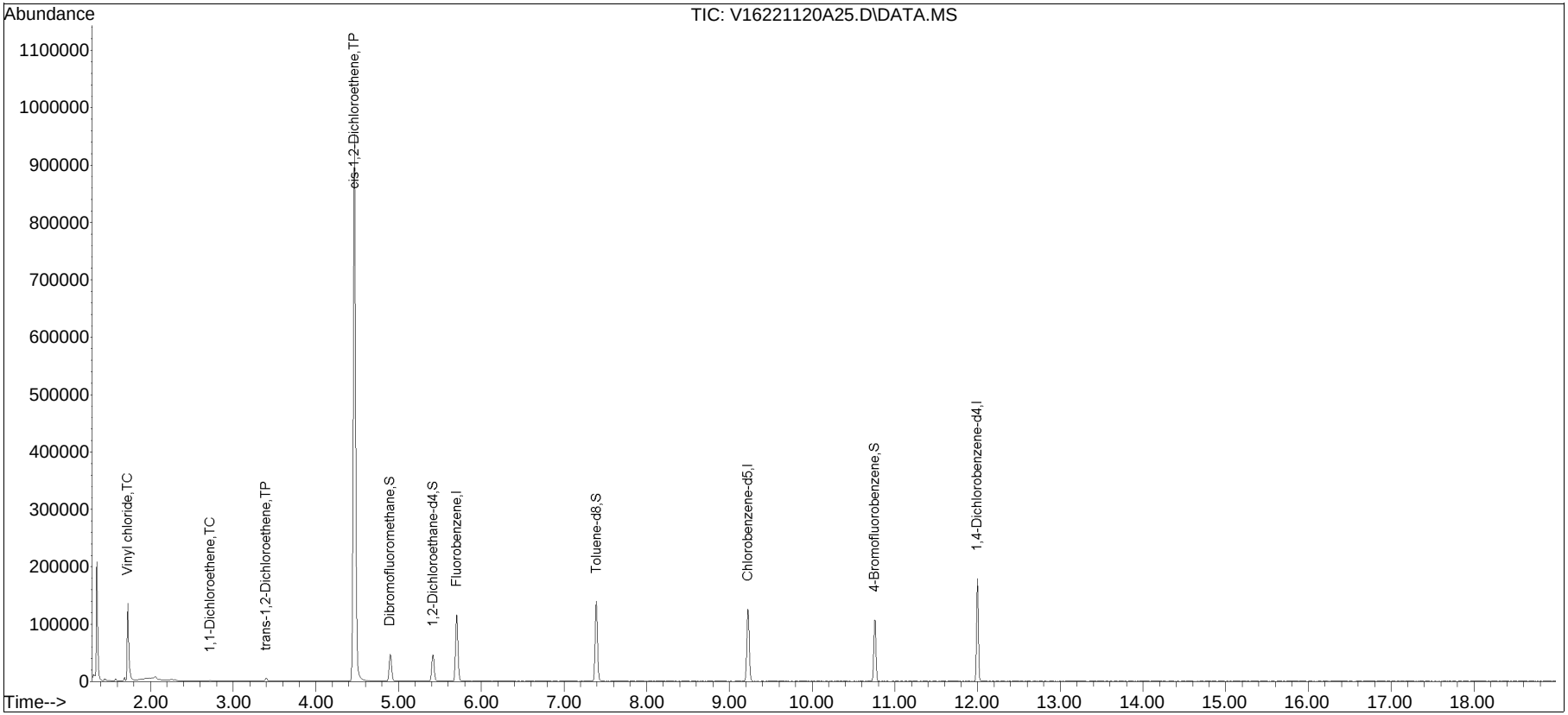
(#) = qualifier out of range (m) = manual integration (+) = signals summed

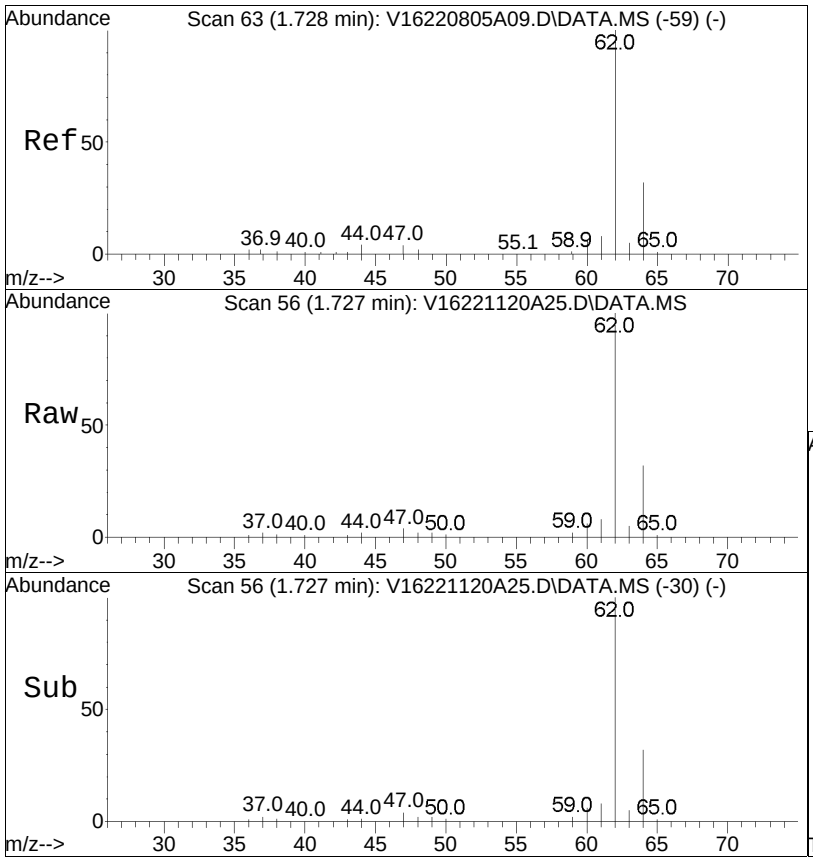
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A25.D
Acq On : 20 Nov 2022 06:07 pm
Operator : VOA116:MCM
Sample : L2263244-10D,31,1.0,10,,C
Misc : WG1714765,ICAL19484
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 07:22:00 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

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

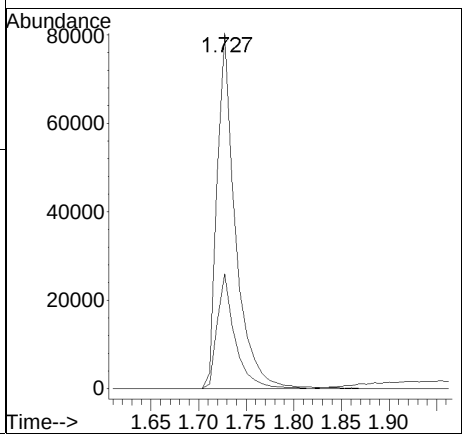


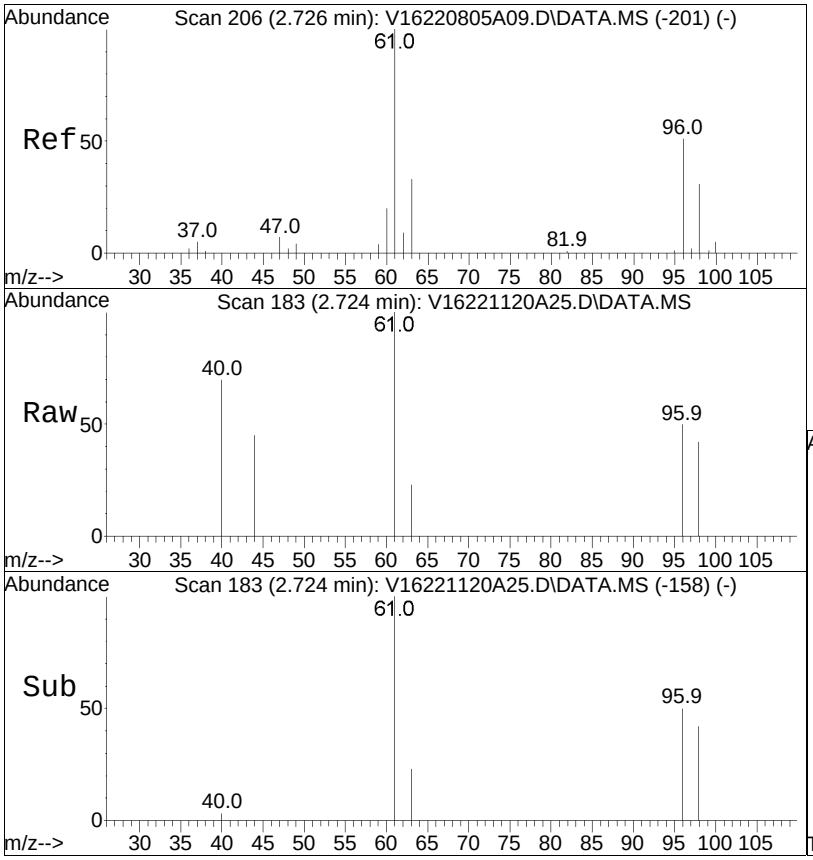


#4
Vinyl chloride
Concen: 30.54 ug/L
RT: 1.727 min Scan# 56
Delta R.T. 0.000 min
Lab File: V16221120A25.D
Acq: 20 Nov 2022 06:07 pm

Tgt Ion: 62 Resp: 107581

Ion	Ratio	Lower	Upper
62	100		
64	31.0	12.7	52.7

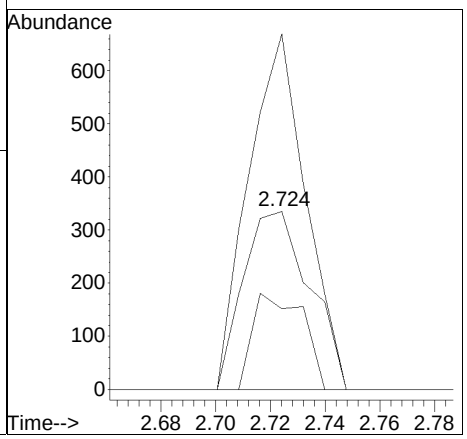


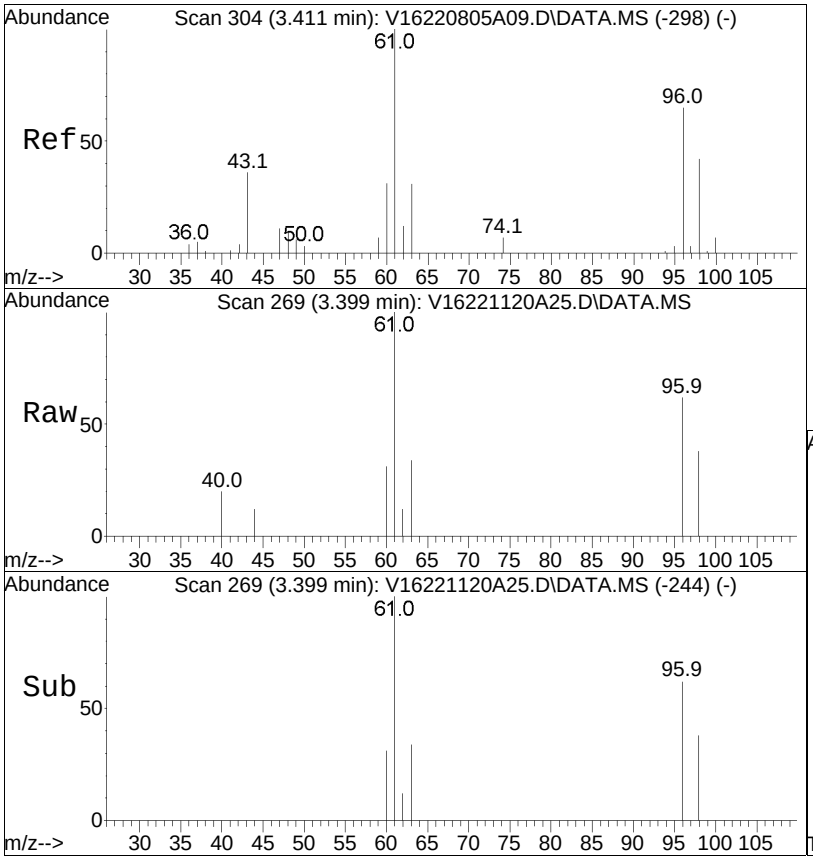


#10
1,1-Dichloroethene
Concen: 0.23 ug/L
RT: 2.724 min Scan# 183
Delta R.T. 0.000 min
Lab File: V16221120A25.D
Acq: 20 Nov 2022 06:07 pm

Tgt Ion: 96 Resp: 566

Ion	Ratio	Lower	Upper
96	100		
61	171.4	144.3	216.5
63	40.6	47.9	71.9#

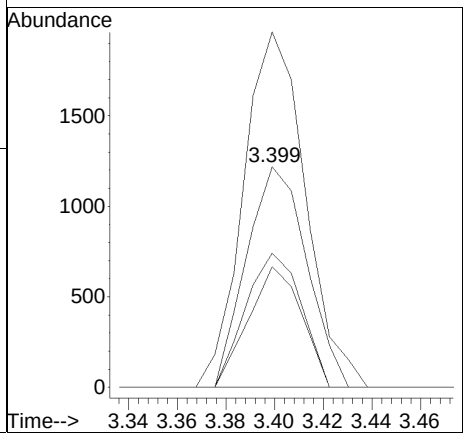


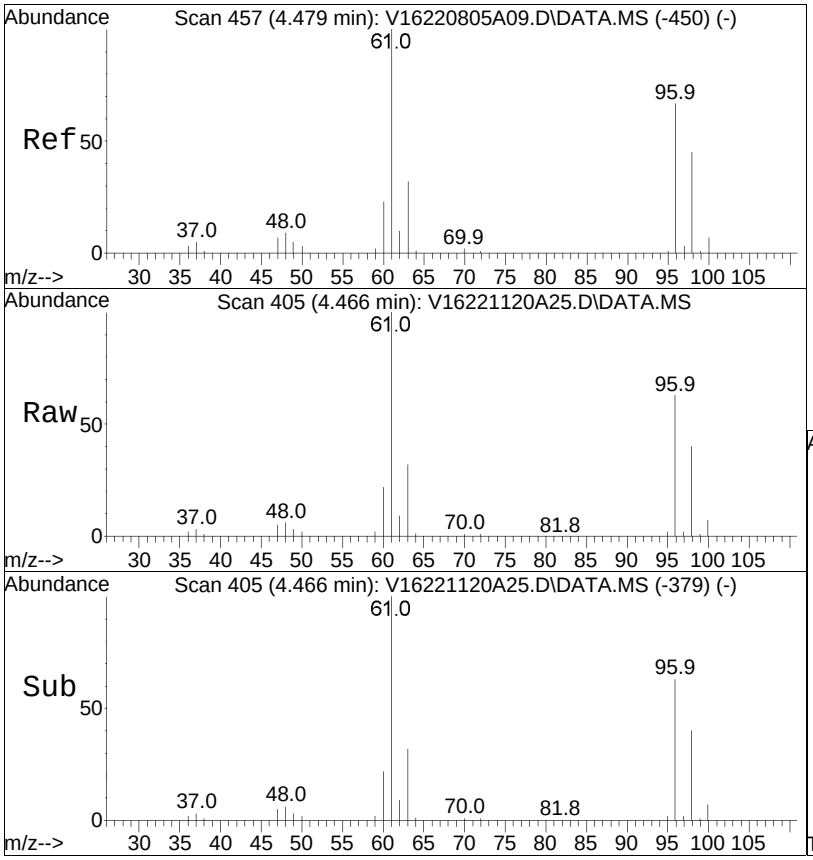


#18
trans-1,2-Dichloroethene
Concen: 0.77 ug/L
RT: 3.399 min Scan# 269
Delta R.T. 0.000 min
Lab File: V16221120A25.D
Acq: 20 Nov 2022 06:07 pm

Tgt Ion: 96 Resp: 2094

Ion	Ratio	Lower	Upper
96	100		
61	166.1	92.6	192.4
98	56.2	41.1	85.5
63	48.2	28.6	59.4

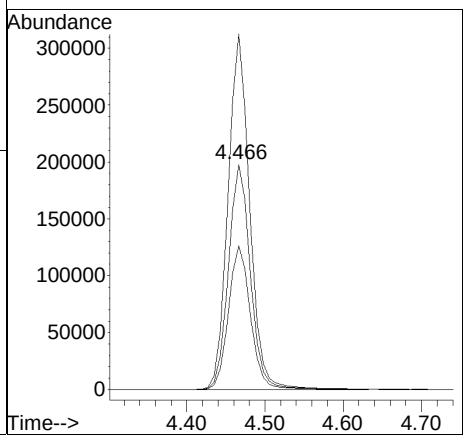




#30
cis-1,2-Dichloroethene
Concen: 127.11 ug/L
RT: 4.466 min Scan# 405
Delta R.T. 0.000 min
Lab File: V16221120A25.D
Acq: 20 Nov 2022 06:07 pm

Tgt Ion: 96 Resp: 385359

Ion	Ratio	Lower	Upper
96	100		
61	156.0	104.2	156.4
98	64.2	51.4	77.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2	QMethod	: V116_221112_8260.m
Data File	: V16221120A25.D	Operator	: VOA116:MCM
Date Inj'd	: 11/20/2022 6:07 pm	Instrument	: VOA 116
Sample	: L2263244-10D,31,1.0,10,,C	Quant Date	: 11/21/2022 6:50 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N24.d
Acq On : 22 Nov 2022 1:57 am
Operator : VOA108:MJV
Sample : L2263244-18D,31,1.0,10,,C
Misc : WG1715252,ICAL19477
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 22 07:51:49 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	195842	10.000 ug/L	0.00
Standard Area 1 = 192015			Recovery = 101.99%		
59) Chlorobenzene-d5	8.572	117	150598	10.000 ug/L	0.00
Standard Area 1 = 156468			Recovery = 96.25%		
79) 1,4-Dichlorobenzene-d4	10.050	152	76803	10.000 ug/L	0.00
Standard Area 1 = 85868			Recovery = 89.44%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.661	113	58937	10.255 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.55%		
43) 1,2-Dichloroethane-d4	5.279	65	64125	10.606 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.06%		
60) Toluene-d8	7.303	98	185631	10.195 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.95%		
83) 4-Bromofluorobenzene	9.385	95	58619	10.057 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.886	85	217	N.D.	
3) Chloromethane	1.200	50	62	N.D.	
4) Vinyl chloride	1.190	62	8797	1.989 ug/L	96
5) Bromomethane	0.000		0	N.D. d	
6) Chloroethane	1.494	64	5346	1.181 ug/L	79
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.971	96	1971	0.338 ug/L #	57
11) Carbon disulfide	1.976	76	1664	0.164 ug/L	96
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	2.479	84	62	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	2.626	96	4657	0.984 ug/L #	62
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	4.000	96	432451	79.087 ug/L #	63
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	4.252	56	351	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N24.d
Acq On : 22 Nov 2022 1:57 am
Operator : VOA108:MJV
Sample : L2263244-18D,31,1.0,10,,C
Misc : WG1715252,ICAL19477
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 22 07:51:49 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - 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	4.849	43	60	N.D.		
41) Benzene	5.111	78	781	N.D.		
44) 1,2-Dichloroethane	5.353	62	50	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	5.814	95	823735	155.302	ug/L	88
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.350	92	11298	0.977	ug/L	99
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.702	166	4242	0.768	ug/L	85
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	7.890	83	87	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.436	43	51	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.624	91	5410	0.244	ug/L	99
76) p/m Xylene	8.729	106	2589	0.281	ug/L	87
77) o Xylene	9.012	106	1073	0.122	ug/L	81
78) Styrene	0.000		0	N.D. d		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.217	105	337	N.D.		
87) 1,1,2,2-Tetrachloroethane	9.521	83	3817	0.706	ug/L	98
100) 1,3-Dichlorobenzene	10.003	146	55	N.D.		
101) 1,4-Dichlorobenzene	10.056	146	79	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.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

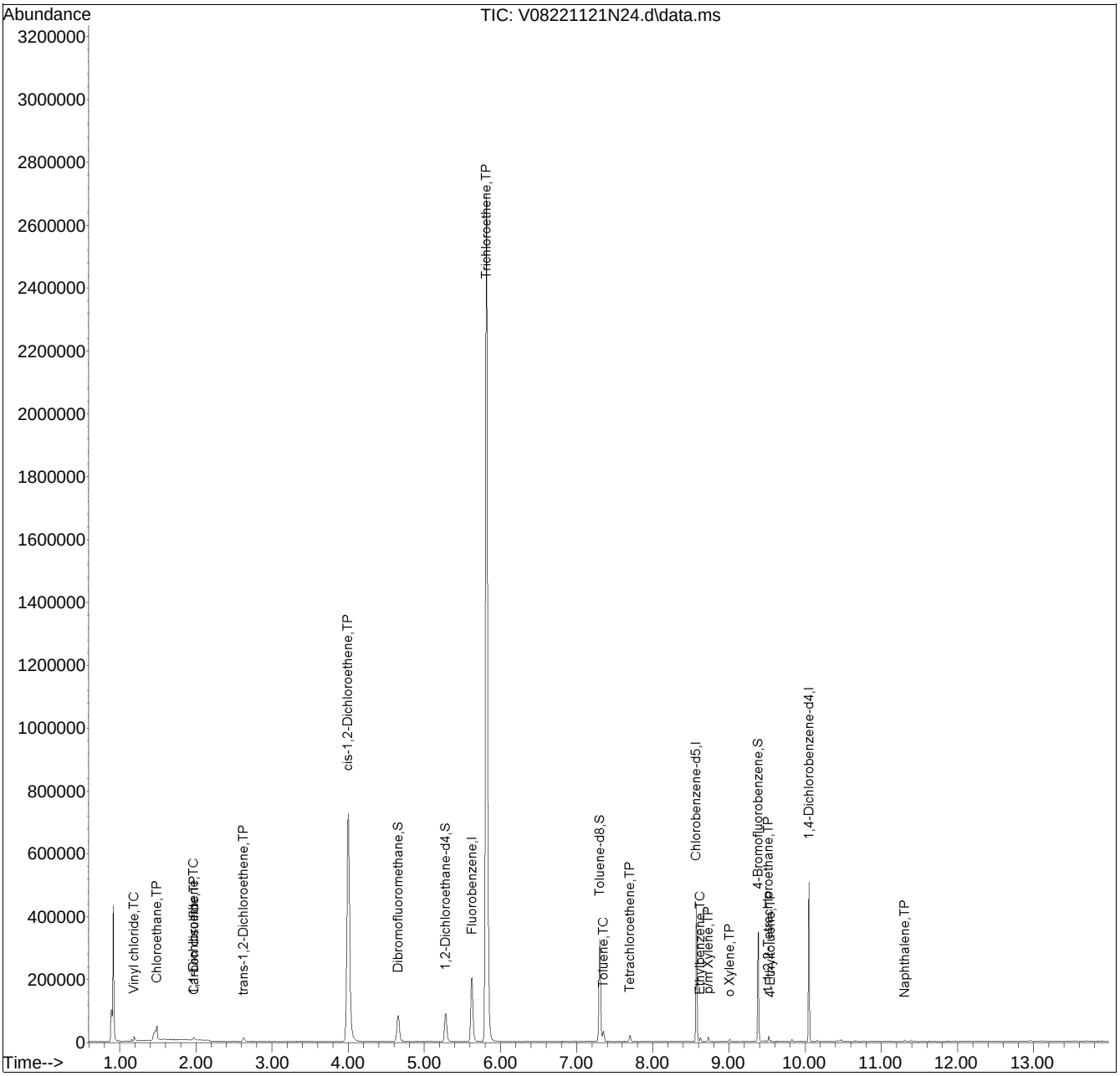
(#) = qualifier out of range (m) = manual integration (+) = signals summed

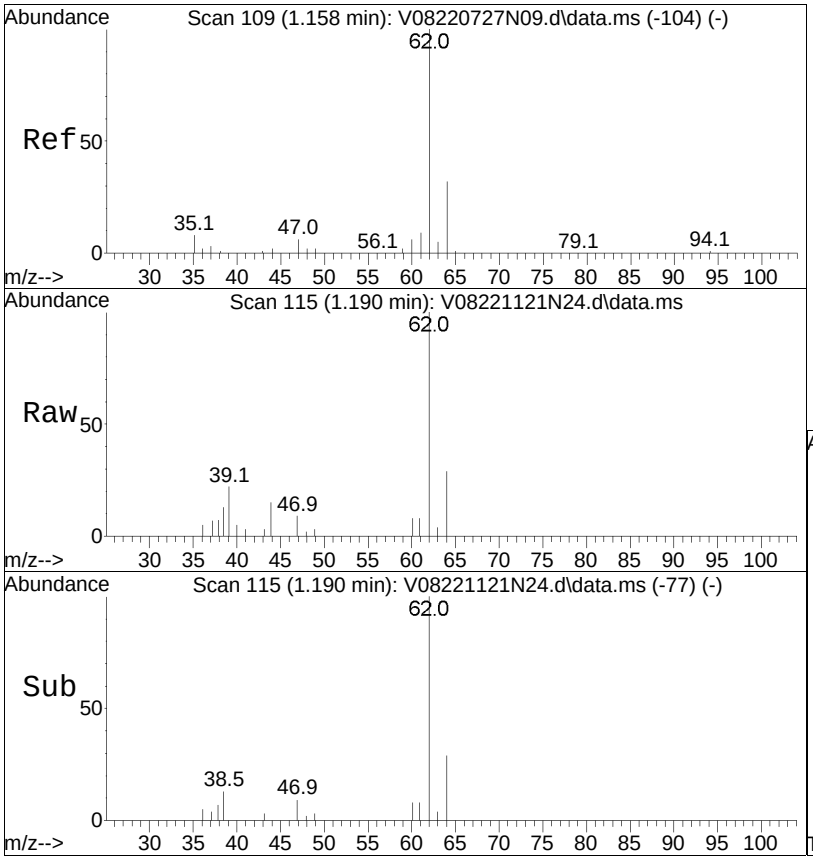
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N24.d
Acq On : 22 Nov 2022 1:57 am
Operator : VOA108:MJV
Sample : L2263244-18D,31,1.0,10,,C
Misc : WG1715252,ICAL19477
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 22 07:51:49 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

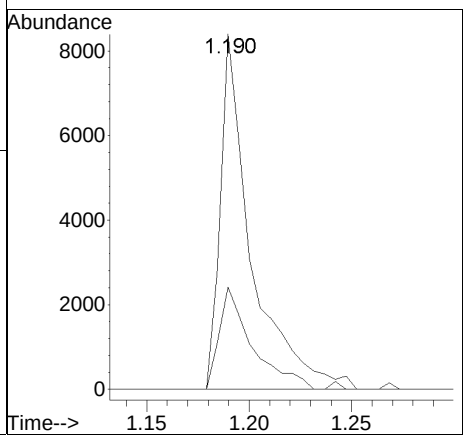


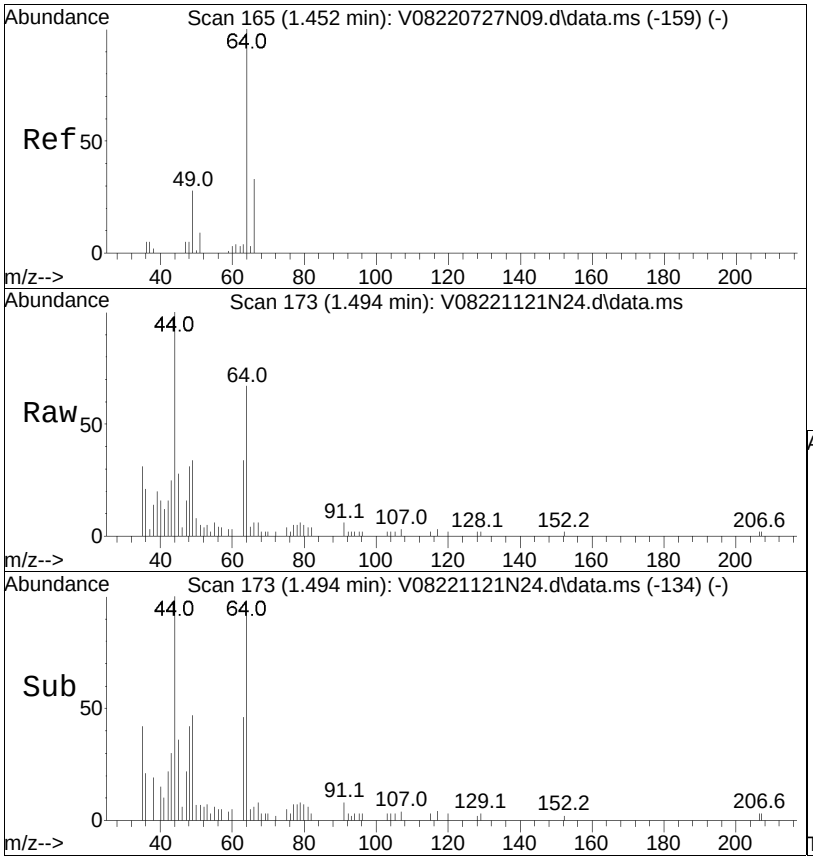


#4
Vinyl chloride
Concen: 1.99 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 62 Resp: 8797

Ion	Ratio	Lower	Upper
62	100		
64	31.0	9.1	49.1

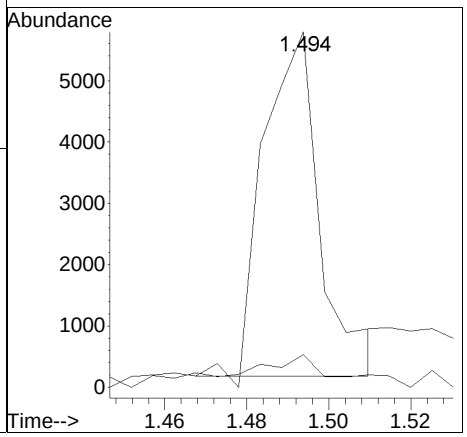


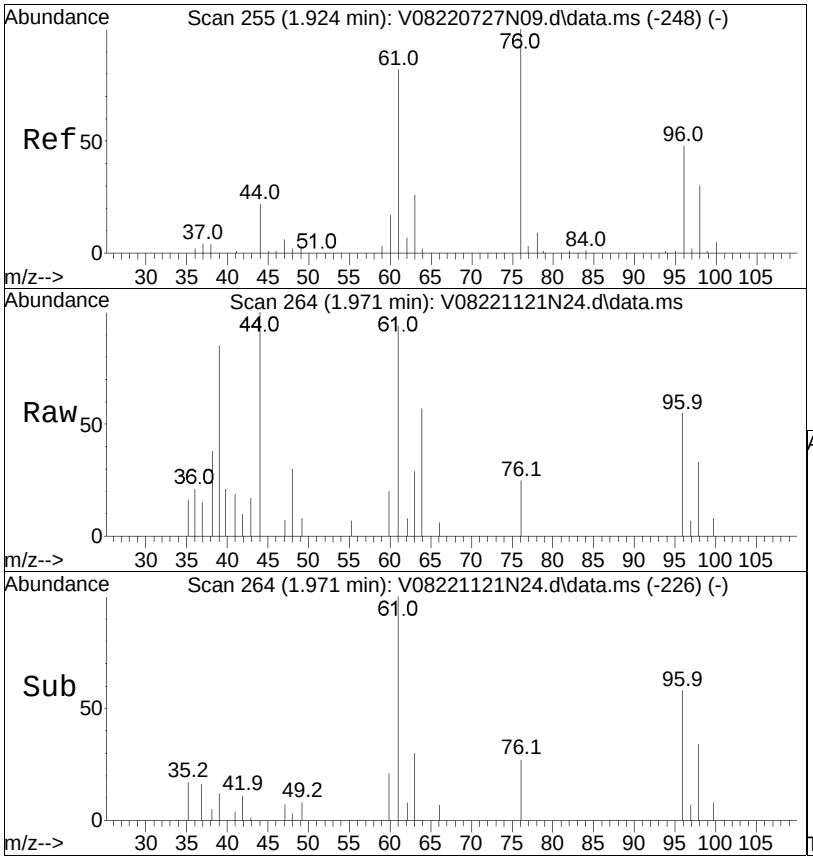


#6
Chloroethane
Concen: 1.18 ug/L
RT: 1.494 min Scan# 173
Delta R.T. 0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 64 Resp: 5346

Ion	Ratio	Lower	Upper
64	100		
66	18.3	9.8	49.8

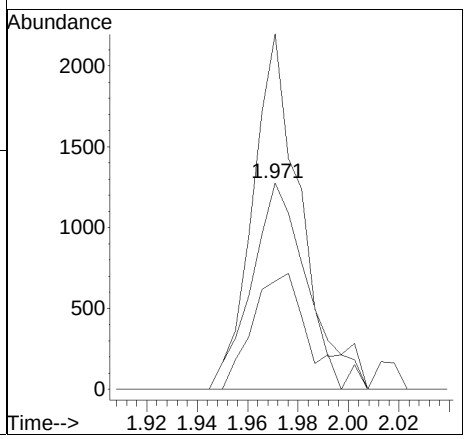


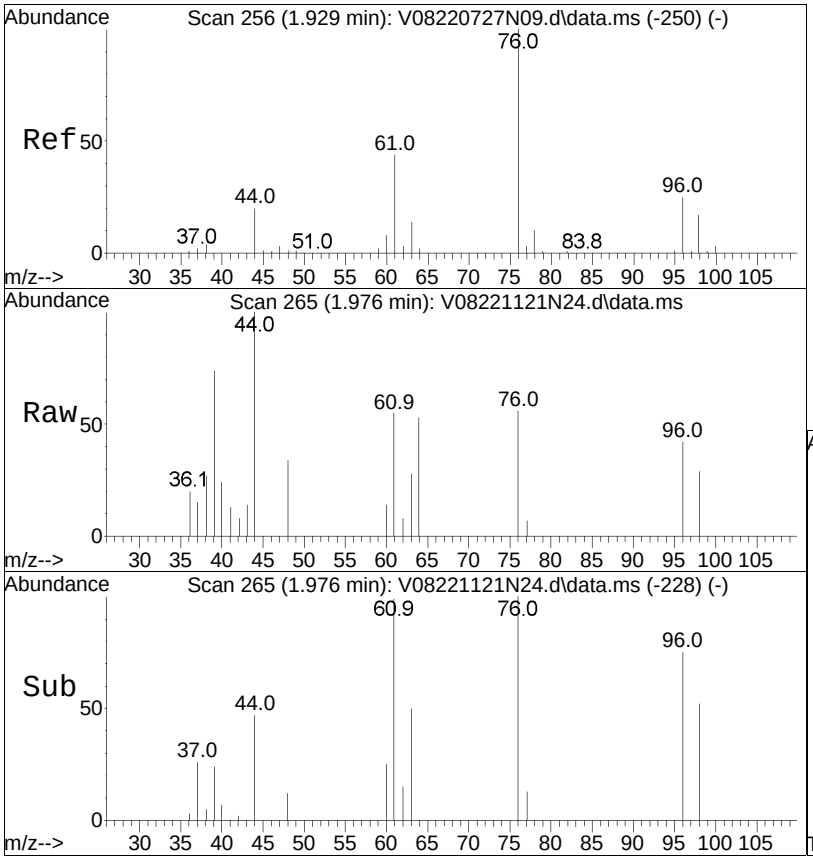


#10
1,1-Dichloroethene
Concen: 0.34 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 96 Resp: 1971

Ion	Ratio	Lower	Upper
96	100		
61	149.2	186.1	279.1#
63	55.8	57.6	86.4#

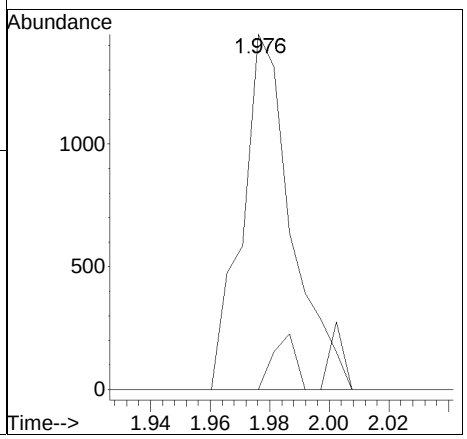


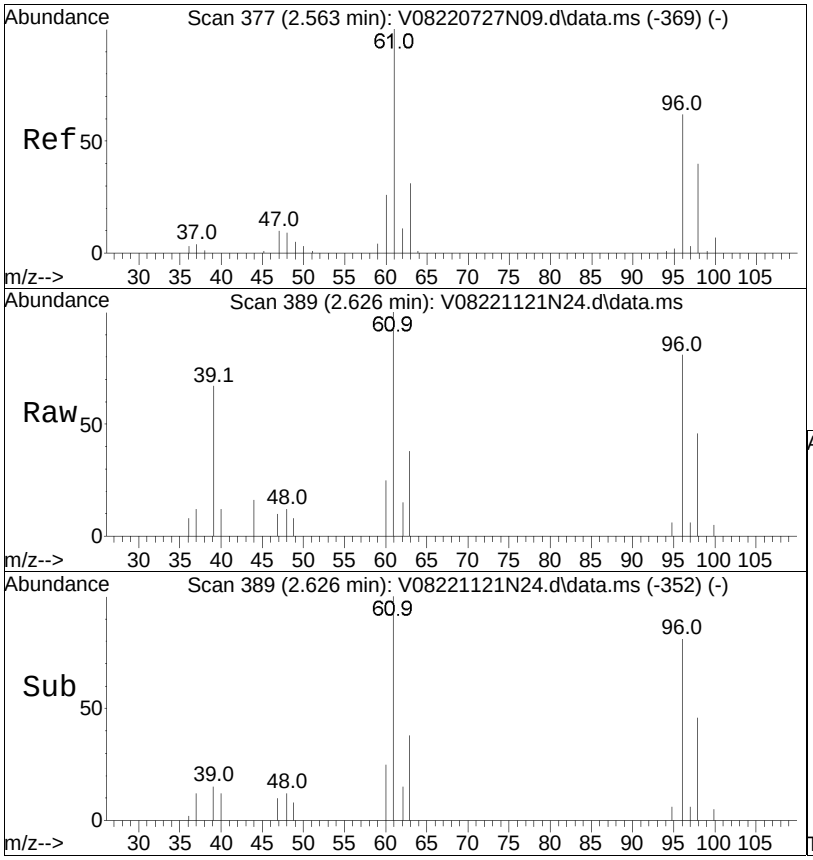


#11
Carbon disulfide
Concen: 0.16 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 76 Resp: 1664

Ion	Ratio	Lower	Upper
76	100		
78	7.2	5.7	11.7

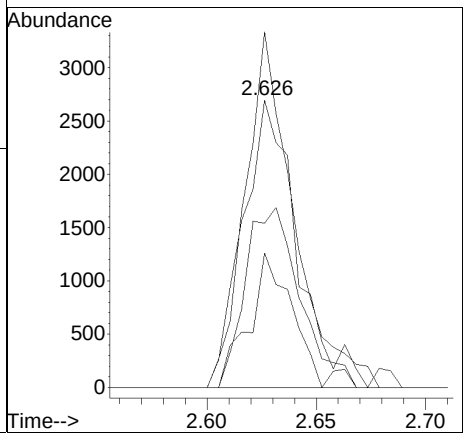


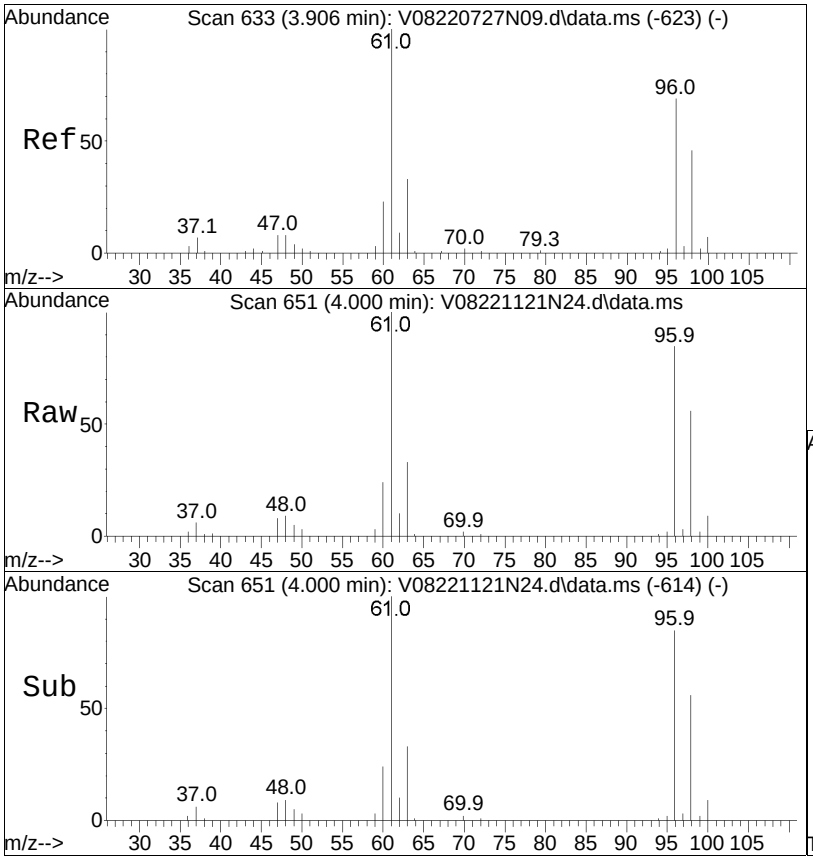


#18
trans-1,2-Dichloroethene
Concen: 0.98 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 96 Resp: 4657

Ion	Ratio	Lower	Upper
96	100		
61	111.4	124.0	257.6#
98	63.1	41.2	85.6
63	39.0	38.4	79.7

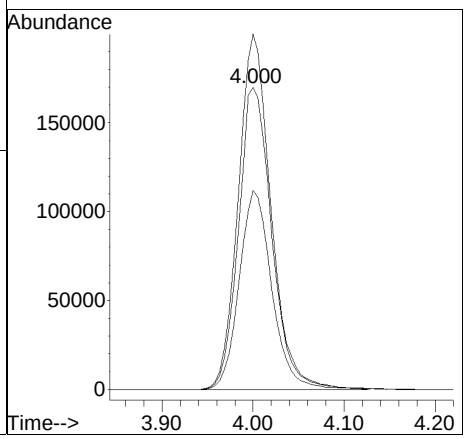


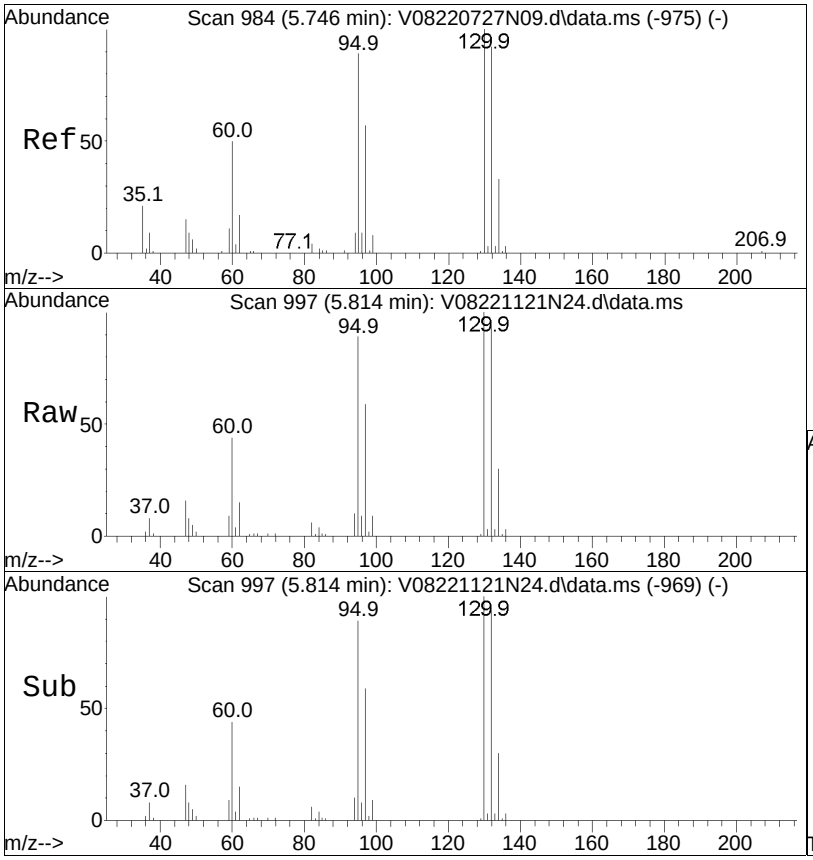


#28
cis-1,2-Dichloroethene
Concen: 79.09 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 96 Resp: 432451

Ion	Ratio	Lower	Upper
96	100		
61	115.6	149.4	224.2#
98	64.6	53.4	80.2

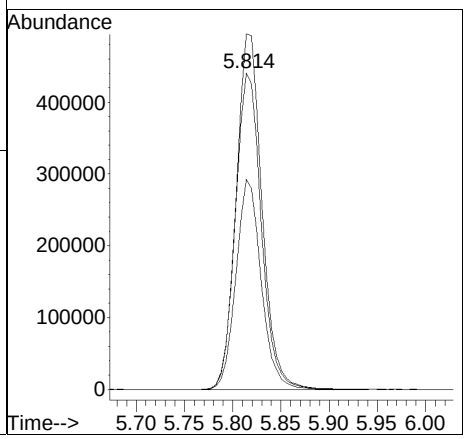


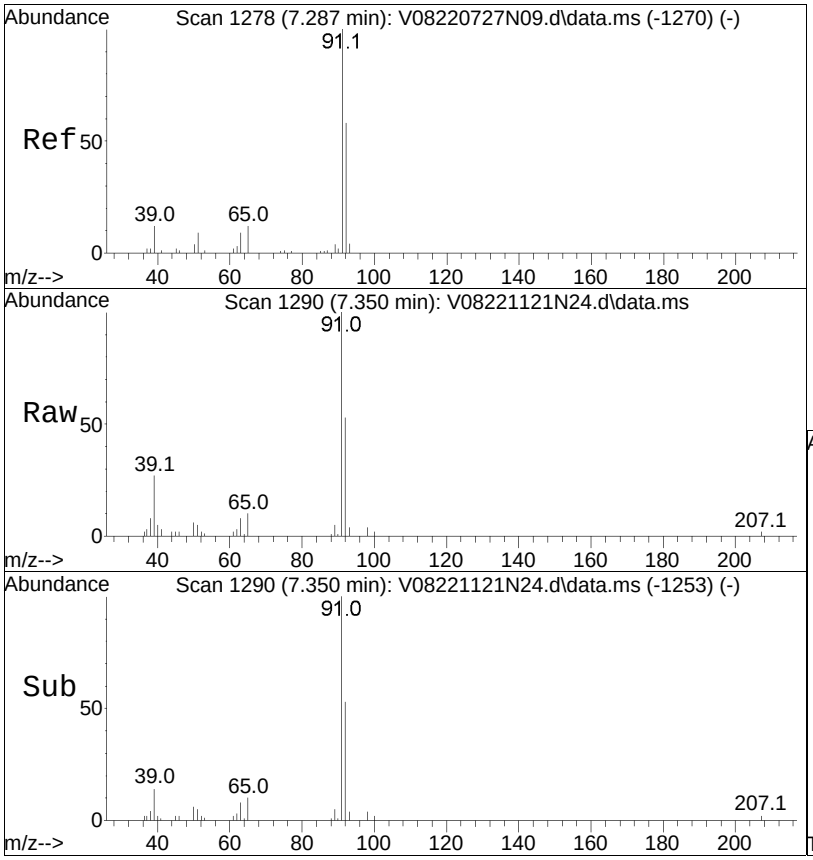


#48
Trichloroethene
Concen: 155.30 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 95 Resp: 823735

Ion	Ratio	Lower	Upper
95	100		
97	64.8	55.5	83.3
130	112.1	76.6	115.0

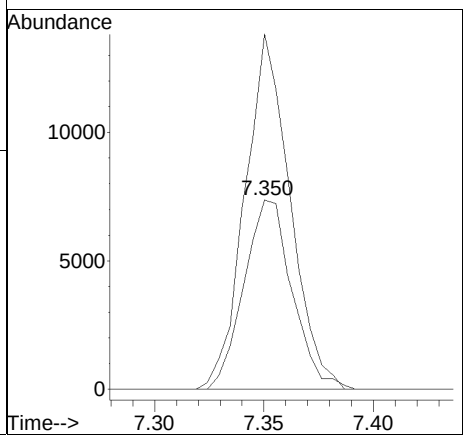


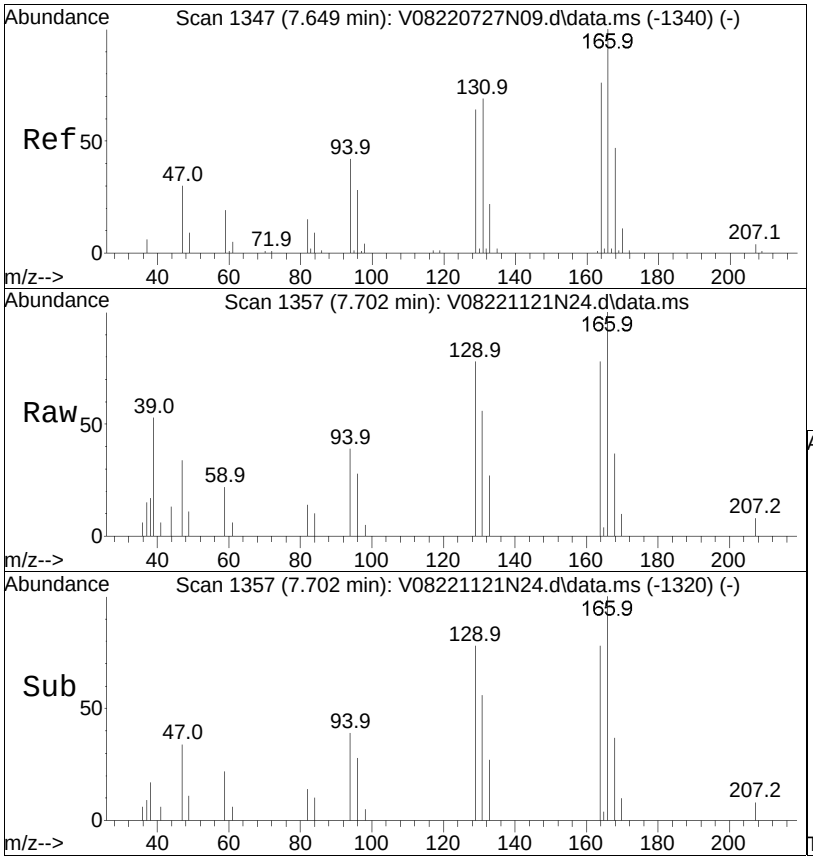


#61
Toluene
Concen: 0.98 ug/L
RT: 7.350 min Scan# 1290
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 92 Resp: 11298

Ion	Ratio	Lower	Upper
92	100		
91	175.7	139.8	209.6

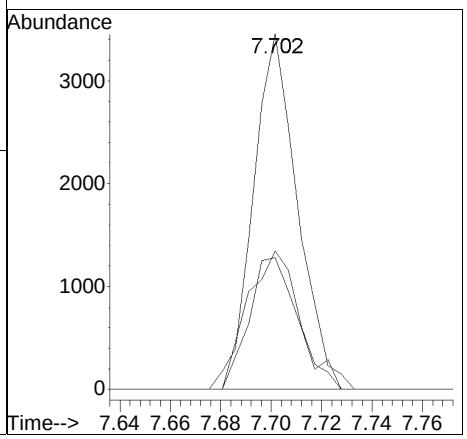


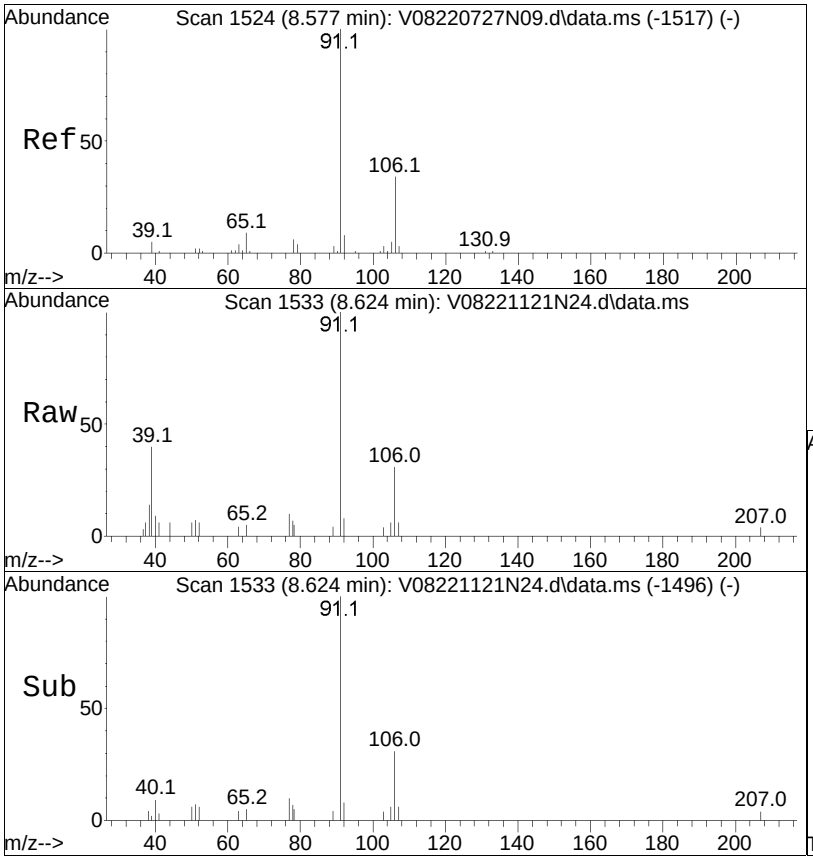


#63
Tetrachloroethene
Concen: 0.77 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion:166 Resp: 4242

Ion	Ratio	Lower	Upper
166	100		
168	40.9	28.2	68.2
94	44.5	38.4	78.4

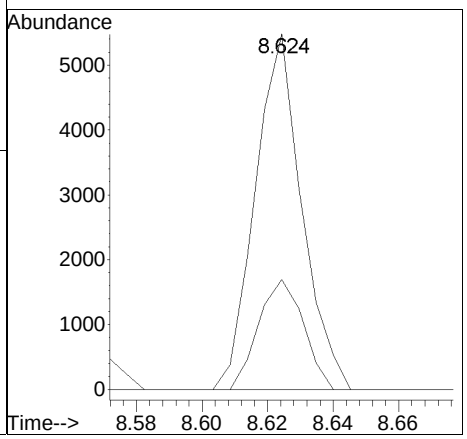


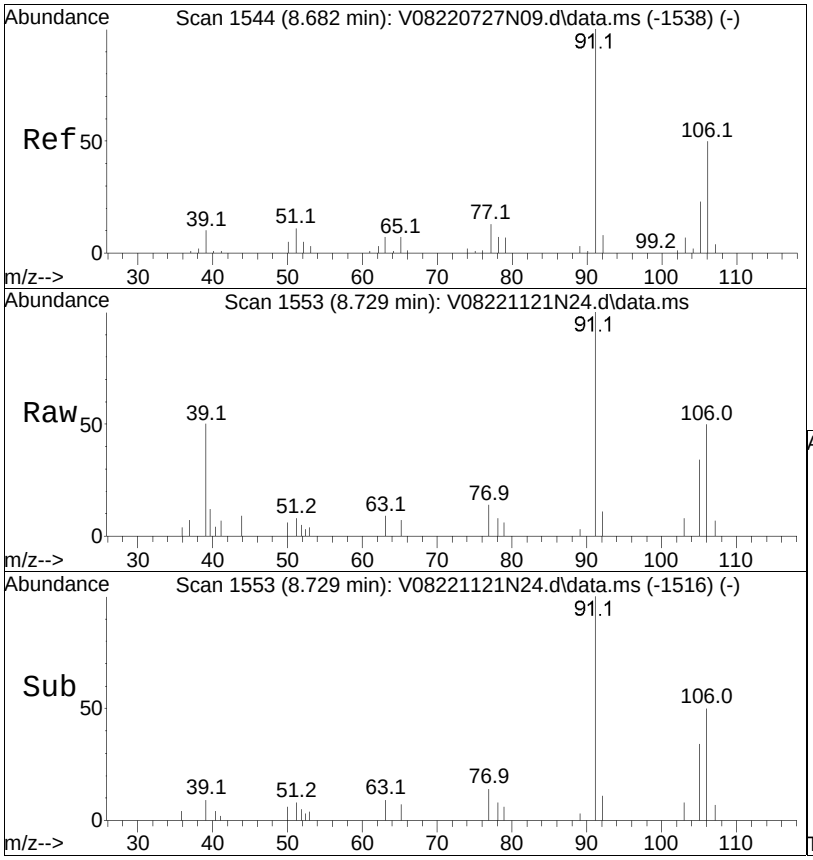


#74
Ethylbenzene
Concen: 0.24 ug/L
RT: 8.624 min Scan# 1533
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 91 Resp: 5410

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.3	36.5

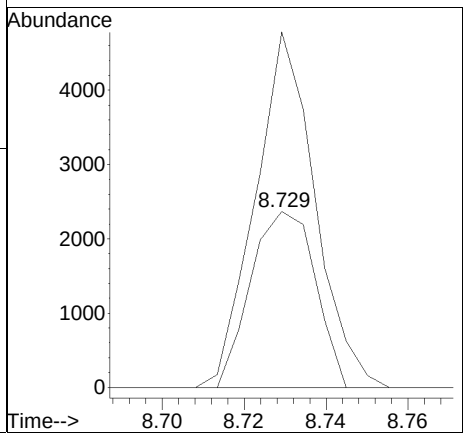


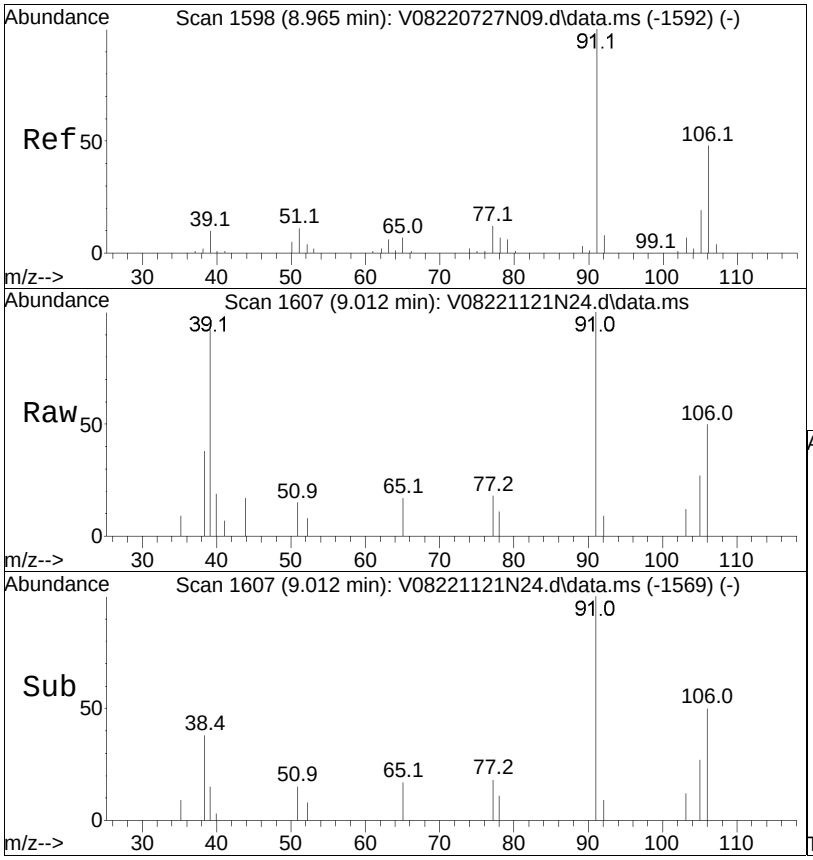


#76
p/m Xylene
Concen: 0.28 ug/L
RT: 8.729 min Scan# 1553
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion:106 Resp: 2589

Ion	Ratio	Lower	Upper
106	100		
91	187.2	166.4	249.6

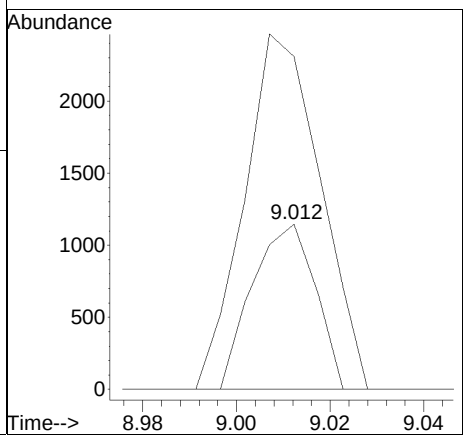


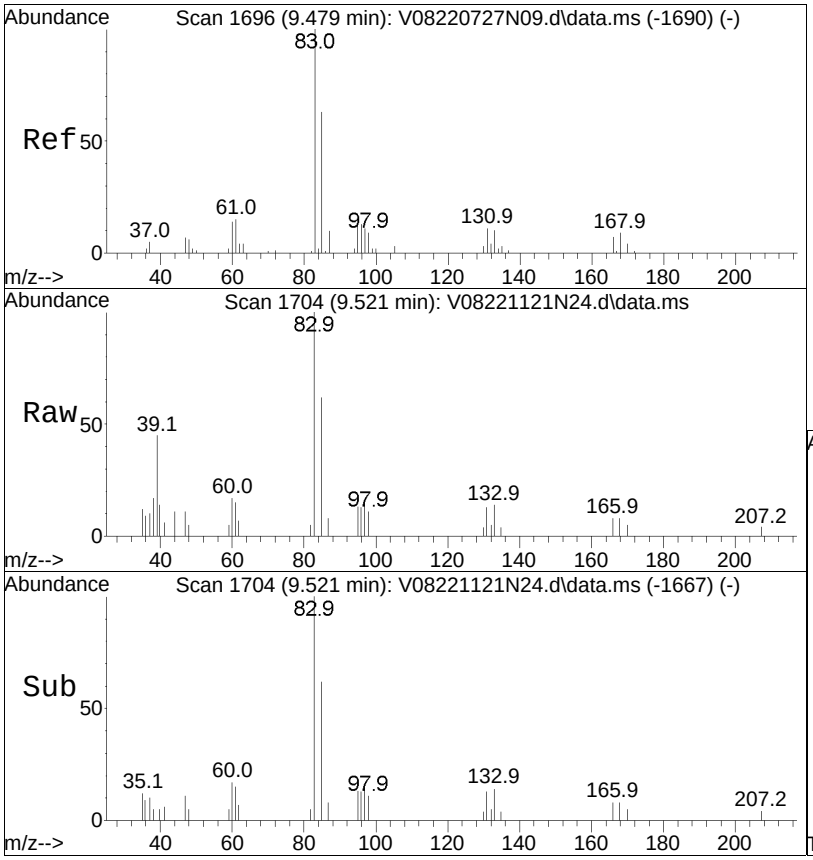


#77
o Xylene
Concen: 0.12 ug/L
RT: 9.012 min Scan# 1607
Delta R.T. 0.000 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion:106 Resp: 1073

Ion	Ratio	Lower	Upper
106	100		
91	258.8	182.6	273.8

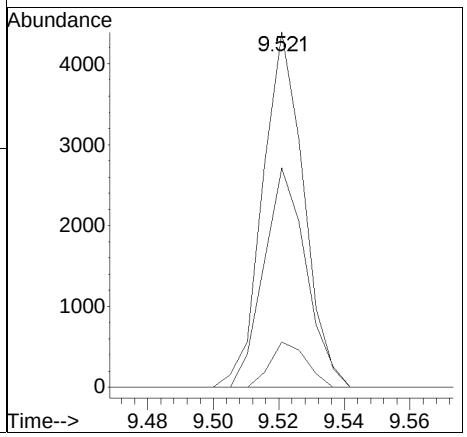




#87
1,1,2,2-Tetrachloroethane
Concen: 0.71 ug/L
RT: 9.521 min Scan# 1704
Delta R.T. -0.005 min
Lab File: V08221121N24.d
Acq: 22 Nov 2022 1:57 am

Tgt Ion: 83 Resp: 3817

Ion	Ratio	Lower	Upper
83	100		
131	11.4	0.0	30.4
85	64.0	45.4	85.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2Q	Method	: V108_221110N_8260.m
Data File	: V08221121N24.d	Operator	: VOA108:MJV
Date Inj'd	: 11/22/2022 1:57 am	Instrument	: VOA 108
Sample	: L2263244-18D,31,1.0,10,,C	Quant Date	: 11/22/2022 6:50 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL19339**
Calibration dates	**: 09/15/22 13:08 09/15/22 16:42**		

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.180	0.218	0.238	0.255	0.265	0.264	0.276	0.242	13.93
3)	TP	Chloromethane		0.239	0.264	0.271	0.294	0.301	0.306	0.321	0.285	9.96
4)	TC	Vinyl chloride	0.207	0.183	0.252	0.266	0.289	0.300	0.305	0.314	0.265	18.05
5)	TP	Bromomethane		0.167	0.138	0.117	0.134	0.163	0.181	0.189	0.156	17.03
6)	TP	Chloroethane		0.124	0.150	0.163	0.177	0.184	0.180	0.129	0.158	15.42
7)	TP	Trichlorofluor		0.245	0.311	0.338	0.363	0.380	0.382	0.399	0.345	15.42
8)	TP	Ethyl ether		0.066	0.081	0.087	0.093	0.097	0.101	0.100	0.089	14.02
10)	TC	1,1-Dichloroet		0.153	0.187	0.200	0.218	0.227	0.231	0.240	0.208	14.66
11)	TP	Carbon disulfide		0.413	0.475	0.485	0.540	0.571	0.582	0.603	0.524	13.10
12)	TP	Freon-113		0.167	0.211	0.228	0.241	0.253	0.253	0.263	0.231	14.41
13)	TP	Iodomethane			0.135	0.199	0.276	0.291	0.289	0.281	*L	0.9988
14)	TP	Acrolein		0.023	0.025	0.027	0.027	0.028	0.031	0.030	0.027	10.49
15)	TP	Methylene chlo		0.235	0.200	0.208	0.224	0.232	0.240	0.241	0.226	7.03
16)	TP	Isopropyl alcohol		0.005	0.008	0.009	0.009	0.009	0.009	0.009	0.008#	17.03
17)	TP	Acetone			0.066	0.048	0.051	0.054	0.050	0.055	0.054	12.08
18)	TP	trans-1,2-Dich		0.162	0.196	0.215	0.235	0.246	0.250	0.254	0.223	15.27
19)	TP	Methyl acetate		0.102	0.096	0.108	0.112	0.119	0.124	0.120	0.111	9.21
20)	TP	Methyl tert butyl ether		0.352	0.400	0.442	0.475	0.495	0.516	0.510	0.456	13.45
21)	TP	tert-Butyl alc		0.010	0.011	0.014	0.013	0.014	0.015	0.015	0.013	14.16
22)	TP	Diisopropyl ether		0.598	0.706	0.785	0.843	0.874	0.904	0.892	0.800	14.12
23)	TP	1,1-Dichloroet		0.312	0.387	0.420	0.457	0.475	0.485	0.472	0.430	14.51
24)	TP	Halothane		0.120	0.151	0.172	0.188	0.195	0.199	0.203	0.175	17.30
25)	TP	Acrylonitrile			0.042	0.050	0.053	0.057	0.059	0.059	0.053	12.42
26)	TP	Ethyl tert-but		0.498	0.568	0.638	0.689	0.722	0.753	0.748	0.659	14.71
27)	TP	Vinyl acetate			0.320	0.428	0.395	0.390	0.505	0.440	0.413	14.84
28)	TP	cis-1,2-Dichlo		0.178	0.230	0.230	0.255	0.265	0.274	0.278	0.244	14.42
29)	TP	2,2-Dichloropr		0.256	0.308	0.327	0.347	0.358	0.361	0.362	0.331	11.73
30)	TP	Bromochloromet		0.078	0.100	0.110	0.114	0.113	0.116	0.115	0.107	12.83
31)	TP	Cyclohexane		0.332	0.429	0.458	0.492	0.513	0.516	0.535	0.468	15.02
32)	TC	Chloroform		0.283	0.327	0.364	0.403	0.422	0.435	0.437	0.381	15.51
33)	TP	Ethyl acetate			0.112	0.160	0.167	0.177	0.186	0.181	0.164	16.60
34)	TP	Carbon tetrachloride		0.236	0.285	0.318	0.346	0.364	0.371	0.384	0.329	16.20
35)	TP	Tetrahydrofuran		0.052	0.043	0.047	0.048	0.048	0.050	0.049	0.048	6.19
36)	S	Dibromofluoromethane	0.265	0.265	0.269	0.267	0.269	0.273	0.273	0.276	0.269	1.46
37)	TP	1,1,1-Trichlor		0.263	0.310	0.341	0.371	0.387	0.394	0.402	0.353	14.50

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL19339**
Calibration dates	**: 09/15/22 13:08 09/15/22 16:42**		

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
38)	TP	2-Butanol			0.011	0.012	0.011	0.012	0.012	0.012	0.012	4.58
39)	TP	2-Butanone			0.054	0.059	0.066	0.072	0.075	0.074	0.067	12.97
40)	TP	1,1-Dichloropr		0.201	0.272	0.299	0.325	0.339	0.344	0.350	0.304	17.54
41)	TP	Benzene	0.940	0.640	0.775	0.850	0.924	0.960	0.981	0.987	0.882	13.77
42)	TP	Tertiary-Amyl Methyl Ether		0.373	0.436	0.478	0.513	0.540	0.564	0.561	0.495	14.28
43)	S	1,2-Dichloroethane-d4	0.293	0.294	0.298	0.290	0.291	0.295	0.299	0.298	0.295	1.07
44)	TP	1,2-Dichloroet		0.224	0.259	0.273	0.295	0.310	0.322	0.320	0.286	12.64
46)	TP	2-Methyl-2-but		0.008	0.009	0.011	0.010	0.010	0.011	0.011	0.010	10.24
47)	TP	Methyl cyclohe		0.274	0.351	0.379	0.409	0.428	0.437	0.458	0.391	16.09
48)	TP	Trichloroethene	0.334	0.183	0.219	0.225	0.260	0.275	0.272	0.283	0.256	18.14
50)	TP	Dibromomethane		0.085	0.099	0.113	0.124	0.131	0.137	0.137	0.118	17.05
51)	TC	1,2-Dichloropr		0.179	0.219	0.233	0.256	0.267	0.276	0.276	0.244	14.65
52)	TP	4-penten-2-ol			0.005	0.008	0.008	0.008	0.009	0.009	0.008#	17.37
54)	TP	Bromodichlorom		0.209	0.254	0.276	0.303	0.324	0.340	0.343	0.293#	16.85
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	3.70
58)	TP	cis-1,3-Dichloropropene		0.239	0.300	0.332	0.366	0.386	0.403	0.405	0.347	17.65
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.293	1.282	1.288	1.292	1.276	1.271	1.253	1.255	1.276	1.23
61)	TC	Toluene		0.566	0.662	0.718	0.773	0.790	0.803	0.815	0.732	12.39
62)	TP	4-Methyl-2-pen		0.049	0.061	0.073	0.077	0.080	0.084	0.082	0.072	17.73
63)	TP	Tetrachloroethene		0.224	0.286	0.317	0.345	0.354	0.358	0.369	0.322	16.02
65)	TP	trans-1,3-Dichloropropene		0.251	0.315	0.359	0.396	0.413	0.431	0.430	0.371	18.16
66)	TP	4-Methyl-2-pen		0.027	0.028	0.035	0.036	0.037	0.039	0.039	0.034	13.97
67)	TP	Ethyl methacry			0.214	0.260	0.287	0.302	0.316	0.313	0.282	13.93
68)	TP	1,1,2-Trichlor		0.125	0.150	0.171	0.180	0.186	0.192	0.192	0.171#	14.55
69)	TP	Chlorodibromom		0.187	0.223	0.252	0.281	0.296	0.310	0.313	0.266	17.77
70)	TP	1,3-Dichloropr		0.267	0.322	0.353	0.379	0.388	0.400	0.397	0.358	13.59
71)	TP	1,2-Dibromoethane		0.150	0.178	0.202	0.218	0.227	0.235	0.234	0.206	15.47
72)	TP	2-Hexanone		0.101	0.103	0.122	0.136	0.142	0.144	0.144	0.128	14.83
73)	TP	Chlorobenzene		0.626	0.734	0.792	0.866	0.896	0.919	0.930	0.823	13.63
74)	TC	Ethylbenzene		1.023	1.230	1.347	1.467	1.523	1.555	1.588	1.390	14.75
75)	TP	1,1,1,2-Tetrac		0.206	0.250	0.277	0.306	0.317	0.330	0.335	0.289	16.39
76)	TP	p/m Xylene		0.382	0.483	0.535	0.586	0.609	0.624	0.636	0.551	16.64
77)	TP	o Xylene		0.383	0.457	0.504	0.552	0.576	0.593	0.600	0.524	15.36
78)	TP	Styrene		0.589	0.707	0.811	0.900	0.950	0.985	0.985	0.847	18.00
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL19339**
Calibration dates	**: 09/15/22 13:08 09/15/22 16:42**		

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
80)	TP	Bromoform		0.196	0.234	0.273	0.297	0.319	0.336	0.337	0.284	18.87
82)	TP	Isopropylbenzene		1.896	2.370	2.562	2.781	2.880	2.951	2.994	2.634	14.97
83)	S	4-Bromofluorobenzene	0.911	0.908	0.907	0.895	0.885	0.888	0.883	0.882	0.895	1.36
84)	TP	Bromobenzene		0.465	0.549	0.591	0.638	0.667	0.693	0.699	0.615	13.91
85)	TP	n-Propylbenzene		2.143	2.670	2.893	3.160	3.295	3.382	3.405	2.993	15.42
86)	TP	1,4-Dichlorobu		0.600	0.649	0.696	0.738	0.774	0.802	0.795	0.722	10.64
87)	TP	1,1,2,2-Tetrac		0.372	0.366	0.421	0.429	0.442	0.484	0.467	0.426	10.42
88)	TP	4-Ethyltoluene		1.810	2.218	2.406	2.645	2.749	2.838	2.865	2.505	15.41
89)	TP	2-Chlorotoluene		1.274	1.590	1.661	1.825	1.898	1.973	1.985	1.743	14.67
90)	TP	1,3,5-Trimethy		1.563	1.863	2.019	2.209	2.301	2.395	2.428	2.111	14.94
91)	TP	1,2,3-Trichlor		0.325	0.308	0.344	0.361	0.380	0.394	0.395	0.358	9.52
92)	TP	trans-1,4-Dich		0.095	0.118	0.127	0.138	0.149	0.157	0.153	0.134	16.58
93)	TP	4-Chlorotoluene		1.360	1.575	1.694	1.874	1.958	2.031	2.047	1.791	14.40
94)	TP	tert-Butylbenzene		1.341	1.604	1.730	1.871	1.952	2.018	2.051	1.795	14.25
97)	TP	1,2,4-Trimethy		1.462	1.793	1.945	2.149	2.240	2.337	2.358	2.040	16.08
98)	TP	sec-Butylbenzene		1.833	2.194	2.411	2.622	2.726	2.816	2.866	2.496	15.05
99)	TP	p-Isopropyltol		1.518	1.859	2.058	2.260	2.354	2.452	2.482	2.141	16.48
100)	TP	1,3-Dichlorobe		0.859	0.984	1.074	1.178	1.239	1.297	1.306	1.134	14.89
101)	TP	1,4-Dichlorobe		0.917	1.027	1.084	1.190	1.251	1.305	1.312	1.155	13.01
102)	TP	p-Diethylbenzene		0.835	1.039	1.148	1.268	1.332	1.391	1.416	1.204	17.52
103)	TP	n-Butylbenzene		1.199	1.411	1.582	1.759	1.835	1.908	1.945	1.663	16.72
104)	TP	1,2-Dichlorobe		0.762	0.878	0.955	1.051	1.099	1.156	1.153	1.008	14.82
105)	TP	1,2,4,5-Tetram		1.117	1.371	1.525	1.712	1.793	1.901	1.900	1.617	18.19
106)	TP	1,2-Dibromo-3-		0.036	0.047	0.058	0.063	0.067	0.072	0.071	*Q	0.9989
107)	TP	1,3,5-Trichlor		0.420	0.504	0.550	0.610	0.639	0.675	0.678	0.582	16.48
108)	TP	Hexachlorobuta		0.164	0.186	0.193	0.210	0.222	0.232	0.239	0.207	13.07
109)	TP	1,2,4-Trichlor		0.352	0.382	0.430	0.479	0.512	0.543	0.543	0.463	16.59
110)	TP	Naphthalene		0.771	0.749	0.871	0.949	1.023	1.091	1.076	0.933	15.02
111)	TP	1,2,3-Trichlor		0.276	0.266	0.299	0.325	0.353	0.376	0.374	0.324#	14.08

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL19400**
Calibration dates	**: 10/12/22 20:17 10/12/22 23:12**		

Calibration Files
L11 =V30221012N04.D L1 =V30221012N06.D L2 =V30221012N08.D L3 =V30221012N09.D L4 =V30221012N10.D
L6 =V30221012N11.D L8 =V30221012N12.D L10 =V30221012N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.126	0.222	0.201	0.230	0.217	0.208	0.215	0.203	17.24
3)	TP	Chloromethane		0.220	0.275	0.235	0.258	0.239	0.228	0.233	0.241	7.94
4)	TC	Vinyl chloride	0.254	0.197	0.304	0.252	0.288	0.274	0.263	0.271	0.263	12.07
5)	TP	Bromomethane		0.118	0.157	0.140	0.166	0.174	0.177	0.194	0.161	15.68
6)	TP	Chloroethane		0.168	0.238	0.191	0.219	0.211	0.211	0.210	0.207	10.65
7)	TP	Trichlorofluor		0.343	0.464	0.427	0.495	0.465	0.442	0.445	0.440	10.94
8)	TP	Ethyl ether		0.098	0.125	0.107	0.118	0.117	0.113	0.115	0.114	7.61
10)	TC	1,1-Dichloroet		0.205	0.290	0.248	0.278	0.262	0.253	0.258	0.256	10.47
11)	TP	Carbon disulfide		0.517	0.721	0.612	0.688	0.649	0.620	0.635	0.634	10.19
12)	TP	Freon-113		0.157	0.304	0.262	0.312	0.297	0.284	0.286	0.272	19.61
13)	TP	Iodomethane			0.149	0.153	0.226	0.257	0.268	0.271	*Q	0.9979
14)	TP	Acrolein		0.024	0.026	0.023	0.024	0.025	0.024	0.025	0.025	3.74
15)	TP	Methylene chlo		0.248	0.265	0.210	0.226	0.210	0.205	0.209	0.225	10.33
17)	TP	Acetone			0.052	0.040	0.039	0.032	0.032	0.033	*L	0.9978
18)	TP	trans-1,2-Dich		0.186	0.245	0.203	0.230	0.215	0.210	0.218	0.215	8.78
19)	TP	Methyl acetate			0.102	0.090	0.096	0.091	0.091	0.092	0.094	4.89
20)	TP	Methyl tert butyl ether		0.251	0.311	0.296	0.373	0.383	0.386	0.409	0.344	16.94
21)	TP	tert-Butyl alc			0.007	0.006	0.007	0.007	0.008	0.008	0.007#	10.54
22)	TP	Diisopropyl ether			0.504	0.486	0.631	0.665	0.670	0.707	0.610	15.23
23)	TP	1,1-Dichloroet		0.358	0.471	0.392	0.432	0.408	0.398	0.413	0.410	8.52
24)	TP	Halothane		0.098	0.178	0.170	0.192	0.181	0.174	0.181	0.168	18.76
25)	TP	Acrylonitrile			0.054	0.044	0.051	0.049	0.047	0.048	0.049	6.59
26)	TP	Ethyl tert-but			0.398	0.386	0.515	0.556	0.575	0.615	0.507	18.79
27)	TP	Vinyl acetate			0.283	0.267	0.354	0.386	0.397	0.425	0.352	18.25
28)	TP	cis-1,2-Dichlo		0.216	0.270	0.227	0.253	0.240	0.236	0.244	0.241	7.33
29)	TP	2,2-Dichloropr		0.153	0.259	0.223	0.271	0.270	0.272	0.291	0.248	18.92
30)	TP	Bromochloromet		0.115	0.135	0.112	0.121	0.115	0.111	0.110	0.117	7.37
31)	TP	Cyclohexane			0.361	0.367	0.462	0.441	0.434	0.453	0.420	10.56
32)	TC	Chloroform		0.355	0.475	0.380	0.419	0.396	0.391	0.403	0.403	9.31
33)	TP	Ethyl acetate			0.096	0.091	0.115	0.120	0.122	0.125	0.111	12.83
34)	TP	Carbon tetrachloride		0.211	0.325	0.304	0.352	0.339	0.334	0.349	0.316	15.50
35)	TP	Tetrahydrofuran			0.030	0.035	0.033	0.031	0.032	0.033	0.032	5.74
36)	S	Dibromofluoromethane	0.353	0.364	0.350	0.308	0.295	0.278	0.278	0.275	0.313	12.03
37)	TP	1,1,1-Trichlor		0.237	0.360	0.307	0.357	0.348	0.344	0.362	0.331	13.76
39)	TP	2-Butanone			0.044	0.044	0.049	0.051	0.050	0.055	0.049	8.91

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL19400**
Calibration dates	**: 10/12/22 20:17 10/12/22 23:12**		

Calibration Files
L11 =V30221012N04.D L1 =V30221012N06.D L2 =V30221012N08.D L3 =V30221012N09.D L4 =V30221012N10.D
L6 =V30221012N11.D L8 =V30221012N12.D L10 =V30221012N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr			0.243	0.251	0.311	0.299	0.296	0.310	0.285	10.49
41) TP	Benzene	0.627	0.617	0.828	0.757	0.896	0.877	0.866	0.891	0.795	14.54
42) TP	Tertiary-Amyl Methyl Ether			0.282	0.267	0.353	0.397	0.417	0.456	*Q	0.9993
43) S	1,2-Dichloroethane-d4	0.352	0.357	0.356	0.318	0.297	0.282	0.285	0.281	0.316	10.85
44) TP	1,2-Dichloroet		0.306	0.323	0.270	0.301	0.292	0.291	0.301	0.298	5.46
47) TP	Methyl cyclohe			0.282	0.299	0.405	0.415	0.417	0.439	0.376	17.91
48) TP	Trichloroethene	0.166	0.157	0.215	0.205	0.246	0.238	0.238	0.247	0.214	16.69
50) TP	Dibromomethane		0.116	0.137	0.116	0.129	0.123	0.122	0.127	0.124	5.98
51) TC	1,2-Dichloropr		0.174	0.215	0.203	0.236	0.233	0.235	0.244	0.220	11.25
53) TP	2-Chloroethyl			0.078	0.074	0.097	0.108	0.110	0.118	0.097	18.57
54) TP	Bromodichlorom		0.284	0.344	0.286	0.321	0.311	0.309	0.320	0.310	6.70
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.84
58) TP	cis-1,3-Dichlo		0.228	0.264	0.252	0.324	0.338	0.346	0.365	0.302	17.66
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.237	1.229	1.257	1.281	1.285	1.262	1.212	1.212	1.247	2.30
61) TC	Toluene		0.501	0.638	0.610	0.732	0.733	0.702	0.731	0.664	13.10
62) TP	4-Methyl-2-pen			0.045	0.040	0.052	0.057	0.058	0.061	0.052	15.43
63) TP	Tetrachloroethene		0.197	0.270	0.267	0.324	0.326	0.310	0.324	0.288	16.55
65) TP	trans-1,3-Dich		0.219	0.255	0.257	0.351	0.376	0.375	0.392	*Q	0.9986
67) TP	Ethyl methacry		0.133	0.164	0.157	0.194	0.207	0.206	0.220	0.183	17.44
68) TP	1,1,2-Trichlor		0.118	0.153	0.153	0.186	0.185	0.179	0.181	0.165#	15.18
69) TP	Chlorodibromom		0.219	0.253	0.253	0.303	0.306	0.298	0.300	0.276	12.35
70) TP	1,3-Dichloropr		0.270	0.323	0.317	0.392	0.388	0.375	0.379	0.349	13.28
71) TP	1,2-Dibromoethane		0.145	0.173	0.174	0.216	0.219	0.212	0.214	0.193#	14.98
72) TP	2-Hexanone		0.083	0.074	0.070	0.082	0.087	0.088	0.090	0.082	9.18
73) TP	Chlorobenzene		0.624	0.755	0.695	0.820	0.826	0.787	0.825	0.762	10.12
74) TC	Ethylbenzene		0.854	1.172	1.146	1.434	1.432	1.373	1.426	1.262	17.30
75) TP	1,1,1,2-Tetrac		0.187	0.240	0.231	0.292	0.320	0.312	0.329	0.273	19.79
76) TP	p/m Xylene		0.327	0.454	0.467	0.562	0.581	0.560	0.600	0.507	19.20
77) TP	o Xylene		0.336	0.439	0.444	0.537	0.554	0.538	0.577	0.489	17.61
78) TP	Styrene		0.527	0.758	0.757	0.907	0.948	0.910	0.930	0.820	18.49
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.236	0.240	0.247	0.317	0.344	0.347	0.378	0.301	19.62
82) TP	Isopropylbenzene		1.466	2.124	2.194	2.660	2.701	2.613	2.753	2.359	19.78
83) S	4-Bromofluorobenzene	0.817	0.822	0.795	0.812	0.784	0.780	0.773	0.782	0.795	2.37
84) TP	Bromobenzene		0.517	0.586	0.547	0.623	0.619	0.607	0.641	0.591	7.57

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL19400**
Calibration dates	**: 10/12/22 20:17 10/12/22 23:12**		

Calibration Files
L11 =V30221012N04.D L1 =V30221012N06.D L2 =V30221012N08.D L3 =V30221012N09.D L4 =V30221012N10.D
L6 =V30221012N11.D L8 =V30221012N12.D L10 =V30221012N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		1.920	2.632	2.729	3.230	3.307	3.173	3.242	2.890	17.45
86) TP	1,4-Dichlorobu		0.543	0.541	0.523	0.626	0.670	0.684	0.744	0.619	13.76
87) TP	1,1,2,2-Tetrac		0.372	0.401	0.370	0.421	0.438	0.436	0.450	0.412	7.84
88) TP	4-Ethyltoluene		1.537	2.117	2.208	2.652	2.740	2.659	2.780	2.385	19.15
89) TP	2-Chlorotoluene		1.451	1.870	1.816	2.117	2.174	2.105	2.256	1.970	14.14
90) TP	1,3,5-Trimethy			1.642	1.758	2.222	2.332	2.269	2.374	2.100	15.05
91) TP	1,2,3-Trichlor		0.261	0.277	0.290	0.329	0.353	0.353	0.377	0.320	13.84
92) TP	trans-1,4-Dich		0.111	0.117	0.113	0.129	0.136	0.135	0.141	0.126	9.56
93) TP	4-Chlorotoluene		1.264	1.643	1.624	1.884	1.897	1.836	1.934	1.726	13.80
94) TP	tert-Butylbenzene			1.619	1.673	2.040	2.060	2.005	2.125	1.920	11.29
97) TP	1,2,4-Trimethy			1.570	1.719	2.184	2.296	2.247	2.336	2.059	15.94
98) TP	sec-Butylbenzene		1.517	2.442	2.578	3.132	3.141	3.029	3.100	*L	0.9993
99) TP	p-Isopropyltol		1.260	1.961	2.153	2.691	2.760	2.690	2.772	*L	0.9990
100) TP	1,3-Dichlorobe		0.981	1.200	1.129	1.297	1.316	1.279	1.337	1.220	10.48
101) TP	1,4-Dichlorobe		0.967	1.208	1.118	1.283	1.299	1.257	1.318	1.207	10.41
102) TP	p-Diethylbenzene			1.107	1.220	1.603	1.688	1.660	1.765	1.507	18.16
103) TP	n-Butylbenzene		1.187	1.801	1.956	2.504	2.532	2.457	2.533	*L	0.9989
104) TP	1,2-Dichlorobe		0.872	1.119	1.018	1.183	1.198	1.154	1.204	1.107	10.99
105) TP	1,2,4,5-Tetram			1.430	1.565	2.119	2.360	2.440	2.598	*Q	0.9991
106) TP	1,2-Dibromo-3-		0.044	0.063	0.058	0.066	0.066	0.068	0.072	0.062	14.68
107) TP	1,3,5-Trichlor		0.715	0.841	0.818	0.975	1.019	1.021	1.080	0.924	14.45
108) TP	Hexachlorobuta		0.287	0.355	0.359	0.431	0.433	0.432	0.460	0.394	15.69
109) TP	1,2,4-Trichlor		0.672	0.724	0.690	0.819	0.849	0.847	0.913	0.788	11.66
110) TP	Naphthalene		1.160	1.224	1.232	1.476	1.529	1.519	1.583	1.389	12.68
111) TP	1,2,3-Trichlor		0.636	0.710	0.662	0.753	0.748	0.739	0.790	0.720	7.53

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL19477**
Calibration dates	**: 11/10/22 17:38 11/10/22 20:39**		

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.154	0.209	0.189	0.192	0.187	0.189	0.192	0.187	8.80
3)	TP	Chloromethane		0.214	0.223	0.209	0.212	0.203	0.203	0.204	0.210	3.45
4)	TC	Vinyl chloride	0.149	0.223	0.258	0.236	0.242	0.232	0.233	0.234	0.226	14.39
5)	TP	Bromomethane		0.219	0.205	0.201	0.210	0.220	0.234	0.248	0.220	7.62
6)	TP	Chloroethane		0.260	0.260	0.232	0.239	0.212	0.206	0.209	0.231	9.96
7)	TP	Trichlorofluor		0.477	0.538	0.505	0.521	0.496	0.490	0.504	0.504	3.98
8)	TP	Ethyl ether		0.183	0.179	0.161	0.162	0.154	0.154	0.153	0.164	7.53
10)	TC	1,1-Dichloroet		0.307	0.322	0.293	0.299	0.285	0.288	0.291	0.298	4.33
11)	TP	Carbon disulfide		0.507	0.560	0.507	0.523	0.505	0.504	0.514	0.517	3.86
12)	TP	Freon-113		0.277	0.337	0.305	0.316	0.301	0.301	0.307	0.306	5.85
13)	TP	Iodomethane		0.298	0.344	0.364	0.394	0.398	0.389	0.384	0.367	9.77
14)	TP	Acrolein		0.051	0.038	0.035	0.035	0.035	0.036	0.037	0.038	14.65
15)	TP	Methylene chlo		0.307	0.266	0.245	0.244	0.237	0.237	0.239	0.253	10.07
17)	TP	Acetone			0.081	0.069	0.068	0.067	0.066	0.067	0.070	8.15
18)	TP	trans-1,2-Dich		0.231	0.249	0.238	0.247	0.240	0.240	0.246	0.242	2.57
19)	TP	Methyl acetate		0.239	0.172	0.163	0.162	0.159	0.161	0.162	0.174	16.55
20)	TP	Methyl tert butyl ether		0.639	0.659	0.634	0.655	0.642	0.644	0.657	0.647	1.52
21)	TP	tert-Butyl alc		0.030	0.030	0.028	0.029	0.029	0.030	0.031	0.030	3.57
22)	TP	Diisopropyl ether		0.670	0.678	0.654	0.684	0.670	0.678	0.688	0.675	1.69
23)	TP	1,1-Dichloroet		0.366	0.410	0.392	0.395	0.385	0.387	0.396	0.390	3.39
24)	TP	Halothane		0.175	0.211	0.195	0.201	0.197	0.200	0.205	0.198	5.73
25)	TP	Acrylonitrile		0.081	0.083	0.075	0.076	0.074	0.075	0.077	0.077	4.20
26)	TP	Ethyl tert-but		0.657	0.690	0.687	0.718	0.713	0.729	0.747	0.706	4.27
27)	TP	Vinyl acetate		0.431	0.476	0.449	0.483	0.442	0.483	0.496	0.466	5.29
28)	TP	cis-1,2-Dichlo		0.257	0.294	0.277	0.280	0.279	0.282	0.285	0.279	4.03
29)	TP	2,2-Dichloropr		0.358	0.383	0.346	0.366	0.358	0.363	0.365	0.363	3.09
30)	TP	Bromochloromet		0.159	0.155	0.156	0.156	0.151	0.152	0.152	0.154	2.00
31)	TP	Cyclohexane		0.337	0.346	0.323	0.336	0.328	0.333	0.345	0.335	2.54
32)	TC	Chloroform		0.440	0.458	0.435	0.448	0.445	0.445	0.447	0.445	1.56
33)	TP	Ethyl acetate		0.222	0.251	0.234	0.240	0.238	0.237	0.238	0.237	3.63
34)	TP	Carbon tetrachloride	0.305	0.303	0.363	0.347	0.370	0.370	0.378	0.387	0.353	9.13
35)	TP	Tetrahydrofuran		0.100	0.090	0.073	0.070	0.071	0.069	0.069	0.077	16.13
36)	S	Dibromofluoromethane	0.294	0.297	0.296	0.294	0.294	0.294	0.293	0.286	0.293	1.14
37)	TP	1,1,1-Trichlor		0.362	0.410	0.382	0.398	0.392	0.394	0.395	0.390	3.88
39)	TP	2-Butanone			0.132	0.109	0.112	0.113	0.114	0.114	0.116	7.12

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL19477**
Calibration dates	**: 11/10/22 17:38 11/10/22 20:39**		

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.297	0.316	0.304	0.315	0.309	0.315	0.318	0.311	2.40
41) TP	Benzene	0.879	0.867	0.956	0.918	0.946	0.955	0.962	0.969	0.931	4.21
42) TP	Tertiary-Amyl Methyl Ether		0.715	0.710	0.696	0.749	0.760	0.774	0.785	0.741	4.63
43) S	1,2-Dichloroethane-d4	0.316	0.323	0.313	0.311	0.305	0.299	0.302	0.301	0.309	2.74
44) TP	1,2-Dichloroet		0.366	0.351	0.334	0.349	0.342	0.345	0.347	0.348	2.82
47) TP	Methyl cyclohe		0.343	0.393	0.372	0.395	0.398	0.405	0.416	0.389	6.18
48) TP	Trichloroethene	0.255	0.234	0.285	0.272	0.277	0.281	0.281	0.282	0.271	6.46
50) TP	Dibromomethane		0.170	0.186	0.183	0.188	0.188	0.190	0.190	0.185	3.82
51) TC	1,2-Dichloropr		0.231	0.243	0.226	0.238	0.237	0.236	0.236	0.235	2.29
53) TP	2-Chloroethyl		0.128	0.149	0.153	0.164	0.167	0.170	0.173	0.158	9.92
54) TP	Bromodichlorom		0.322	0.349	0.339	0.357	0.364	0.365	0.367	0.352	4.75
57) TP	1,4-Dioxane		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	3.99
58) TP	cis-1,3-Dichloropropene		0.390	0.397	0.394	0.422	0.426	0.432	0.439	0.414	4.85
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.238	1.256	1.240	1.214	1.200	1.177	1.175	1.173	1.209	2.72
61) TC	Toluene		0.703	0.798	0.747	0.776	0.782	0.771	0.799	0.768	4.35
62) TP	4-Methyl-2-pen		0.106	0.104	0.110	0.115	0.116	0.114	0.116	0.111	4.42
63) TP	Tetrachloroethene		0.345	0.376	0.359	0.376	0.368	0.367	0.375	0.367	3.12
65) TP	trans-1,3-Dichloropropene		0.439	0.470	0.466	0.491	0.495	0.486	0.496	0.478	4.36
67) TP	Ethyl methacry		0.368	0.360	0.366	0.388	0.391	0.392	0.400	0.381	4.09
68) TP	1,1,2-Trichlor		0.248	0.247	0.241	0.247	0.242	0.237	0.238	0.243	1.85
69) TP	Chlorodibromom		0.340	0.375	0.359	0.379	0.394	0.393	0.402	0.377	5.81
70) TP	1,3-Dichloropr		0.502	0.507	0.493	0.500	0.488	0.478	0.479	0.492	2.29
71) TP	1,2-Dibromoethane		0.324	0.326	0.322	0.331	0.333	0.327	0.329	0.327	1.20
72) TP	2-Hexanone		0.251	0.227	0.208	0.215	0.214	0.207	0.209	0.219	7.27
73) TP	Chlorobenzene		0.939	0.941	0.908	0.941	0.956	0.953	0.987	0.946	2.49
74) TC	Ethylbenzene		1.364	1.505	1.418	1.477	1.504	1.505	1.540	1.473	4.15
75) TP	1,1,1,2-Tetrac		0.331	0.341	0.340	0.367	0.377	0.375	0.390	0.360	6.26
76) TP	p/m Xylene		0.543	0.605	0.578	0.610	0.634	0.633	0.679	0.612	7.10
77) TP	o Xylene		0.510	0.572	0.546	0.585	0.601	0.612	0.656	0.583	8.06
78) TP	Styrene		0.827	0.911	0.917	1.015	1.089	1.097	1.009	0.981	10.18
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.367	0.414	0.428	0.487	0.576	0.601		0.479	19.52
82) TP	Isopropylbenzene		2.559	2.860	2.621	2.693	2.819	2.768	2.729	2.721	3.93
83) S	4-Bromofluorobenzene	0.787	0.807	0.788	0.750	0.755	0.743	0.733	0.708	0.759	4.31
84) TP	Bromobenzene		0.826	0.803	0.750	0.763	0.777	0.771	0.789	0.783	3.29

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL19477**
Calibration dates	**: 11/10/22 17:38 11/10/22 20:39**		

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.967	3.332	3.013	3.137	3.222	3.186	3.089	3.135	4.00
86) TP	1,4-Dichlorobu		0.814	0.801	0.710	0.741	0.764	0.757	0.781	0.767	4.62
87) TP	1,1,2,2-Tetrac		0.713	0.695	0.692	0.709	0.712	0.706	0.703	0.704	1.17
88) TP	4-Ethyltoluene		2.426	2.828	2.553	2.668	2.747	2.661	2.682	2.652	4.92
89) TP	2-Chlorotoluene		2.063	2.256	2.042	2.104	2.149	2.088	2.136	2.120	3.34
90) TP	1,3,5-Trimethy		2.149	2.331	2.180	2.317	2.379	2.323	2.386	2.295	4.07
91) TP	1,2,3-Trichlor		0.662	0.631	0.563	0.589	0.594	0.578	0.593	0.601	5.59
92) TP	trans-1,4-Dich		0.195	0.192	0.177	0.182	0.187	0.183	0.186	0.186	3.17
93) TP	4-Chlorotoluene		1.892	2.045	1.826	1.881	1.905	1.861	1.873	1.898	3.68
94) TP	tert-Butylbenzene		2.004	2.179	1.971	2.060	2.086	2.063	2.129	2.070	3.41
97) TP	1,2,4-Trimethy		2.016	2.298	2.155	2.297	2.414	2.365	2.388	2.276	6.29
98) TP	sec-Butylbenzene		2.634	3.151	2.803	2.993	3.068	2.982	2.954	2.941	5.87
99) TP	p-Isopropyltol		2.301	2.720	2.506	2.706	2.816	2.754	2.806	2.659	7.08
100) TP	1,3-Dichlorobe		1.465	1.555	1.419	1.487	1.554	1.524	1.584	1.513	3.86
101) TP	1,4-Dichlorobe		1.523	1.607	1.458	1.502	1.542	1.509	1.580	1.532	3.27
102) TP	p-Diethylbenzene		1.337	1.588	1.475	1.562	1.663	1.662	1.787	1.582	9.18
103) TP	n-Butylbenzene		1.972	2.283	2.080	2.219	2.319	2.274	2.334	2.212	6.13
104) TP	1,2-Dichlorobe		1.546	1.527	1.409	1.455	1.487	1.459	1.530	1.488	3.33
105) TP	1,2,4,5-Tetram		2.086	2.343	2.231	2.467	2.631	2.710	2.822	2.470	10.81
106) TP	1,2-Dibromo-3-		0.118	0.141	0.141	0.149	0.155	0.158	0.167	0.147	10.78
107) TP	1,3,5-Trichlor		1.043	1.117	1.010	1.094	1.109	1.149	1.234	1.108	6.58
108) TP	Hexachlorobuta		0.421	0.503	0.439	0.463	0.462	0.467	0.503	0.465	6.50
109) TP	1,2,4-Trichlor		1.005	1.122	0.990	1.037	1.020	1.047	1.125	1.050	5.15
110) TP	Naphthalene		2.833	2.907	2.641	2.785	2.777	2.786	2.808	2.791	2.87
111) TP	1,2,3-Trichlor		1.054	1.142	0.975	1.022	1.031	1.045	1.113	1.054	5.36

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA116**	**Ical Ref**	**: ICAL19484**
Calibration dates	**: 11/12/22 14:00 11/12/22 17:39**		

Calibration Files
L11 =V16221112A03.D L1 =V16221112A05.D L2 =V16221112A07.D L3 =V16221112A08.D L4 =V16221112A09.D
L6 =V16221112A10.D L8 =V16221112A11.D L10 =V16221112A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.190	0.223	0.260	0.260	0.251	0.244	0.242	0.238	10.47
3)	TP	Chloromethane		0.330	0.349	0.369	0.367	0.358	0.354	0.356	0.355	3.65
4)	TC	Vinyl chloride	0.296	0.257	0.321	0.363	0.361	0.352	0.346	0.346	0.330	11.21
5)	TP	Bromomethane		0.189	0.221	0.221	0.212	0.208	0.206	0.207	0.209	5.24
6)	TP	Chloroethane		0.179	0.203	0.218	0.217	0.213	0.208	0.203	0.206	6.50
7)	TP	Trichlorofluor		0.282	0.361	0.419	0.411	0.394	0.388	0.384	0.377	12.16
8)	TP	Ethyl ether		0.092	0.101	0.115	0.115	0.114	0.113	0.113	0.109	8.37
10)	TC	1,1-Dichloroet		0.170	0.220	0.244	0.248	0.244	0.239	0.238	0.229	11.97
11)	TP	Carbon disulfide		0.361	0.437	0.469	0.468	0.462	0.465	0.464	0.447	8.76
12)	TP	Freon-113		0.190	0.247	0.276	0.281	0.272	0.268	0.268	0.257	12.30
13)	TP	Iodomethane			0.048	0.143	0.217	0.250	0.255	0.255	*L	0.9977
14)	TP	Acrolein		0.033	0.045	0.044	0.043	0.041	0.041	0.041	0.041	9.39
15)	TP	Methylene chlo		0.272	0.258	0.272	0.268	0.264	0.261	0.259	0.265	2.25
17)	TP	Acetone			0.105	0.076	0.066	0.066	0.067	0.067	*L	0.9997
18)	TP	trans-1,2-Dich		0.195	0.246	0.272	0.271	0.271	0.266	0.268	0.255	11.02
19)	TP	Methyl acetate			0.158	0.177	0.170	0.162	0.157	0.152	0.163	5.60
21)	TP	Methyl tert butyl ether		0.482	0.519	0.599	0.593	0.593	0.587	0.583	0.565	8.11
22)	TP	tert-Butyl alc		0.016	0.017	0.020	0.020	0.020	0.020	0.021	0.019	8.78
24)	TP	Diisopropyl ether		0.938	1.014	1.160	1.151	1.133	1.102	1.079	1.082	7.48
25)	TP	1,1-Dichloroet		0.470	0.545	0.592	0.582	0.575	0.561	0.540	0.552	7.42
26)	TP	Halothane		0.155	0.186	0.212	0.210	0.210	0.206	0.209	0.198	10.61
27)	TP	Acrylonitrile		0.068	0.071	0.084	0.081	0.079	0.080	0.080	0.078	7.61
28)	TP	Ethyl tert-but		0.794	0.853	0.988	0.973	0.971	0.959	0.951	0.927	7.96
29)	TP	Vinyl acetate		0.690	0.578	0.631	0.601	0.574	0.543	0.529	0.592	9.29
30)	TP	cis-1,2-Dichlo		0.240	0.279	0.300	0.293	0.293	0.290	0.296	0.284	7.31
31)	TP	2,2-Dichloropr		0.359	0.392	0.426	0.425	0.410	0.395	0.386	0.399	5.91
33)	TP	Bromochloromet		0.102	0.120	0.130	0.123	0.117	0.116	0.117	0.118	7.12
34)	TP	Cyclohexane		0.502	0.588	0.675	0.674	0.649	0.635	0.637	0.623	9.73
35)	TC	Chloroform		0.410	0.481	0.529	0.520	0.518	0.510	0.510	0.497	8.31
36)	TP	Ethyl acetate		0.338	0.249	0.266	0.249	0.248	0.247	0.244	0.263	12.86
37)	TP	Carbon tetrachloride	0.332	0.312	0.375	0.413	0.416	0.409	0.401	0.404	0.383	10.41
38)	TP	Tetrahydrofuran		0.096	0.086	0.091	0.083	0.081	0.081	0.080	0.085	7.02
39)	S	Dibromofluoromethane	0.272	0.264	0.269	0.268	0.268	0.270	0.273	0.273	0.270	1.11
40)	TP	1,1,1-Trichlor		0.335	0.389	0.437	0.438	0.433	0.426	0.428	0.412	9.25
42)	TP	2-Butanone			0.129	0.109	0.105	0.104	0.104	0.104	0.109	9.01

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA116**	**Ical Ref**	**: ICAL19484**
Calibration dates	**: 11/12/22 14:00 11/12/22 17:39**		

Calibration Files
L11 =V16221112A03.D L1 =V16221112A05.D L2 =V16221112A07.D L3 =V16221112A08.D L4 =V16221112A09.D
L6 =V16221112A10.D L8 =V16221112A11.D L10 =V16221112A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.287	0.357	0.400	0.404	0.398	0.389	0.391	0.375	11.14
45) TP	Benzene	1.040	0.872	1.014	1.130	1.113	1.107	1.081	1.079	1.055	7.88
46) TP	Tertiary-Amyl Methyl Ether		0.536	0.611	0.711	0.712	0.719	0.715	0.713	0.674	10.66
47) S	1,2-Dichloroethane-d4	0.325	0.324	0.329	0.323	0.324	0.327	0.333	0.336	0.328	1.42
48) T	1,2-Dichloroet		0.321	0.360	0.398	0.418	0.405	0.400	0.403	0.386	8.82
51) TP	Methyl cyclohe		0.378	0.466	0.548	0.561	0.546	0.542	0.544	0.512	13.04
52) TP	Trichloroethene	0.278	0.236	0.267	0.303	0.304	0.307	0.306	0.310	0.289	9.19
54) TP	Dibromomethane		0.121	0.139	0.159	0.159	0.155	0.154	0.149	0.148	9.31
55) TC	1,2-Dichloropr		0.245	0.295	0.368	0.359	0.354	0.350	0.351	0.332	13.52
57) TP	2-Chloroethyl		0.125	0.137	0.176	0.159	0.160	0.159	0.155	0.153	10.85
58) TP	Bromodichlorom		0.292	0.325	0.342	0.343	0.337	0.331	0.333	0.329	5.36
61) TP	1,4-Dioxane		0.001	0.001	0.002	0.001	0.002	0.002	0.002	0.002#	7.30
62) TP	cis-1,3-Dichloropropene	0.506	0.432	0.452	0.499	0.492	0.489	0.480	0.475	0.478	5.23
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.286	1.299	1.293	1.301	1.289	1.303	1.281	1.282	1.292	0.66
65) TC	Toluene		0.735	0.819	0.907	0.903	0.905	0.879	0.890	0.863	7.41
66) TP	4-Methyl-2-pen			0.091	0.112	0.112	0.113	0.114	0.113	0.109	8.23
67) TP	Tetrachloroethene		0.291	0.358	0.396	0.400	0.402	0.391	0.393	0.376	10.72
69) TP	trans-1,3-Dichloropropene	0.498	0.429	0.471	0.538	0.545	0.536	0.529	0.527	0.509	7.97
71) TP	Ethyl methacry		0.318	0.332	0.376	0.376	0.376	0.375	0.373	0.361	6.92
72) TP	1,1,2-Trichlor		0.191	0.214	0.242	0.240	0.238	0.235	0.235	0.228	8.22
73) TP	Chlorodibromom		0.260	0.294	0.350	0.353	0.353	0.350	0.352	0.330	11.44
74) TP	1,3-Dichloropr		0.424	0.455	0.519	0.509	0.500	0.494	0.494	0.485	6.94
75) TP	1,2-Dibromoethane		0.236	0.250	0.285	0.283	0.280	0.278	0.278	0.270	7.07
77) TP	2-Hexanone		0.235	0.202	0.212	0.209	0.204	0.205	0.200	0.210	5.76
78) TP	Chlorobenzene		0.820	0.885	0.978	0.981	0.977	0.957	0.955	0.936	6.51
79) TC	Ethylbenzene		1.460	1.617	1.757	1.757	1.740	1.690	1.680	1.672	6.34
80) TP	1,1,1,2-Tetrac		0.264	0.311	0.355	0.360	0.358	0.353	0.354	0.336	10.75
81) TP	p/m Xylene		0.530	0.607	0.661	0.662	0.664	0.650	0.649	0.632	7.80
82) TP	o Xylene		0.505	0.553	0.614	0.612	0.609	0.593	0.593	0.583	6.91
83) TP	Styrene		0.817	0.907	1.021	1.017	1.015	0.988	0.972	0.962	7.86
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.303	0.348	0.416	0.427	0.431	0.437	0.437	0.400	13.20
87) TP	Isopropylbenzene		2.574	2.988	3.626	3.627	3.520	3.479	3.409	3.317	11.85
88) S	4-Bromofluorobenzene	0.955	0.953	0.949	0.960	0.942	0.930	0.940	0.927	0.945	1.25
89) TP	Bromobenzene		0.596	0.676	0.757	0.770	0.754	0.757	0.752	0.723	8.86

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA116**	**Ical Ref**	**: ICAL19484**
Calibration dates	**: 11/12/22 14:00 11/12/22 17:39**		

Calibration Files
L11 =V16221112A03.D L1 =V16221112A05.D L2 =V16221112A07.D L3 =V16221112A08.D L4 =V16221112A09.D
L6 =V16221112A10.D L8 =V16221112A11.D L10 =V16221112A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		3.141	3.697	4.010	4.025	3.879	3.824	3.708	3.755	7.99
91) TP	1,4-Dichlorobu		1.049	0.979	1.093	1.074	1.038	1.047	1.029	1.044	3.46
92) TP	1,1,2,2-Tetrac		0.541	0.548	0.631	0.625	0.605	0.603	0.590	0.592	5.93
93) TP	4-Ethyltoluene		2.538	2.885	3.200	3.219	3.128	3.099	3.030	3.014	7.91
94) TP	2-Chlorotoluene		2.104	2.452	2.649	2.609	2.571	2.529	2.501	2.488	7.31
95) TP	1,3,5-Trimethy		2.216	2.498	2.781	2.775	2.669	2.661	2.618	2.602	7.52
96) TP	1,2,3-Trichlor		0.456	0.469	0.527	0.514	0.497	0.495	0.500	0.494	4.96
97) TP	trans-1,4-Dich		0.178	0.190	0.216	0.233	0.215	0.217	0.217	0.209	8.95
98) TP	4-Chlorotoluene		1.811	2.127	2.385	2.351	2.309	2.273	2.246	2.215	8.88
99) TP	tert-Butylbenzene		1.833	2.158	2.347	2.388	2.298	2.282	2.262	2.224	8.40
102) TP	1,2,4-Trimethy		2.145	2.442	2.700	2.710	2.624	2.612	2.569	2.543	7.75
103) TP	sec-Butylbenzene		2.078	2.314	2.445	2.413	2.378	2.537	2.573	2.391	6.87
104) TP	p-Isopropyltol		2.195	2.719	3.017	3.063	2.938	2.922	2.871	2.818	10.51
105) TP	1,3-Dichlorobe		1.209	1.328	1.483	1.482	1.447	1.433	1.432	1.402	7.10
106) TP	1,4-Dichlorobe		1.227	1.344	1.472	1.470	1.436	1.431	1.434	1.402	6.28
107) TP	p-Diethylbenzene		1.301	1.549	1.778	1.830	1.767	1.770	1.766	1.680	11.29
108) TP	n-Butylbenzene		2.096	2.444	2.713	2.765	2.647	2.631	2.579	2.554	8.86
109) TP	1,2-Dichlorobe		1.099	1.230	1.353	1.341	1.311	1.313	1.305	1.279	6.92
110) TP	1,2,4,5-Tetram		1.968	2.266	2.562	2.645	2.597	2.620	2.565	2.460	10.23
111) TP	1,2-Dibromo-3-		0.082	0.084	0.096	0.101	0.100	0.104	0.104	0.096	9.49
112) TP	1,3,5-Trichlor		0.791	0.927	1.043	1.059	1.055	1.069	1.061	1.001	10.47
113) TP	Hexachlorobuta		0.308	0.360	0.393	0.411	0.410	0.421	0.429	0.390	10.96
114) TP	1,2,4-Trichlor		0.689	0.796	0.930	0.941	0.936	0.955	0.962	0.887	11.72
115) TP	Naphthalene		1.437	1.652	1.927	1.932	1.901	1.925	1.887	1.809	10.59
116) TP	1,2,3-Trichlor		0.659	0.680	0.803	0.829	0.817	0.829	0.831	0.778	9.67

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2022\220915A\
Method File : V101_220915A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Sep 16 14:19:11 2022
Response Via : Initial Calibration

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.180	0.218	0.238	0.255	0.265	0.264	0.276	0.242	13.93
3)	TP	Chloromethane		0.239	0.264	0.271	0.294	0.301	0.306	0.321	0.285	9.96
4)	TC	Vinyl chloride	0.207	0.183	0.252	0.266	0.289	0.300	0.305	0.314	0.265	18.05
5)	TP	Bromomethane		0.167	0.138	0.117	0.134	0.163	0.181	0.189	0.156	17.03
6)	TP	Chloroethane		0.124	0.150	0.163	0.177	0.184	0.180	0.129	0.158	15.42
7)	TP	Trichlorofluor...		0.245	0.311	0.338	0.363	0.380	0.382	0.399	0.345	15.42
8)	TP	Ethyl ether		0.066	0.081	0.087	0.093	0.097	0.101	0.100	0.089	14.02
10)	TC	1,1-Dichloroet...		0.153	0.187	0.200	0.218	0.227	0.231	0.240	0.208	14.66
11)	TP	Carbon disulfide		0.413	0.475	0.485	0.540	0.571	0.582	0.603	0.524	13.10
12)	TP	Freon-113		0.167	0.211	0.228	0.241	0.253	0.253	0.263	0.231	14.41
13)	TP	Iodomethane			0.135	0.199	0.276	0.291	0.289	0.281	*L	0.9988
14)	TP	Acrolein		0.023	0.025	0.027	0.027	0.028	0.031	0.030	0.027	10.49
15)	TP	Methylene chlo...		0.235	0.200	0.208	0.224	0.232	0.240	0.241	0.226	7.03
16)	TP	Isopropyl alcohol		0.005	0.008	0.009	0.009	0.009	0.009	0.009	0.008#	17.03
17)	TP	Acetone			0.066	0.048	0.051	0.054	0.050	0.055	0.054	12.08
18)	TP	trans-1,2-Dich...		0.162	0.196	0.215	0.235	0.246	0.250	0.254	0.223	15.27
19)	TP	Methyl acetate		0.102	0.096	0.108	0.112	0.119	0.124	0.120	0.111	9.21
20)	TP	Methyl tert-bu...		0.352	0.400	0.442	0.475	0.495	0.516	0.510	0.456	13.45
21)	TP	tert-Butyl alc...		0.010	0.011	0.014	0.013	0.014	0.015	0.015	0.013	14.16
22)	TP	Diisopropyl ether		0.598	0.706	0.785	0.843	0.874	0.904	0.892	0.800	14.12
23)	TP	1,1-Dichloroet...		0.312	0.387	0.420	0.457	0.475	0.485	0.472	0.430	14.51
24)	TP	Halothane		0.120	0.151	0.172	0.188	0.195	0.199	0.203	0.175	17.30
25)	TP	Acrylonitrile			0.042	0.050	0.053	0.057	0.059	0.059	0.053	12.42
26)	TP	Ethyl tert-but...		0.498	0.568	0.638	0.689	0.722	0.753	0.748	0.659	14.71
27)	TP	Vinyl acetate			0.320	0.428	0.395	0.390	0.505	0.440	0.413	14.84
28)	TP	cis-1,2-Dichlo...		0.178	0.230	0.230	0.255	0.265	0.274	0.278	0.244	14.42
29)	TP	2,2-Dichloropr...		0.256	0.308	0.327	0.347	0.358	0.361	0.362	0.331	11.73
30)	TP	Bromochloromet...		0.078	0.100	0.110	0.114	0.113	0.116	0.115	0.107	12.83
31)	TP	Cyclohexane		0.332	0.429	0.458	0.492	0.513	0.516	0.535	0.468	15.02
32)	TC	Chloroform		0.283	0.327	0.364	0.403	0.422	0.435	0.437	0.381	15.51

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2022\220915A\
Method File : V101_220915A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Sep 16 14:19:11 2022
Response Via : Initial Calibration

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
33)	TP	Ethyl acetate		0.112	0.160	0.167	0.177	0.186	0.181	0.164		16.60
34)	TP	Carbon tetrach...		0.236	0.285	0.318	0.346	0.364	0.371	0.384	0.329	16.20
35)	TP	Tetrahydrofuran		0.052	0.043	0.047	0.048	0.048	0.050	0.049	0.048	6.19
36)	S	Dibromofluorom...	0.265	0.265	0.269	0.267	0.269	0.273	0.273	0.276	0.269	1.46
37)	TP	1,1,1-Trichlor...		0.263	0.310	0.341	0.371	0.387	0.394	0.402	0.353	14.50
38)	TP	2-Butanol			0.011	0.012	0.011	0.012	0.012	0.012	0.012	4.58
39)	TP	2-Butanone			0.054	0.059	0.066	0.072	0.075	0.074	0.067	12.97
40)	TP	1,1-Dichloropr...		0.201	0.272	0.299	0.325	0.339	0.344	0.350	0.304	17.54
41)	TP	Benzene	0.940	0.640	0.775	0.850	0.924	0.960	0.981	0.987	0.882	13.77
42)	TP	tert-Amyl meth...		0.373	0.436	0.478	0.513	0.540	0.564	0.561	0.495	14.28
43)	S	1,2-Dichloroet...	0.293	0.294	0.298	0.290	0.291	0.295	0.299	0.298	0.295	1.07
44)	TP	1,2-Dichloroet...		0.224	0.259	0.273	0.295	0.310	0.322	0.320	0.286	12.64
46)	TP	2-Methyl-2-but...		0.008	0.009	0.011	0.010	0.010	0.011	0.011	0.010	10.24
47)	TP	Methyl cyclohe...		0.274	0.351	0.379	0.409	0.428	0.437	0.458	0.391	16.09
48)	TP	Trichloroethene	0.334	0.183	0.219	0.225	0.260	0.275	0.272	0.283	0.256	18.14
50)	TP	Dibromomethane		0.085	0.099	0.113	0.124	0.131	0.137	0.137	0.118	17.05
51)	TC	1,2-Dichloropr...		0.179	0.219	0.233	0.256	0.267	0.276	0.276	0.244	14.65
52)	TP	4-penten-2-ol			0.005	0.008	0.008	0.008	0.009	0.009	0.008#	17.37
54)	TP	Bromodichlorom...		0.209	0.254	0.276	0.303	0.324	0.340	0.343	0.293#	16.85
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	3.70
58)	TP	cis-1,3-Dichlo...		0.239	0.300	0.332	0.366	0.386	0.403	0.405	0.347	17.65
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.293	1.282	1.288	1.292	1.276	1.271	1.253	1.255	1.276	1.23
61)	TC	Toluene		0.566	0.662	0.718	0.773	0.790	0.803	0.815	0.732	12.39
62)	TP	4-Methyl-2-pen...		0.049	0.061	0.073	0.077	0.080	0.084	0.082	0.072	17.73
63)	TP	Tetrachloroethene		0.224	0.286	0.317	0.345	0.354	0.358	0.369	0.322	16.02
65)	TP	trans-1,3-Dich...		0.251	0.315	0.359	0.396	0.413	0.431	0.430	0.371	18.16
66)	TP	4-Methyl-2-pen...		0.027	0.028	0.035	0.036	0.037	0.039	0.039	0.034	13.97
67)	TP	Ethyl methacry...			0.214	0.260	0.287	0.302	0.316	0.313	0.282	13.93
68)	TP	1,1,2-Trichlor...		0.125	0.150	0.171	0.180	0.186	0.192	0.192	0.171#	14.55
69)	TP	Chlorodibromom...		0.187	0.223	0.252	0.281	0.296	0.310	0.313	0.266	17.77

Method Path : I:\VOLATILES\VOA101\2022\220915A\
Method File : V101_220915A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Sep 16 14:19:11 2022
Response Via : Initial Calibration

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
70)	TP	1,3-Dichloropr...		0.267	0.322	0.353	0.379	0.388	0.400	0.397	0.358	13.59
71)	TP	1,2-Dibromoethane		0.150	0.178	0.202	0.218	0.227	0.235	0.234	0.206	15.47
72)	TP	2-Hexanone		0.101	0.103	0.122	0.136	0.142	0.144	0.144	0.128	14.83
73)	TP	Chlorobenzene		0.626	0.734	0.792	0.866	0.896	0.919	0.930	0.823	13.63
74)	TC	Ethylbenzene		1.023	1.230	1.347	1.467	1.523	1.555	1.588	1.390	14.75
75)	TP	1,1,1,2-Tetrac...		0.206	0.250	0.277	0.306	0.317	0.330	0.335	0.289	16.39
76)	TP	p/m Xylene		0.382	0.483	0.535	0.586	0.609	0.624	0.636	0.551	16.64
77)	TP	o Xylene		0.383	0.457	0.504	0.552	0.576	0.593	0.600	0.524	15.36
78)	TP	Styrene		0.589	0.707	0.811	0.900	0.950	0.985	0.985	0.847	18.00
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.196	0.234	0.273	0.297	0.319	0.336	0.337	0.284	18.87
82)	TP	Isopropylbenzene		1.896	2.370	2.562	2.781	2.880	2.951	2.994	2.634	14.97
83)	S	4-Bromofluorob...	0.911	0.908	0.907	0.895	0.885	0.888	0.883	0.882	0.895	1.36
84)	TP	Bromobenzene		0.465	0.549	0.591	0.638	0.667	0.693	0.699	0.615	13.91
85)	TP	n-Propylbenzene		2.143	2.670	2.893	3.160	3.295	3.382	3.405	2.993	15.42
86)	TP	1,4-Dichlorobu...		0.600	0.649	0.696	0.738	0.774	0.802	0.795	0.722	10.64
87)	TP	1,1,2,2-Tetrac...		0.372	0.366	0.421	0.429	0.442	0.484	0.467	0.426	10.42
88)	TP	4-Ethyltoluene		1.810	2.218	2.406	2.645	2.749	2.838	2.865	2.505	15.41
89)	TP	2-Chlorotoluene		1.274	1.590	1.661	1.825	1.898	1.973	1.985	1.743	14.67
90)	TP	1,3,5-Trimethy...		1.563	1.863	2.019	2.209	2.301	2.395	2.428	2.111	14.94
91)	TP	1,2,3-Trichlor...		0.325	0.308	0.344	0.361	0.380	0.394	0.395	0.358	9.52
92)	TP	trans-1,4-Dich...		0.095	0.118	0.127	0.138	0.149	0.157	0.153	0.134	16.58
93)	TP	4-Chlorotoluene		1.360	1.575	1.694	1.874	1.958	2.031	2.047	1.791	14.40
94)	TP	tert-Butylbenzene		1.341	1.604	1.730	1.871	1.952	2.018	2.051	1.795	14.25
97)	TP	1,2,4-Trimethy...		1.462	1.793	1.945	2.149	2.240	2.337	2.358	2.040	16.08
98)	TP	sec-Butylbenzene		1.833	2.194	2.411	2.622	2.726	2.816	2.866	2.496	15.05
99)	TP	p-Isopropyltol...		1.518	1.859	2.058	2.260	2.354	2.452	2.482	2.141	16.48
100)	TP	1,3-Dichlorobe...		0.859	0.984	1.074	1.178	1.239	1.297	1.306	1.134	14.89
101)	TP	1,4-Dichlorobe...		0.917	1.027	1.084	1.190	1.251	1.305	1.312	1.155	13.01
102)	TP	p-Diethylbenzene		0.835	1.039	1.148	1.268	1.332	1.391	1.416	1.204	17.52
103)	TP	n-Butylbenzene		1.199	1.411	1.582	1.759	1.835	1.908	1.945	1.663	16.72

Method Path : I:\VOLATILES\VOA101\2022\220915A\
Method File : V101_220915A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Sep 16 14:19:11 2022
Response Via : Initial Calibration

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

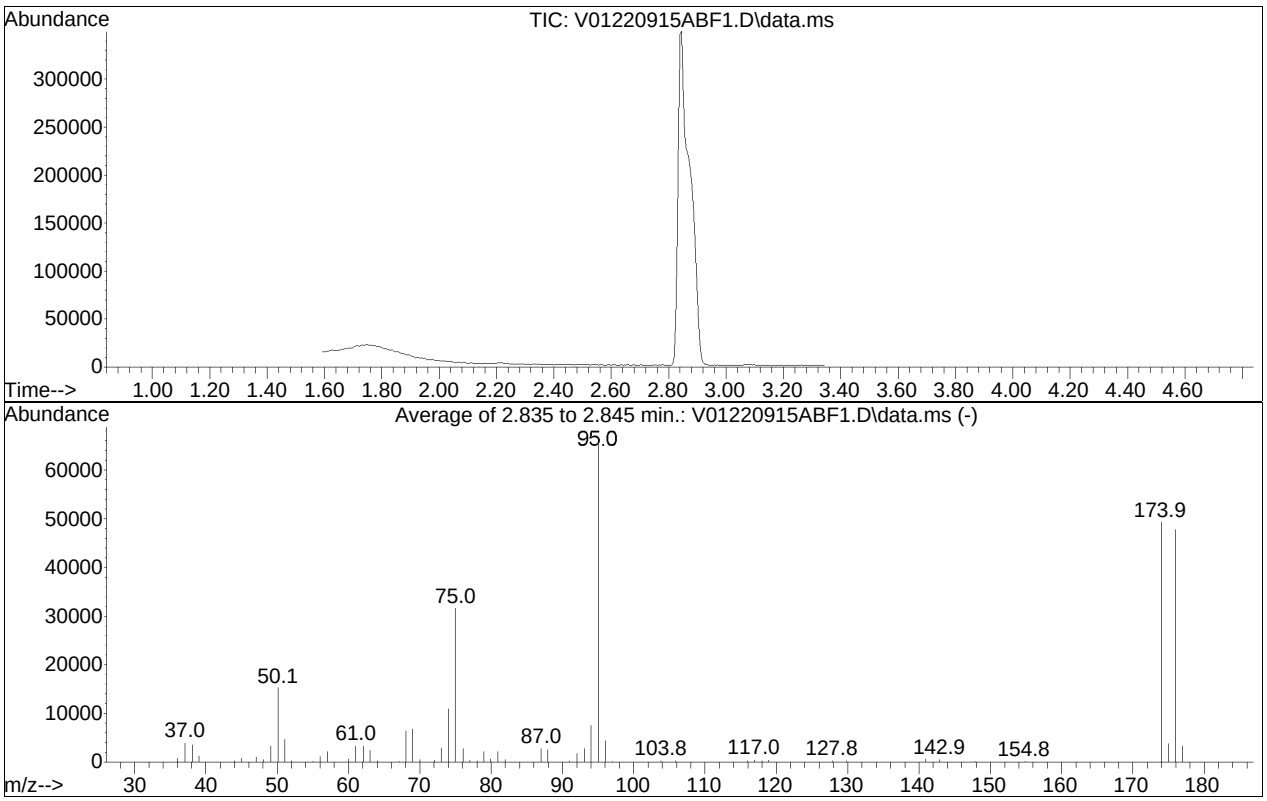
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
104)	TP 1,2-Dichlorobe...	0.762	0.878	0.955	1.051	1.099	1.156	1.153	1.008		14.82
105)	TP 1,2,4,5-Tetram...	1.117	1.371	1.525	1.712	1.793	1.901	1.900	1.617		18.19
106)	TP 1,2-Dibromo-3-...	0.036	0.047	0.058	0.063	0.067	0.072	0.071	*Q		0.9989
107)	TP 1,3,5-Trichlor...	0.420	0.504	0.550	0.610	0.639	0.675	0.678	0.582		16.48
108)	TP Hexachlorobuta...	0.164	0.186	0.193	0.210	0.222	0.232	0.239	0.207		13.07
109)	TP 1,2,4-Trichlor...	0.352	0.382	0.430	0.479	0.512	0.543	0.543	0.463		16.59
110)	TP Naphthalene	0.771	0.749	0.871	0.949	1.023	1.091	1.076	0.933		15.02
111)	TP 1,2,3-Trichlor...	0.276	0.266	0.299	0.325	0.353	0.376	0.374	0.324#		14.08

(#) = Out of Range

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915ABF1.D
Acq On : 15 Sep 2022 11:10 am
Operator : VOA101:MKS
Sample : WG1688474-1
Misc : WG1688474
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Sep 16 14:19:11 2022



AutoFind: Scans 238, 239, 240; Background Corrected with Scan 231

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	15265	PASS
75	95	30	60	48.3	31688	PASS
95	95	100	100	100.0	65637	PASS
96	95	5	9	6.8	4435	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.1	49272	PASS
175	174	5	9	7.6	3733	PASS
176	174	95	101	97.0	47776	PASS
177	176	5	9	6.8	3261	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A05.D
Acq On : 15 Sep 2022 1:08 pm
Operator : VOA101:MKS
Sample : I8260STD0.19PPB
Misc : WG1688474
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 16 14:16:26 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:16:17 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	498382	10.000	ug/L	0.00
Standard Area 1 = 492854			Recovery = 101.12%			
59) Chlorobenzene-d5	9.660	117	382975	10.000	ug/L	0.00
Standard Area 1 = 380882			Recovery = 100.55%			
79) 1,4-Dichlorobenzene-d4	12.337	152	194313	10.000	ug/L	0.00
Standard Area 1 = 198713			Recovery = 97.79%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.310	113	132192	9.842	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.42%			
43) 1,2-Dichloroethane-d4	5.834	65	146134	9.947	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.47%			
60) Toluene-d8	7.811	98	495262	10.132	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.32%			
83) 4-Bromofluorobenzene	11.138	95	177044	10.181	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.81%			
Target Compounds						Qvalue
4) Vinyl chloride	1.977	62	1959	0.149	ug/L #	56
34) Carbon tetrachloride	5.273	117	6315	0.317	ug/L #	90
41) Benzene	5.708	78	8900	0.202	ug/L #	81
48) Trichloroethene	6.313	95	3167M1	0.248	ug/L	
58) cis-1,3-Dichloropropene	7.621	75	2475	0.143	ug/L #	61
65) trans-1,3-Dichloropropene	8.371	75	2066M1	0.145	ug/L	
74) Ethylbenzene	9.727	91	11566	0.217	ug/L #	69
76) p/m Xylene	9.905	106	8204	0.389	ug/L	95
78) Styrene	10.516	104	9498	0.293	ug/L	96

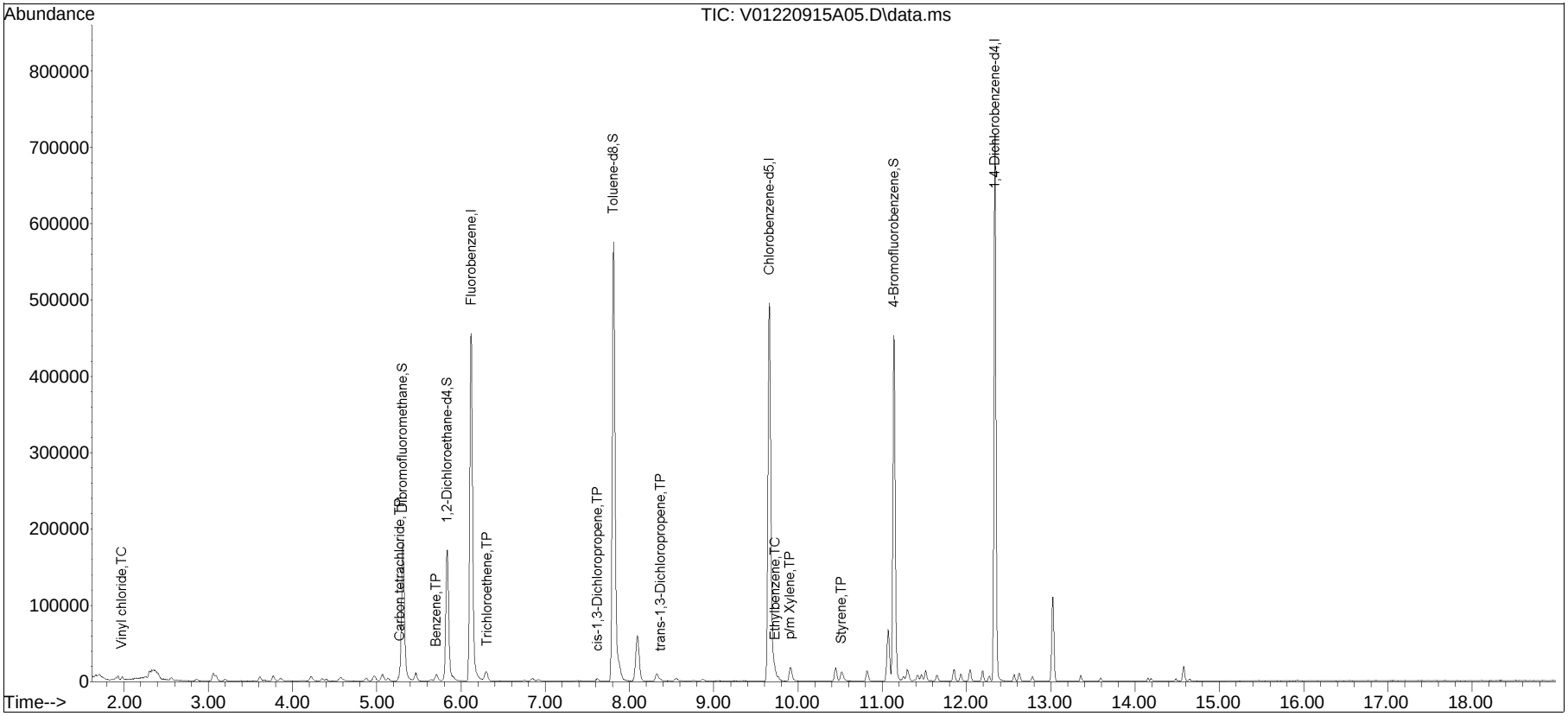
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A05.D
Acq On : 15 Sep 2022 1:08 pm
Operator : VOA101:MKS
Sample : I8260STD0.19PPB
Misc : WG1688474
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 16 14:16:26 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:16:17 2022
Response via : Initial Calibration

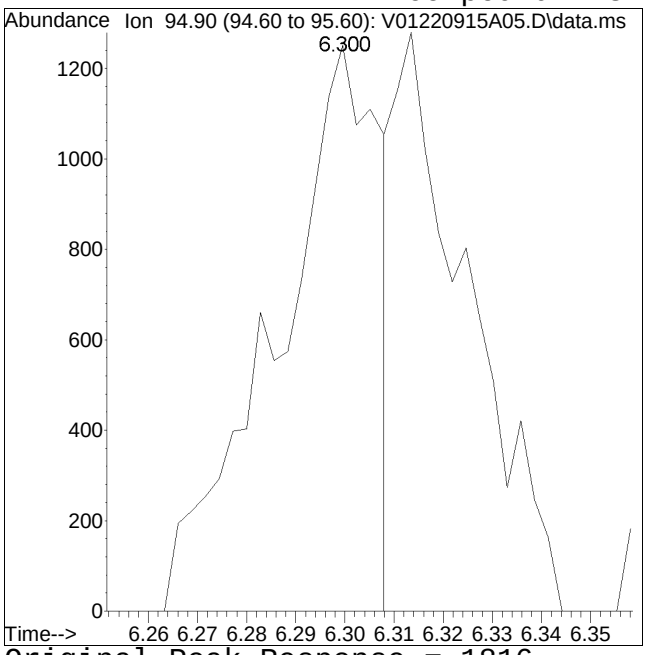
Sub List : 8260-L11 - Level 11 for 8260-LRR product220915A10.D•

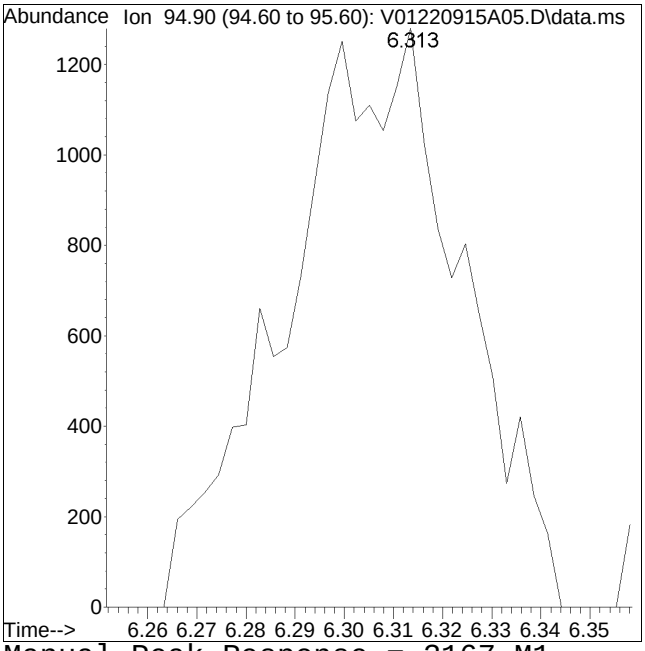


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A05.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:08 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 9/16/2022 2:16 pm

Compound #48: Trichloroethene



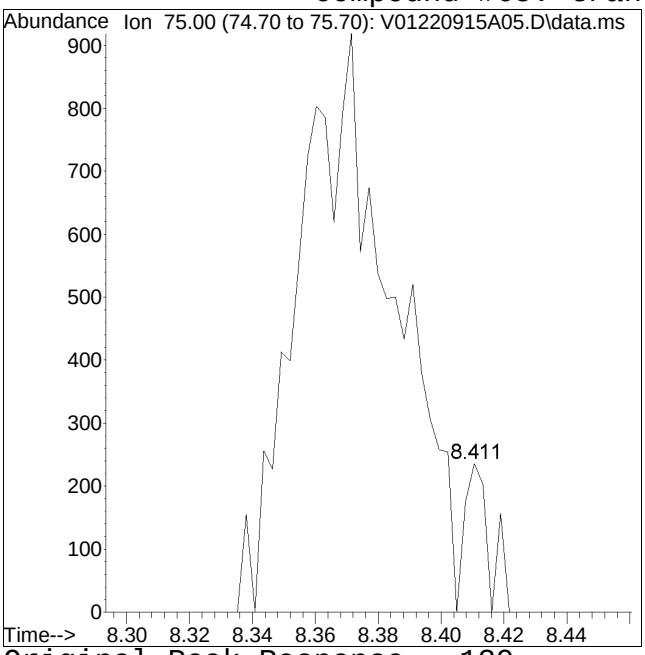


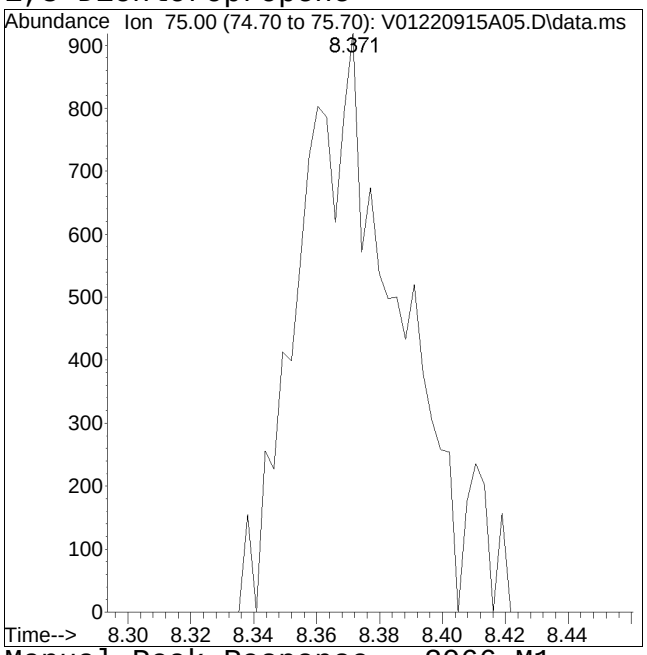
Original Peak Response = 1816 Manual Peak Response = 3167 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A05.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:08 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 9/16/2022 2:16 pm

Compound #65: trans-1,3-Dichloropropene





Original Peak Response = 129 Manual Peak Response = 2066 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A07.D
Acq On : 15 Sep 2022 1:55 pm
Operator : VOA101:MKS
Sample : I8260STD0.5PPB
Misc : WG1688474
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 14:17:32 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:17:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.121	96	499133	10.000 ug/L	0.00
Standard Area 1 = 492854			Recovery = 101.27%		
59) Chlorobenzene-d5	9.660	117	384102	10.000 ug/L	0.00
Standard Area 1 = 380882			Recovery = 100.85%		
79) 1,4-Dichlorobenzene-d4	12.337	152	195384	10.000 ug/L	0.00
Standard Area 1 = 198713			Recovery = 98.32%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.310	113	132056	9.818 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.18%		
43) 1,2-Dichloroethane-d4	5.837	65	146620	9.965 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.65%		
60) Toluene-d8	7.811	98	492537	10.047 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.47%		
83) 4-Bromofluorobenzene	11.141	95	177492	10.150 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.50%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.712	85	4489	0.371 ug/L	97
3) Chloromethane	1.899	50	5958	0.419 ug/L	96
4) Vinyl chloride	1.980	62	4576	0.347 ug/L	84
5) Bromomethane	2.298	94	4169	0.537 ug/L	96
6) Chloroethane	2.418	64	3107	0.393 ug/L	94
7) Trichlorofluoromethane	2.563	101	6108	0.354 ug/L	97
8) Ethyl ether	2.867	74	1642	0.369 ug/L #	73
10) 1,1-Dichloroethene	3.065	96	3819M1	0.367 ug/L	
11) Carbon disulfide	3.095	76	10317	0.394 ug/L	99
12) Freon-113	3.098	101	4165	0.362 ug/L	97
13) Iodomethane	3.199	142	4201	1.627 ug/L #	88
14) Acrolein	3.388	56	565M1	0.414 ug/L	
15) Methylene chloride	3.617	84	5854	0.520 ug/L	92
16) Isopropyl alcohol	3.539	45	662M1	1.586 ug/L	
17) Acetone	3.656	43	3065	1.138 ug/L #	71
18) trans-1,2-Dichloroethene	3.773	96	4040	0.364 ug/L	99
19) Methyl acetate	3.779	43	2552	0.459 ug/L #	74
20) Methyl tert-butyl ether	3.865	73	8777	0.386 ug/L #	79
21) tert-Butyl alcohol	3.951	59	1247M1	1.920 ug/L	
22) Diisopropyl ether	4.222	45	14918M1	0.374 ug/L	
23) 1,1-Dichloroethane	4.347	63	7795	0.364 ug/L	97

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A07.D
Acq On : 15 Sep 2022 1:55 pm
Operator : VOA101:MKS
Sample : I8260STD0.5PPB
Misc : WG1688474
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 14:17:32 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:17:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.400	117	2992	0.342	ug/L	#	47
25) Acrylonitrile	4.414	53	770	0.290	ug/L	#	42
26) Ethyl tert-butyl ether	4.565	59	12425	0.377	ug/L	#	69
27) Vinyl acetate	0.000		0	N.D.	d		
28) cis-1,2-Dichloroethene	4.872	96	4432	0.364	ug/L	#	85
29) 2,2-Dichloropropane	4.975	77	6379	0.386	ug/L		86
30) Bromochloromethane	5.070	128	1954	0.367	ug/L	#	71
31) Cyclohexane	5.070	56	8278	0.355	ug/L		90
32) Chloroform	5.131	83	7059M1	0.371	ug/L		
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	5.270	117	5881	0.291	ug/L	#	89
35) Tetrahydrofuran	5.290	42	1309M1	0.546	ug/L		
37) 1,1,1-Trichloroethane	5.337	97	6563	0.373	ug/L	#	86
38) 2-Butanol	0.000		0	N.D.	d		
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.468	75	5012M1	0.330	ug/L		
41) Benzene	5.705	78	15965	0.363	ug/L	#	93
42) tert-Amyl methyl ether	5.809	73	9318	0.377	ug/L		98
44) 1,2-Dichloroethane	5.906	62	5583M1	0.391	ug/L		
46) 2-Methyl-2-butanol	6.015	59	1020M1	2.013	ug/L		
47) Methyl cyclohexane	6.294	83	6831	0.350	ug/L		87
48) Trichloroethene	6.299	95	4561	0.357	ug/L	#	79
50) Dibromomethane	6.748	93	2125M1	0.361	ug/L		
51) 1,2-Dichloropropane	6.846	63	4466M1	0.367	ug/L		
52) 4-penten-2-ol	0.000		0	N.D.	d		
54) Bromodichloromethane	6.916	83	5204	0.356	ug/L	#	98
57) 1,4-Dioxane	7.122	88	6083M1	98.810	ug/L		
58) cis-1,3-Dichloropropene	7.619	75	5954M1	0.343	ug/L		
61) Toluene	7.875	92	10873	0.387	ug/L		94
62) 4-Methyl-2-pentanone	8.318	58	944M1	0.340	ug/L		
63) Tetrachloroethene	8.327	166	4304	0.348	ug/L		97
65) trans-1,3-Dichloropropene	8.360	75	4814	0.338	ug/L		97
66) 4-Methyl-2-pentanol	8.450	45	2587M1	1.961	ug/L		
67) Ethyl methacrylate	8.547	69	3082	0.285	ug/L	#	57
68) 1,1,2-Trichloroethane	8.533	83	2403	0.367	ug/L	#	6
69) Chlorodibromomethane	8.762	129	3598	0.352	ug/L		93
70) 1,3-Dichloropropane	8.865	76	5126M1	0.373	ug/L		
71) 1,2-Dibromoethane	9.038	107	2886M1	0.364	ug/L		
72) 2-Hexanone	9.334	43	1942M1	0.396	ug/L		
73) Chlorobenzene	9.682	112	12019	0.380	ug/L	#	69

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A07.D
Acq On : 15 Sep 2022 1:55 pm
Operator : VOA101:MKS
Sample : I8260STD0.5PPB
Misc : WG1688474
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 14:17:32 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:17:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) Ethylbenzene	9.718	91	19644	0.368	ug/L		95
75) 1,1,1,2-Tetrachloroethane	9.766	131	3960	0.357	ug/L	#	37
76) p/m Xylene	9.911	106	14683	0.694	ug/L		95
77) o Xylene	10.441	106	14716	0.732	ug/L		94
78) Styrene	10.513	104	22606	0.695	ug/L		94
80) Bromoform	10.533	173	1911	0.344	ug/L	#	60
82) Isopropylbenzene	10.823	105	18520	0.360	ug/L		98
84) Bromobenzene	11.252	156	4546	0.379	ug/L		100
85) n-Propylbenzene	11.294	91	20933	0.358	ug/L		99
86) 1,4-Dichlorobutane	11.316	55	5866	0.416	ug/L	#	75
87) 1,1,2,2-Tetrachloroethane	11.378	83	3632	0.437	ug/L		98
88) 4-Ethyltoluene	11.417	105	17687	0.361	ug/L		99
89) 2-Chlorotoluene	11.464	91	12443M1	0.365	ug/L		
90) 1,3,5-Trimethylbenzene	11.514	105	15274	0.370	ug/L		96
91) 1,2,3-Trichloropropane	11.520	75	3175	0.454	ug/L	#	61
92) trans-1,4-Dichloro-2-b...	11.570	53	928M1	0.355	ug/L		
93) 4-Chlorotoluene	11.645	91	13287	0.380	ug/L		97
94) tert-Butylbenzene	11.852	119	13102	0.373	ug/L		96
97) 1,2,4-Trimethylbenzene	11.933	105	14278	0.358	ug/L		99
98) sec-Butylbenzene	12.039	105	17906	0.367	ug/L		98
99) p-Isopropyltoluene	12.189	119	14833	0.355	ug/L		97
100) 1,3-Dichlorobenzene	12.264	146	8389	0.379	ug/L		97
101) 1,4-Dichlorobenzene	12.356	146	8963M3	0.397	ug/L		
102) p-Diethylbenzene	12.563	119	8155	0.347	ug/L		98
103) n-Butylbenzene	12.624	91	11712M1	0.360	ug/L		
104) 1,2-Dichlorobenzene	12.777	146	7440	0.378	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.355	119	10917	0.346	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.556	155	349M1	0.607	ug/L		
107) 1,3,5-Trichlorobenzene	13.589	180	4100	0.360	ug/L		99
108) Hexachlorobutadiene	14.152	225	1607	0.398	ug/L		94
109) 1,2,4-Trichlorobenzene	14.189	180	3436	0.380	ug/L	#	56
110) Naphthalene	14.481	128	7532	0.413	ug/L		100
111) 1,2,3-Trichlorobenzene	14.646	180	2692	0.425	ug/L		95

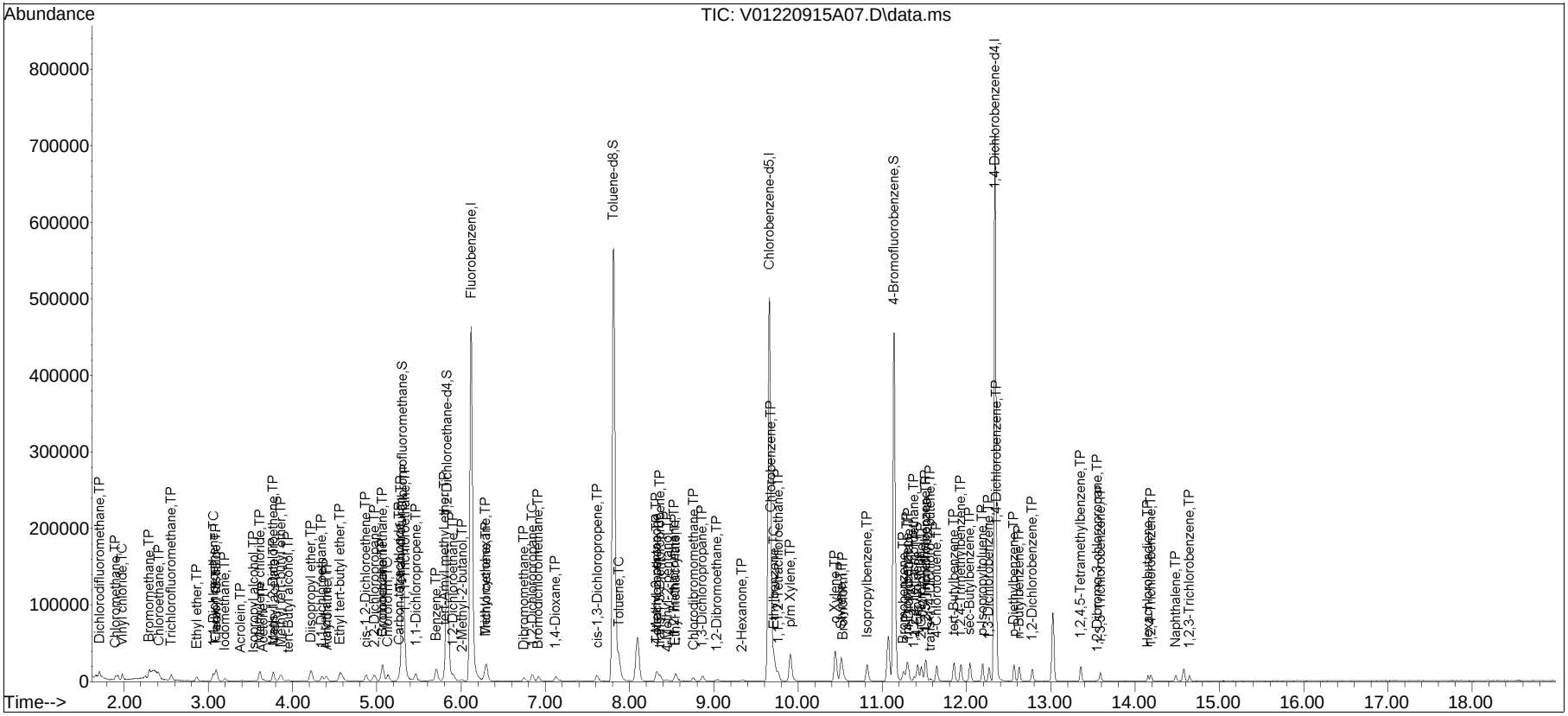
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A07.D
Acq On : 15 Sep 2022 1:55 pm
Operator : VOA101:MKS
Sample : I8260STD0.5PPB
Misc : WG1688474
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 14:17:32 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:17:23 2022
Response via : Initial Calibration

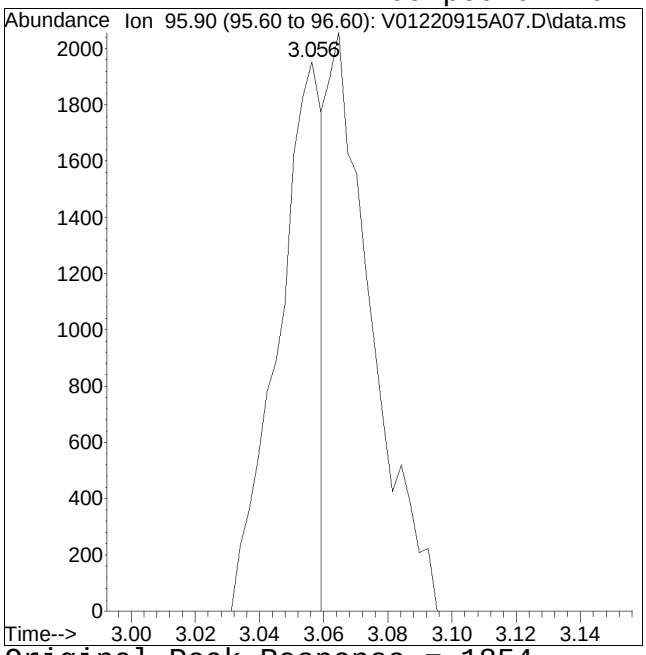
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE915A10.D•

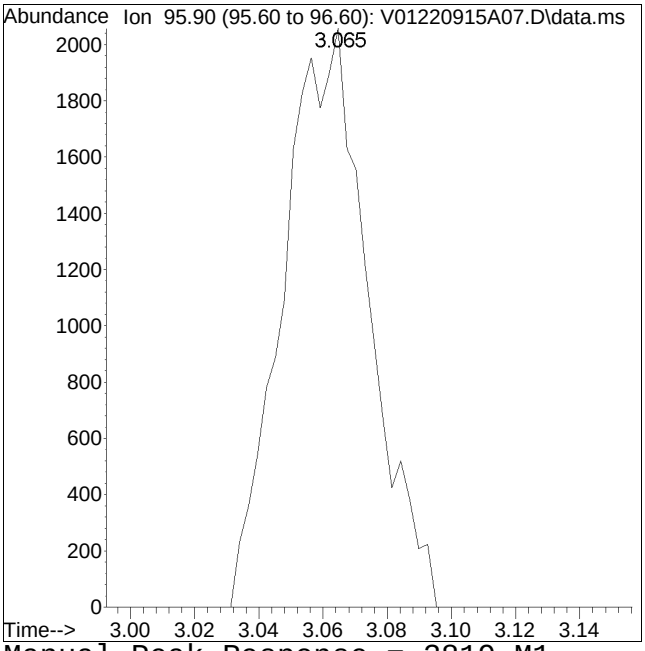


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #10: 1,1-Dichloroethene



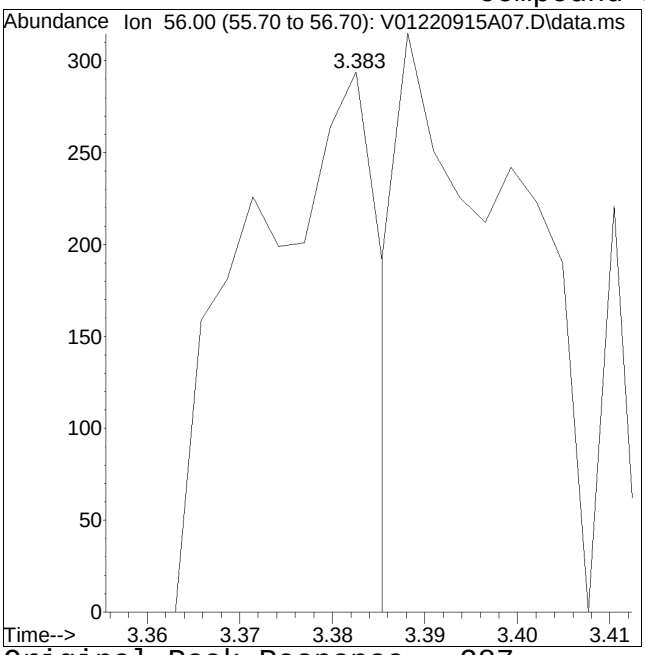


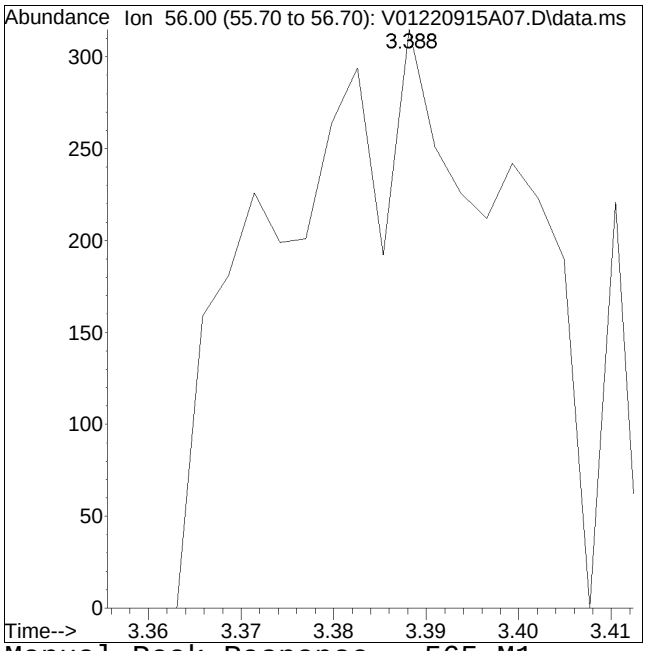
Original Peak Response = 1854 Manual Peak Response = 3819 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #14: Acrolein



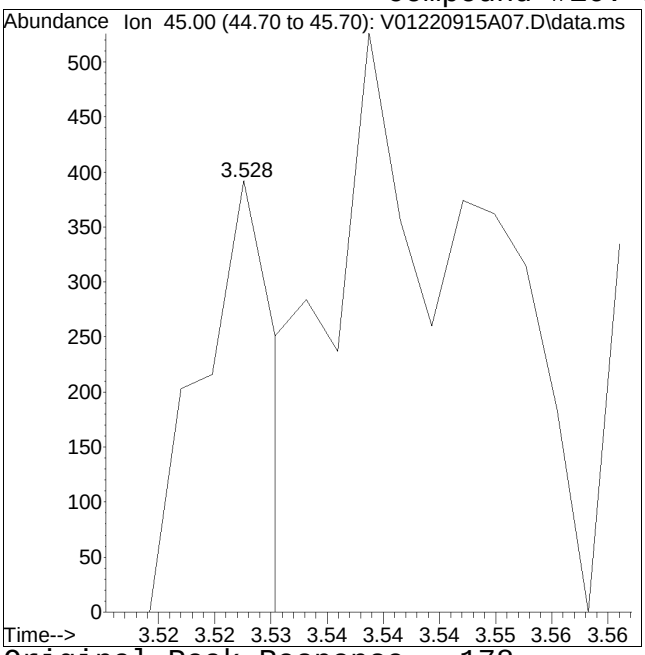


Original Peak Response = 287 Manual Peak Response = 565 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

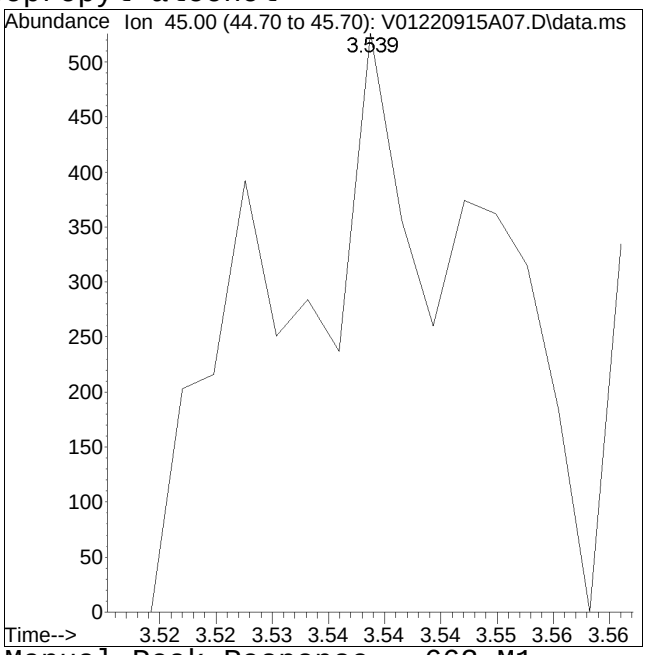
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #16: Isopropyl alcohol



Original Peak Response = 178



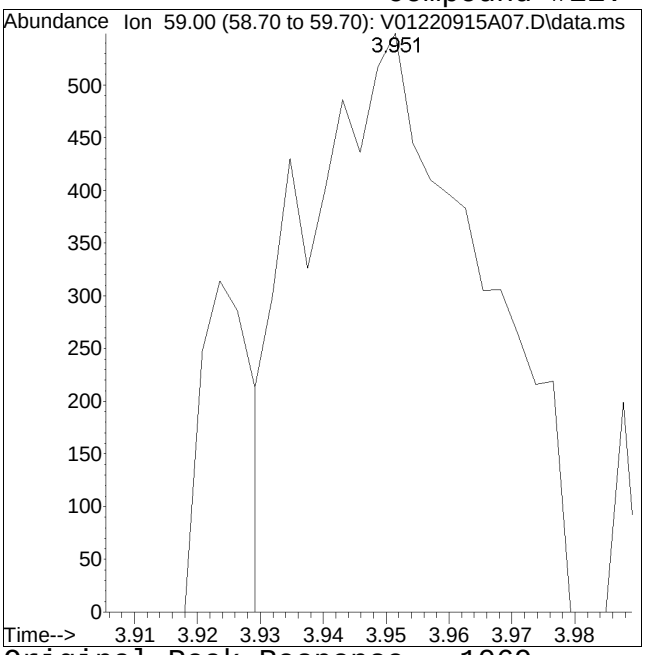
Manual Peak Response = 662 M1

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

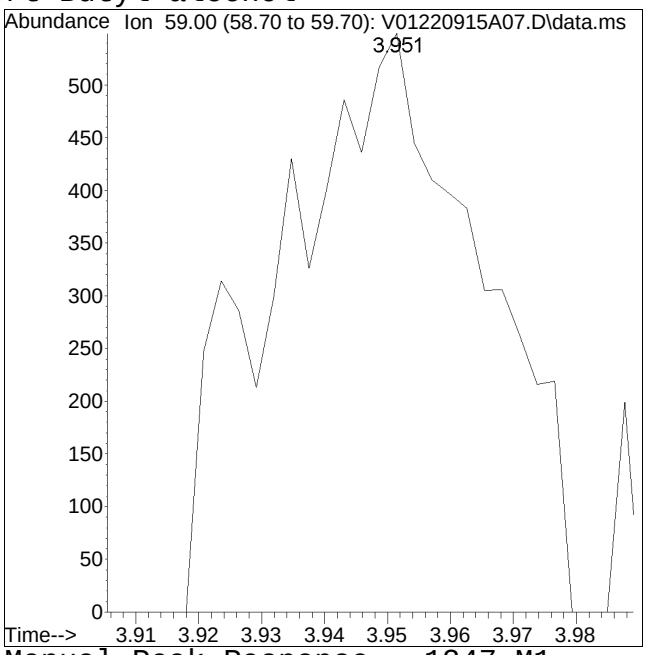
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 1069



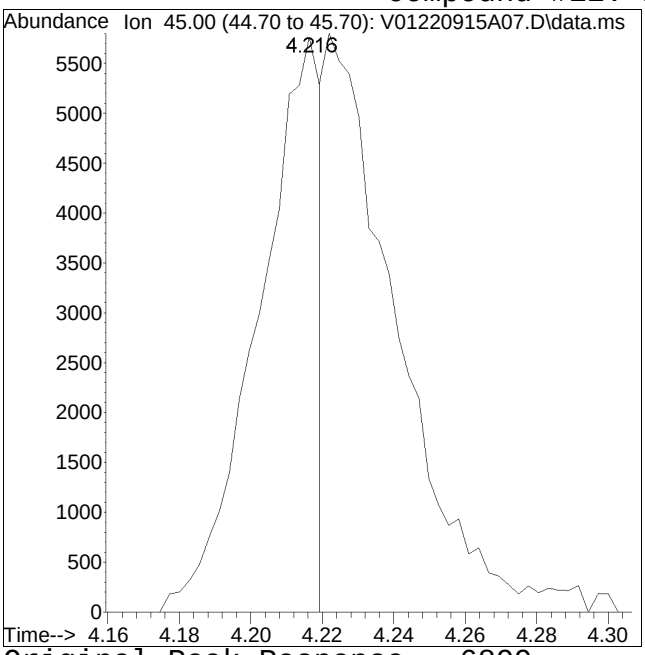
Manual Peak Response = 1247 M1

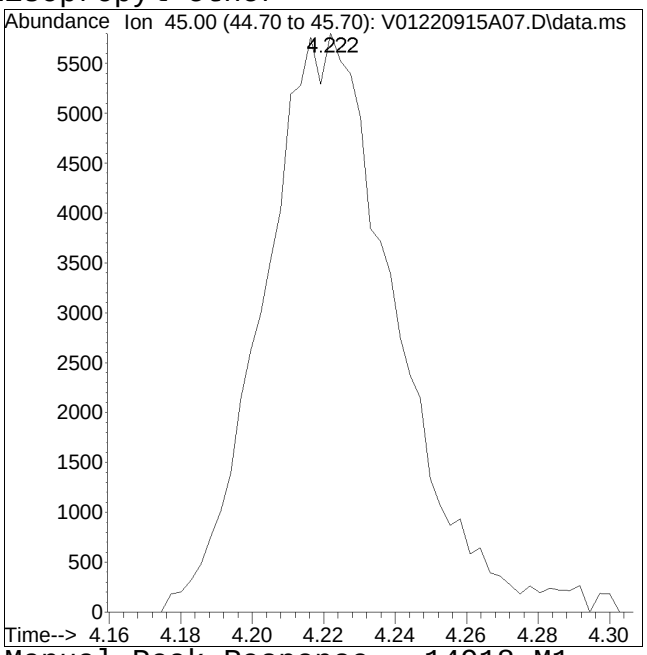
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #22: Diisopropyl ether





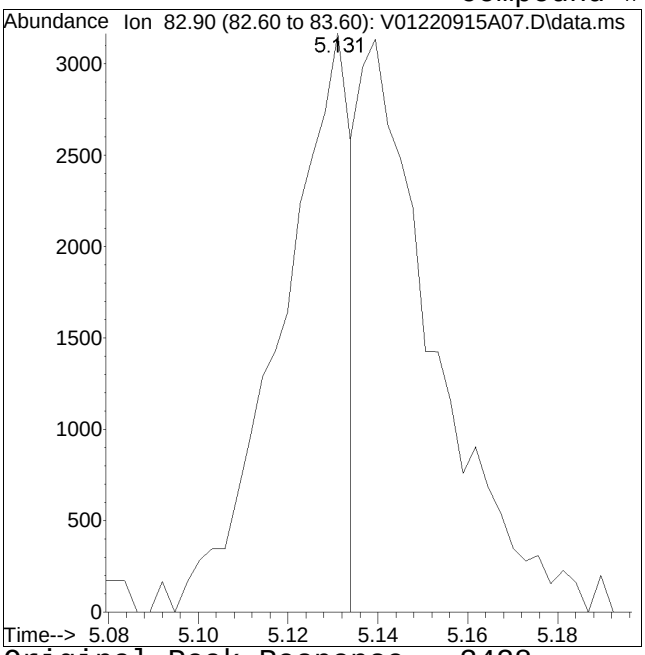
Original Peak Response = 6899 Manual Peak Response = 14918 M1

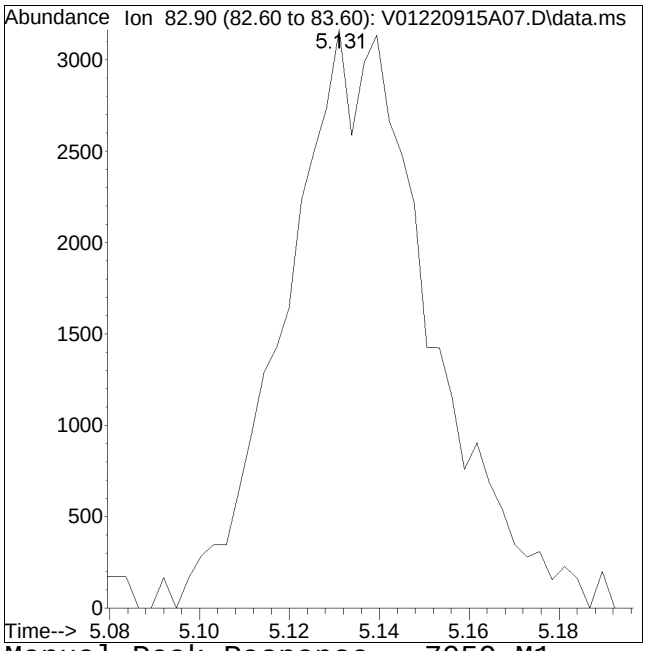
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #32: Chloroform





Original Peak Response = 3428 Manual Peak Response = 7059 M1

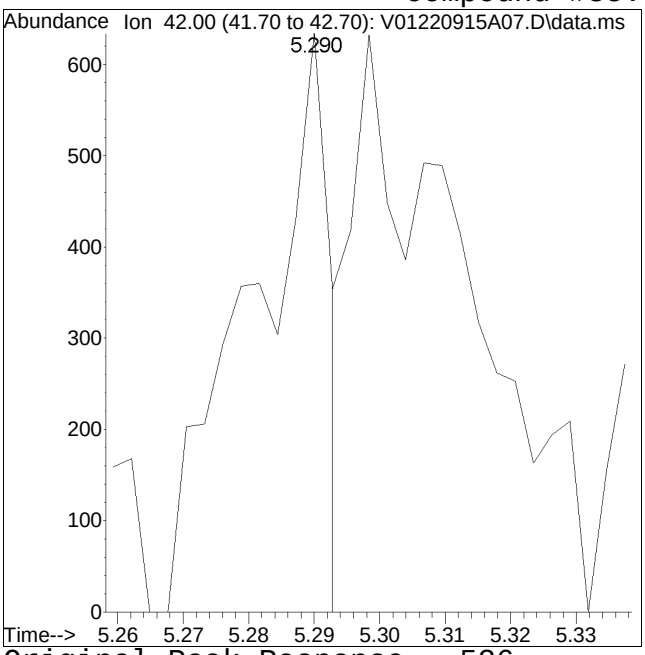
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

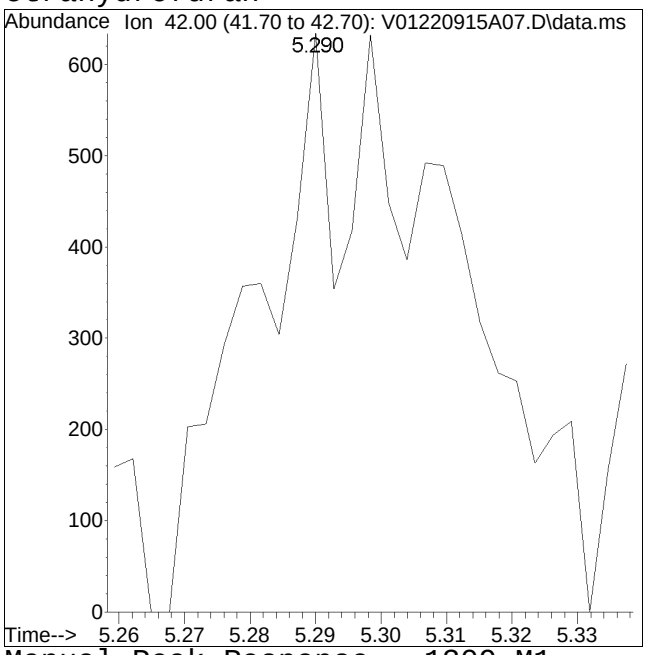
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01220915A07.D
Date Inj'd : 9/15/2022 1:55 pm
Sample : I8260STD0.5PPB

Method : V101_220915A_8260.m
Operator : VOA101:MKS
Instrument : VOA 101
Quant Date : 9/16/2022 2:17 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 526



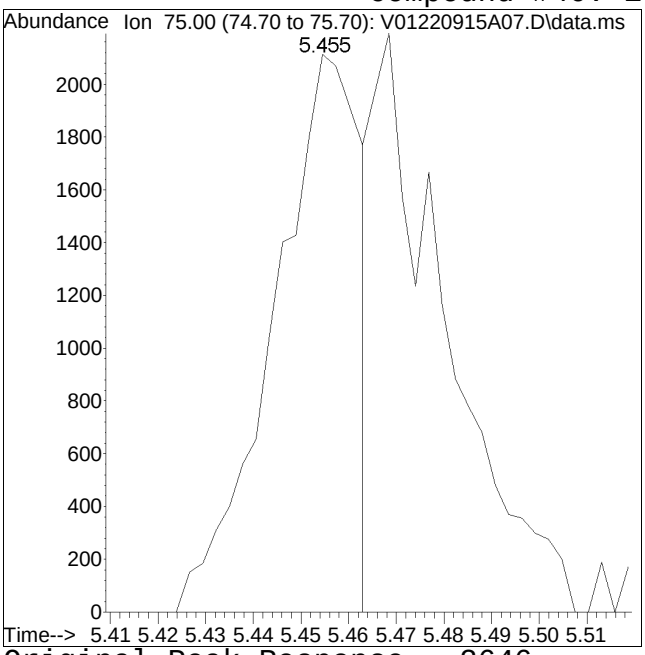
Manual Peak Response = 1309 M1

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

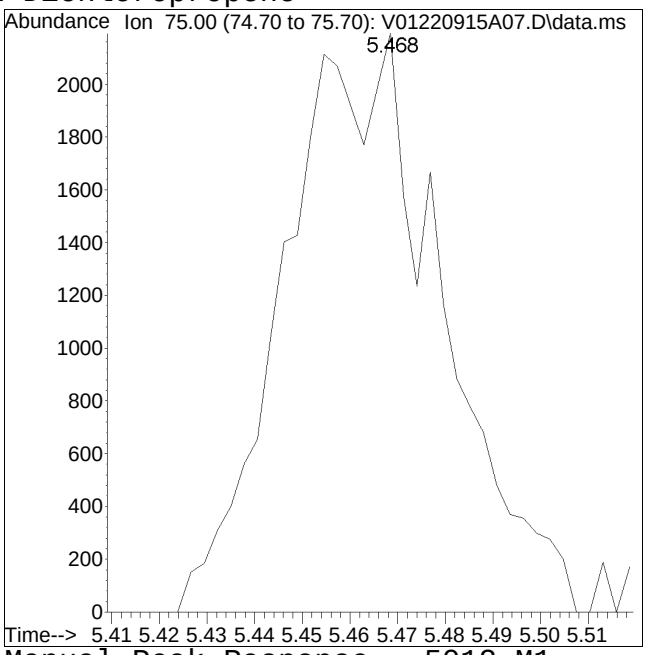
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #40: 1,1-Dichloropropene



Original Peak Response = 2646



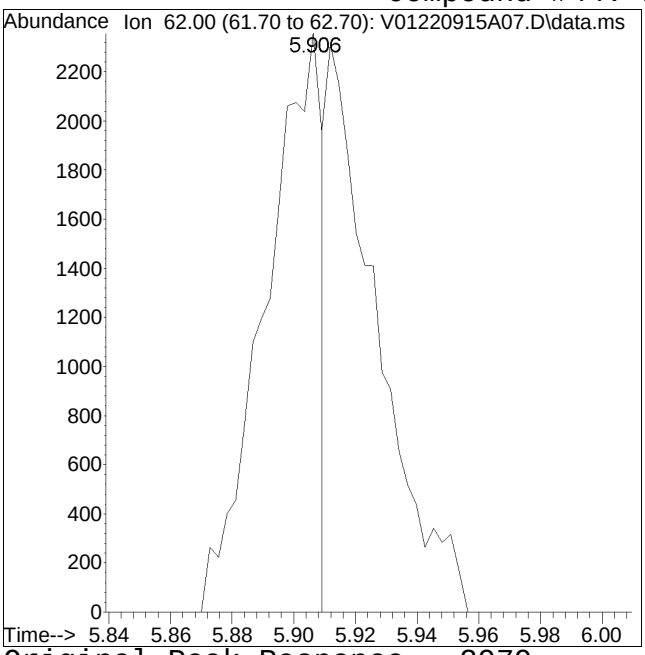
Manual Peak Response = 5012 M1

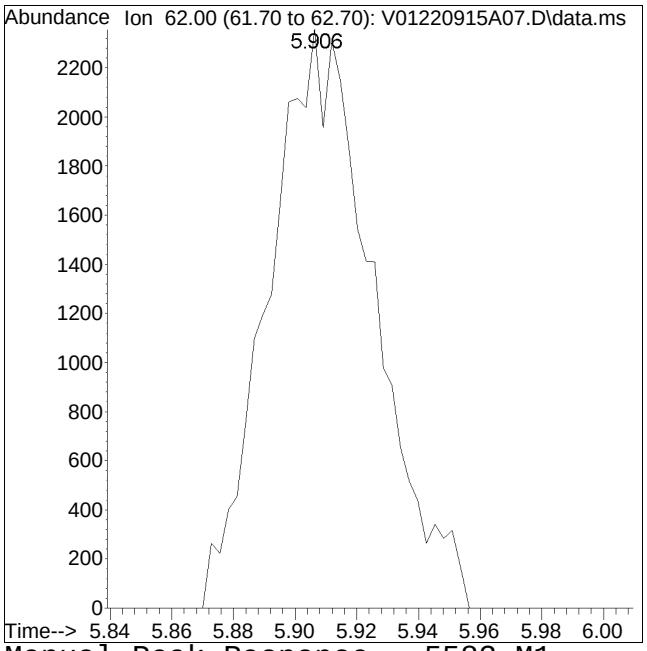
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #44: 1,2-Dichloroethane





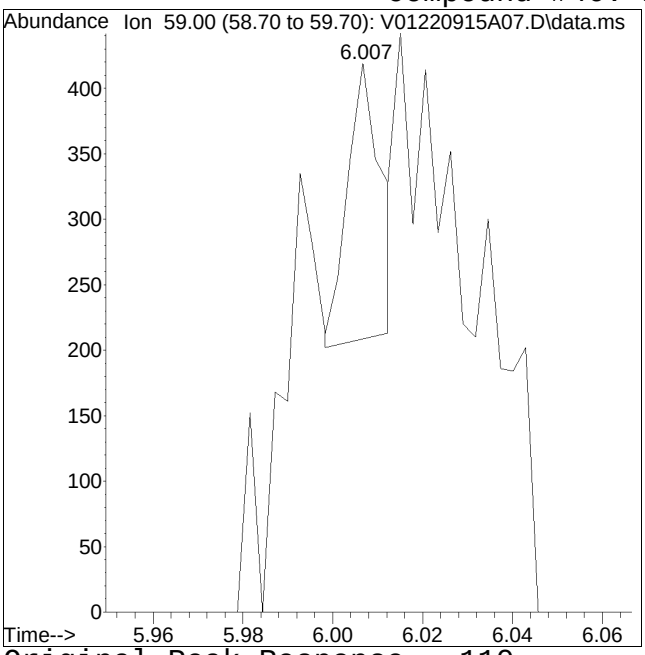
Original Peak Response = 2979 Manual Peak Response = 5583 M1

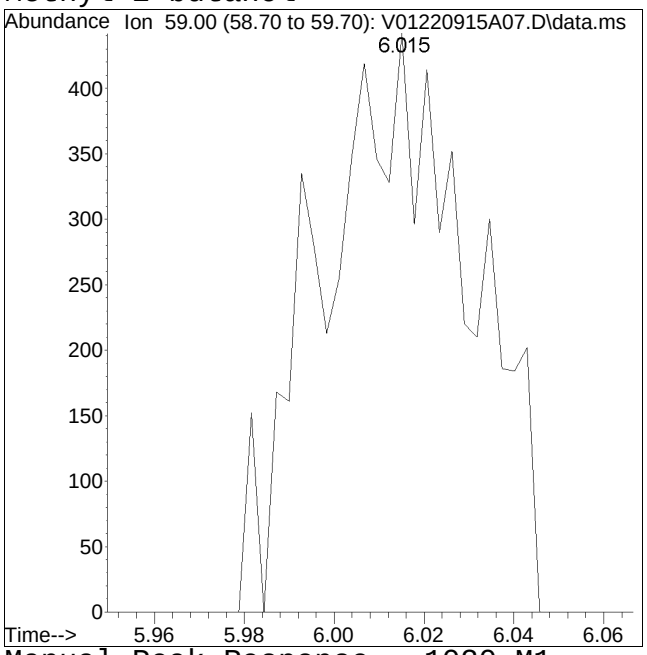
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #46: 2-Methyl-2-butanol



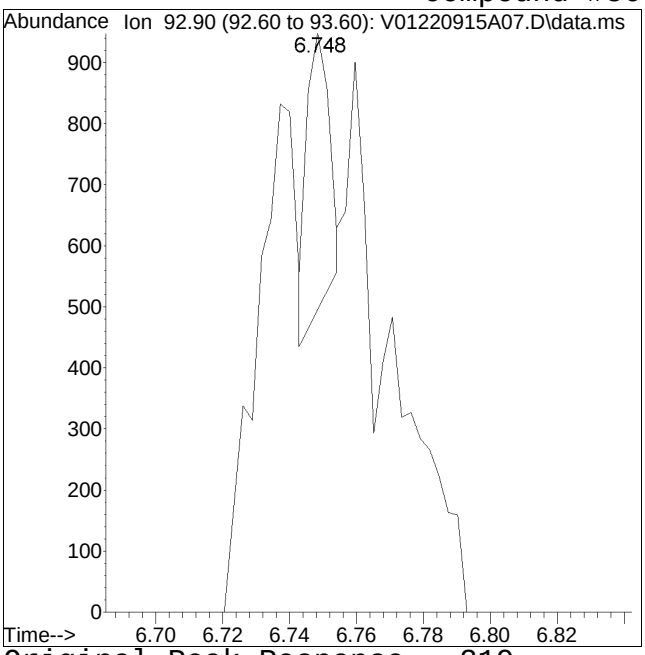


Original Peak Response = 110 Manual Peak Response = 1020 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

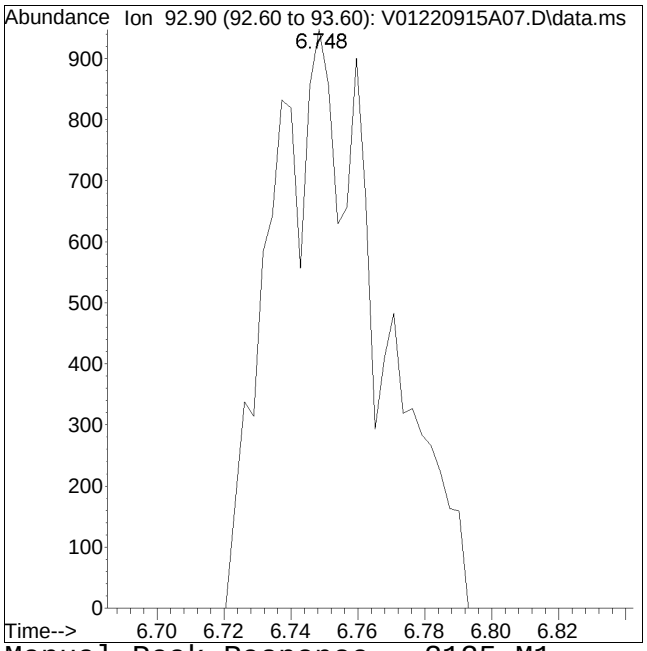
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #50: Dibromomethane



Original Peak Response = 219



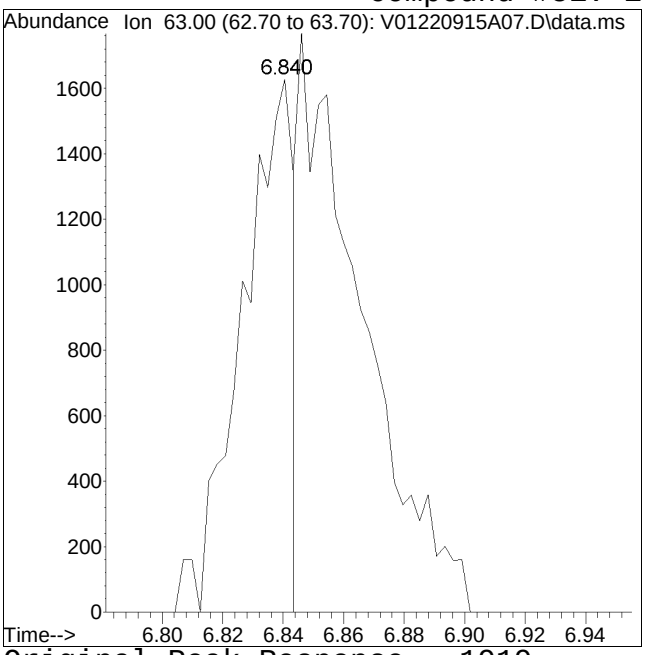
Manual Peak Response = 2125 M1

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

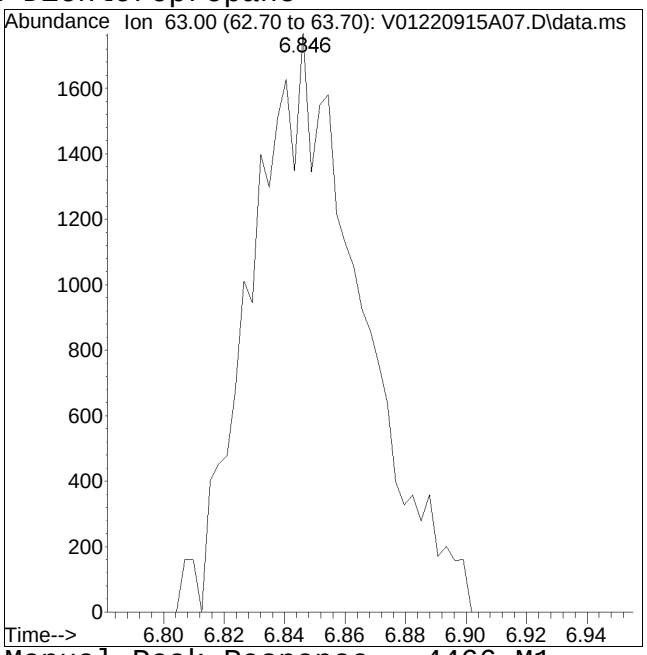
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #51: 1,2-Dichloropropane



Original Peak Response = 1919



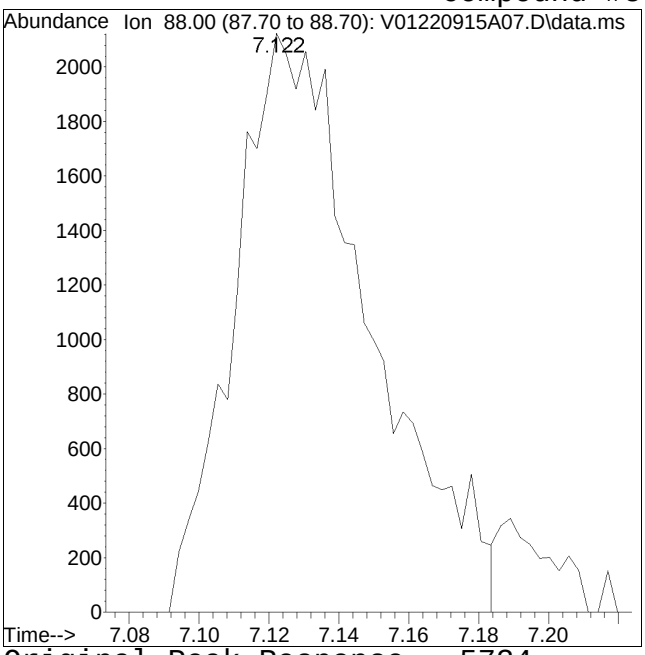
Manual Peak Response = 4466 M1

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

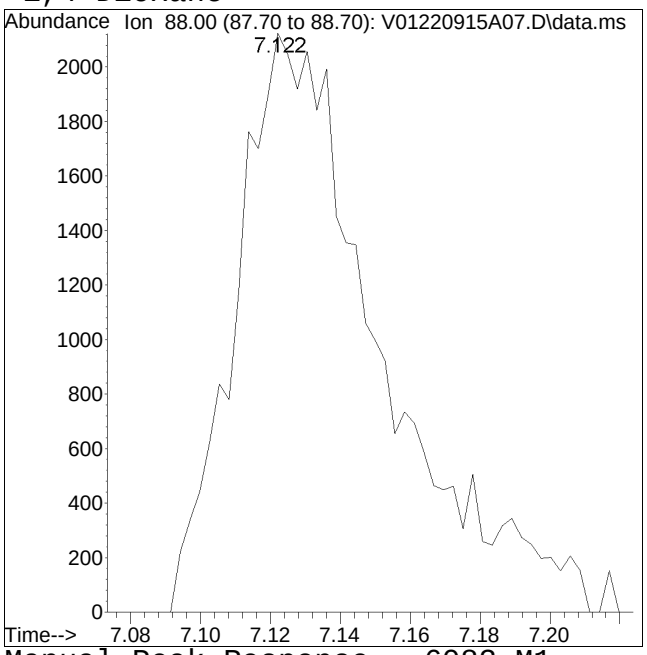
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 5734



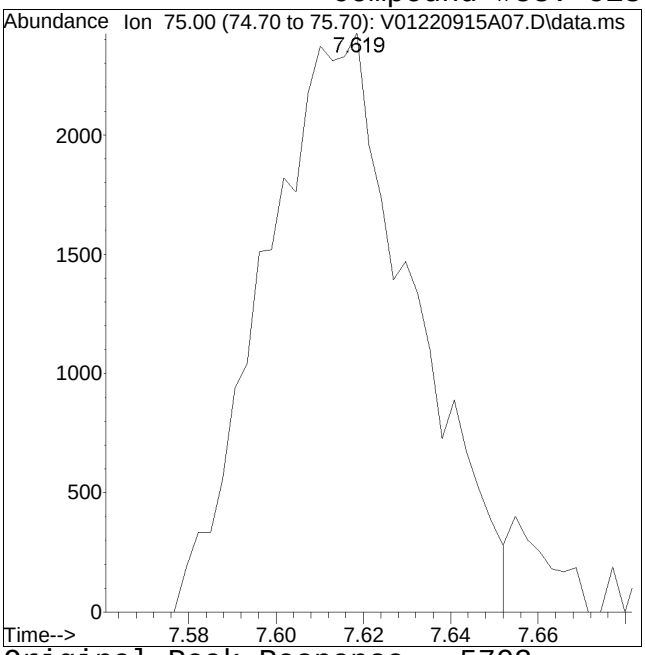
Manual Peak Response = 6083 M1

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

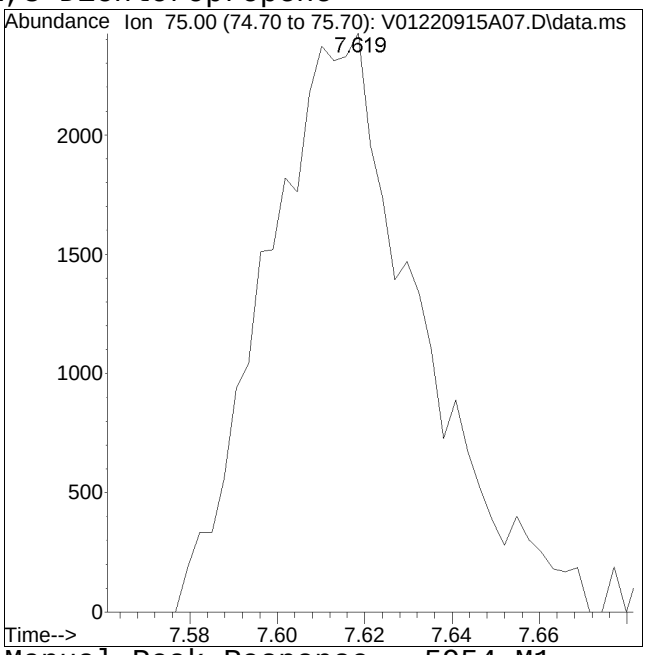
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #58: cis-1,3-Dichloropropene



Original Peak Response = 5703



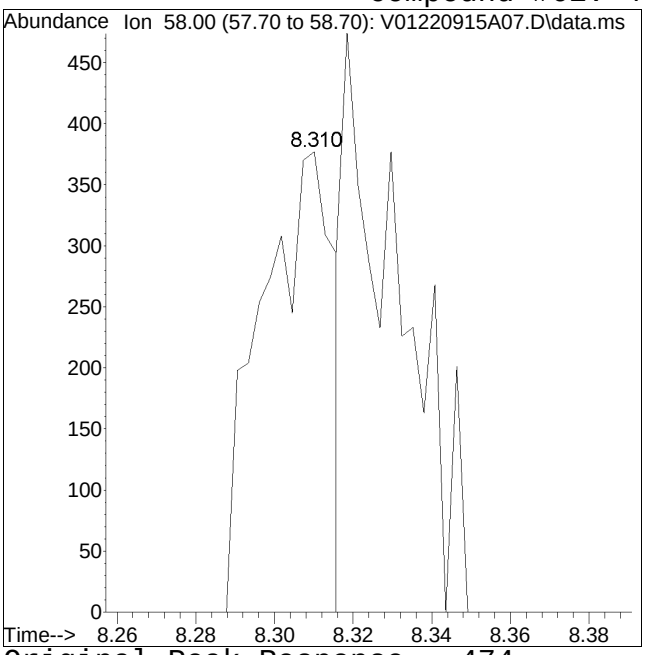
Manual Peak Response = 5954 M1

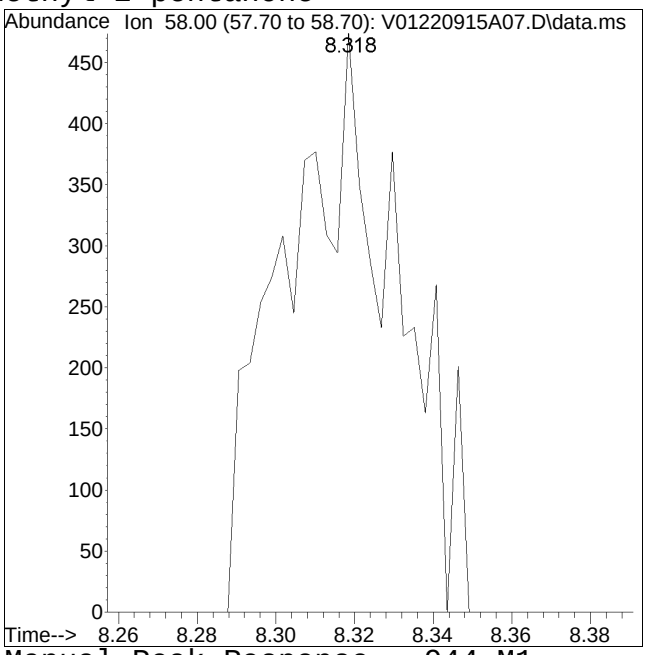
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #62: 4-Methyl-2-pentanone



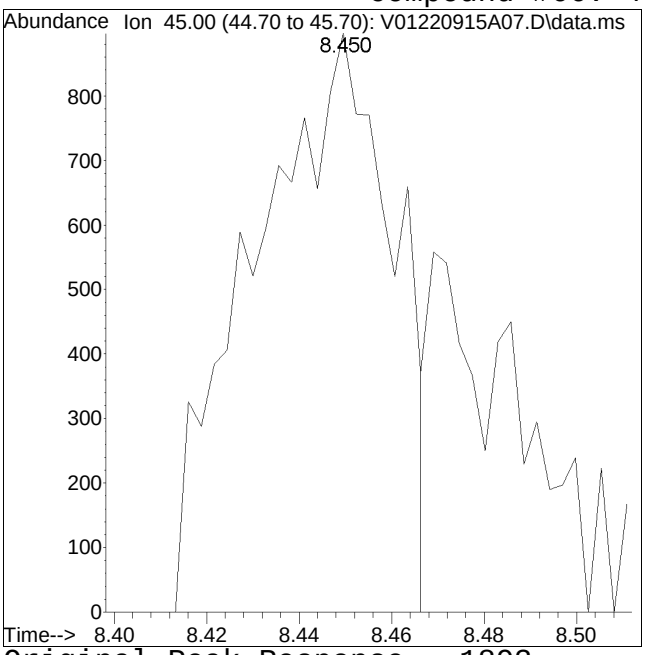


Original Peak Response = 474 Manual Peak Response = 944 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

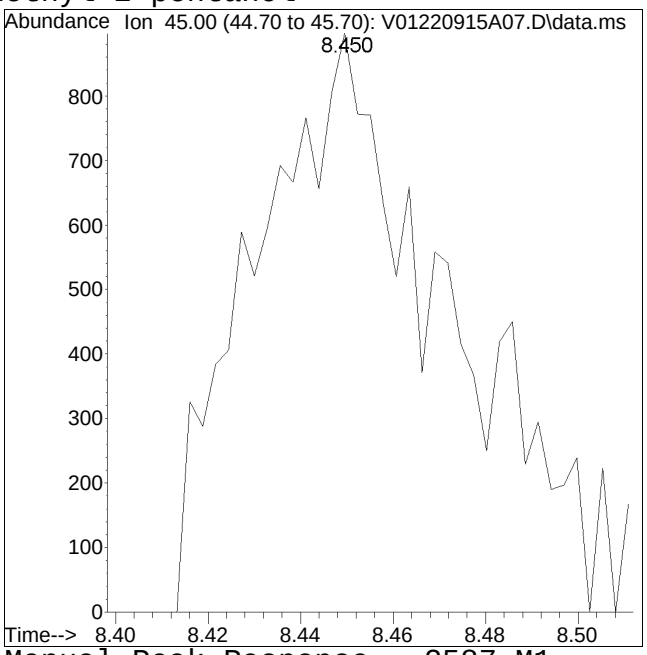
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #66: 4-Methyl-2-pentanol



Original Peak Response = 1893



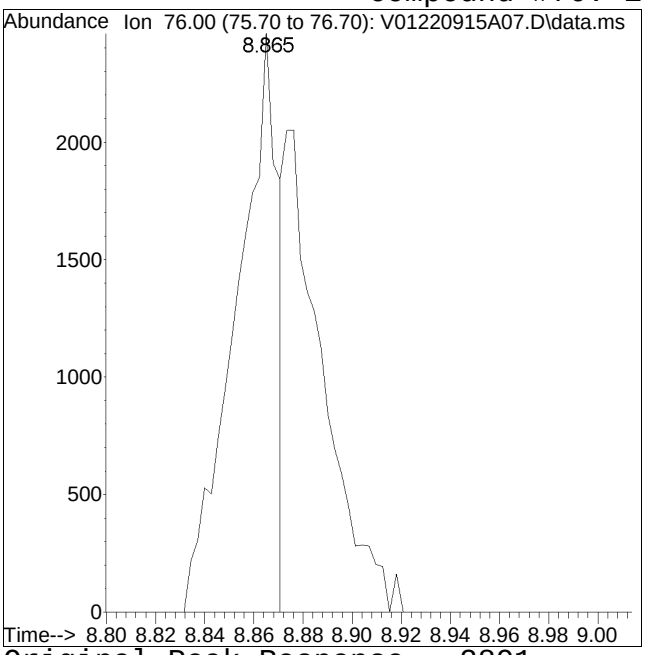
Manual Peak Response = 2587 M1

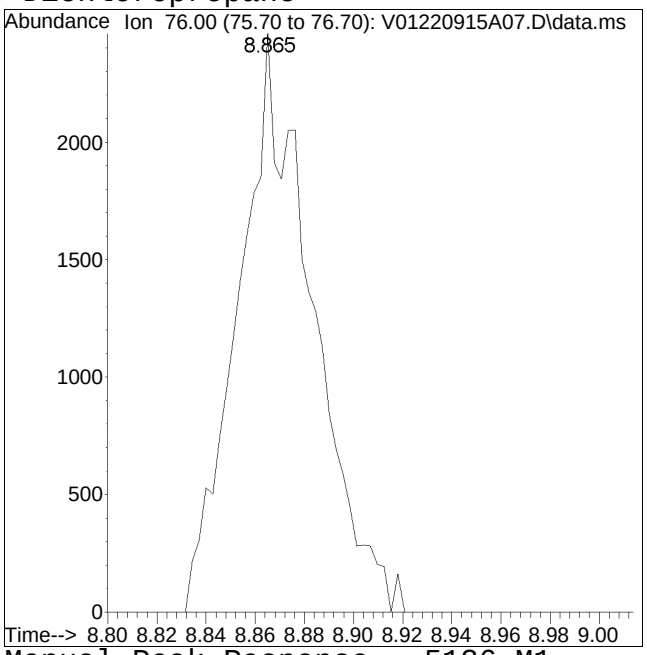
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #70: 1,3-Dichloropropane



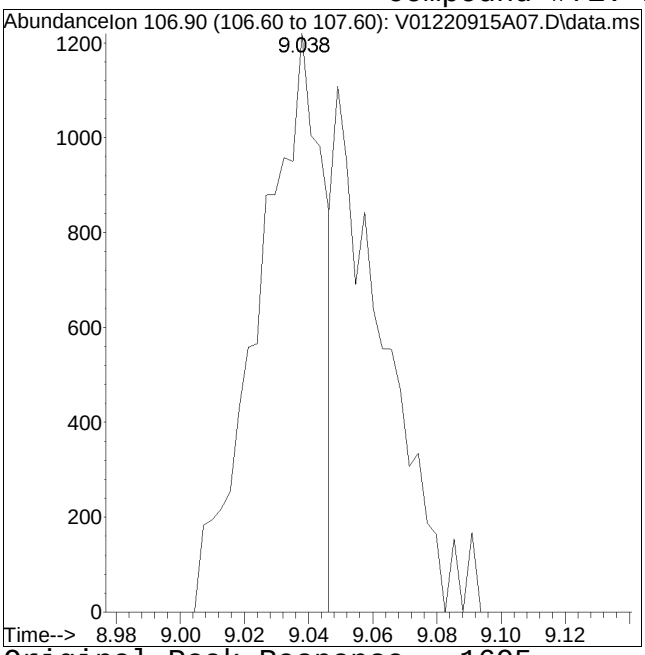


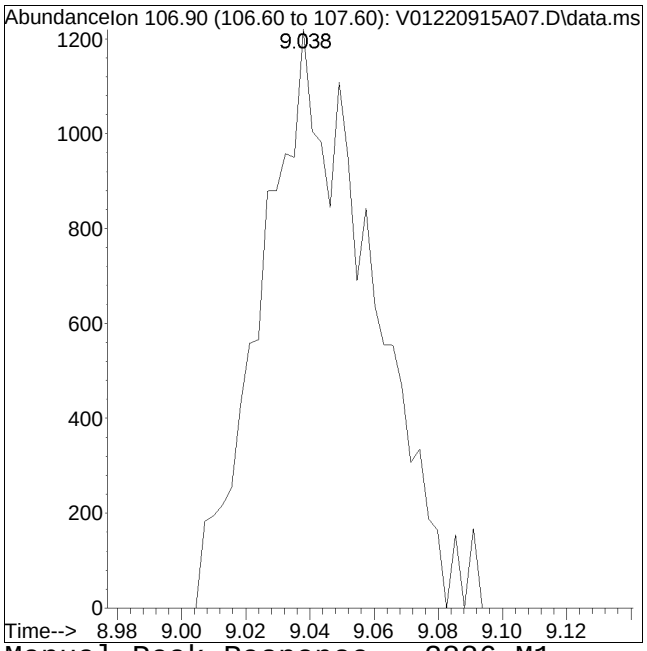
Original Peak Response = 2891 Manual Peak Response = 5126 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #71: 1,2-Dibromoethane



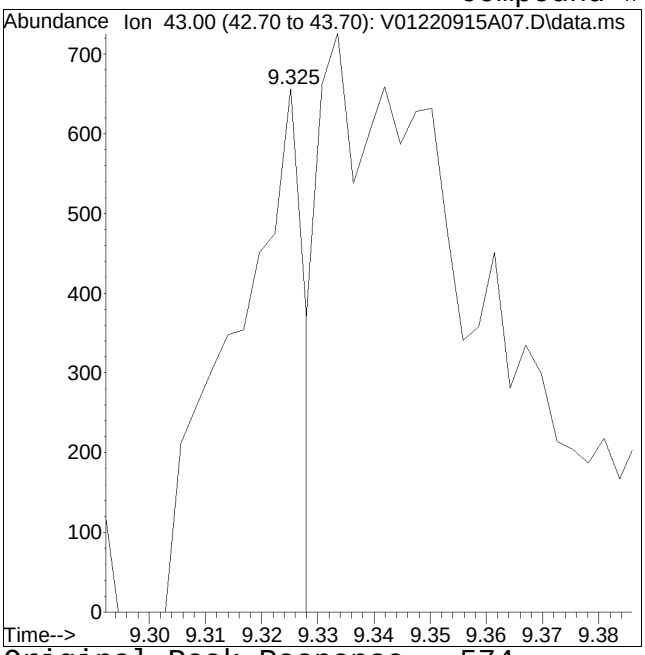


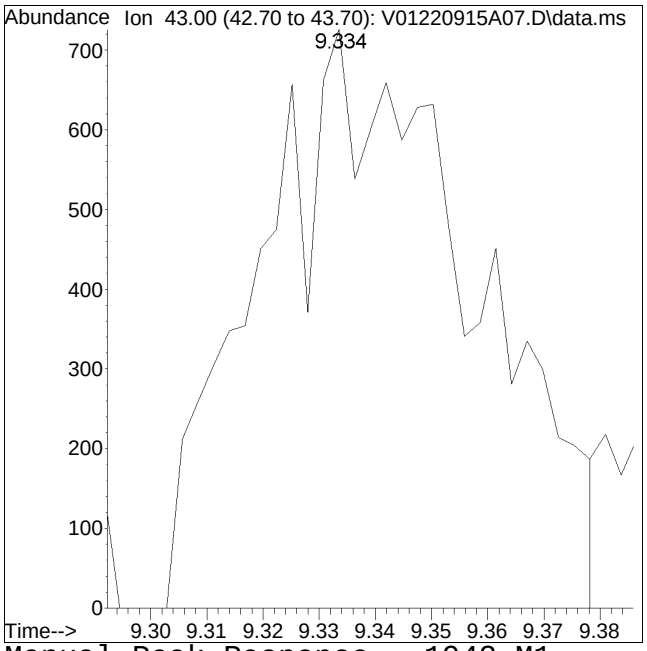
Original Peak Response = 1695 Manual Peak Response = 2886 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #72: 2-Hexanone



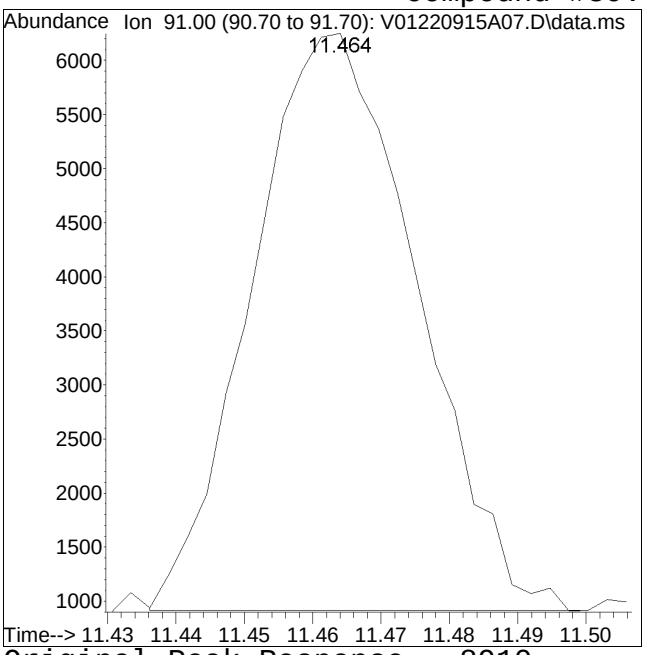


Original Peak Response = 574 Manual Peak Response = 1942 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

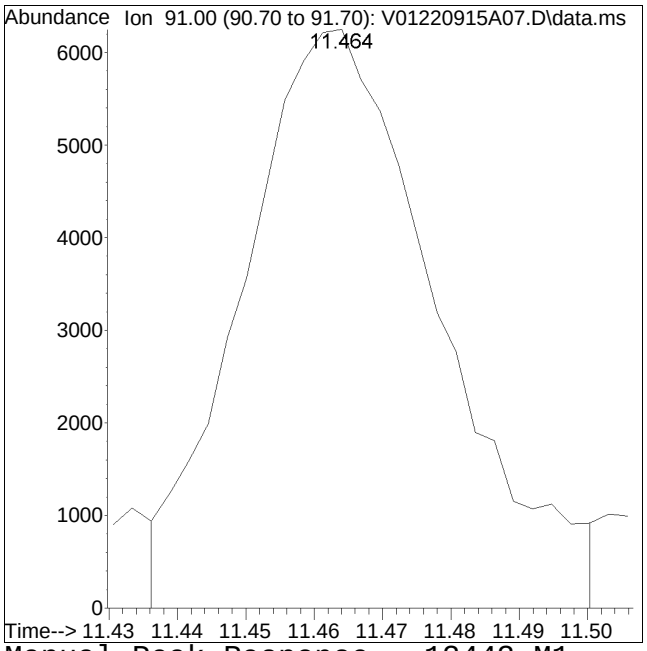
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 8910



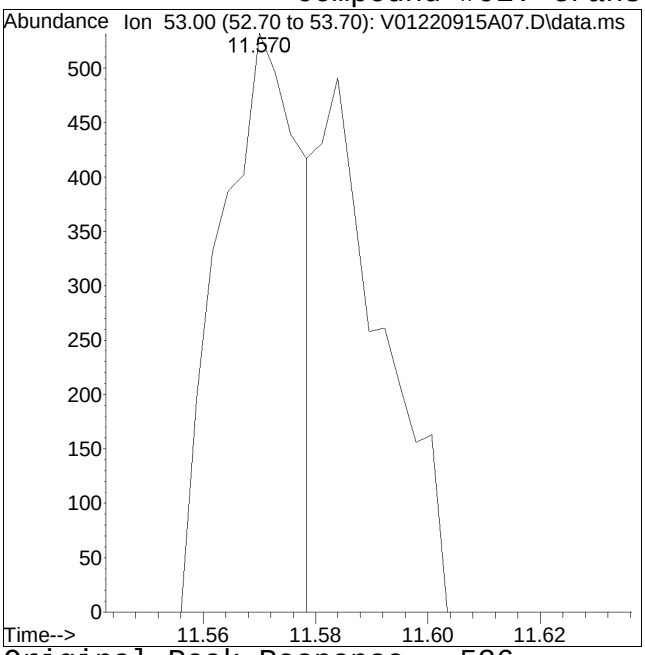
Manual Peak Response = 12443 M1

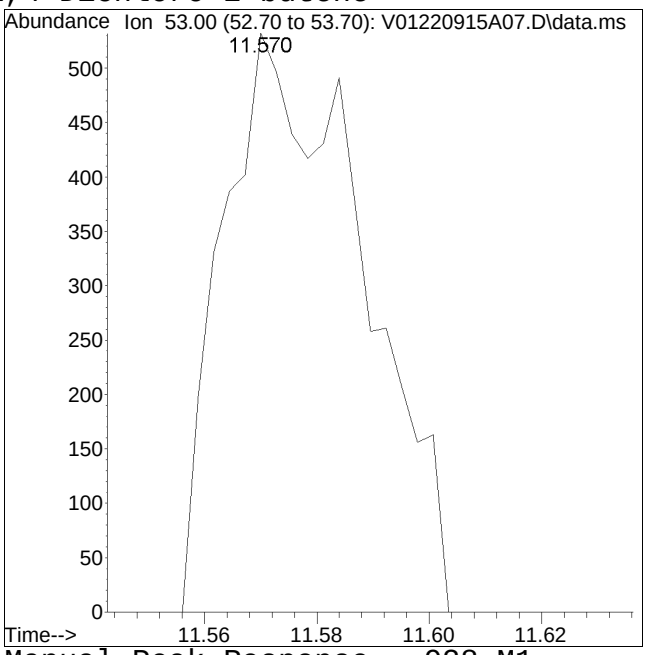
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #92: trans-1,4-Dichloro-2-butene



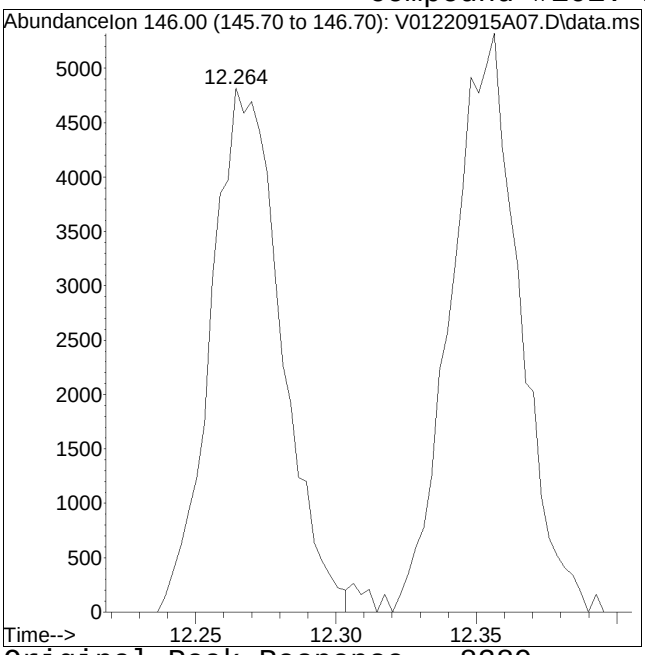


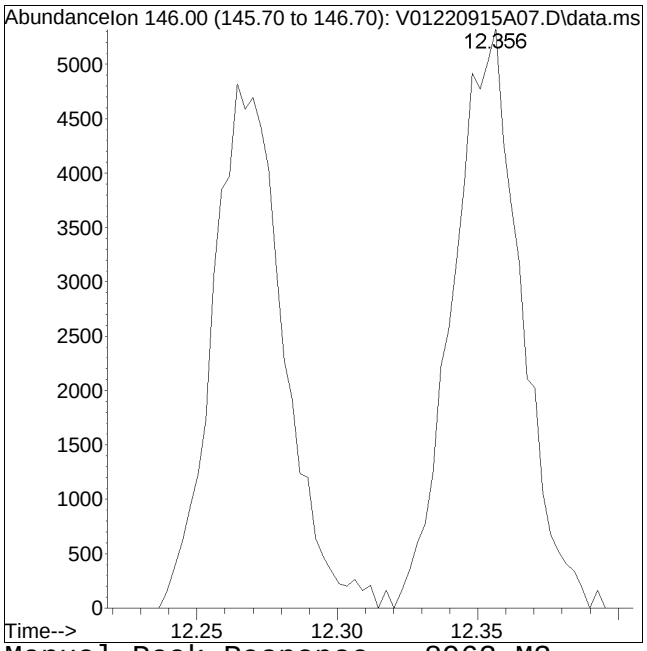
Original Peak Response = 536 Manual Peak Response = 928 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #101: 1,4-Dichlorobenzene





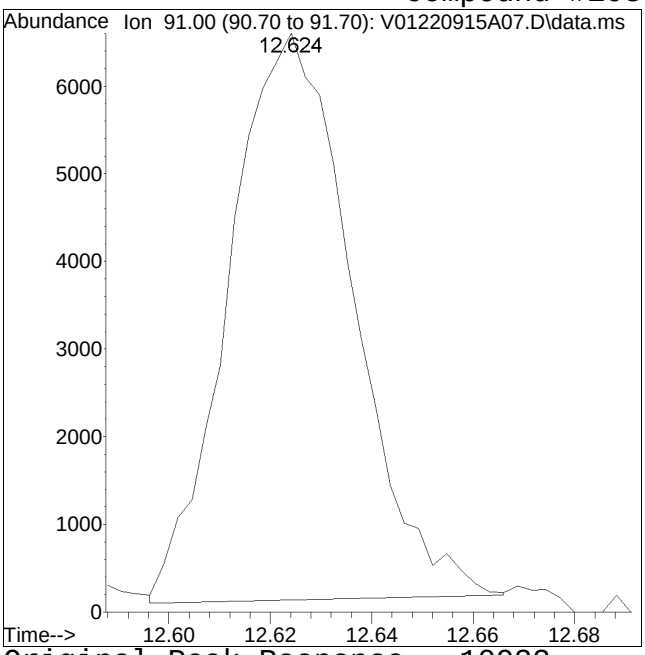
Original Peak Response = 8389 Manual Peak Response = 8963 M3

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

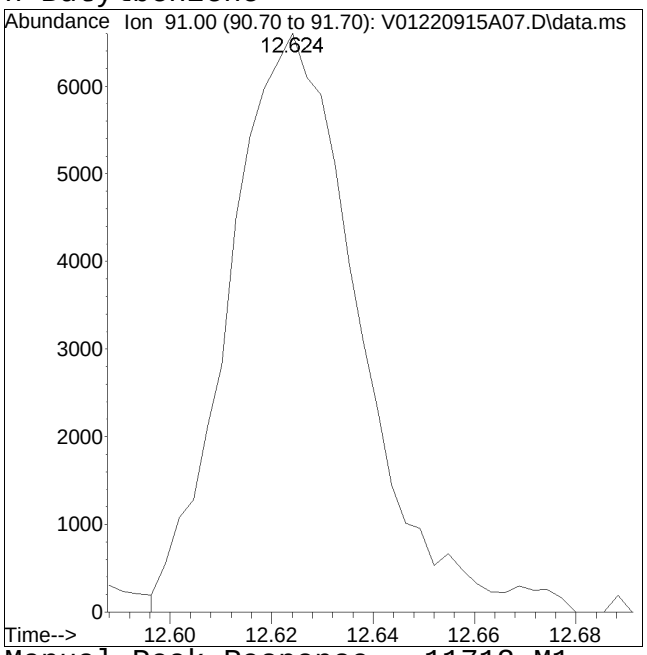
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #103: n-Butylbenzene



Original Peak Response = 10932



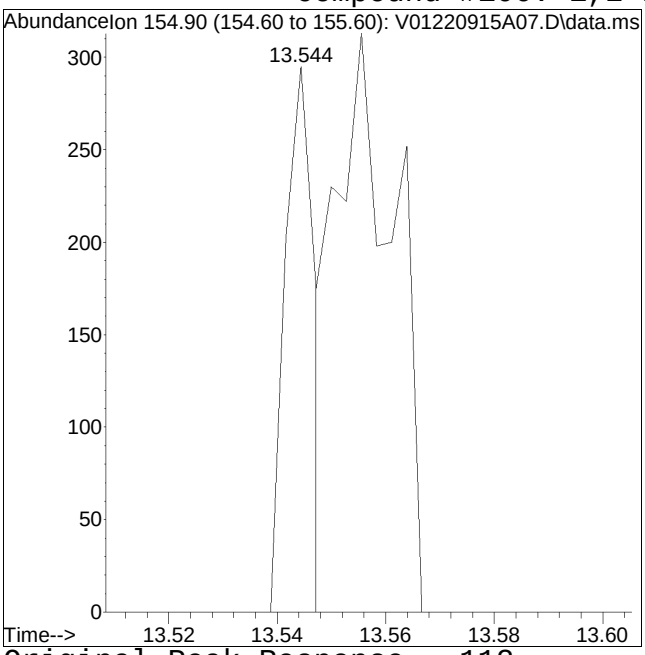
Manual Peak Response = 11712 M1

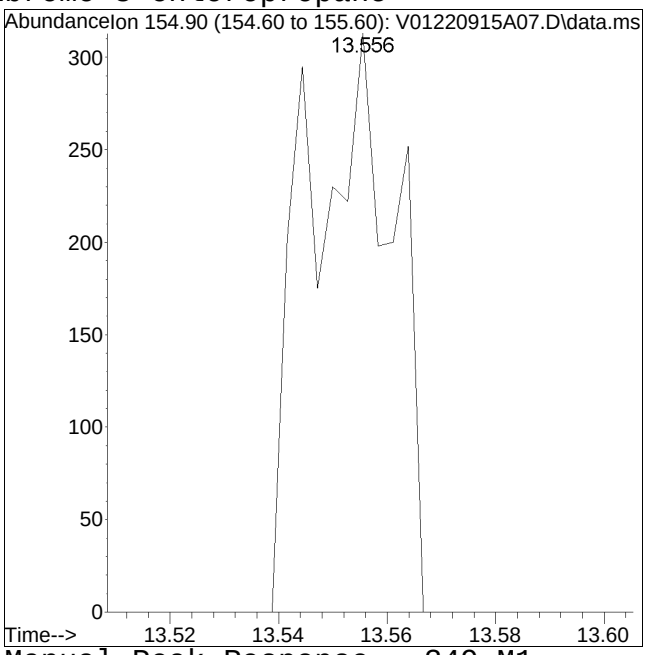
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A07.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 1:55 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/16/2022 2:17 pm

Compound #106: 1,2-Dibromo-3-chloropropane





Original Peak Response = 112 Manual Peak Response = 349 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A08.D
Acq On : 15 Sep 2022 2:19 pm
Operator : VOA101:MKS
Sample : I8260STD2PPB
Misc : WG1688474
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 16 14:17:53 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:17:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	485756	10.000	ug/L	0.00
Standard Area 1 = 492854			Recovery = 98.56%			
59) Chlorobenzene-d5	9.657	117	375624	10.000	ug/L	0.00
Standard Area 1 = 380882			Recovery = 98.62%			
79) 1,4-Dichlorobenzene-d4	12.334	152	192315	10.000	ug/L	0.00
Standard Area 1 = 198713			Recovery = 96.78%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.310	113	130636	9.979	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.79%			
43) 1,2-Dichloroethane-d4	5.837	65	144698	10.106	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.06%			
60) Toluene-d8	7.811	98	483759	10.091	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.91%			
83) 4-Bromofluorobenzene	11.138	95	174439	10.135	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.707	85	21133	1.797	ug/L	99
3) Chloromethane	1.905	50	25667	1.853	ug/L	100
4) Vinyl chloride	1.980	62	24483	1.905	ug/L	98
5) Bromomethane	2.298	94	13411	1.775	ug/L	96
6) Chloroethane	2.418	64	14610	1.901	ug/L	97
7) Trichlorofluoromethane	2.563	101	30248	1.803	ug/L	97
8) Ethyl ether	2.867	74	7838	1.809	ug/L #	86
10) 1,1-Dichloroethene	3.059	96	18177	1.797	ug/L	97
11) Carbon disulfide	3.093	76	46129	1.812	ug/L	99
12) Freon-113	3.095	101	20454	1.825	ug/L	92
13) Iodomethane	3.196	142	13142	2.275	ug/L	99
14) Acrolein	3.380	56	2446M3	1.841	ug/L	
15) Methylene chloride	3.614	84	19468	1.776	ug/L	92
16) Isopropyl alcohol	3.536	45	3872M1	9.531	ug/L	
17) Acetone	3.656	43	6425	2.450	ug/L #	72
18) trans-1,2-Dichloroethene	3.770	96	19037	1.761	ug/L	94
19) Methyl acetate	3.776	43	9289	1.715	ug/L	91
20) Methyl tert-butyl ether	3.860	73	38899	1.758	ug/L	93
21) tert-Butyl alcohol	3.946	59	5347M1	8.459	ug/L	
22) Diisopropyl ether	4.222	45	68552	1.764	ug/L	97
23) 1,1-Dichloroethane	4.353	63	37570	1.800	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A08.D
Acq On : 15 Sep 2022 2:19 pm
Operator : VOA101:MKS
Sample : I8260STD2PPB
Misc : WG1688474
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 16 14:17:53 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:17:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.398	117	14663	1.722	ug/L		100
25) Acrylonitrile	4.401	53	4059M1	1.570	ug/L		
26) Ethyl tert-butyl ether	4.568	59	55151	1.722	ug/L		91
27) Vinyl acetate	4.590	43	31132	1.551	ug/L	#	95
28) cis-1,2-Dichloroethene	4.869	96	22324M1	1.882	ug/L		
29) 2,2-Dichloropropane	4.969	77	29955	1.862	ug/L		92
30) Bromochloromethane	5.061	128	9723	1.875	ug/L		96
31) Cyclohexane	5.070	56	41683	1.834	ug/L		92
32) Chloroform	5.134	83	31736	1.713	ug/L		96
33) Ethyl acetate	5.248	43	10857	1.364	ug/L	#	90
34) Carbon tetrachloride	5.271	117	27695	1.620	ug/L		98
35) Tetrahydrofuran	5.287	42	4159M1	1.783	ug/L		
37) 1,1,1-Trichloroethane	5.335	97	30130	1.759	ug/L		97
38) 2-Butanol	5.296	45	5305M1	9.445	ug/L		
39) 2-Butanone	5.438	43	5269	1.627	ug/L	#	34
40) 1,1-Dichloropropene	5.460	75	26410	1.787	ug/L	#	84
41) Benzene	5.703	78	75262	1.757	ug/L		96
42) tert-Amyl methyl ether	5.809	73	42352	1.761	ug/L		96
44) 1,2-Dichloroethane	5.904	62	25124	1.809	ug/L		99
46) 2-Methyl-2-butanol	6.004	59	4610	9.349	ug/L		97
47) Methyl cyclohexane	6.291	83	34089	1.796	ug/L		88
48) Trichloroethene	6.305	95	21274	1.709	ug/L		98
50) Dibromomethane	6.746	93	9582	1.672	ug/L		93
51) 1,2-Dichloropropane	6.841	63	21308	1.799	ug/L		96
52) 4-penten-2-ol	6.841	45	2604M1	6.623	ug/L		
54) Bromodichloromethane	6.916	83	24717	1.739	ug/L	#	98
57) 1,4-Dioxane	7.128	88	23054M1	384.795	ug/L		
58) cis-1,3-Dichloropropene	7.607	75	29184	1.730	ug/L	#	88
61) Toluene	7.872	92	49738	1.808	ug/L		99
62) 4-Methyl-2-pentanone	8.305	58	4562M1	1.681	ug/L		
63) Tetrachloroethene	8.321	166	21481	1.777	ug/L		84
65) trans-1,3-Dichloropropene	8.360	75	23689	1.701	ug/L		97
66) 4-Methyl-2-pentanol	8.430	45	10641	8.246	ug/L	#	84
67) Ethyl methacrylate	8.542	69	16042	1.515	ug/L		94
68) 1,1,2-Trichloroethane	8.539	83	11247	1.755	ug/L	#	82
69) Chlorodibromomethane	8.756	129	16778	1.679	ug/L		98
70) 1,3-Dichloropropane	8.860	76	24159	1.798	ug/L		99
71) 1,2-Dibromoethane	9.032	107	13351	1.724	ug/L		99
72) 2-Hexanone	9.322	43	7757	1.619	ug/L		90
73) Chlorobenzene	9.682	112	55172	1.784	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A08.D
Acq On : 15 Sep 2022 2:19 pm
Operator : VOA101:MKS
Sample : I8260STD2PPB
Misc : WG1688474
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 16 14:17:53 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:17:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) Ethylbenzene	9.716	91	92402	1.769	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.760	131	18784	1.732	ug/L		98
76) p/m Xylene	9.902	106	72635	3.511	ug/L		96
77) o Xylene	10.441	106	68634	3.489	ug/L		95
78) Styrene	10.505	104	106241	3.340	ug/L		97
80) Bromoform	10.536	173	9001	1.645	ug/L		99
82) Isopropylbenzene	10.814	105	91174	1.800	ug/L		100
84) Bromobenzene	11.252	156	21100	1.785	ug/L		99
85) n-Propylbenzene	11.291	91	102695	1.784	ug/L		98
86) 1,4-Dichlorobutane	11.308	55	24970	1.798	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.375	83	14085	1.720	ug/L		97
88) 4-Ethyltoluene	11.417	105	85317	1.771	ug/L		100
89) 2-Chlorotoluene	11.459	91	61145M1	1.824	ug/L		
90) 1,3,5-Trimethylbenzene	11.509	105	71665	1.765	ug/L		100
91) 1,2,3-Trichloropropane	11.514	75	11853M1	1.720	ug/L		
92) trans-1,4-Dichloro-2-b...	11.565	53	4528	1.759	ug/L	#	71
93) 4-Chlorotoluene	11.643	91	60589	1.759	ug/L		97
94) tert-Butylbenzene	11.846	119	61686	1.787	ug/L		98
97) 1,2,4-Trimethylbenzene	11.930	105	68961	1.757	ug/L		100
98) sec-Butylbenzene	12.036	105	84388	1.758	ug/L		100
99) p-Isopropyltoluene	12.189	119	71488	1.737	ug/L		99
100) 1,3-Dichlorobenzene	12.264	146	37848	1.735	ug/L		99
101) 1,4-Dichlorobenzene	12.351	146	39513	1.778	ug/L		97
102) p-Diethylbenzene	12.560	119	39958	1.725	ug/L		98
103) n-Butylbenzene	12.619	91	54290	1.698	ug/L		97
104) 1,2-Dichlorobenzene	12.778	146	33760	1.742	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.352	119	52733	1.696	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.550	155	1823	1.785	ug/L	#	39
107) 1,3,5-Trichlorobenzene	13.583	180	19401	1.732	ug/L		99
108) Hexachlorobutadiene	14.152	225	7151	1.799	ug/L		95
109) 1,2,4-Trichlorobenzene	14.183	180	14693	1.651	ug/L		98
110) Naphthalene	14.473	128	28800	1.606	ug/L		100
111) 1,2,3-Trichlorobenzene	14.643	180	10214	1.638	ug/L		99

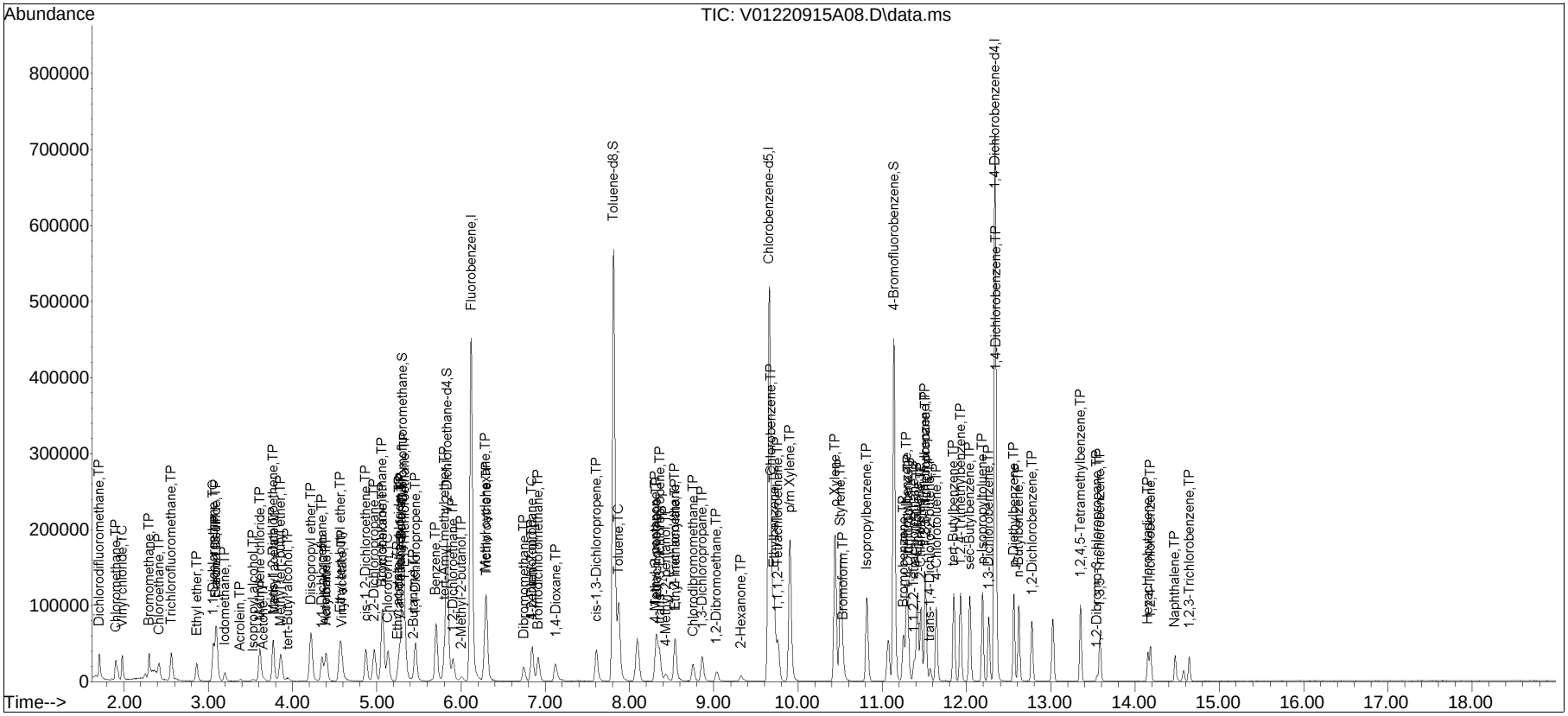
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A08.D
Acq On : 15 Sep 2022 2:19 pm
Operator : VOA101:MKS
Sample : I8260STD2PPB
Misc : WG1688474
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 16 14:17:53 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:17:23 2022
Response via : Initial Calibration

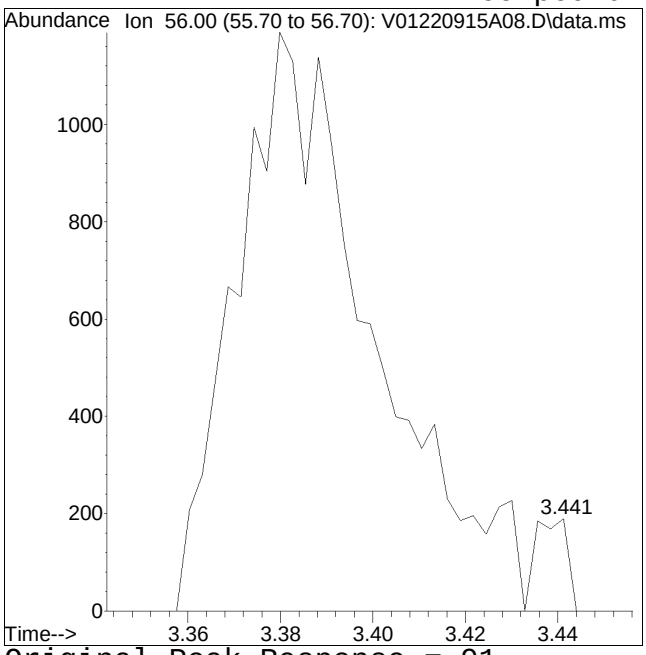
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE915A10.D•

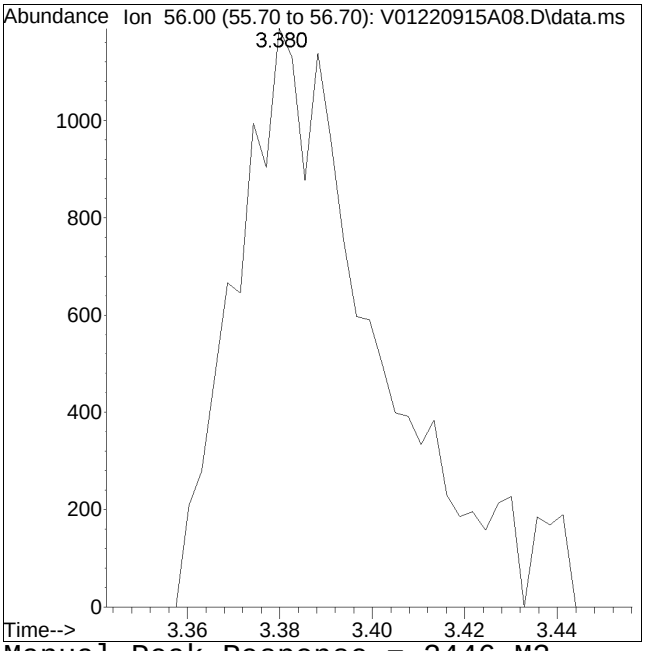


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #14: Acrolein





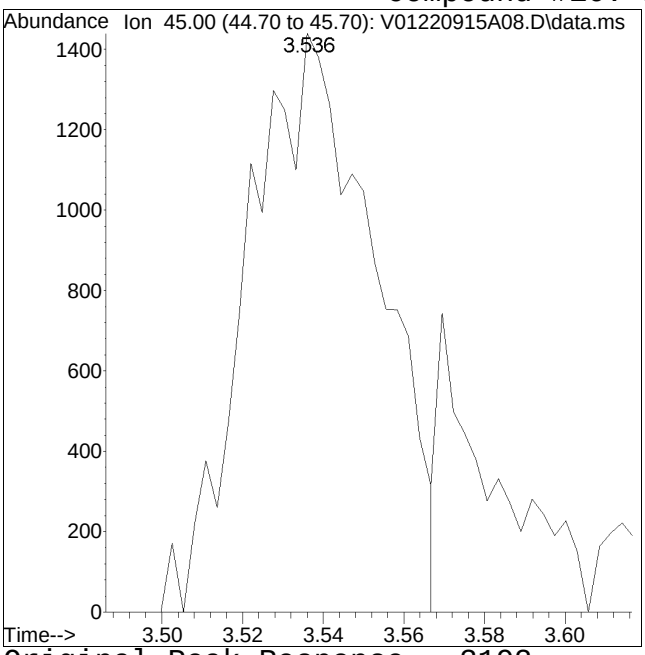
Original Peak Response = 91 Manual Peak Response = 2446 M3

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

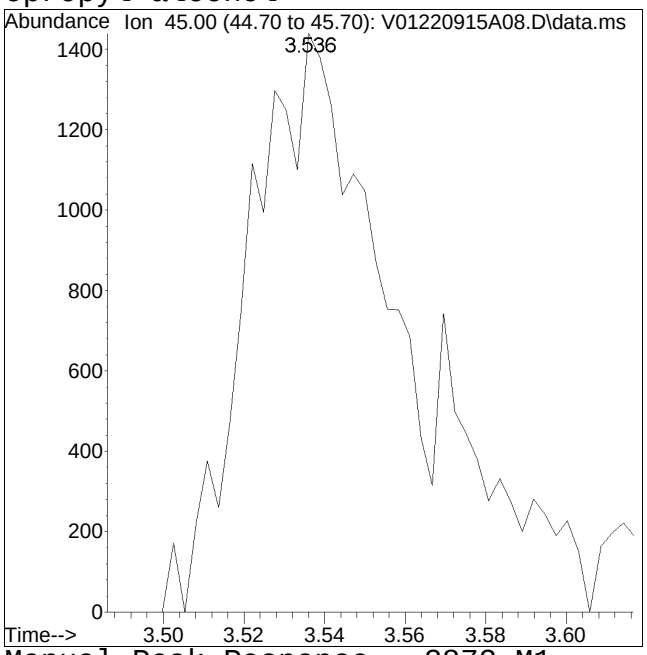
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #16: Isopropyl alcohol



Original Peak Response = 3192



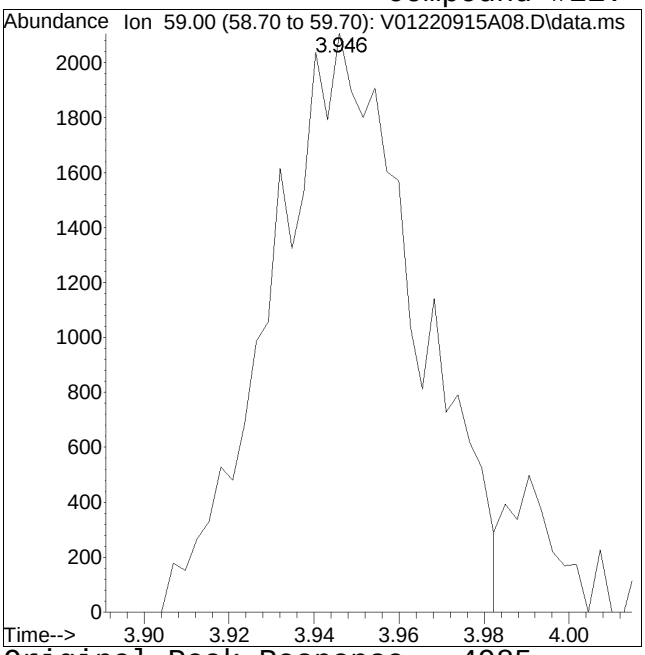
Manual Peak Response = 3872 M1

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

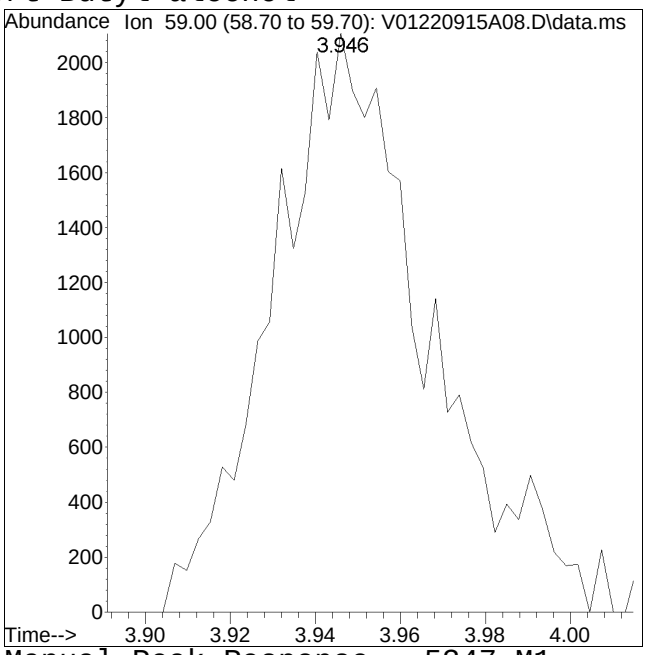
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 4985



Manual Peak Response = 5347 M1

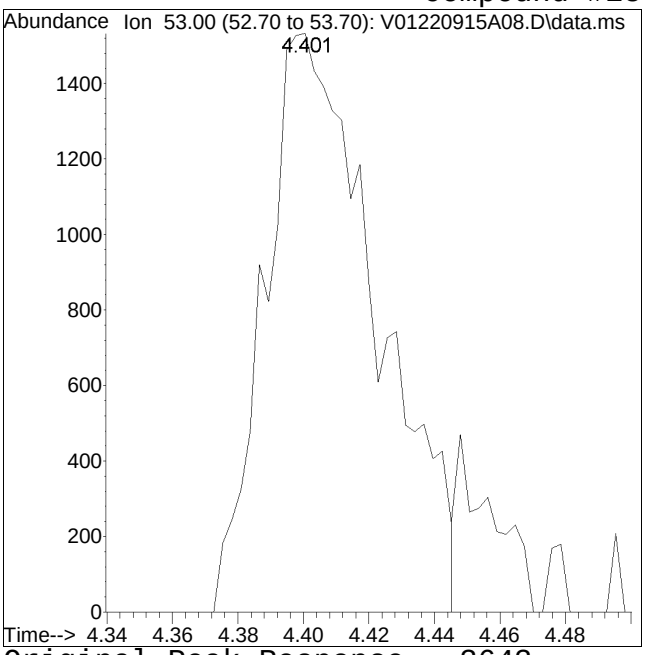
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

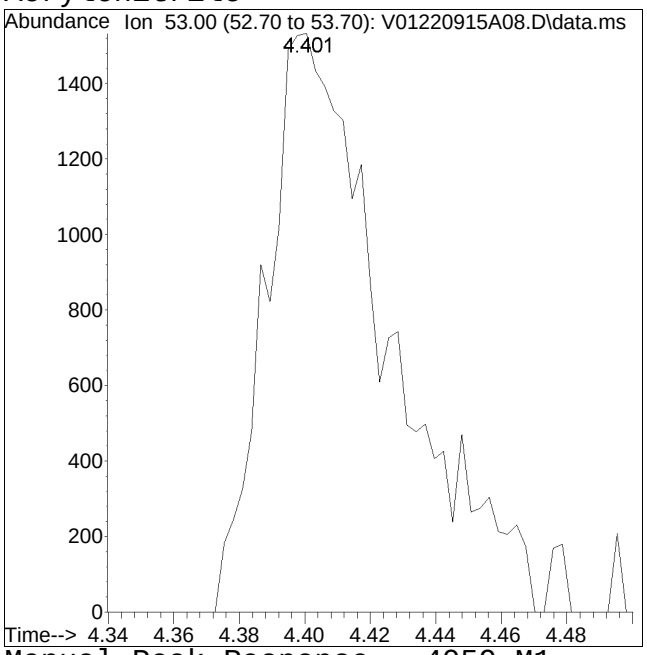
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01220915A08.D
Date Inj'd : 9/15/2022 2:19 pm
Sample : I8260STD2PPB

Method : V101_220915A_8260.m
Operator : VOA101:MKS
Instrument : VOA 101
Quant Date : 9/16/2022 2:17 pm

Compound #25: Acrylonitrile



Original Peak Response = 3643



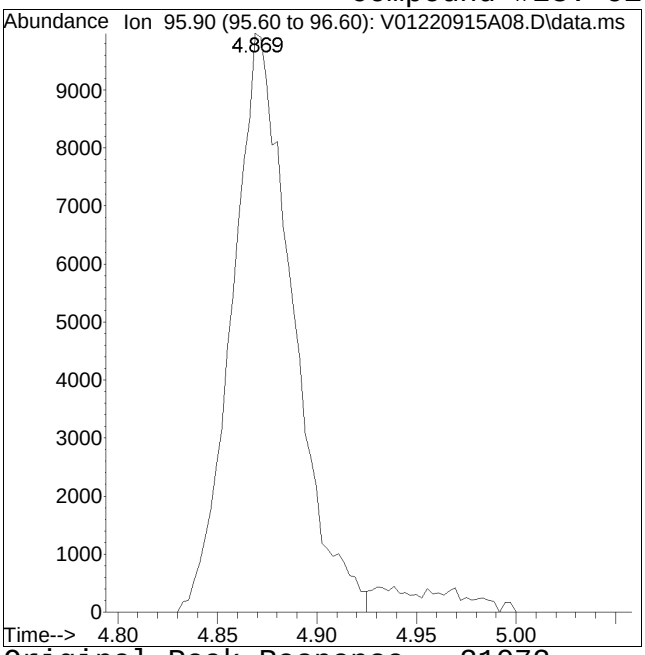
Manual Peak Response = 4059 M1

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

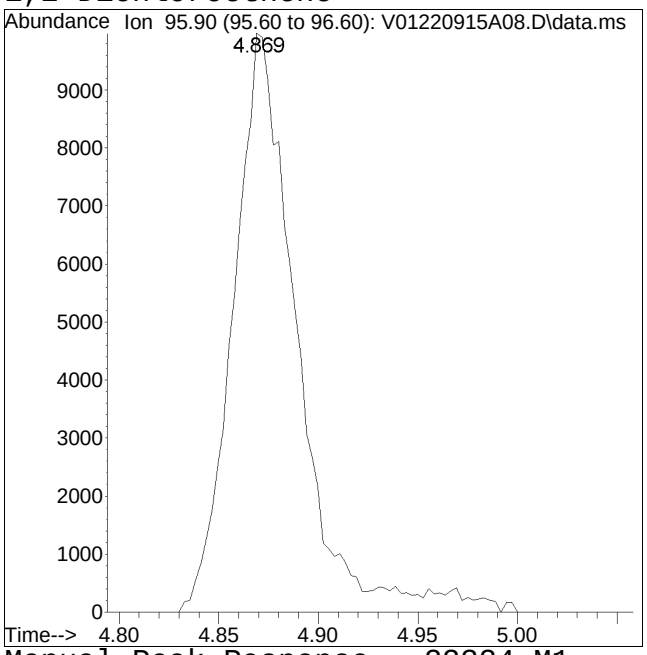
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 21072



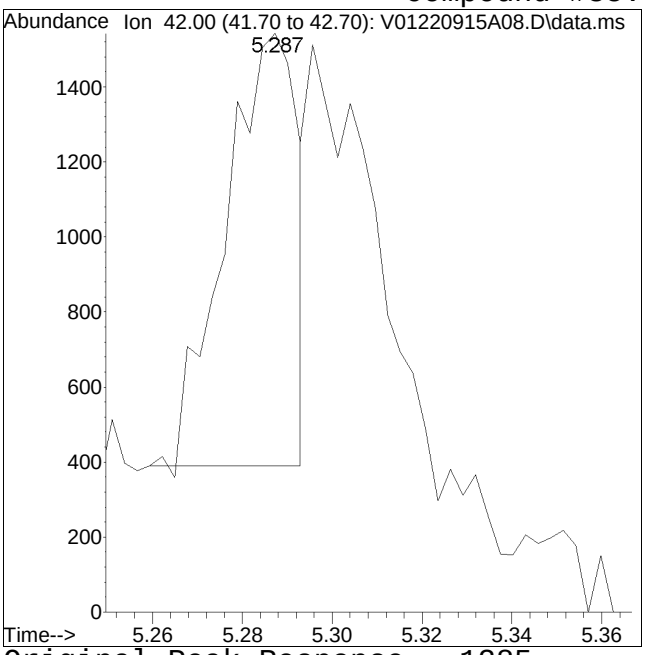
Manual Peak Response = 22324 M1

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

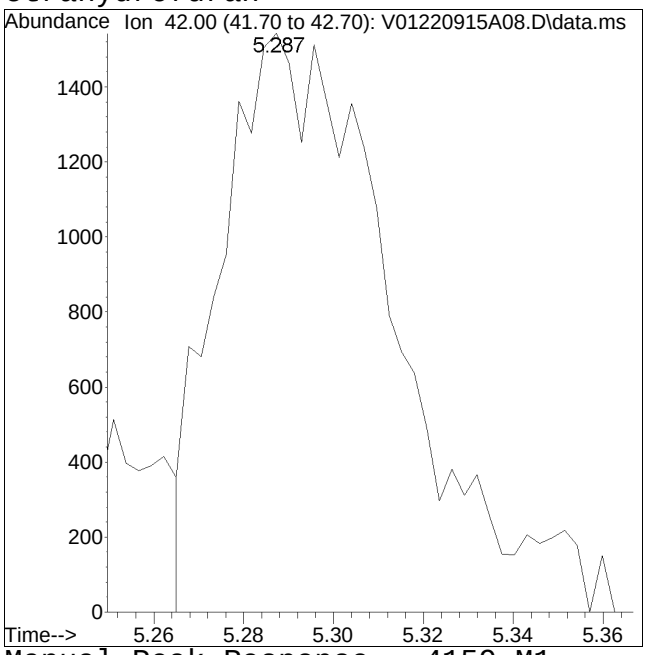
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 1285



Manual Peak Response = 4159 M1

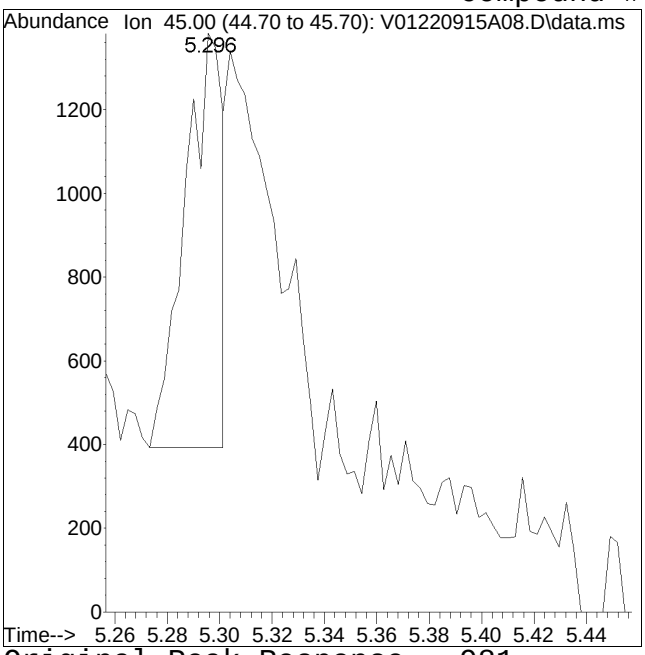
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

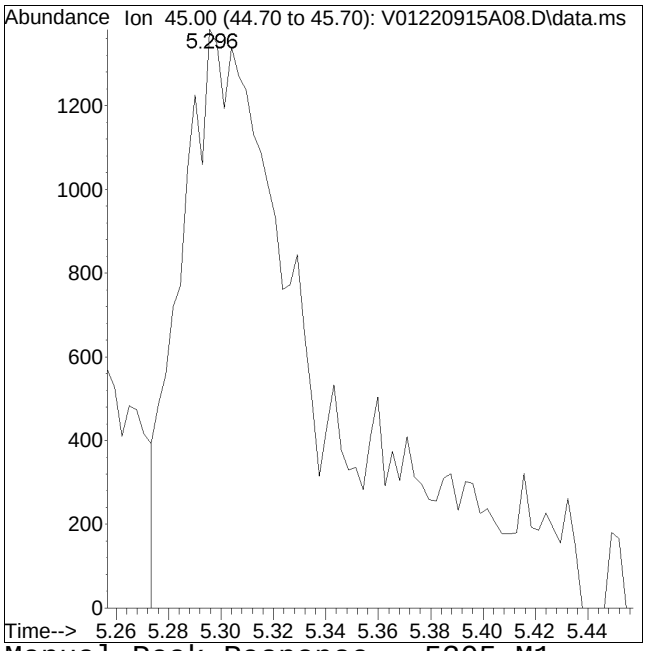
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01220915A08.D
Date Inj'd : 9/15/2022 2:19 pm
Sample : I8260STD2PPB

Method : V101_220915A_8260.m
Operator : VOA101:MKS
Instrument : VOA 101
Quant Date : 9/16/2022 2:17 pm

Compound #38: 2-Butanol



Original Peak Response = 981



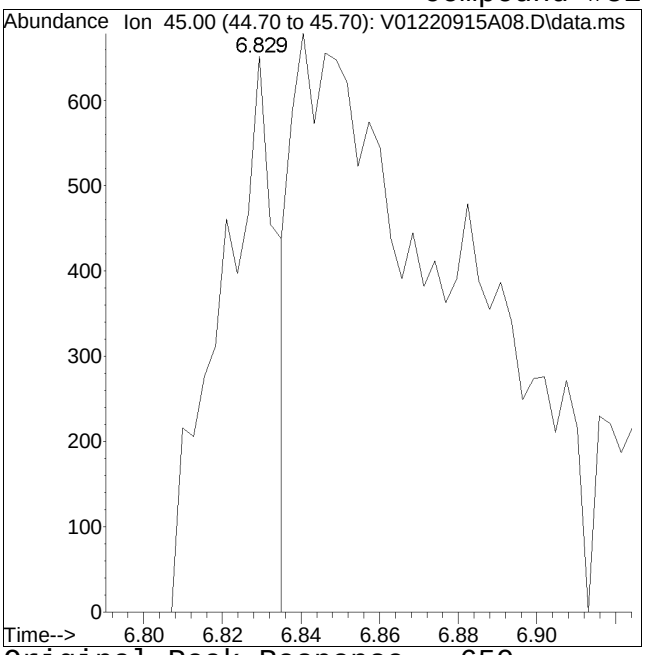
Manual Peak Response = 5305 M1

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

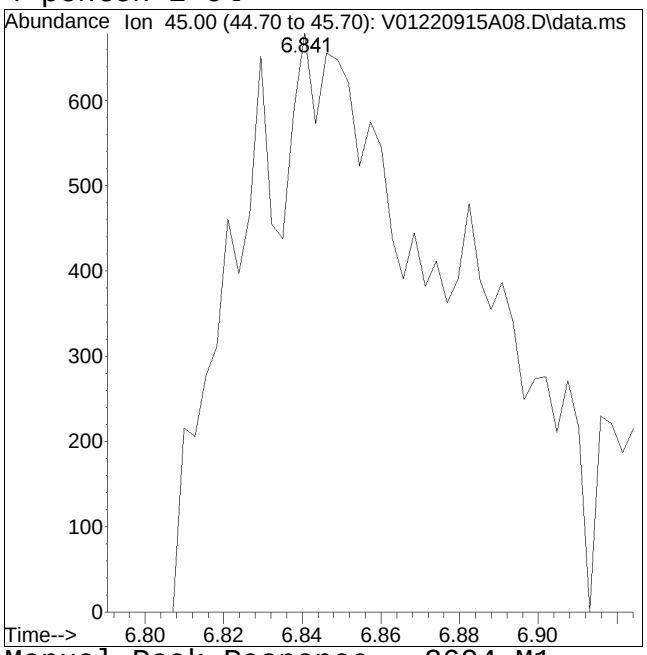
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #52: 4-penten-2-ol



Original Peak Response = 650



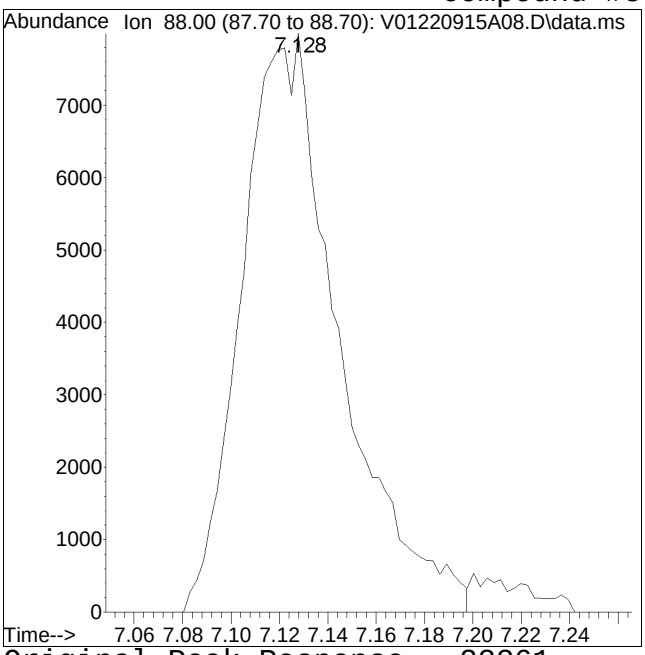
Manual Peak Response = 2604 M1

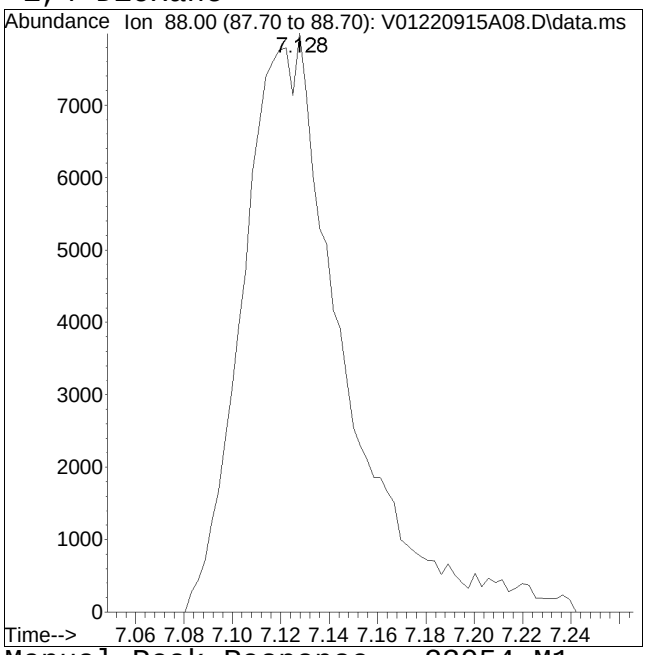
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #57: 1,4-Dioxane



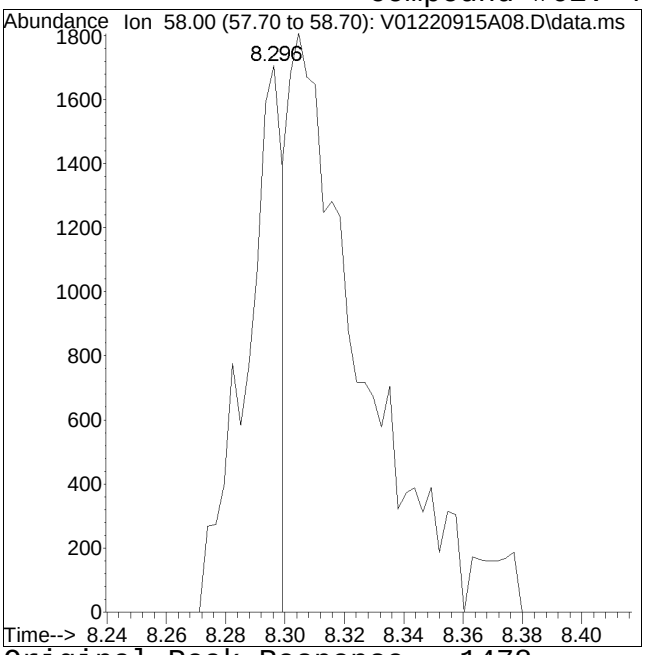


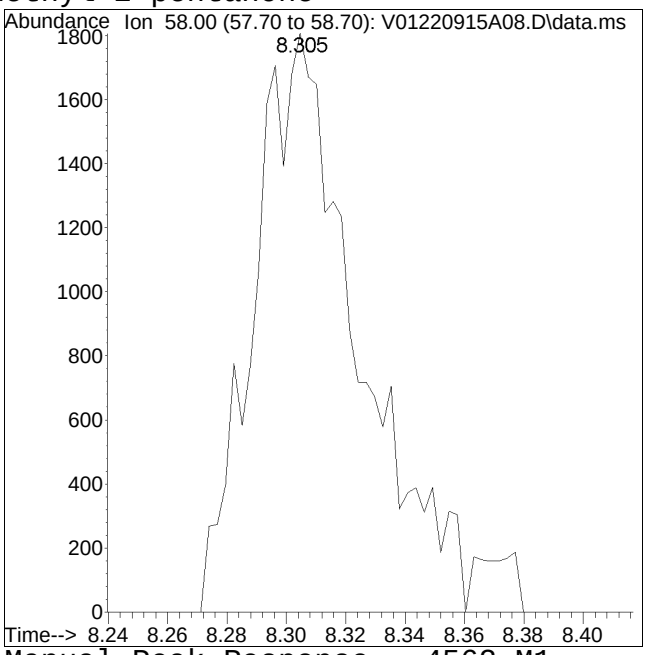
Original Peak Response = 22261 Manual Peak Response = 23054 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #62: 4-Methyl-2-pentanone



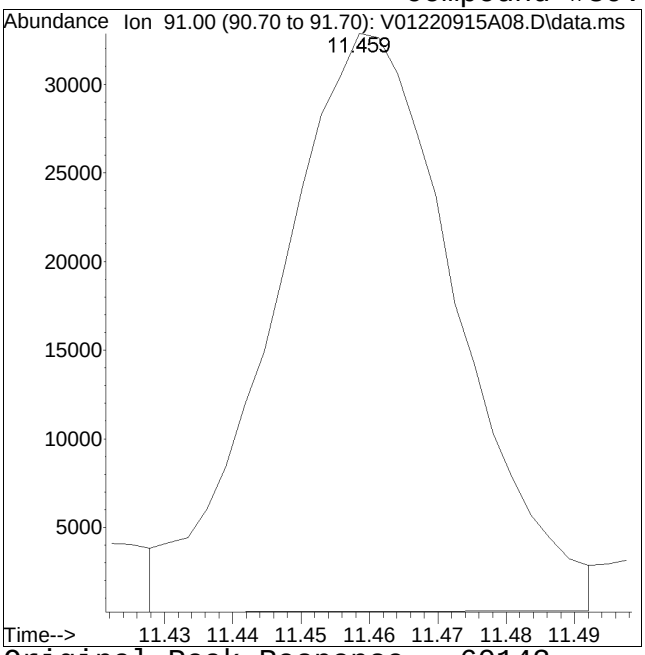


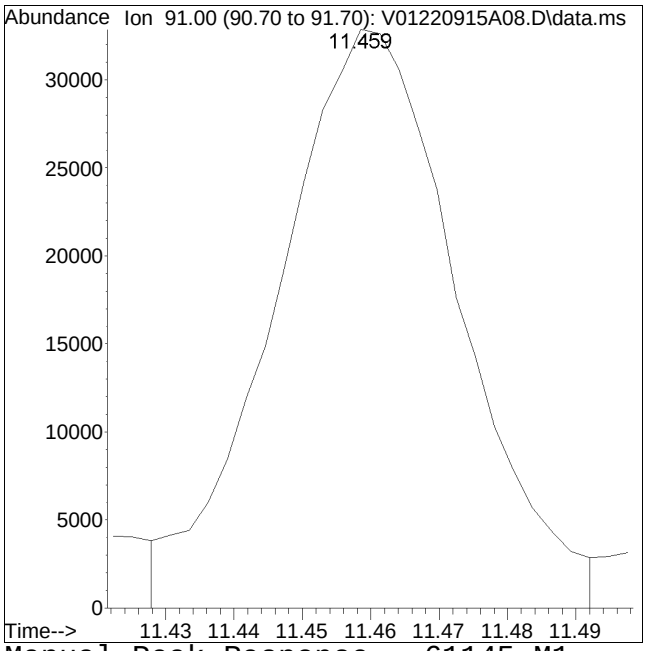
Original Peak Response = 1478 Manual Peak Response = 4562 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #89: 2-Chlorotoluene



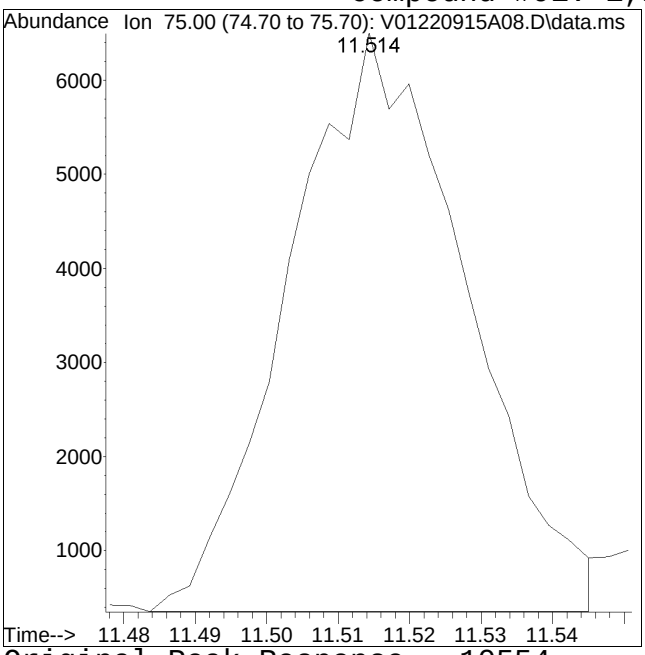


Original Peak Response = 60143 Manual Peak Response = 61145 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

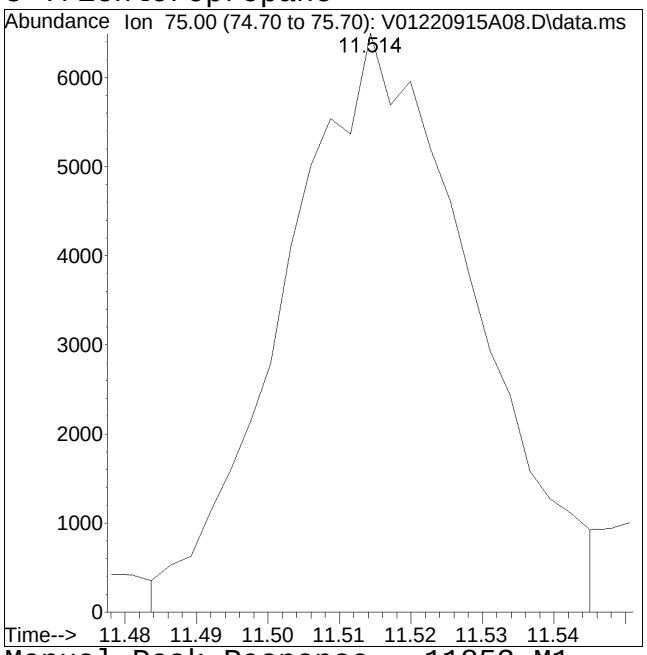
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A08.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 2:19 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/16/2022 2:17 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 10554



Manual Peak Response = 11853 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A10.D
Acq On : 15 Sep 2022 3:07 pm
Operator : VOA101:MKS
Sample : I8260STD10PPB
Misc : WG1688474
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 16 13:46:55 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:47 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	492854	10.000	ug/L	0.00
Standard Area 1 = 492854			Recovery = 100.00%			
59) Chlorobenzene-d5	9.660	117	380882	10.000	ug/L	0.00
Standard Area 1 = 380882			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.337	152	198713	10.000	ug/L	0.00
Standard Area 1 = 198713			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.310	113	131725	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
43) 1,2-Dichloroethane-d4	5.834	65	143119	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
60) Toluene-d8	7.811	98	492119	9.997	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.97%			
83) 4-Bromofluorobenzene	11.141	95	177752	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.709	85	117082	10.000	ug/L	100
3) Chloromethane	1.905	50	133601	10.000	ug/L	100
4) Vinyl chloride	1.980	62	131307	10.000	ug/L	99
5) Bromomethane	2.298	94	57699	10.000	ug/L	98
6) Chloroethane	2.418	64	80521	10.000	ug/L	96
7) Trichlorofluoromethane	2.563	101	166388	10.000	ug/L	98
8) Ethyl ether	2.861	74	43119	10.000	ug/L	86
10) 1,1-Dichloroethene	3.062	96	98734	10.000	ug/L	94
11) Carbon disulfide	3.095	76	238897	10.000	ug/L	99
12) Freon-113	3.098	101	112251	10.000	ug/L	86
13) Iodomethane	3.199	142	98173	10.000	ug/L	97
14) Acrolein	3.377	56	13407M1	10.000	ug/L	
15) Methylene chloride	3.617	84	102494	10.000	ug/L	91
16) Isopropyl alcohol	3.530	45	23353M1	50.000	ug/L	
17) Acetone	3.650	43	23486	10.000	ug/L	96
18) trans-1,2-Dichloroethene	3.768	96	105769	10.000	ug/L	95
19) Methyl acetate	3.768	43	52994	10.000	ug/L	92
20) Methyl tert-butyl ether	3.860	73	217744	10.000	ug/L	96
21) tert-Butyl alcohol	3.940	59	33318M1	50.000	ug/L	
22) Diisopropyl ether	4.219	45	386947	10.000	ug/L	96
23) 1,1-Dichloroethane	4.350	63	206754	10.000	ug/L	98

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A10.D
Acq On : 15 Sep 2022 3:07 pm
Operator : VOA101:MKS
Sample : I8260STD10PPB
Misc : WG1688474
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 16 13:46:55 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:47 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.401	117	84957	10.000	ug/L		99
25) Acrylonitrile	4.392	53	24599M1	10.000	ug/L		
26) Ethyl tert-butyl ether	4.565	59	314350	10.000	ug/L		97
27) Vinyl acetate	4.579	43	211073	10.000	ug/L		97
28) cis-1,2-Dichloroethene	4.869	96	113128	10.000	ug/L		94
29) 2,2-Dichloropropane	4.969	77	160942	10.000	ug/L		94
30) Bromochloromethane	5.059	128	54013	10.000	ug/L		99
31) Cyclohexane	5.067	56	225663	10.000	ug/L		91
32) Chloroform	5.134	83	179546	10.000	ug/L		97
33) Ethyl acetate	5.237	43	78976	10.000	ug/L	#	90
34) Carbon tetrachloride	5.273	117	156856	10.000	ug/L		99
35) Tetrahydrofuran	5.285	42	22918M1	10.000	ug/L		
37) 1,1,1-Trichloroethane	5.332	97	167928	10.000	ug/L		99
38) 2-Butanol	5.296	45	29506M1	50.000	ug/L		
39) 2-Butanone	5.424	43	28865	10.000	ug/L	#	43
40) 1,1-Dichloropropene	5.457	75	147537	10.000	ug/L		97
41) Benzene	5.703	78	418899	10.000	ug/L		96
42) tert-Amyl methyl ether	5.812	73	235807	10.000	ug/L		96
44) 1,2-Dichloroethane	5.906	62	134712	10.000	ug/L		96
46) 2-Methyl-2-butanol	6.001	59	27744M1	50.000	ug/L		
47) Methyl cyclohexane	6.288	83	187020	10.000	ug/L		90
48) Trichloroethene	6.300	95	111106	10.000	ug/L		93
50) Dibromomethane	6.743	93	55514	10.000	ug/L		98
51) 1,2-Dichloropropane	6.841	63	115074	10.000	ug/L		98
52) 4-penten-2-ol	6.810	45	20512M1	50.000	ug/L		
54) Bromodichloromethane	6.913	83	136237	10.000	ug/L		100
57) 1,4-Dioxane	7.122	88	29061	500.000	ug/L		91
58) cis-1,3-Dichloropropene	7.602	75	163592	10.000	ug/L	#	90
61) Toluene	7.870	92	273573	10.000	ug/L		97
62) 4-Methyl-2-pentanone	8.296	58	27720	10.000	ug/L		98
63) Tetrachloroethene	8.321	166	120653	10.000	ug/L		100
65) trans-1,3-Dichloropropene	8.352	75	136834	10.000	ug/L		97
66) 4-Methyl-2-pentanol	8.422	45	67118	50.000	ug/L		97
67) Ethyl methacrylate	8.536	69	99053	10.000	ug/L		98
68) 1,1,2-Trichloroethane	8.536	83	65118	10.000	ug/L		98
69) Chlorodibromomethane	8.754	129	96091	10.000	ug/L		98
70) 1,3-Dichloropropane	8.860	76	134401	10.000	ug/L		98
71) 1,2-Dibromoethane	9.030	107	76903	10.000	ug/L		99
72) 2-Hexanone	9.311	43	46594	10.000	ug/L		99
73) Chlorobenzene	9.679	112	301687	10.000	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A10.D
Acq On : 15 Sep 2022 3:07 pm
Operator : VOA101:MKS
Sample : I8260STD10PPB
Misc : WG1688474
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 16 13:46:55 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:47 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) Ethylbenzene	9.713	91	513026	10.000	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.763	131	105405	10.000	ug/L		99
76) p/m Xylene	9.902	106	407861	20.000	ug/L		94
77) o Xylene	10.438	106	384151	20.000	ug/L		95
78) Styrene	10.502	104	618034	20.000	ug/L		96
80) Bromoform	10.530	173	54344	10.000	ug/L		99
82) Isopropylbenzene	10.817	105	509134	10.000	ug/L		100
84) Bromobenzene	11.249	156	117450	10.000	ug/L		100
85) n-Propylbenzene	11.291	91	574864	10.000	ug/L		98
86) 1,4-Dichlorobutane	11.305	55	138360	10.000	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.375	83	83599	10.000	ug/L		98
88) 4-Ethyltoluene	11.411	105	478148	10.000	ug/L		100
89) 2-Chlorotoluene	11.456	91	330013	10.000	ug/L		96
90) 1,3,5-Trimethylbenzene	11.509	105	401181	10.000	ug/L		99
91) 1,2,3-Trichloropropane	11.512	75	68258M1	10.000	ug/L		
92) trans-1,4-Dichloro-2-b...	11.567	53	25319	10.000	ug/L	#	77
93) 4-Chlorotoluene	11.637	91	336674	10.000	ug/L		98
94) tert-Butylbenzene	11.849	119	343837	10.000	ug/L		98
97) 1,2,4-Trimethylbenzene	11.927	105	386516	10.000	ug/L		99
98) sec-Butylbenzene	12.039	105	479094	10.000	ug/L		99
99) p-Isopropyltoluene	12.189	119	409028	10.000	ug/L		98
100) 1,3-Dichlorobenzene	12.262	146	213447	10.000	ug/L		99
101) 1,4-Dichlorobenzene	12.351	146	215345	10.000	ug/L		99
102) p-Diethylbenzene	12.560	119	228134	10.000	ug/L		99
103) n-Butylbenzene	12.616	91	314454	10.000	ug/L		99
104) 1,2-Dichlorobenzene	12.772	146	189713	10.000	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.352	119	302949	10.000	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.550	155	11442	10.000	ug/L		100
107) 1,3,5-Trichlorobenzene	13.584	180	109298	10.000	ug/L		99
108) Hexachlorobutadiene	14.152	225	38277	10.000	ug/L		100
109) 1,2,4-Trichlorobenzene	14.177	180	85537	10.000	ug/L		98
110) Naphthalene	14.473	128	173016	10.000	ug/L		100
111) 1,2,3-Trichlorobenzene	14.640	180	59505	10.000	ug/L		99

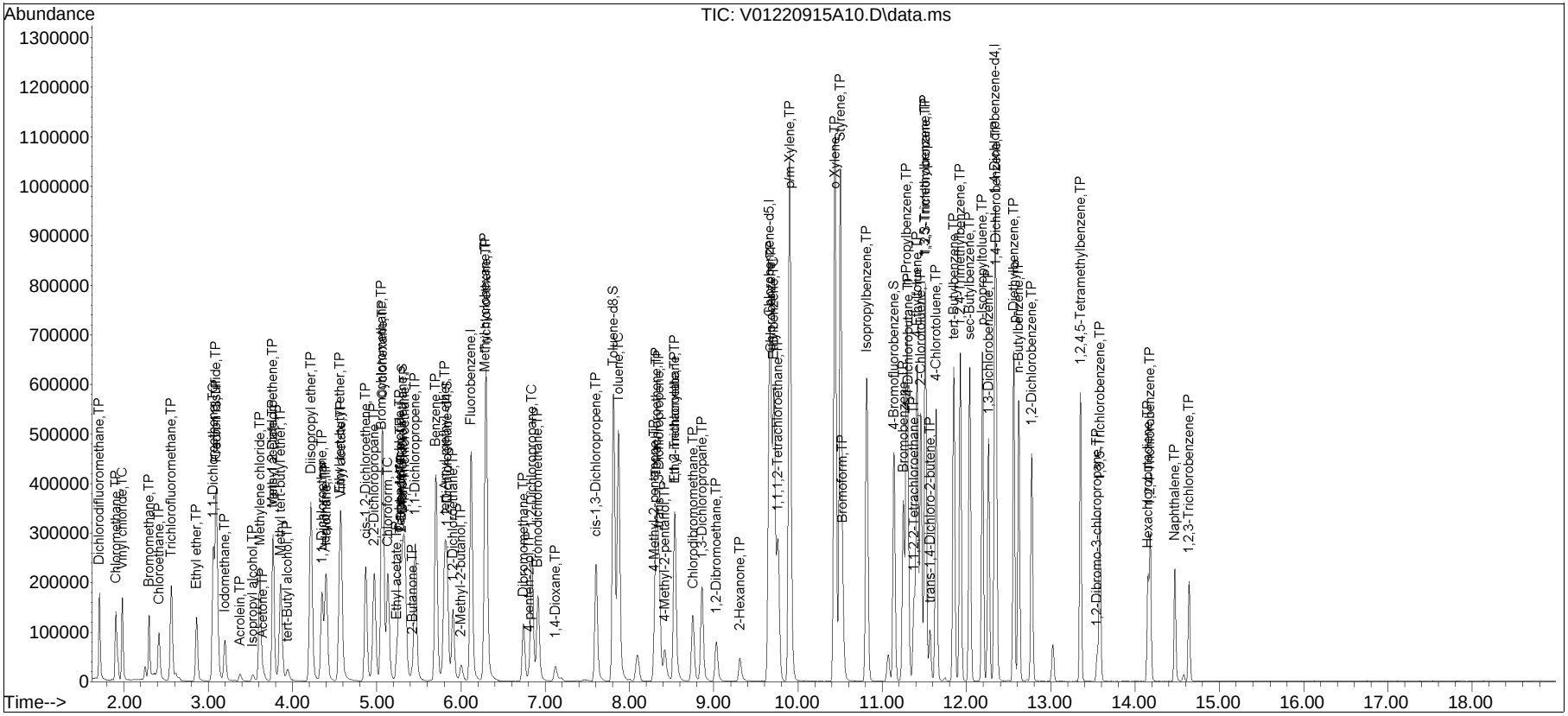
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A10.D
Acq On : 15 Sep 2022 3:07 pm
Operator : VOA101:MKS
Sample : I8260STD10PPB
Misc : WG1688474
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 16 13:46:55 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:47 2022
Response via : Initial Calibration

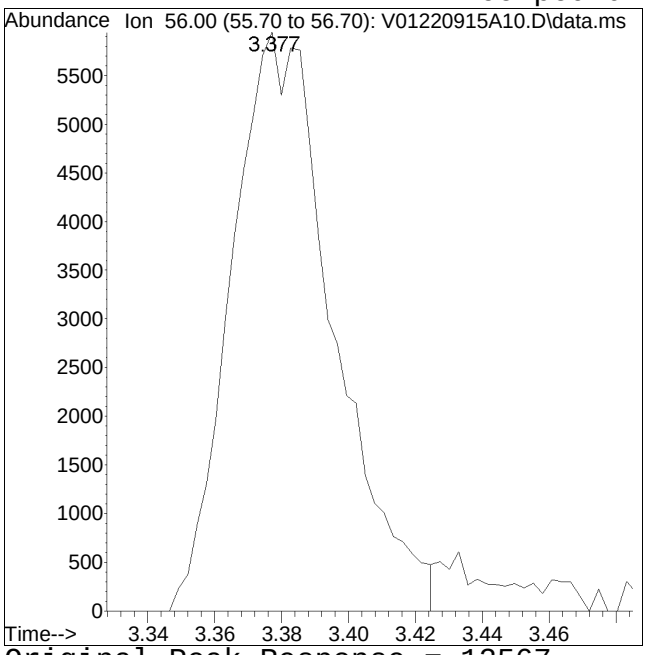
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE915A10.D•

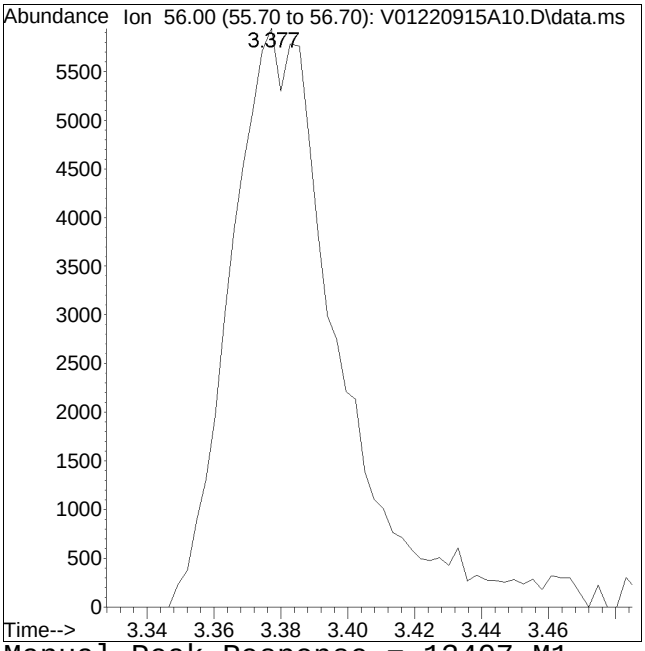


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #14: Acrolein



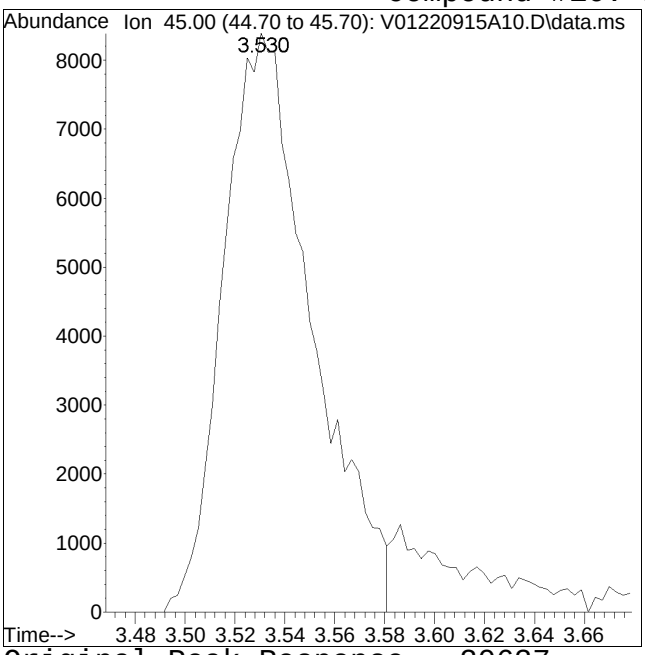


Original Peak Response = 12567 Manual Peak Response = 13407 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

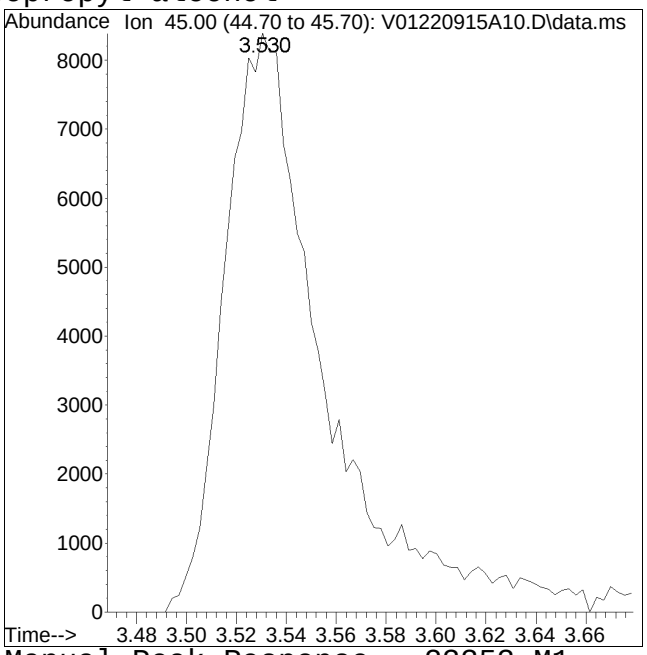
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #16: Isopropyl alcohol



Original Peak Response = 20637



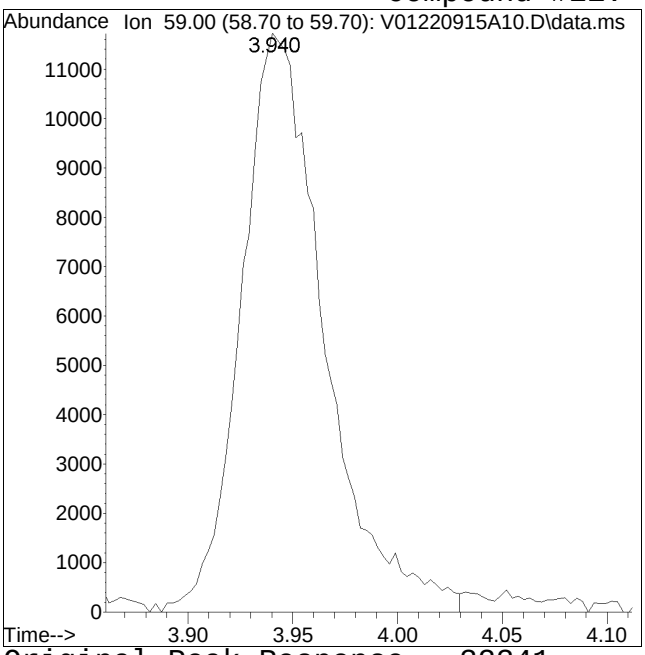
Manual Peak Response = 23353 M1

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

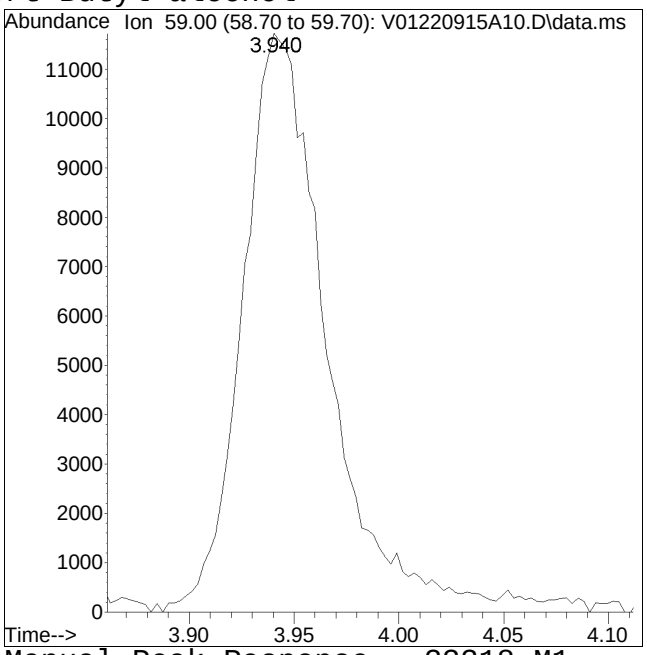
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 32341



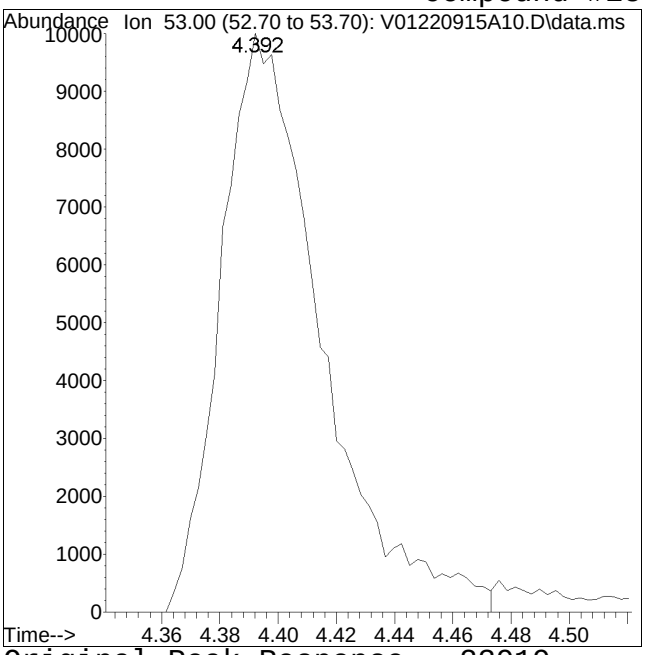
Manual Peak Response = 33318 M1

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

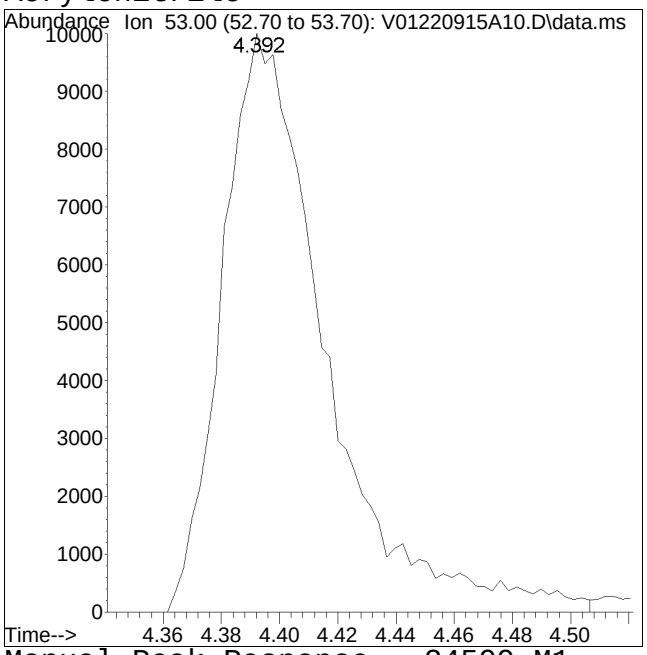
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #25: Acrylonitrile



Original Peak Response = 23919



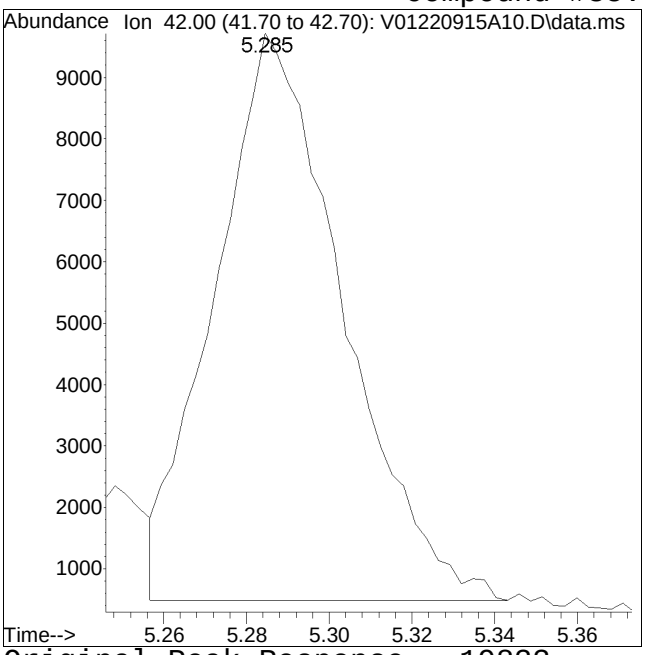
Manual Peak Response = 24599 M1

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

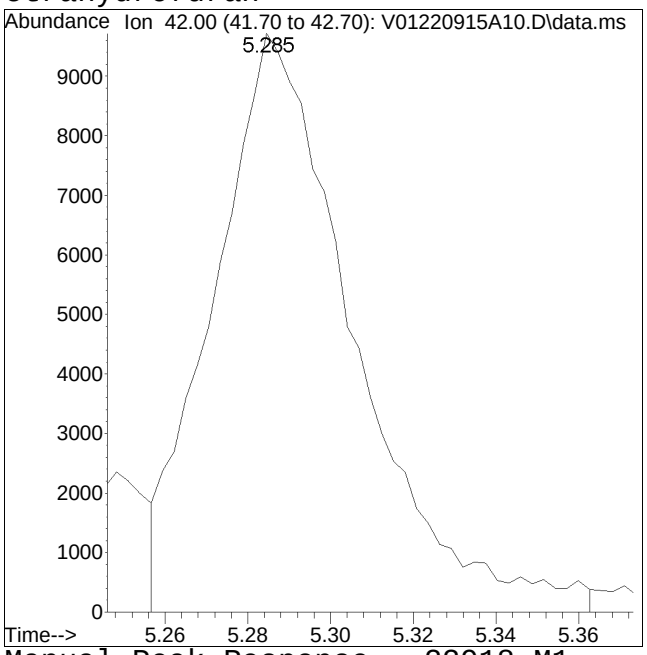
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 19833



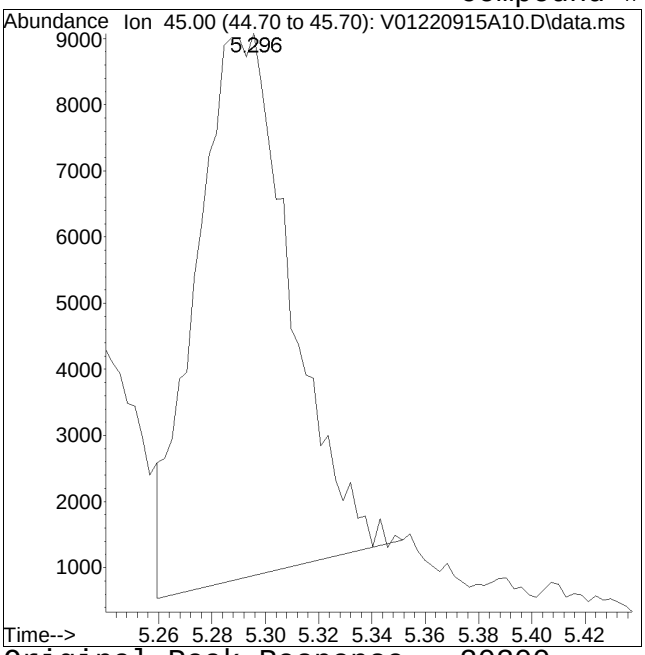
Manual Peak Response = 22918 M1

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

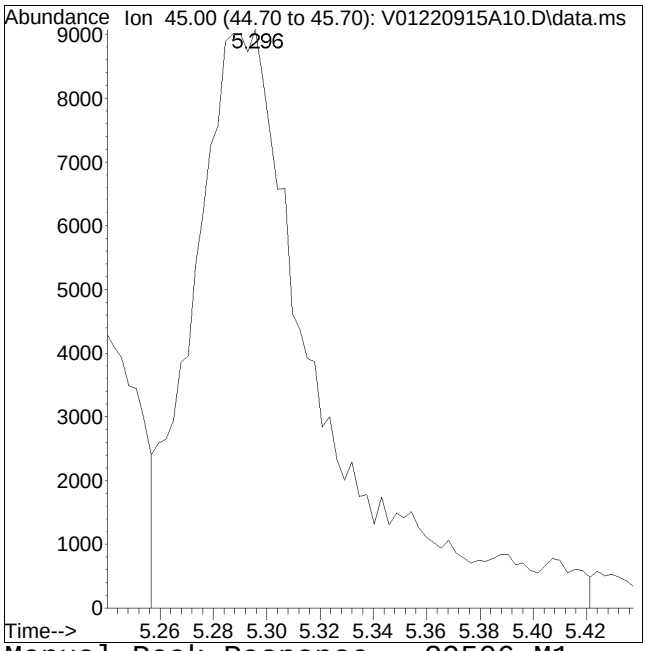
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #38: 2-Butanol



Original Peak Response = 20300



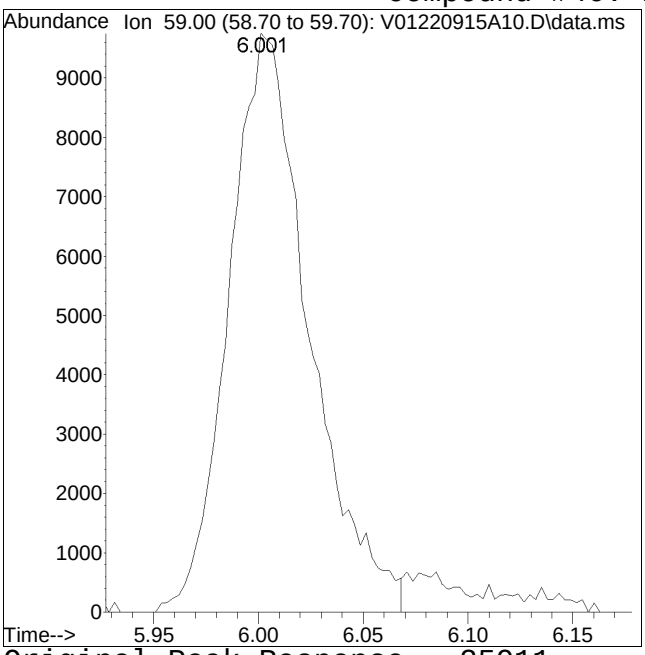
Manual Peak Response = 29506 M1

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

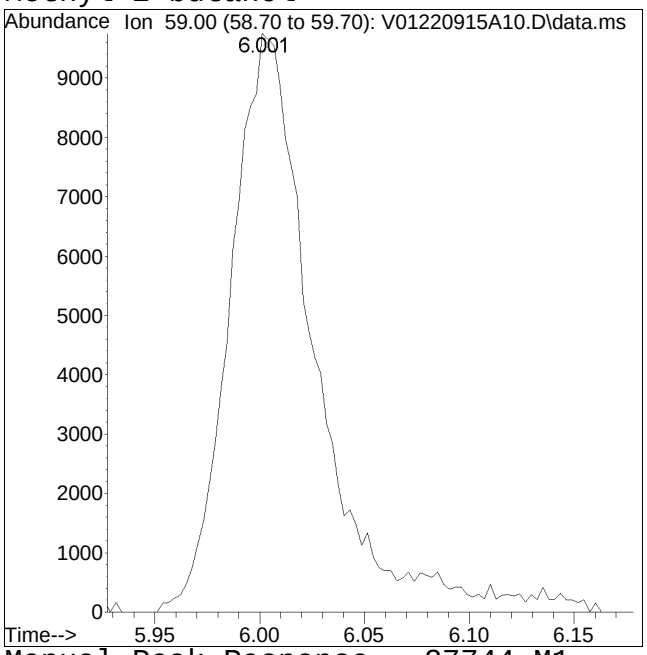
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #46: 2-Methyl-2-butanol



Original Peak Response = 25911



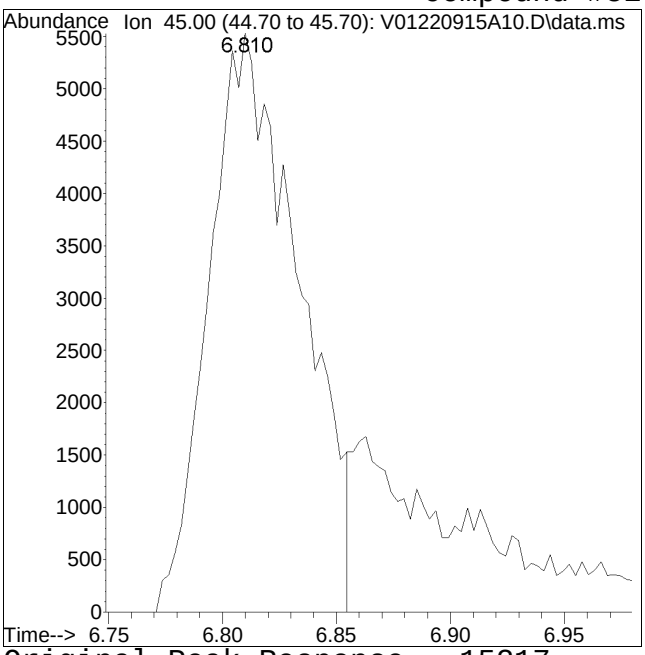
Manual Peak Response = 27744 M1

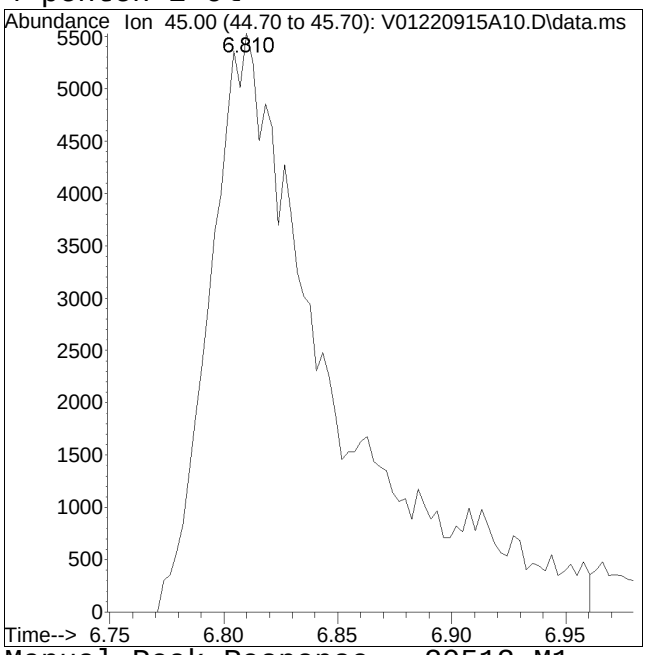
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #52: 4-penten-2-ol



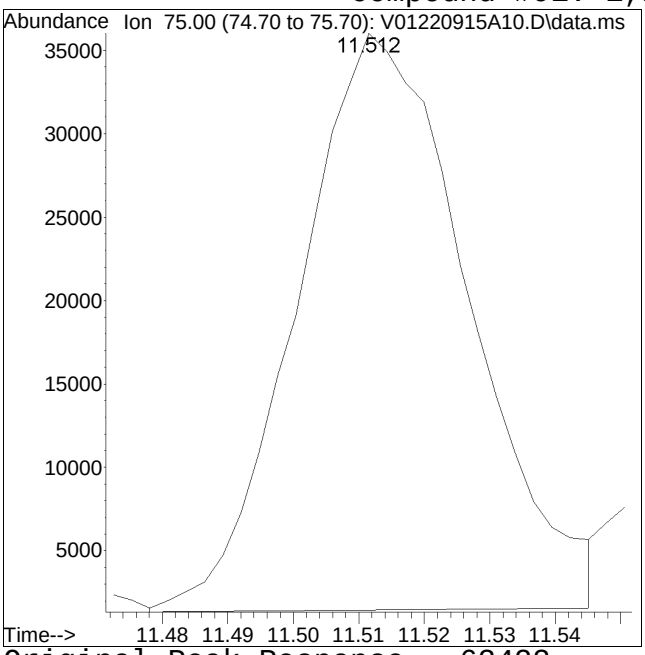


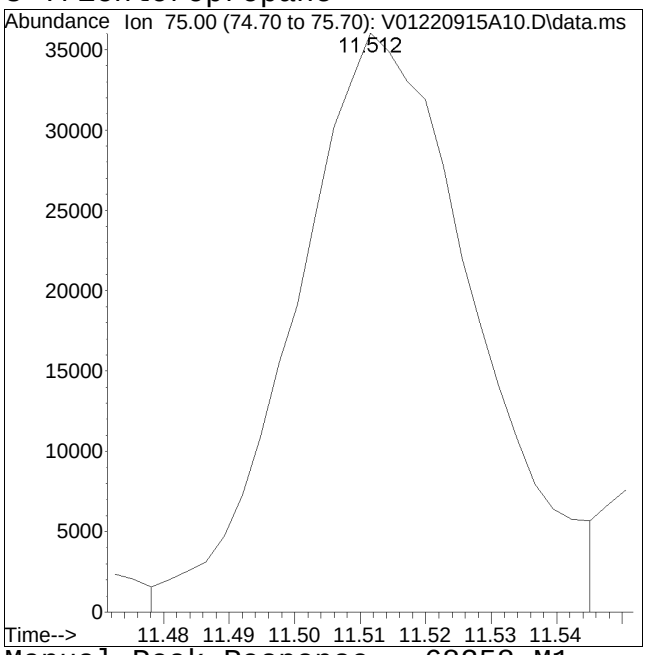
Original Peak Response = 15217 Manual Peak Response = 20512 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A10.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:07 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/16/2022 1:46 pm

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 62422 Manual Peak Response = 68258 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A11.D
Acq On : 15 Sep 2022 3:30 pm
Operator : VOA101:MKS
Sample : I8260STD30PPB
Misc : WG1688474
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 13:59:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	495355	10.000	ug/L	0.00
Standard Area 1 = 492854			Recovery = 100.51%			
59) Chlorobenzene-d5	9.657	117	386375	10.000	ug/L	0.00
Standard Area 1 = 380882			Recovery = 101.44%			
79) 1,4-Dichlorobenzene-d4	12.337	152	204064	10.000	ug/L	0.00
Standard Area 1 = 198713			Recovery = 102.69%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.309	113	133143	10.057	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%			
43) 1,2-Dichloroethane-d4	5.834	65	144222	10.026	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.26%			
60) Toluene-d8	7.811	98	492842	9.870	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.70%			
83) 4-Bromofluorobenzene	11.138	95	180695	9.899	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.99%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.709	85	378428	32.158	ug/L	99
3) Chloromethane	1.905	50	436703	32.522	ug/L	100
4) Vinyl chloride	1.983	62	429762	32.564	ug/L	99
5) Bromomethane	2.298	94	199002	34.316	ug/L	100
6) Chloroethane	2.415	64	262660	32.455	ug/L	96
7) Trichlorofluoromethane	2.563	101	539058	32.234	ug/L	99
8) Ethyl ether	2.861	74	138590	31.979	ug/L	85
10) 1,1-Dichloroethene	3.059	96	323562	32.606	ug/L	94
11) Carbon disulfide	3.092	76	802747	33.433	ug/L	99
12) Freon-113	3.098	101	357868	31.720	ug/L	91
13) Iodomethane	3.198	142	410816	41.635	ug/L	98
14) Acrolein	3.377	56	40149	29.795	ug/L	94
15) Methylene chloride	3.614	84	332639	32.291	ug/L	91
16) Isopropyl alcohol	3.525	45	66056M1	140.715	ug/L	
17) Acetone	3.647	43	75296	31.898	ug/L	97
18) trans-1,2-Dichloroethene	3.770	96	349019	32.832	ug/L	95
19) Methyl acetate	3.770	43	166705	31.299	ug/L	93
20) Methyl tert-butyl ether	3.859	73	705505	32.237	ug/L	95
21) tert-Butyl alcohol	3.937	59	96822	144.566	ug/L	92
22) Diisopropyl ether	4.219	45	1252322	32.201	ug/L	96
23) 1,1-Dichloroethane	4.350	63	679065	32.678	ug/L	99

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A11.D
Acq On : 15 Sep 2022 3:30 pm
Operator : VOA101:MKS
Sample : I8260STD30PPB
Misc : WG1688474
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 13:59:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.398	117	278736	32.643	ug/L		98
25) Acrylonitrile	4.389	53	79133	32.007	ug/L		95
26) Ethyl tert-butyl ether	4.565	59	1024365	32.422	ug/L		91
27) Vinyl acetate	4.576	43	587509	27.694	ug/L		97
28) cis-1,2-Dichloroethene	4.869	96	379331	33.362	ug/L		96
29) 2,2-Dichloropropane	4.969	77	516176	31.910	ug/L		94
30) Bromochloromethane	5.061	128	169354	31.196	ug/L		100
31) Cyclohexane	5.072	56	730630	32.214	ug/L		96
32) Chloroform	5.131	83	598273	33.153	ug/L		98
33) Ethyl acetate	5.231	43	248354	31.288	ug/L		96
34) Carbon tetrachloride	5.270	117	514502	32.635	ug/L		99
35) Tetrahydrofuran	5.282	42	70875M1	30.769	ug/L		
37) 1,1,1-Trichloroethane	5.337	97	551102	32.652	ug/L		99
38) 2-Butanol	5.282	45	81220M1	136.938	ug/L		
39) 2-Butanone	5.418	43	97995	33.778	ug/L	#	47
40) 1,1-Dichloropropene	5.457	75	483045	32.575	ug/L		97
41) Benzene	5.703	78	1372386	32.596	ug/L		96
42) tert-Amyl methyl ether	5.806	73	762281	32.163	ug/L		96
44) 1,2-Dichloroethane	5.903	62	438394	32.379	ug/L		100
46) 2-Methyl-2-butanol	6.004	59	76223	136.675	ug/L		91
47) Methyl cyclohexane	6.291	83	607662	32.328	ug/L		89
48) Trichloroethene	6.299	95	386456	34.607	ug/L		95
50) Dibromomethane	6.740	93	184421	33.053	ug/L		97
51) 1,2-Dichloropropane	6.838	63	380318	32.883	ug/L		98
52) 4-penten-2-ol	6.799	45	61230M1	148.501	ug/L		
54) Bromodichloromethane	6.913	83	450476	32.899	ug/L		100
57) 1,4-Dioxane	7.125	88	37072M1	634.610	ug/L		
58) cis-1,3-Dichloropropene	7.602	75	543893	33.079	ug/L		91
61) Toluene	7.869	92	895481	32.267	ug/L		98
62) 4-Methyl-2-pentanone	8.293	58	88905	31.617	ug/L		98
63) Tetrachloroethene	8.321	166	399822	32.667	ug/L		99
65) trans-1,3-Dichloropropene	8.349	75	459114	33.076	ug/L		98
66) 4-Methyl-2-pentanol	8.416	45	207504	152.384	ug/L		97
67) Ethyl methacrylate	8.533	69	332514	33.092	ug/L		96
68) 1,1,2-Trichloroethane	8.536	83	208352	31.541	ug/L		96
69) Chlorodibromomethane	8.751	129	325243	33.366	ug/L		99
70) 1,3-Dichloropropane	8.859	76	438830	32.187	ug/L		99
71) 1,2-Dibromoethane	9.030	107	252804	32.406	ug/L		99
72) 2-Hexanone	9.303	43	157074	33.232	ug/L		98
73) Chlorobenzene	9.679	112	1003262	32.782	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A11.D
Acq On : 15 Sep 2022 3:30 pm
Operator : VOA101:MKS
Sample : I8260STD30PPB
Misc : WG1688474
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 13:59:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) Ethylbenzene	9.713	91	1700652	32.678	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.763	131	354381	33.143	ug/L		98
76) p/m Xylene	9.902	106	1357947	65.642	ug/L		95
77) o Xylene	10.438	106	1279478	65.666	ug/L		95
78) Styrene	10.502	104	2086676	66.566	ug/L		97
80) Bromoform	10.530	173	181569	32.535	ug/L		100
82) Isopropylbenzene	10.814	105	1702562	32.563	ug/L		100
84) Bromobenzene	11.246	156	390801	32.401	ug/L		100
85) n-Propylbenzene	11.288	91	1934811	32.774	ug/L		98
86) 1,4-Dichlorobutane	11.305	55	451945	31.808	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.375	83	262666	30.596	ug/L		99
88) 4-Ethyltoluene	11.414	105	1618981	32.972	ug/L		100
89) 2-Chlorotoluene	11.458	91	1117222M1	32.966	ug/L		
90) 1,3,5-Trimethylbenzene	11.509	105	1352630	32.832	ug/L		99
91) 1,2,3-Trichloropropane	11.514	75	221291M1	31.570	ug/L		
92) trans-1,4-Dichloro-2-b...	11.562	53	84428	32.471	ug/L	#	80
93) 4-Chlorotoluene	11.640	91	1147157	33.180	ug/L		99
94) tert-Butylbenzene	11.849	119	1145601	32.444	ug/L		98
97) 1,2,4-Trimethylbenzene	11.924	105	1315415	33.140	ug/L		100
98) sec-Butylbenzene	12.038	105	1605415	32.631	ug/L		99
99) p-Isopropyltoluene	12.189	119	1383342	32.933	ug/L		98
100) 1,3-Dichlorobenzene	12.259	146	721457	32.914	ug/L		99
101) 1,4-Dichlorobenzene	12.351	146	728613	32.947	ug/L		99
102) p-Diethylbenzene	12.560	119	776554	33.147	ug/L		99
103) n-Butylbenzene	12.618	91	1077063	33.354	ug/L		99
104) 1,2-Dichlorobenzene	12.772	146	643671	33.039	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.352	119	1048056	33.688	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.547	155	38284	32.582	ug/L		99
107) 1,3,5-Trichlorobenzene	13.581	180	373579	33.284	ug/L		99
108) Hexachlorobutadiene	14.152	225	128562	32.707	ug/L		99
109) 1,2,4-Trichlorobenzene	14.177	180	293013	33.357	ug/L		99
110) Naphthalene	14.473	128	580681	32.682	ug/L		100
111) 1,2,3-Trichlorobenzene	14.640	180	199056	32.575	ug/L		98

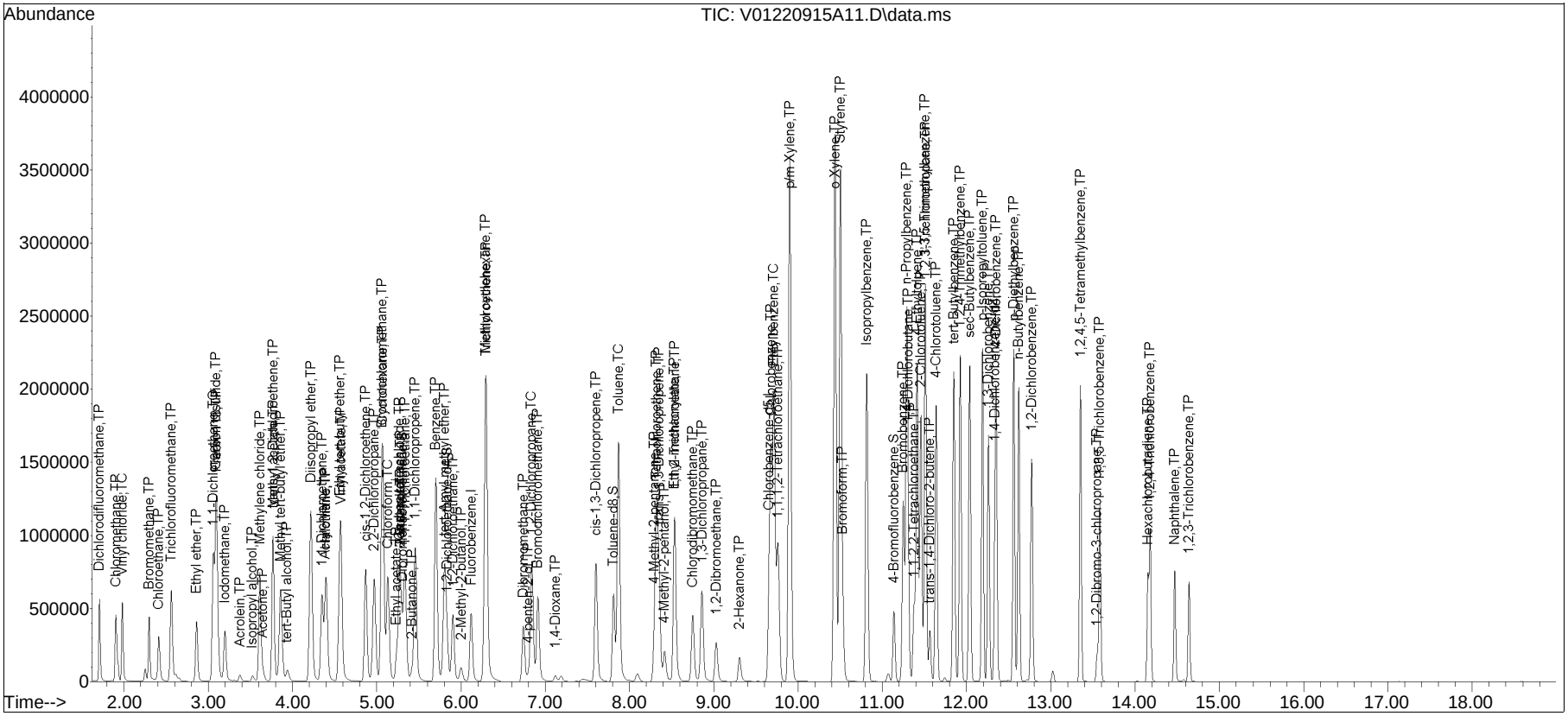
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A11.D
Acq On : 15 Sep 2022 3:30 pm
Operator : VOA101:MKS
Sample : I8260STD30PPB
Misc : WG1688474
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 13:59:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

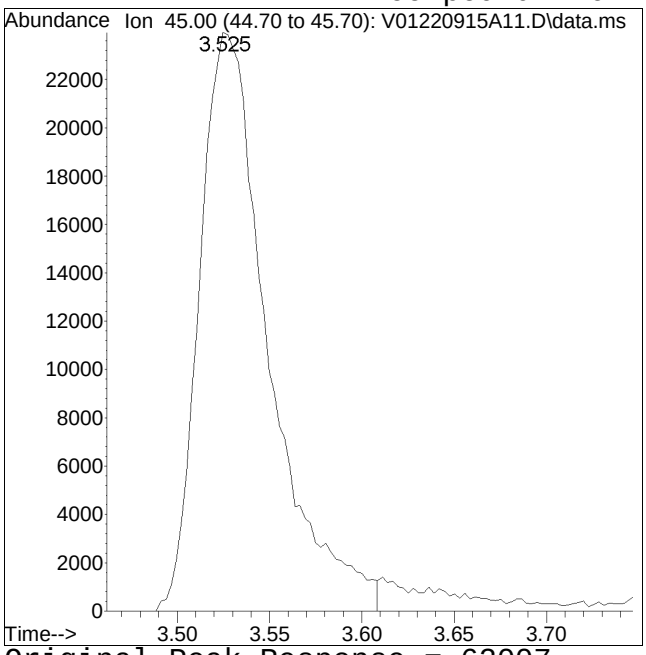
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE915A10.D•

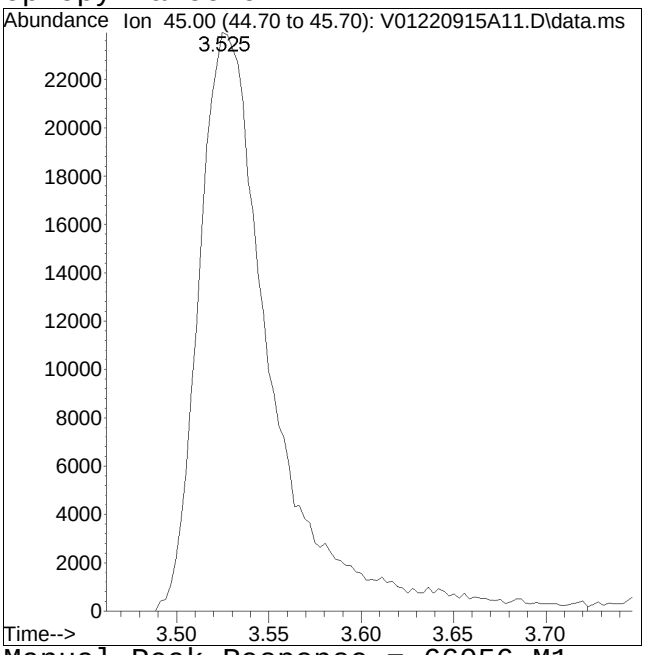


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A11.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:30 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/16/2022 1:47 pm

Compound #16: Isopropyl alcohol



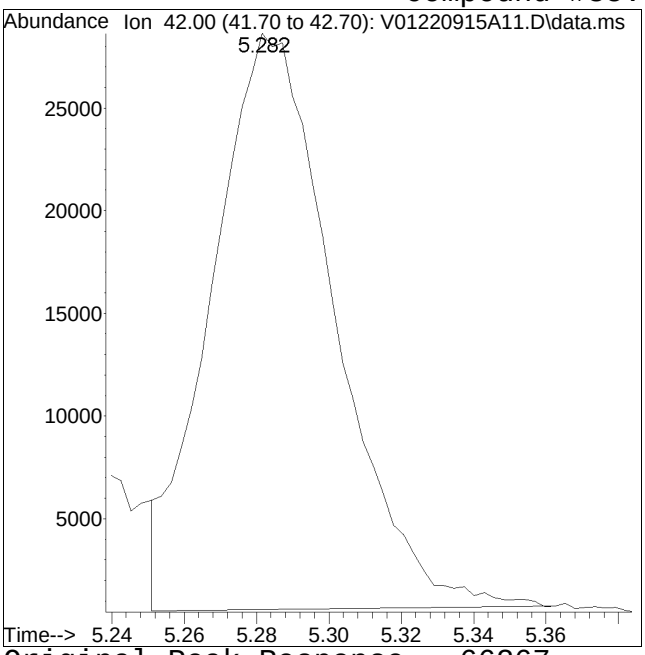


Original Peak Response = 62007 Manual Peak Response = 66056 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

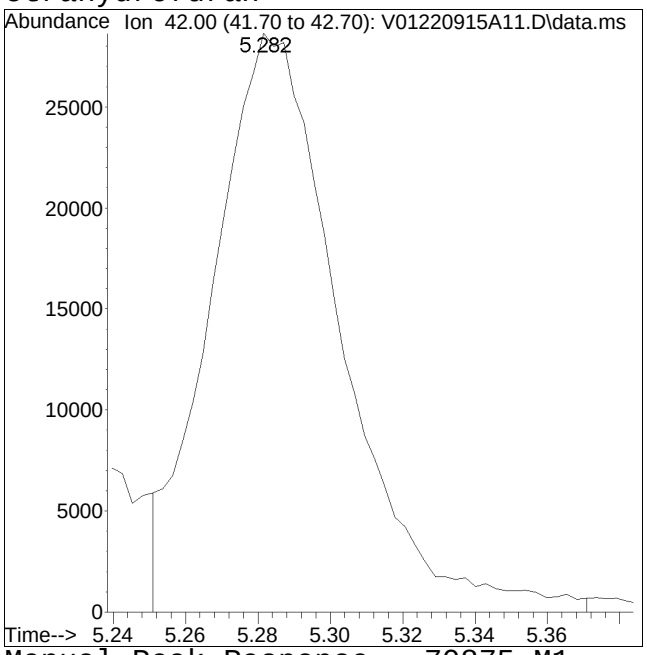
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A11.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:30 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/16/2022 1:47 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 66267



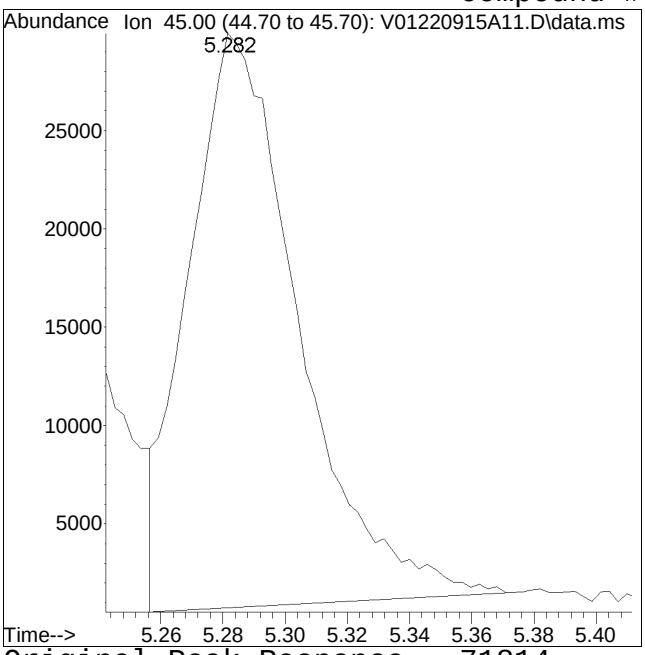
Manual Peak Response = 70875 M1

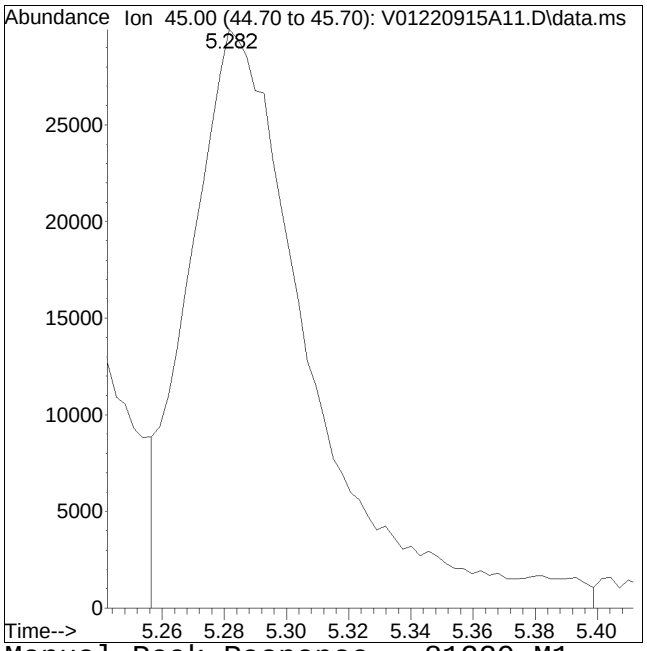
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A11.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:30 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/16/2022 1:47 pm

Compound #38: 2-Butanol



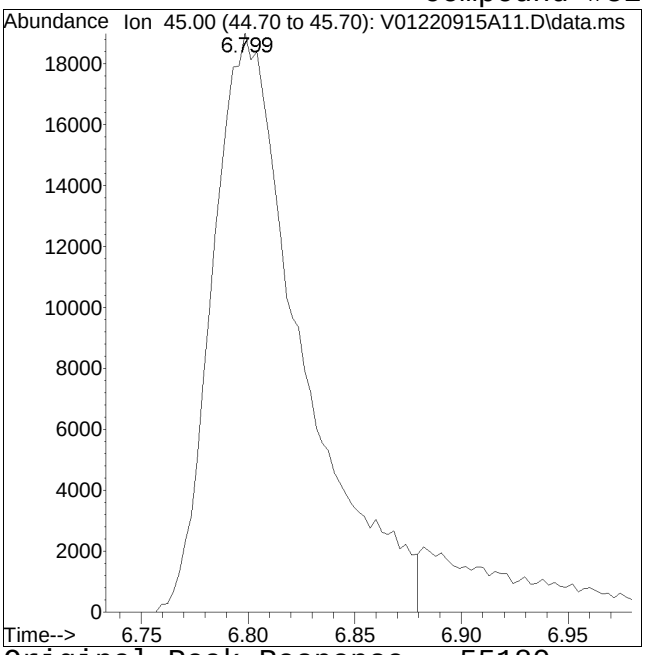


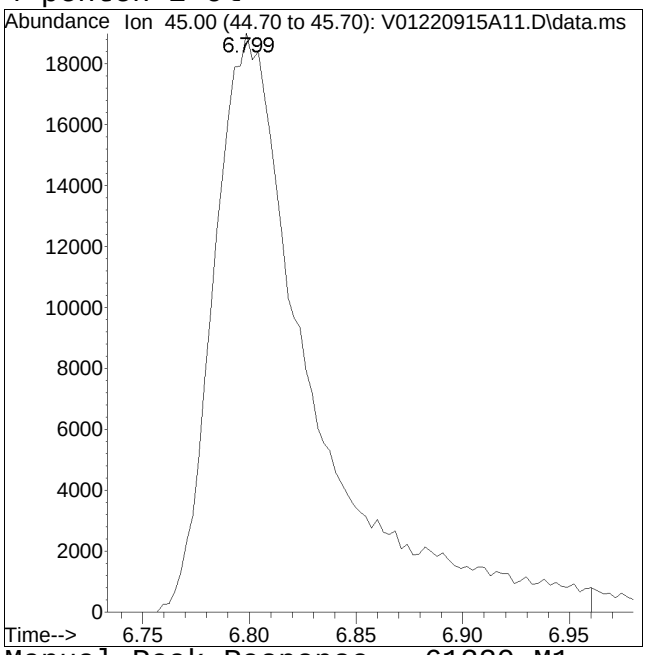
Original Peak Response = 71814 Manual Peak Response = 81220 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A11.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:30 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/16/2022 1:47 pm

Compound #52: 4-penten-2-ol



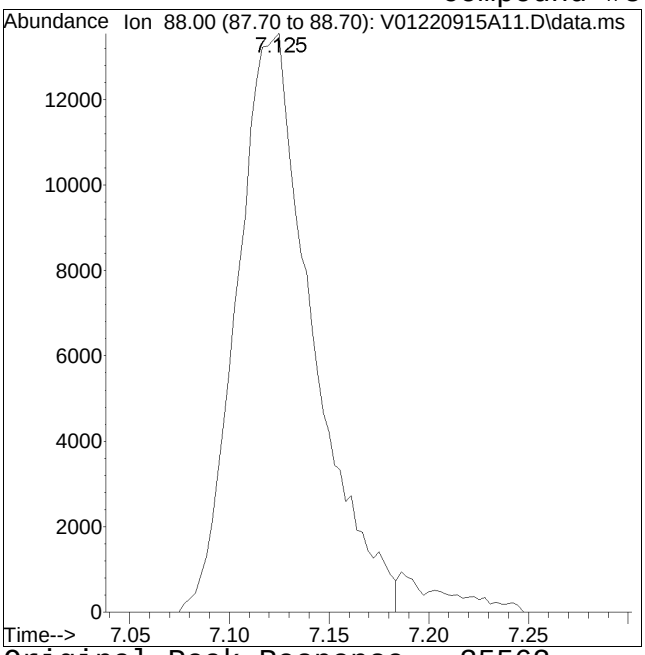


Original Peak Response = 55180 Manual Peak Response = 61230 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

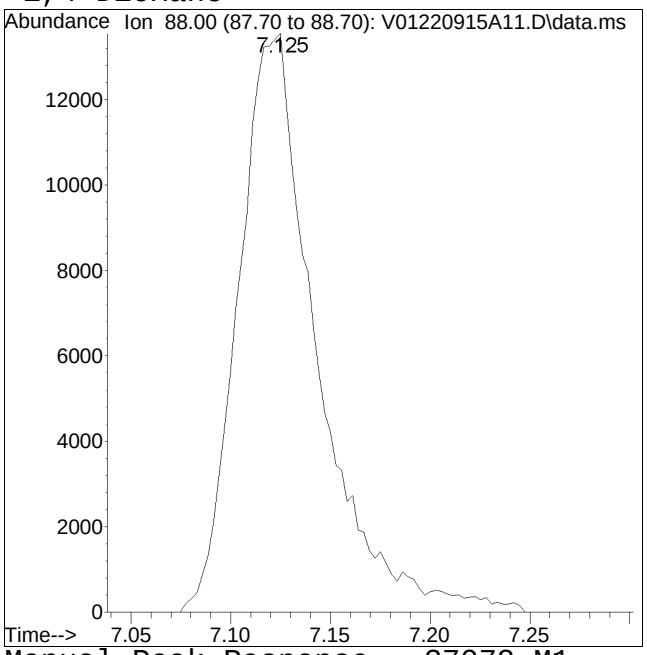
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A11.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:30 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/16/2022 1:47 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 35562



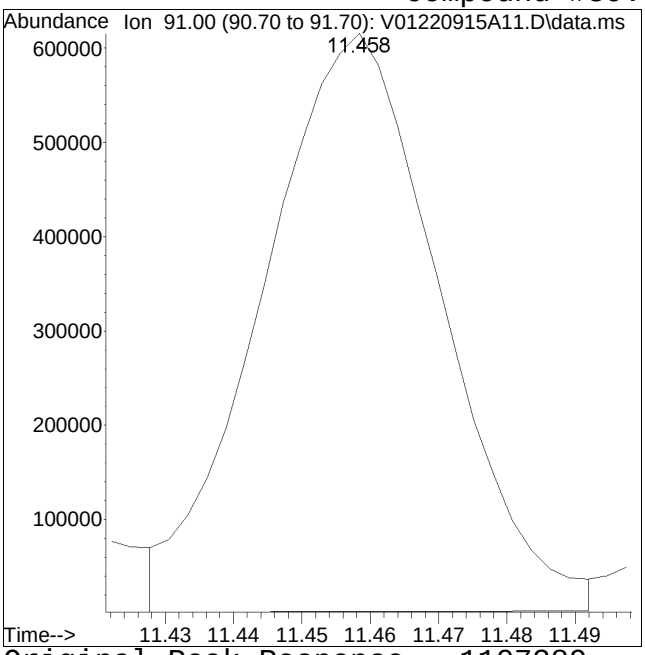
Manual Peak Response = 37072 M1

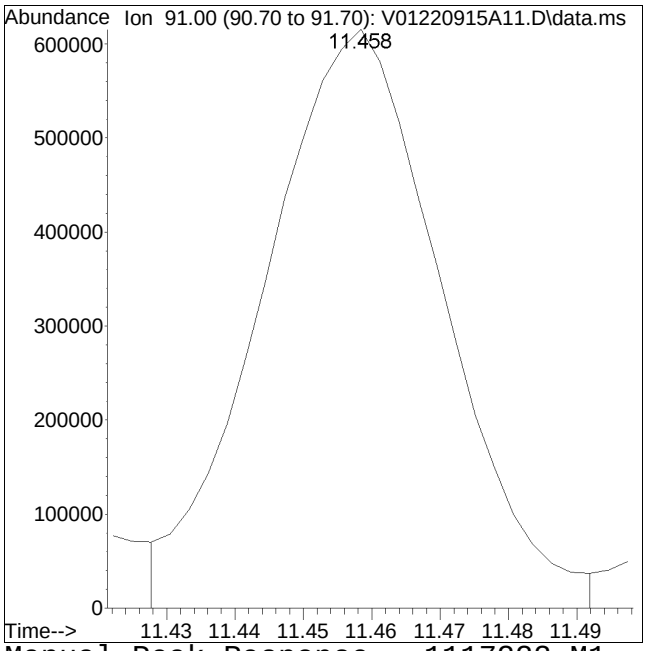
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A11.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:30 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/16/2022 1:47 pm

Compound #89: 2-Chlorotoluene



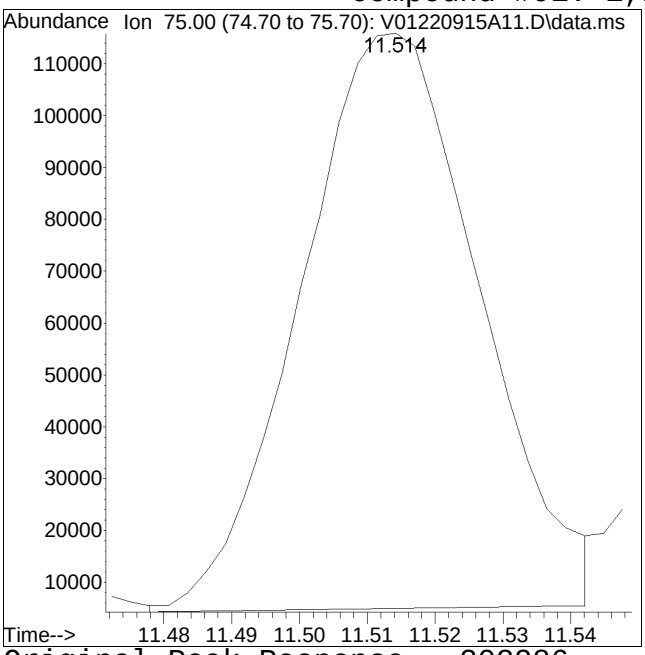


Original Peak Response = 1107389 Manual Peak Response = 1117222 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

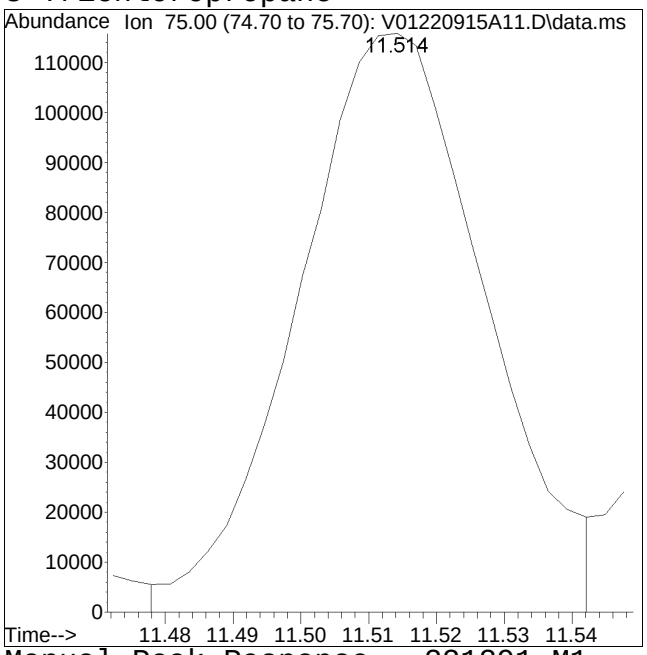
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A11.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:30 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/16/2022 1:47 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 202286



Manual Peak Response = 221291 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A12.D
Acq On : 15 Sep 2022 3:54 pm
Operator : VOA101:MKS
Sample : I8260STD80PPB
Misc : WG1688474
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 16 14:01:46 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	506623	10.000	ug/L	0.00
Standard Area 1 = 492854			Recovery = 102.79%			
59) Chlorobenzene-d5	9.657	117	404703	10.000	ug/L	0.00
Standard Area 1 = 380882			Recovery = 106.25%			
79) 1,4-Dichlorobenzene-d4	12.337	152	214784	10.000	ug/L	0.00
Standard Area 1 = 198713			Recovery = 108.09%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.310	113	138072	10.197	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%			
43) 1,2-Dichloroethane-d4	5.837	65	149594	10.168	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.68%			
60) Toluene-d8	7.808	98	514488	9.837	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.37%			
83) 4-Bromofluorobenzene	11.135	95	190727	9.927	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.27%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.710	85	1073090	89.162	ug/L	100
3) Chloromethane	1.902	50	1220528	88.873	ug/L	100
4) Vinyl chloride	1.980	62	1215166	90.029	ug/L	99
5) Bromomethane	2.298	94	660021	111.281	ug/L	99
6) Chloroethane	2.404	64	746123	90.144	ug/L	96
7) Trichlorofluoromethane	2.560	101	1538608	89.958	ug/L	98
8) Ethyl ether	2.861	74	391127	88.243	ug/L	85
10) 1,1-Dichloroethene	3.056	96	921744	90.819	ug/L	94
11) Carbon disulfide	3.093	76	2312574	94.171	ug/L	99
12) Freon-113	3.095	101	1024323	88.773	ug/L	92
13) Iodomethane	3.196	142	1180119	116.941	ug/L	98
14) Acrolein	3.374	56	114425	83.028	ug/L	98
15) Methylene chloride	3.611	84	940396	89.258	ug/L	91
16) Isopropyl alcohol	3.525	45	177678	370.079	ug/L	95
17) Acetone	3.648	43	219454	90.901	ug/L	95
18) trans-1,2-Dichloroethene	3.768	96	996780	91.680	ug/L	96
19) Methyl acetate	3.765	43	484120	88.871	ug/L	93
20) Methyl tert-butyl ether	3.860	73	2005333	89.593	ug/L	95
21) tert-Butyl alcohol	3.940	59	287079	419.108	ug/L	95
22) Diisopropyl ether	4.216	45	3543239	89.080	ug/L	96
23) 1,1-Dichloroethane	4.348	63	1926187	90.631	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A12.D
Acq On : 15 Sep 2022 3:54 pm
Operator : VOA101:MKS
Sample : I8260STD80PPB
Misc : WG1688474
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 16 14:01:46 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.398	117	788945	90.340	ug/L		99
25) Acrylonitrile	4.387	53	229292	90.679	ug/L		96
26) Ethyl tert-butyl ether	4.565	59	2926521	90.567	ug/L		89
27) Vinyl acetate	4.576	43	1580937	72.864	ug/L		97
28) cis-1,2-Dichloroethene	4.866	96	1074713	92.418	ug/L		95
29) 2,2-Dichloropropane	4.969	77	1451487	87.736	ug/L		94
30) Bromochloromethane	5.061	128	459612	82.780	ug/L		100
31) Cyclohexane	5.070	56	2079096	89.629	ug/L		95
32) Chloroform	5.131	83	1709355	92.617	ug/L		98
33) Ethyl acetate	5.232	43	718130	88.459	ug/L		96
34) Carbon tetrachloride	5.271	117	1476667	91.583	ug/L		98
35) Tetrahydrofuran	5.279	42	194562	82.588	ug/L		98
37) 1,1,1-Trichloroethane	5.335	97	1567007	90.778	ug/L		98
38) 2-Butanol	5.282	45	235207M1	387.742	ug/L		
39) 2-Butanone	5.416	43	292198	98.478	ug/L	#	48
40) 1,1-Dichloropropene	5.457	75	1375141	90.673	ug/L		97
41) Benzene	5.700	78	3889456	90.326	ug/L		96
42) tert-Amyl methyl ether	5.803	73	2189949	90.346	ug/L		97
44) 1,2-Dichloroethane	5.901	62	1255148	90.640	ug/L		99
46) 2-Methyl-2-butanol	5.998	59	207495	363.783	ug/L		93
47) Methyl cyclohexane	6.291	83	1734236	90.210	ug/L		89
48) Trichloroethene	6.297	95	1113249	97.474	ug/L		95
50) Dibromomethane	6.737	93	531222	93.091	ug/L		98
51) 1,2-Dichloropropane	6.841	63	1081238	91.407	ug/L		98
52) 4-penten-2-ol	6.790	45	168854	400.412	ug/L	#	1
54) Bromodichloromethane	6.913	83	1312512	93.722	ug/L		99
57) 1,4-Dioxane	7.119	88	53049M1	887.912	ug/L		
58) cis-1,3-Dichloropropene	7.599	75	1563600	92.982	ug/L		90
61) Toluene	7.867	92	2557392	87.979	ug/L		97
62) 4-Methyl-2-pentanone	8.296	58	260012	88.278	ug/L		98
63) Tetrachloroethene	8.319	166	1145089	89.321	ug/L		99
65) trans-1,3-Dichloropropene	8.346	75	1338304	92.048	ug/L		97
66) 4-Methyl-2-pentanol	8.413	45	592860	415.659	ug/L		96
67) Ethyl methacrylate	8.531	69	978267	92.949	ug/L		95
68) 1,1,2-Trichloroethane	8.536	83	601924	86.995	ug/L		97
69) Chlorodibromomethane	8.751	129	956993	93.730	ug/L		98
70) 1,3-Dichloropropane	8.860	76	1255591	87.922	ug/L		99
71) 1,2-Dibromoethane	9.027	107	734117	89.841	ug/L		99
72) 2-Hexanone	9.303	43	459162	92.745	ug/L		98
73) Chlorobenzene	9.677	112	2900061	90.470	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A12.D
Acq On : 15 Sep 2022 3:54 pm
Operator : VOA101:MKS
Sample : I8260STD80PPB
Misc : WG1688474
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 16 14:01:46 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Ethylbenzene	9.716	91	4930180	90.444	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.760	131	1025992	91.609	ug/L	99
76) p/m Xylene	9.903	106	3940459	181.852	ug/L	96
77) o Xylene	10.441	106	3731779	182.851	ug/L	96
78) Styrene	10.505	104	6151220	187.341	ug/L	97
80) Bromoform	10.530	173	547485	93.206	ug/L	100
82) Isopropylbenzene	10.814	105	4949425	89.939	ug/L	100
84) Bromobenzene	11.249	156	1145594	90.241	ug/L	99
85) n-Propylbenzene	11.291	91	5662352	91.129	ug/L	98
86) 1,4-Dichlorobutane	11.305	55	1330102	88.940	ug/L	98
87) 1,1,2,2-Tetrachloroethane	11.375	83	758988	83.996	ug/L	99
88) 4-Ethyltoluene	11.414	105	4724157	91.408	ug/L	100
89) 2-Chlorotoluene	11.459	91	3260676M1	91.412	ug/L	
90) 1,3,5-Trimethylbenzene	11.512	105	3954093	91.187	ug/L	100
91) 1,2,3-Trichloropropane	11.512	75	653259M1	88.543	ug/L	
92) trans-1,4-Dichloro-2-b...	11.565	53	256275	93.645	ug/L	82
93) 4-Chlorotoluene	11.640	91	3364035	92.443	ug/L	99
94) tert-Butylbenzene	11.849	119	3354624	90.264	ug/L	98
97) 1,2,4-Trimethylbenzene	11.927	105	3848555	92.120	ug/L	100
98) sec-Butylbenzene	12.036	105	4684481	90.462	ug/L	99
99) p-Isopropyltoluene	12.189	119	4045459	91.504	ug/L	98
100) 1,3-Dichlorobenzene	12.259	146	2129558	92.305	ug/L	99
101) 1,4-Dichlorobenzene	12.351	146	2149102	92.331	ug/L	98
102) p-Diethylbenzene	12.560	119	2288988	92.828	ug/L	99
103) n-Butylbenzene	12.619	91	3152584	92.754	ug/L	99
104) 1,2-Dichlorobenzene	12.772	146	1888825	92.113	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.352	119	3081452	94.104	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.550	155	115791	93.626	ug/L	98
107) 1,3,5-Trichlorobenzene	13.581	180	1097390	92.891	ug/L	99
108) Hexachlorobutadiene	14.152	225	381423	92.192	ug/L	99
109) 1,2,4-Trichlorobenzene	14.178	180	879067	95.081	ug/L	99
110) Naphthalene	14.470	128	1757498	93.979	ug/L	100
111) 1,2,3-Trichlorobenzene	14.638	180	606467	94.293	ug/L	98

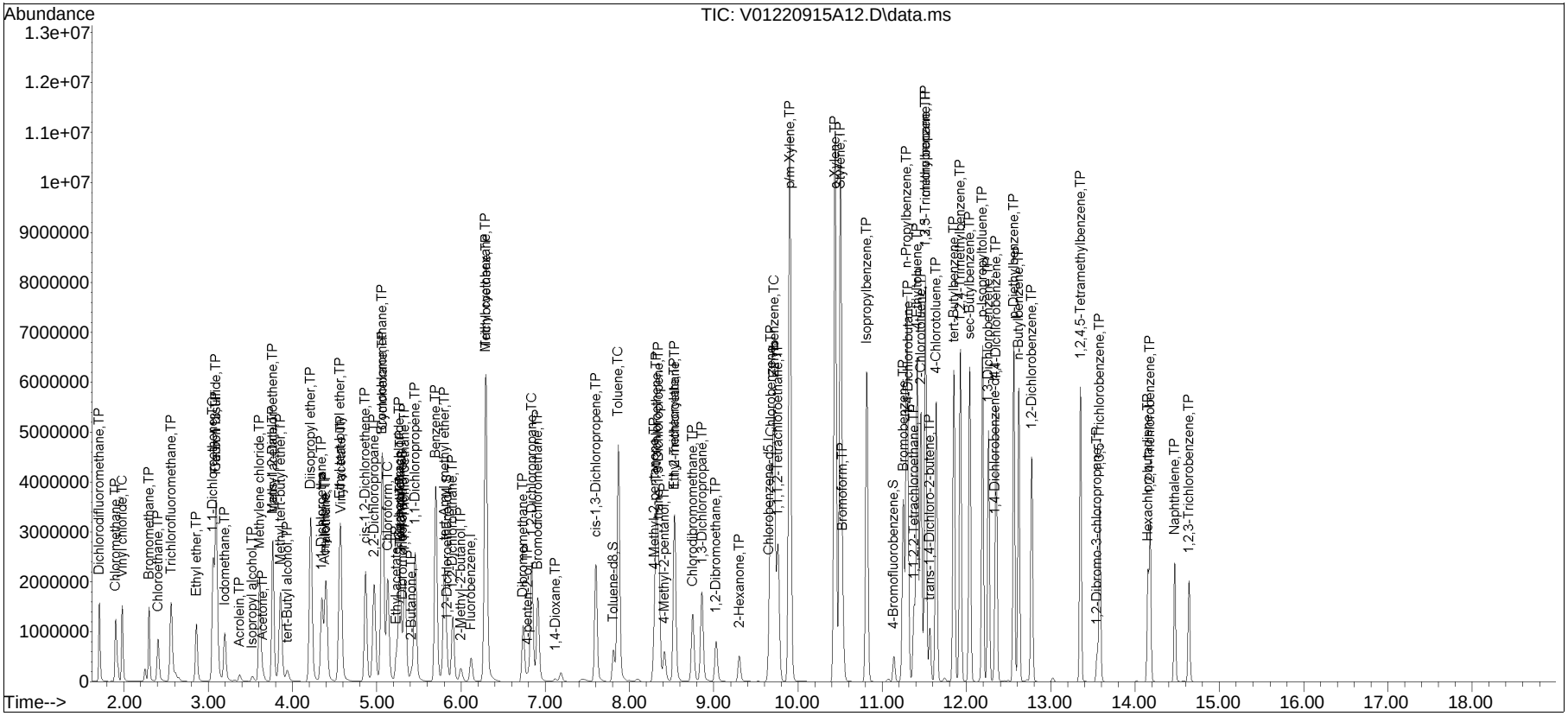
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A12.D
Acq On : 15 Sep 2022 3:54 pm
Operator : VOA101:MKS
Sample : I8260STD80PPB
Misc : WG1688474
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 16 14:01:46 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

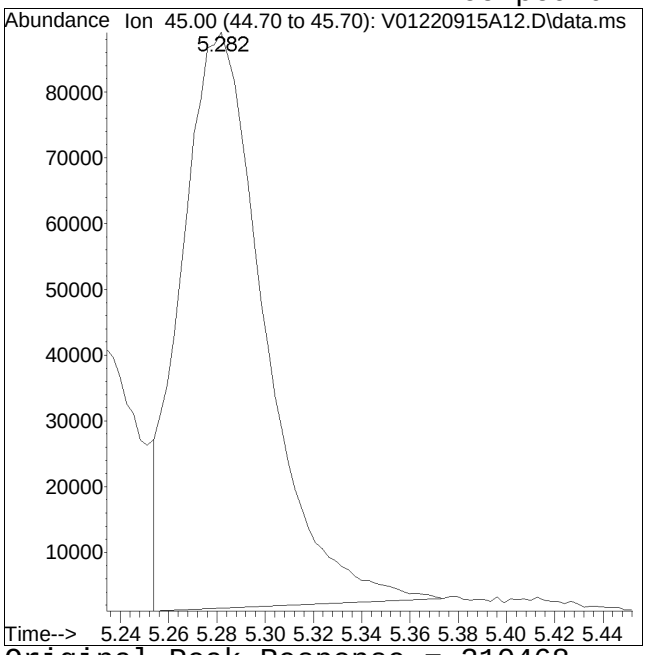
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE915A10.D•

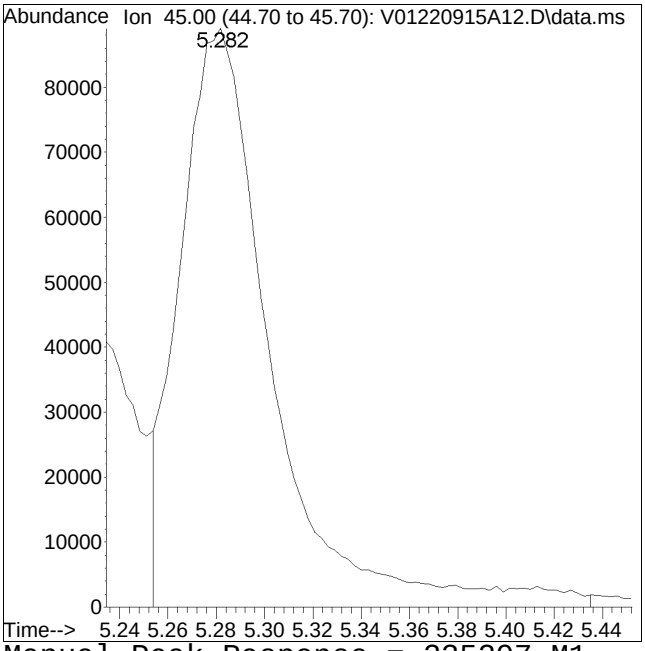


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A12.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:54 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 9/16/2022 1:48 pm

Compound #38: 2-Butanol



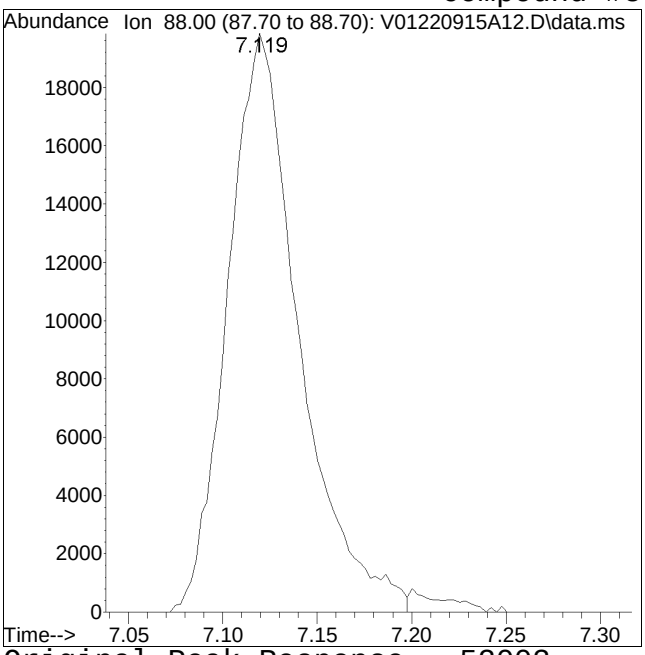


Original Peak Response = 210468 Manual Peak Response = 235207 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

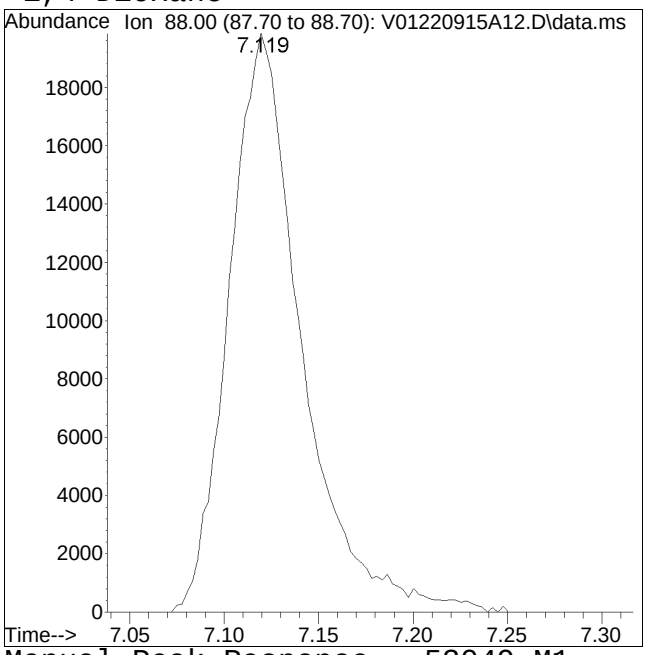
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A12.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:54 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 9/16/2022 1:48 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 52003



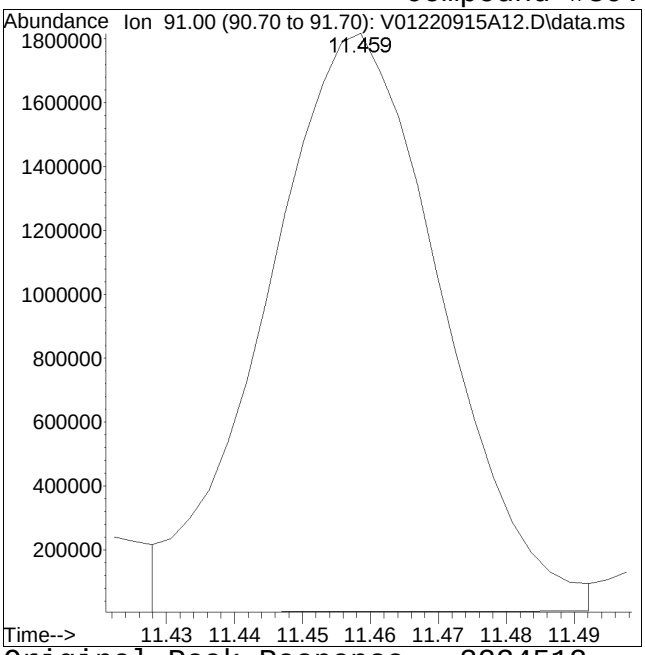
Manual Peak Response = 53049 M1

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

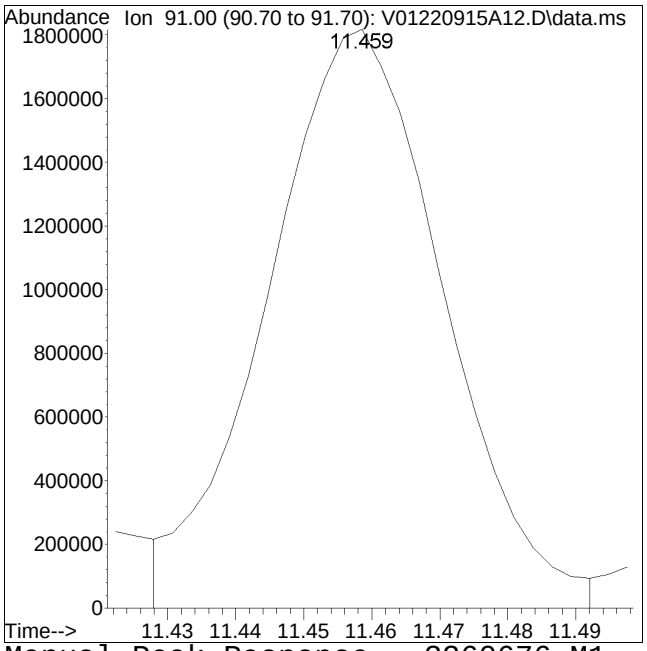
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A12.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:54 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 9/16/2022 1:48 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 3234512



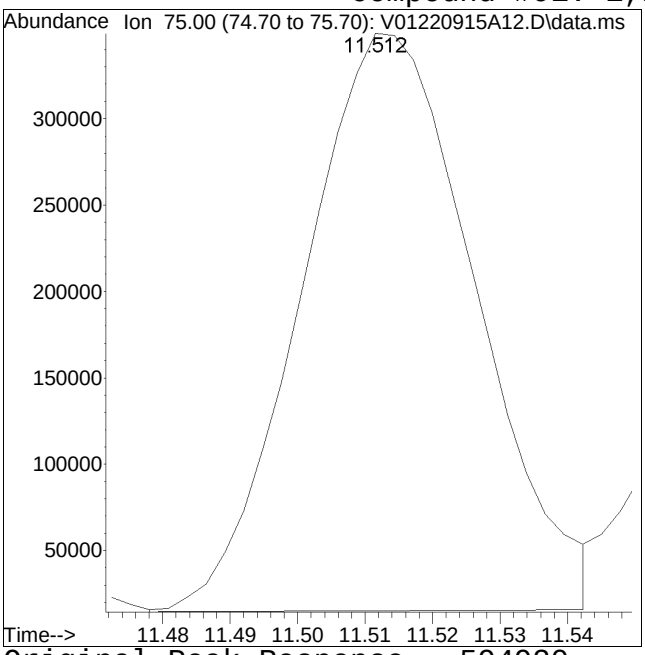
Manual Peak Response = 3260676 M1

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

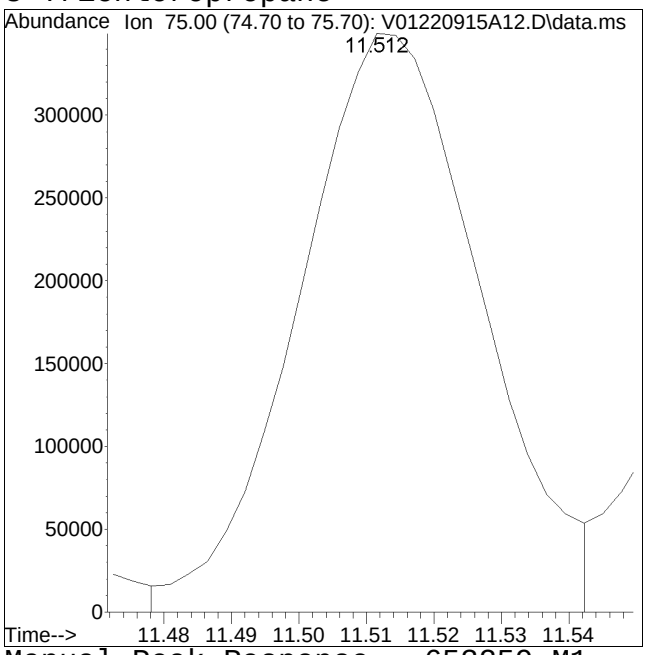
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A12.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 3:54 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 9/16/2022 1:48 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 594920



Manual Peak Response = 653259 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A13.D
Acq On : 15 Sep 2022 4:18 pm
Operator : VOA101:MKS
Sample : I8260STD120PPB
Misc : WG1688474
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 16 14:06:29 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	506066	10.000	ug/L	0.00
Standard Area 1 = 492854			Recovery = 102.68%			
59) Chlorobenzene-d5	9.657	117	409624	10.000	ug/L	0.00
Standard Area 1 = 380882			Recovery = 107.55%			
79) 1,4-Dichlorobenzene-d4	12.340	152	217669	10.000	ug/L	0.00
Standard Area 1 = 198713			Recovery = 109.54%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.310	113	137958	10.200	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.00%			
43) 1,2-Dichloroethane-d4	5.837	65	151106	10.282	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.82%			
60) Toluene-d8	7.811	98	513428	9.698	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.98%			
83) 4-Bromofluorobenzene	11.138	95	192183	9.870	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.709	85	1606015	133.589	ug/L	99
3) Chloromethane	1.902	50	1859021	135.514	ug/L	100
4) Vinyl chloride	1.980	62	1849546	137.179	ug/L	99
5) Bromomethane	2.298	94	1100808	185.804	ug/L	99
6) Chloroethane	2.401	64	1092488	132.135	ug/L	96
7) Trichlorofluoromethane	2.557	101	2322193	135.921	ug/L	98
8) Ethyl ether	2.861	74	610832	137.964	ug/L	86
10) 1,1-Dichloroethene	3.059	96	1405511	138.637	ug/L	94
11) Carbon disulfide	3.090	76	3535270	144.120	ug/L	99
12) Freon-113	3.095	101	1536954	133.347	ug/L	94
13) Iodomethane	3.199	142	1752230	173.824	ug/L	99
14) Acrolein	3.371	56	189489	137.646	ug/L	96
15) Methylene chloride	3.611	84	1458249	138.562	ug/L	91
16) Isopropyl alcohol	3.525	45	275807	575.100	ug/L	94
17) Acetone	3.645	43	305805	126.808	ug/L	95
18) trans-1,2-Dichloroethene	3.767	96	1519231	139.887	ug/L	96
19) Methyl acetate	3.765	43	750465	137.916	ug/L	93
20) Methyl tert-butyl ether	3.857	73	3134428	140.192	ug/L	95
21) tert-Butyl alcohol	3.940	59	449842	657.449	ug/L	97
22) Diisopropyl ether	4.216	45	5488345	138.134	ug/L	96
23) 1,1-Dichloroethane	4.347	63	2942582	138.607	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A13.D
Acq On : 15 Sep 2022 4:18 pm
Operator : VOA101:MKS
Sample : I8260STD120PPB
Misc : WG1688474
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 16 14:06:29 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.398	117	1205559	138.198	ug/L		99
25) Acrylonitrile	4.387	53	359793	142.445	ug/L		95
26) Ethyl tert-butyl ether	4.562	59	4575588	141.757	ug/L		97
27) Vinyl acetate	4.576	43	3064974	141.418	ug/L		98
28) cis-1,2-Dichloroethene	4.866	96	1663421	143.200	ug/L		95
29) 2,2-Dichloropropane	4.967	77	2189521	132.492	ug/L		95
30) Bromochloromethane	5.061	128	706473	127.382	ug/L		99
31) Cyclohexane	5.070	56	3133844	135.247	ug/L		96
32) Chloroform	5.131	83	2641938	143.304	ug/L		98
33) Ethyl acetate	5.231	43	1128853	139.205	ug/L		96
34) Carbon tetrachloride	5.273	117	2250799	139.748	ug/L		98
35) Tetrahydrofuran	5.279	42	301676	128.196	ug/L		99
37) 1,1,1-Trichloroethane	5.335	97	2394509	138.869	ug/L		99
38) 2-Butanol	5.279	45	357372M1	589.782	ug/L		
39) 2-Butanone	5.413	43	453926	153.153	ug/L	#	48
40) 1,1-Dichloropropene	5.457	75	2086412	137.724	ug/L		97
41) Benzene	5.700	78	5955283	138.454	ug/L		96
42) tert-Amyl methyl ether	5.806	73	3425582	141.478	ug/L		97
44) 1,2-Dichloroethane	5.904	62	1953432	141.222	ug/L		100
46) 2-Methyl-2-butanol	5.998	59	328402	576.392	ug/L		94
47) Methyl cyclohexane	6.291	83	2652271	138.115	ug/L		89
48) Trichloroethene	6.297	95	1648875	144.531	ug/L		95
50) Dibromomethane	6.737	93	834601	146.416	ug/L		97
51) 1,2-Dichloropropane	6.841	63	1673068	141.595	ug/L		98
52) 4-penten-2-ol	6.790	45	281757	668.879	ug/L	#	1
54) Bromodichloromethane	6.913	83	2062032	147.405	ug/L		99
57) 1,4-Dioxane	7.119	88	76994M1	1290.112	ug/L		
58) cis-1,3-Dichloropropene	7.599	75	2448275	145.750	ug/L		91
61) Toluene	7.870	92	3946677	134.142	ug/L		97
62) 4-Methyl-2-pentanone	8.296	58	411643	138.081	ug/L		97
63) Tetrachloroethene	8.321	166	1758920	135.554	ug/L		99
65) trans-1,3-Dichloropropene	8.349	75	2117370	143.882	ug/L		92
66) 4-Methyl-2-pentanol	8.416	45	948729	657.171	ug/L		96
67) Ethyl methacrylate	8.530	69	1551734	145.665	ug/L		95
68) 1,1,2-Trichloroethane	8.533	83	941595	134.452	ug/L		96
69) Chlorodibromomethane	8.751	129	1521668	147.246	ug/L		98
70) 1,3-Dichloropropane	8.860	76	1964360	135.901	ug/L		99
71) 1,2-Dibromoethane	9.030	107	1154140	139.547	ug/L		99
72) 2-Hexanone	9.300	43	709159	141.520	ug/L		98
73) Chlorobenzene	9.679	112	4519644	139.301	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A13.D
Acq On : 15 Sep 2022 4:18 pm
Operator : VOA101:MKS
Sample : I8260STD120PPB
Misc : WG1688474
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 16 14:06:29 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	Ethylbenzene	9.716	91	7645239	138.566	ug/L	98
75)	1,1,1,2-Tetrachloroethane	9.760	131	1623358	143.205	ug/L	99
76)	p/m Xylene	9.902	106	6136947	279.818	ug/L	96
77)	o Xylene	10.438	106	5827489	282.107	ug/L	97
78)	Styrene	10.508	104	9686152	291.457	ug/L	98
80)	Bromoform	10.535	173	877103	147.343	ug/L	100
82)	Isopropylbenzene	10.814	105	7707724	138.205	ug/L	100
84)	Bromobenzene	11.249	156	1811167	140.778	ug/L	99
85)	n-Propylbenzene	11.291	91	8834701	140.300	ug/L	98
86)	1,4-Dichlorobutane	11.305	55	2094216	138.179	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.378	83	1263796	138.008	ug/L	100
88)	4-Ethyltoluene	11.414	105	7413895	141.551	ug/L	100
89)	2-Chlorotoluene	11.459	91	5152985M1	142.547	ug/L	
90)	1,3,5-Trimethylbenzene	11.512	105	6255946	142.358	ug/L	100
91)	1,2,3-Trichloropropane	11.514	75	1029647M1	137.710	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.564	53	409013	147.476	ug/L	83
93)	4-Chlorotoluene	11.640	91	5304243	143.828	ug/L	99
94)	tert-Butylbenzene	11.849	119	5270082	139.925	ug/L	98
97)	1,2,4-Trimethylbenzene	11.927	105	6103651	144.162	ug/L	100
98)	sec-Butylbenzene	12.039	105	7355943	140.167	ug/L	99
99)	p-Isopropyltoluene	12.189	119	6404752	142.948	ug/L	98
100)	1,3-Dichlorobenzene	12.259	146	3387381	144.878	ug/L	100
101)	1,4-Dichlorobenzene	12.351	146	3409775	144.551	ug/L	99
102)	p-Diethylbenzene	12.563	119	3633659	145.407	ug/L	99
103)	n-Butylbenzene	12.619	91	4984003	144.694	ug/L	99
104)	1,2-Dichlorobenzene	12.775	146	3018889	145.271	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.352	119	4964406	149.599	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.550	155	189075	150.856	ug/L	98
107)	1,3,5-Trichlorobenzene	13.581	180	1764143	147.350	ug/L	99
108)	Hexachlorobutadiene	14.152	225	606608	144.677	ug/L	99
109)	1,2,4-Trichlorobenzene	14.177	180	1417266	151.261	ug/L	99
110)	Naphthalene	14.470	128	2850258	150.393	ug/L	100
111)	1,2,3-Trichlorobenzene	14.638	180	983356	150.864	ug/L	99

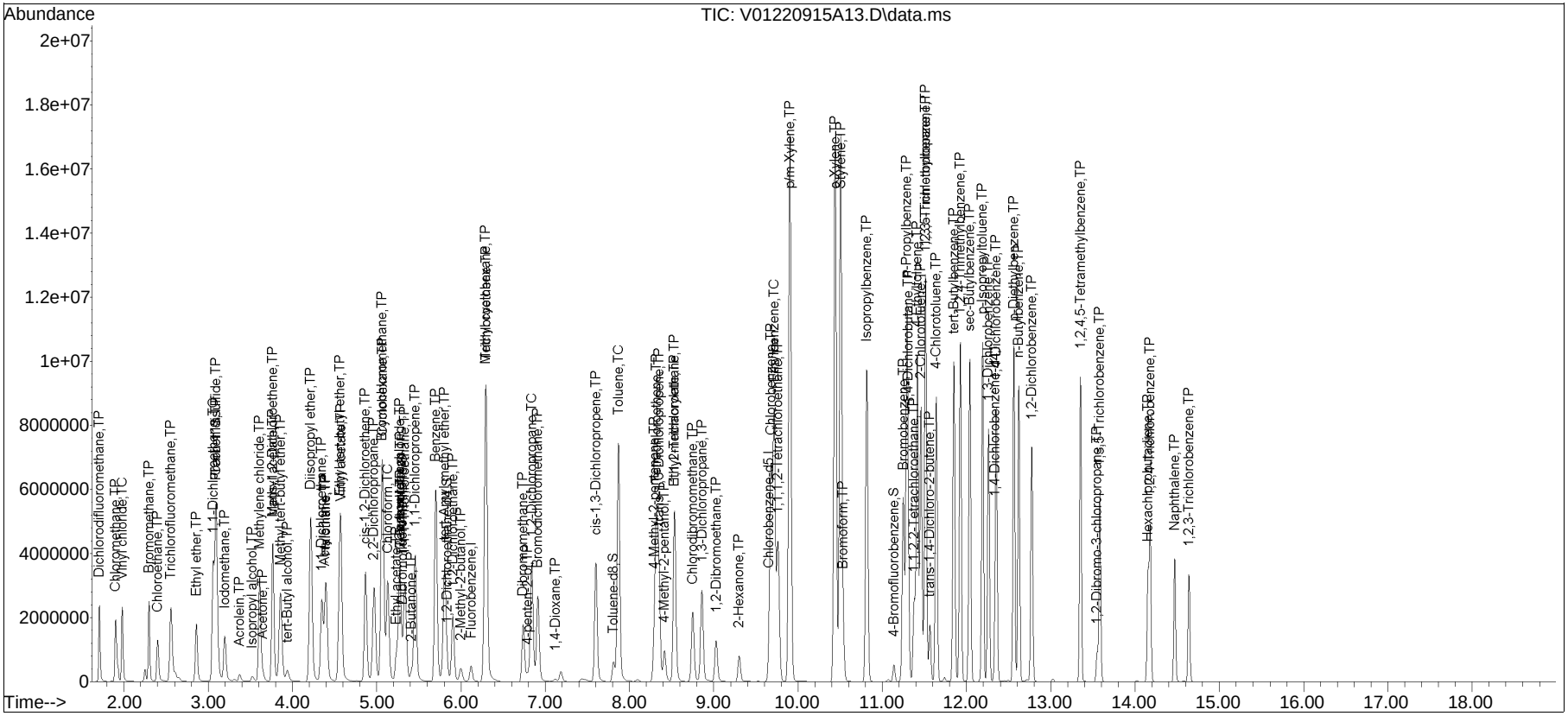
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A13.D
Acq On : 15 Sep 2022 4:18 pm
Operator : VOA101:MKS
Sample : I8260STD120PPB
Misc : WG1688474
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 16 14:06:29 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

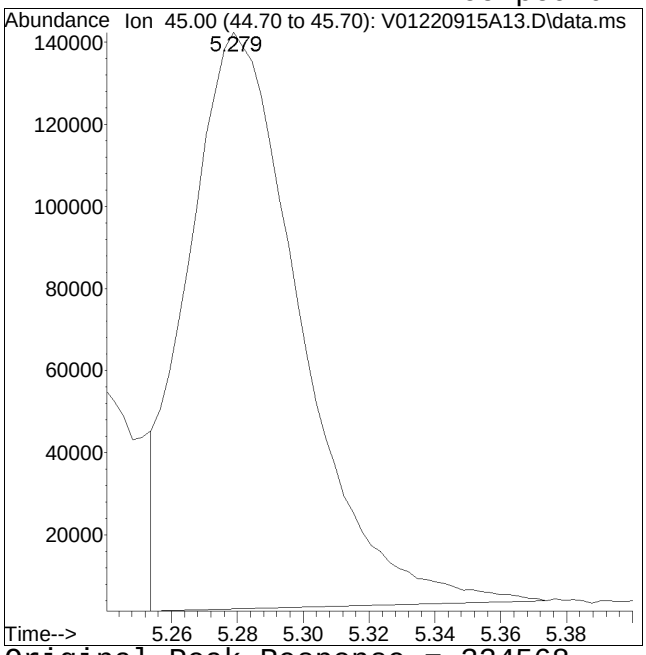
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE915A10.D•

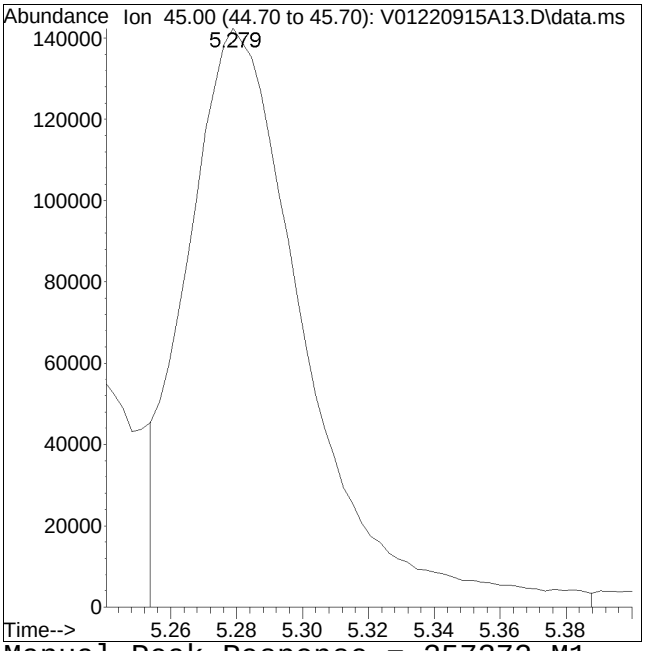


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A13.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 4:18 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 9/16/2022 1:48 pm

Compound #38: 2-Butanol



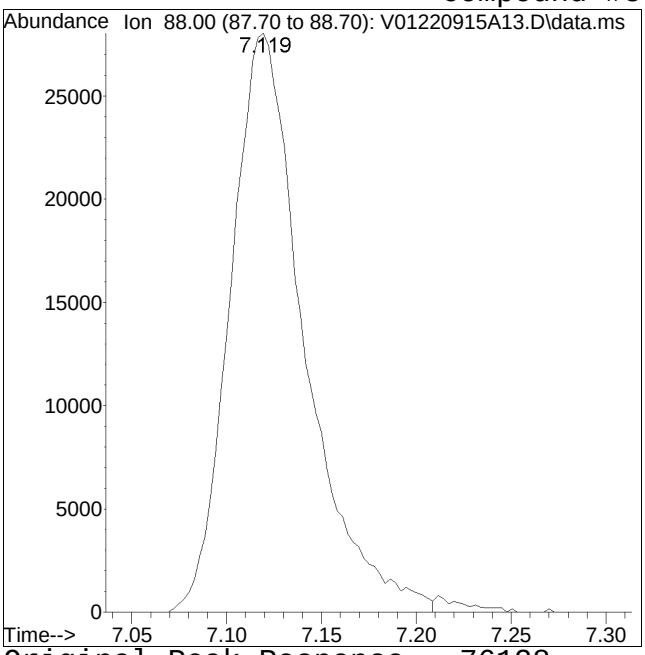


Original Peak Response = 334568 Manual Peak Response = 357372 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

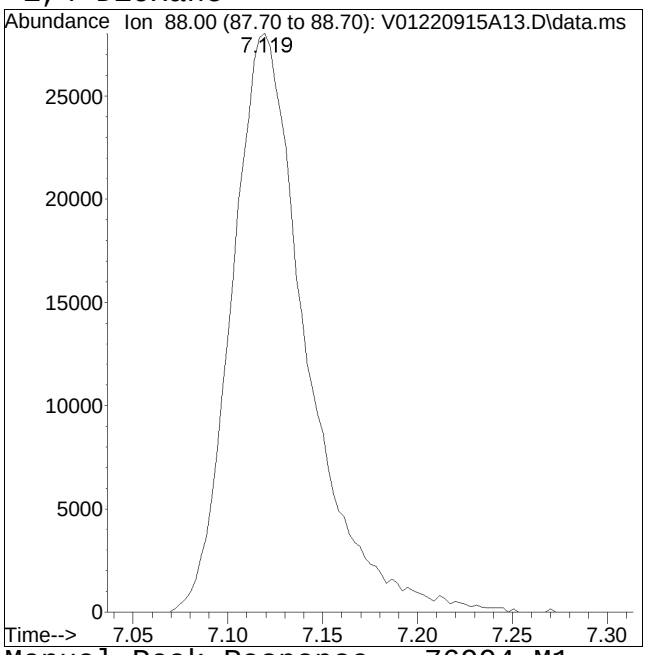
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A13.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 4:18 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 9/16/2022 1:48 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 76128



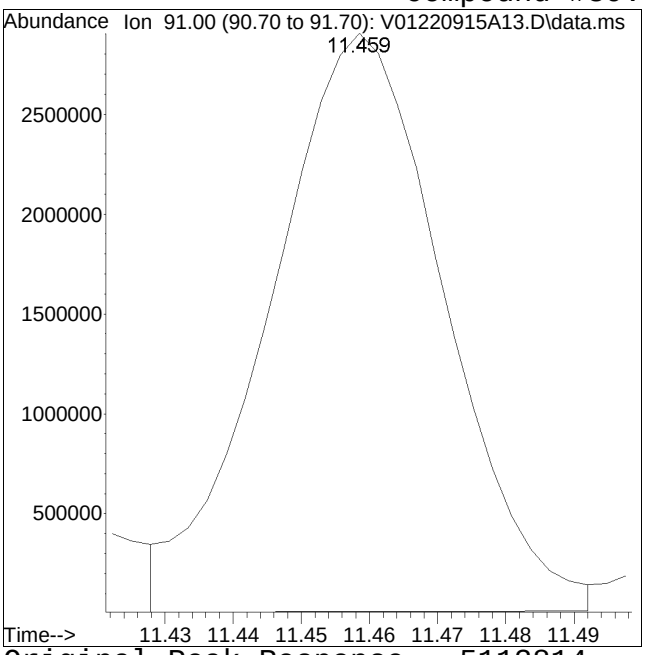
Manual Peak Response = 76994 M1

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

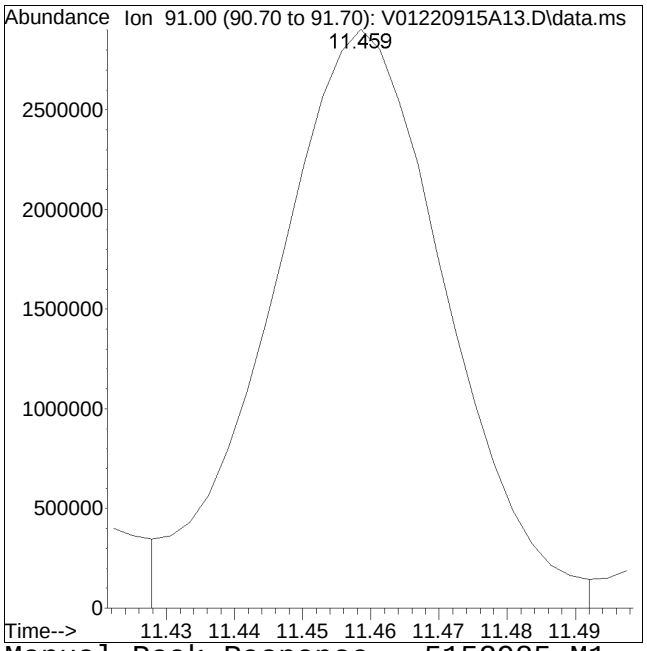
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A13.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 4:18 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 9/16/2022 1:48 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 5113814



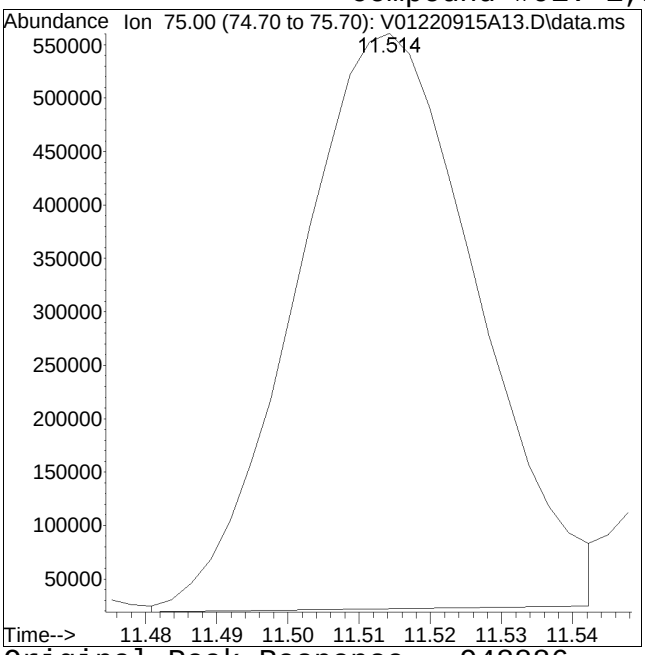
Manual Peak Response = 5152985 M1

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

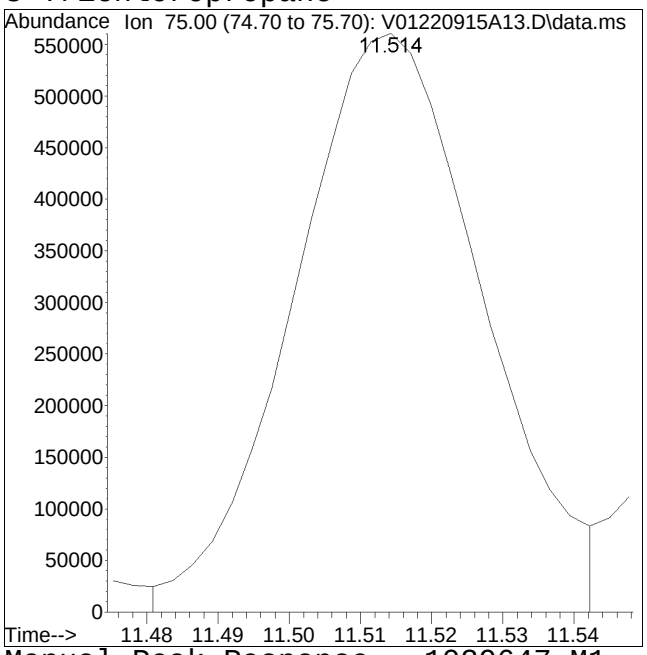
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A13.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 4:18 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 9/16/2022 1:48 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 948886



Manual Peak Response = 1029647 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A14.D
Acq On : 15 Sep 2022 4:42 pm
Operator : VOA101:MKS
Sample : I8260STD200PPB
Misc : WG1688474
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 16 14:08:07 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	511760	10.000	ug/L	0.00
Standard Area 1 = 492854			Recovery = 103.84%			
59) Chlorobenzene-d5	9.660	117	415459	10.000	ug/L	0.00
Standard Area 1 = 380882			Recovery = 109.08%			
79) 1,4-Dichlorobenzene-d4	12.337	152	221424	10.000	ug/L	0.00
Standard Area 1 = 198713			Recovery = 111.43%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.312	113	141223	10.325	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.25%			
43) 1,2-Dichloroethane-d4	5.837	65	152463	10.259	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.59%			
60) Toluene-d8	7.811	98	521250	9.708	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.08%			
83) 4-Bromofluorobenzene	11.138	95	195341	9.862	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.710	85	2827016	232.536	ug/L	100
3) Chloromethane	1.902	50	3283681	236.703	ug/L	100
4) Vinyl chloride	1.980	62	3212252	235.599	ug/L	99
5) Bromomethane	2.298	94	1932726	322.592	ug/L	100
6) Chloroethane	2.396	64	1318204M1	157.661	ug/L	
7) Trichlorofluoromethane	2.552	101	4079031	236.095	ug/L	99
8) Ethyl ether	2.858	74	1022634	228.404	ug/L	87
10) 1,1-Dichloroethene	3.059	96	2460618	240.010	ug/L	94
11) Carbon disulfide	3.090	76	6175061	248.933	ug/L	99
12) Freon-113	3.093	101	2694651	231.187	ug/L	93
13) Iodomethane	3.196	142	2880703	282.591	ug/L	98
14) Acrolein	3.369	56	306468	220.143	ug/L	96
15) Methylene chloride	3.609	84	2464118	231.534	ug/L	92
16) Isopropyl alcohol	3.525	45	463206	955.110	ug/L #	92
17) Acetone	3.645	43	562145	230.511	ug/L	95
18) trans-1,2-Dichloroethene	3.765	96	2604674	237.163	ug/L	96
19) Methyl acetate	3.765	43	1226836	222.952	ug/L	94
20) Methyl tert-butyl ether	3.857	73	5217405	230.760	ug/L	96
21) tert-Butyl alcohol	3.940	59	744941	1076.626	ug/L	96
22) Diisopropyl ether	4.216	45	9131369	227.267	ug/L	96
23) 1,1-Dichloroethane	4.350	63	4827347	224.857	ug/L	99

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A14.D
Acq On : 15 Sep 2022 4:42 pm
Operator : VOA101:MKS
Sample : I8260STD200PPB
Misc : WG1688474
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 16 14:08:07 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.398	117	2080779	235.873	ug/L		99
25) Acrylonitrile	4.387	53	599861	234.847	ug/L		95
26) Ethyl tert-butyl ether	4.565	59	7653473	234.475	ug/L		92
27) Vinyl acetate	4.576	43	4507200	205.649	ug/L		98
28) cis-1,2-Dichloroethene	4.869	96	2844223	242.128	ug/L		96
29) 2,2-Dichloropropane	4.969	77	3704701	221.685	ug/L		95
30) Bromochloromethane	5.059	128	1181222	210.613	ug/L		99
31) Cyclohexane	5.070	56	5477958	233.782	ug/L		96
32) Chloroform	5.131	83	4469168	239.719	ug/L		99
33) Ethyl acetate	5.232	43	1853959	226.077	ug/L		97
34) Carbon tetrachloride	5.271	117	3930049	241.295	ug/L		99
35) Tetrahydrofuran	5.279	42	502420	211.126	ug/L		96
37) 1,1,1-Trichloroethane	5.335	97	4117550	236.139	ug/L		98
38) 2-Butanol	5.282	45	623207M1	1017.054	ug/L		
39) 2-Butanone	5.416	43	760565	253.756	ug/L	#	49
40) 1,1-Dichloropropene	5.457	75	3584601	233.987	ug/L		97
41) Benzene	5.700	78	10104567	232.306	ug/L		97
42) tert-Amyl methyl ether	5.806	73	5737030	234.305	ug/L		97
44) 1,2-Dichloroethane	5.904	62	3271125	233.853	ug/L		99
46) 2-Methyl-2-butanol	6.001	59	553794	961.172	ug/L		94
47) Methyl cyclohexane	6.291	83	4684809	241.244	ug/L		90
48) Trichloroethene	6.297	95	2892840	250.749	ug/L		95
50) Dibromomethane	6.737	93	1402255	243.263	ug/L		97
51) 1,2-Dichloropropane	6.841	63	2829596	236.810	ug/L		98
52) 4-penten-2-ol	6.790	45	462101	1084.803	ug/L	#	1
54) Bromodichloromethane	6.910	83	3508271	247.999	ug/L		99
57) 1,4-Dioxane	7.119	88	125395	2077.742	ug/L		91
58) cis-1,3-Dichloropropene	7.602	75	4145918	244.068	ug/L		91
61) Toluene	7.870	92	6768255	226.812	ug/L		97
62) 4-Methyl-2-pentanone	8.296	58	683850	226.167	ug/L		97
63) Tetrachloroethene	8.321	166	3067650	233.093	ug/L		99
65) trans-1,3-Dichloropropene	8.349	75	3573878	239.446	ug/L		92
66) 4-Methyl-2-pentanol	8.416	45	1617404	1104.617	ug/L		96
67) Ethyl methacrylate	8.533	69	2603628	240.976	ug/L		95
68) 1,1,2-Trichloroethane	8.536	83	1591343	224.040	ug/L		97
69) Chlorodibromomethane	8.751	129	2602296	248.277	ug/L		99
70) 1,3-Dichloropropane	8.860	76	3295064	224.762	ug/L		99
71) 1,2-Dibromoethane	9.030	107	1942747	231.598	ug/L		99
72) 2-Hexanone	9.300	43	1199731	236.057	ug/L		98
73) Chlorobenzene	9.682	112	7728787	234.864	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A14.D
Acq On : 15 Sep 2022 4:42 pm
Operator : VOA101:MKS
Sample : I8260STD200PPB
Misc : WG1688474
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 16 14:08:07 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) Ethylbenzene	9.718	91	13194293	235.781	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.763	131	2786544	242.363	ug/L		99
76) p/m Xylene	9.905	106	10568844	475.125	ug/L	#	1
77) o Xylene	10.446	106	9976538	476.179	ug/L	#	1
78) Styrene	10.508	104	16376136	485.838	ug/L		100
80) Bromoform	10.538	173	1493594	246.651	ug/L		100
82) Isopropylbenzene	10.817	105	13259127	233.714	ug/L		100
84) Bromobenzene	11.249	156	3097460	236.676	ug/L		99
85) n-Propylbenzene	11.291	91	15077648	235.380	ug/L		98
86) 1,4-Dichlorobutane	11.308	55	3521713	228.426	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.380	83	2067685	221.965	ug/L		99
88) 4-Ethyltoluene	11.420	105	12686535	238.113	ug/L		100
89) 2-Chlorotoluene	11.461	91	8789833M1	239.029	ug/L		
90) 1,3,5-Trimethylbenzene	11.514	105	10751491	240.508	ug/L		100
91) 1,2,3-Trichloropropane	11.517	75	1750406M1	230.137	ug/L		
92) trans-1,4-Dichloro-2-b...	11.567	53	678464	240.482	ug/L		84
93) 4-Chlorotoluene	11.643	91	9066562	241.677	ug/L		99
94) tert-Butylbenzene	11.852	119	9083902	237.094	ug/L		99
97) 1,2,4-Trimethylbenzene	11.927	105	10442561	242.461	ug/L		100
98) sec-Butylbenzene	12.039	105	12691704	237.739	ug/L		99
99) p-Isopropyltoluene	12.192	119	10992195	241.175	ug/L		99
100) 1,3-Dichlorobenzene	12.262	146	5785105	243.233	ug/L		100
101) 1,4-Dichlorobenzene	12.354	146	5810638	242.153	ug/L		98
102) p-Diethylbenzene	12.563	119	6269584	246.632	ug/L		98
103) n-Butylbenzene	12.621	91	8615203	245.873	ug/L		99
104) 1,2-Dichlorobenzene	12.775	146	5107909	241.628	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.352	119	8412697	249.211	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.550	155	314320	246.531	ug/L		99
107) 1,3,5-Trichlorobenzene	13.584	180	3001288	246.432	ug/L		99
108) Hexachlorobutadiene	14.152	225	1060411	248.621	ug/L		99
109) 1,2,4-Trichlorobenzene	14.178	180	2405733	252.403	ug/L		99
110) Naphthalene	14.470	128	4764019	247.109	ug/L		100
111) 1,2,3-Trichlorobenzene	14.638	180	1658378	250.110	ug/L		98

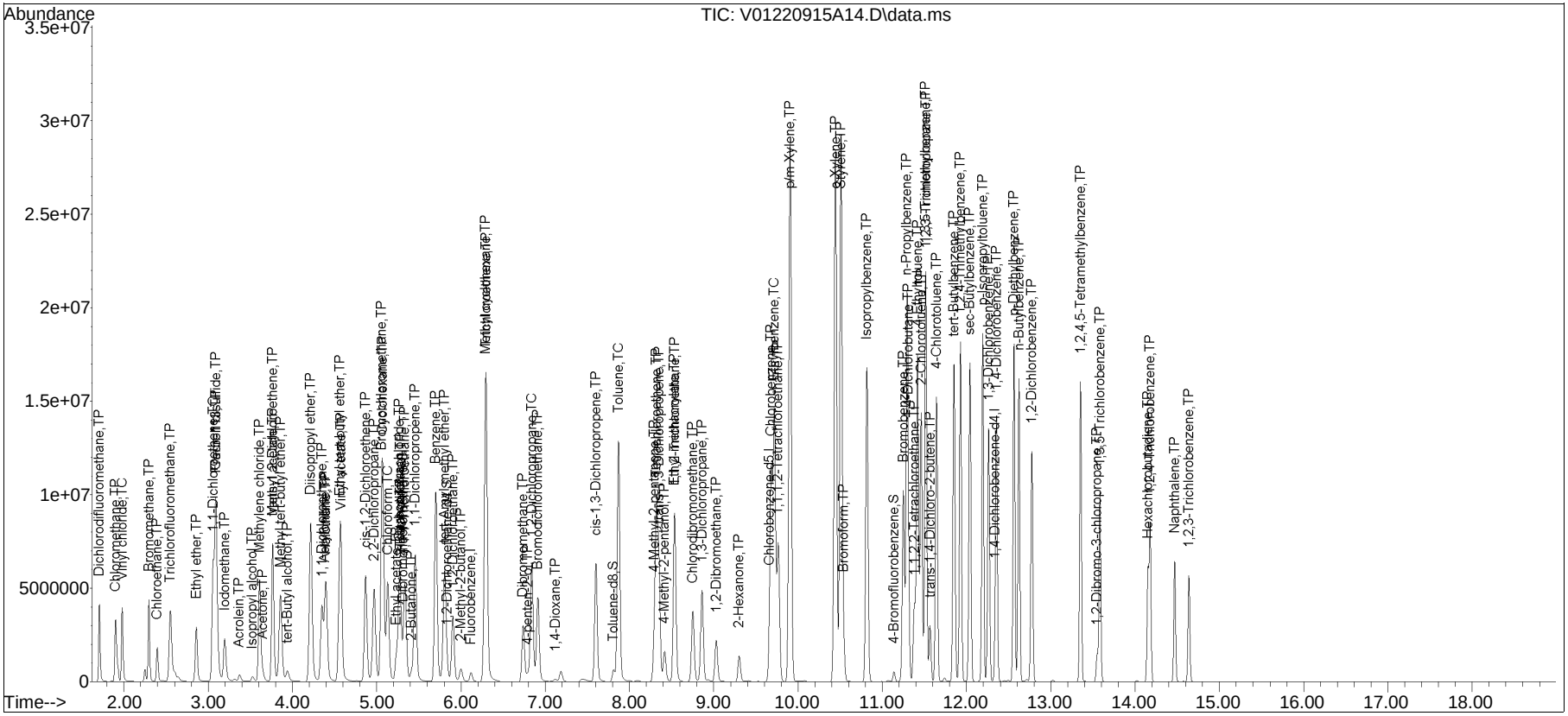
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A14.D
Acq On : 15 Sep 2022 4:42 pm
Operator : VOA101:MKS
Sample : I8260STD200PPB
Misc : WG1688474
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 16 14:08:07 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 13:46:43 2022
Response via : Initial Calibration

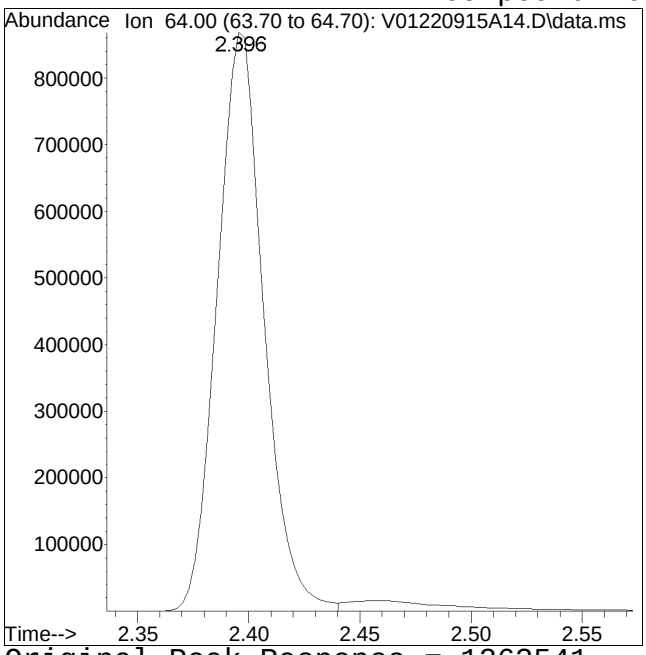
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE915A10.D•

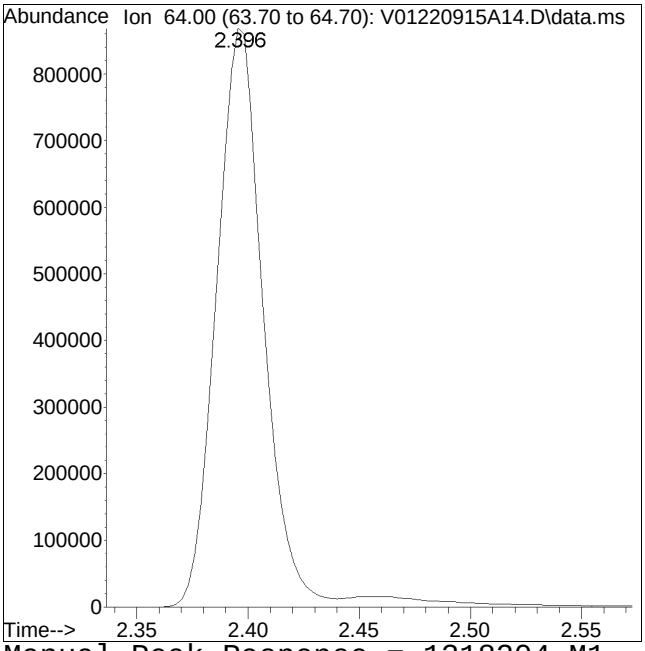


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A14.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 4:42 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 9/16/2022 1:48 pm

Compound #6: Chloroethane



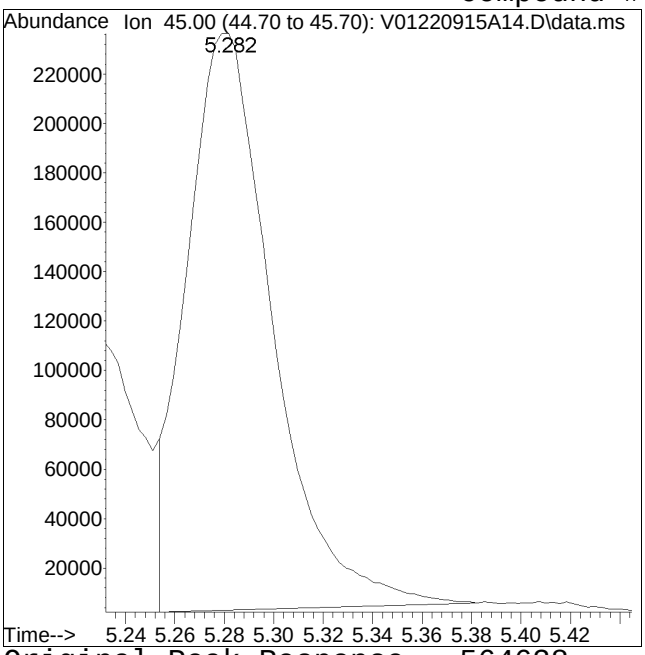


Original Peak Response = 1263541 Manual Peak Response = 1318204 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

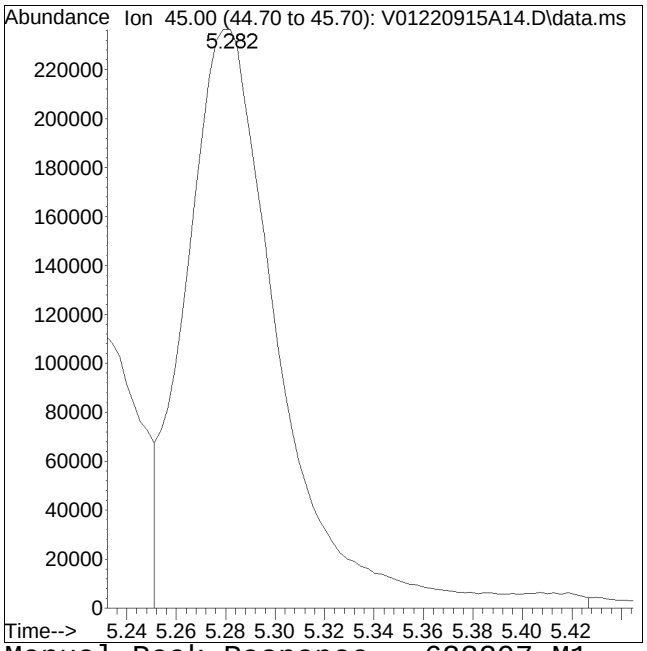
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A14.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 4:42 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 9/16/2022 1:48 pm

Compound #38: 2-Butanol



Original Peak Response = 564638



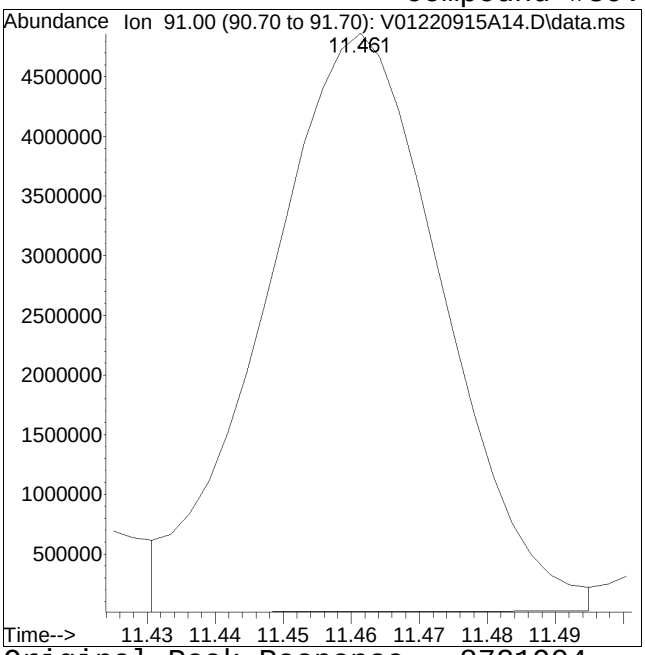
Manual Peak Response = 623207 M1

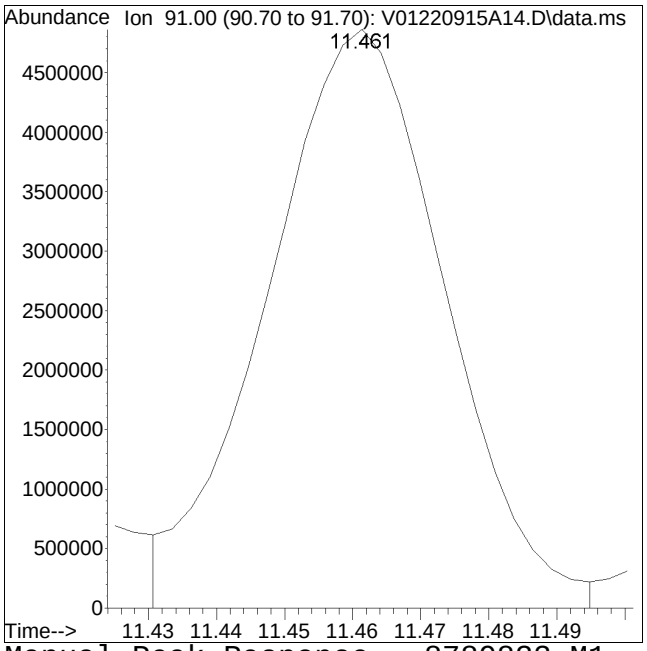
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A14.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 4:42 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 9/16/2022 1:48 pm

Compound #89: 2-Chlorotoluene



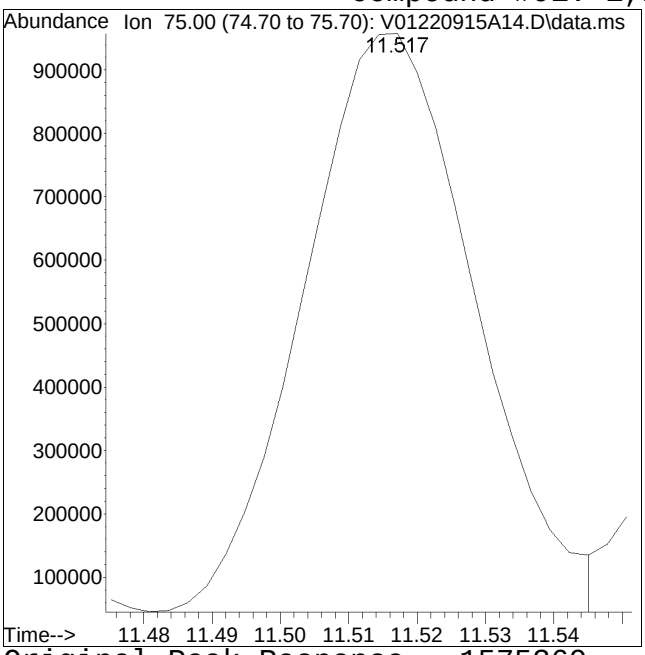


Original Peak Response = 8721904 Manual Peak Response = 8789833 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

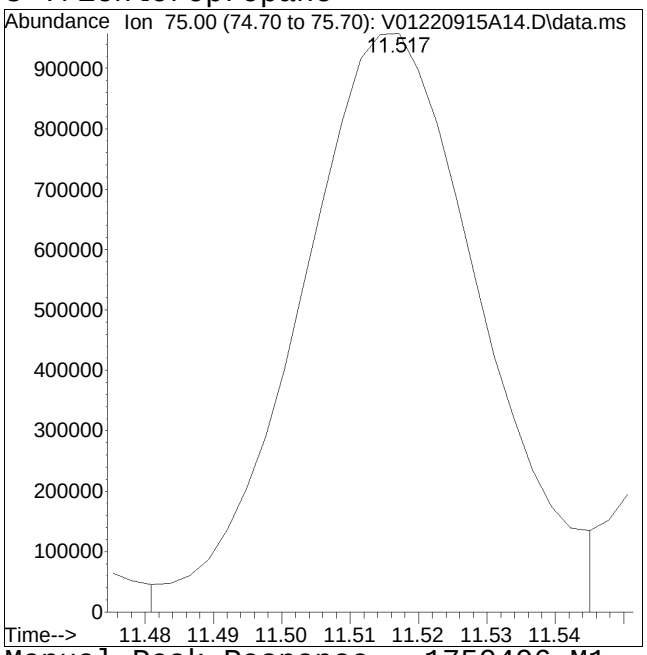
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A14.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 4:42 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 9/16/2022 1:48 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1575369



Manual Peak Response = 1750406 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
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	102	0.00
2	TP	Dichlorodifluoromethane	0.242	0.242	0.0	104	0.00
3	TP	Chloromethane	0.285	0.310	-8.8	117	0.00
4	TC	Vinyl chloride	0.265	0.272	-2.6	104	0.00
5	TP	Bromomethane	0.156	0.172	-10.3	151	0.00
6	TP	Chloroethane	0.158	0.163	-3.2	102	0.00
7	TP	Trichlorofluoromethane	0.345	0.352	-2.0	107	0.00
8	TP	Ethyl ether	0.089	0.107	-20.2#	126	0.00
10	TC	1,1-Dichloroethene	0.208	0.196	5.8	100	0.00
11	TP	Carbon disulfide	0.524	0.543	-3.6	115	0.00
12	TP	Freon-113	0.231	0.246	-6.5	110	0.00
13	TP	Iodomethane	* 10.000	5.234	47.7#	58	0.00
14	TP	Acrolein	0.027	0.023	14.8	87	0.00
15	TP	Methylene chloride	0.226	0.214	5.3	105	0.00
16	TP	Isopropyl alcohol	0.00836	0.00791#	5.4	85	0.00
17	TP	Acetone	0.054	0.040	25.9#	86	0.00
18	TP	trans-1,2-Dichloroethene	0.223	0.219	1.8	105	0.00
19	TP	Methyl acetate	0.111	0.108	2.7	103	0.00
20	TP	Methyl tert-butyl ether	0.456	0.506	-11.0	117	0.00
21	TP	tert-Butyl alcohol	0.013	0.015	-15.4	116	0.00
22	TP	Diisopropyl ether	0.800	0.825	-3.1	108	0.00
23	TP	1,1-Dichloroethane	0.430	0.439	-2.1	107	0.00
24	TP	Halothane	0.175	0.196	-12.0	116	0.00
25	TP	Acrylonitrile	0.053	0.058	-9.4	119	0.00
26	TP	Ethyl tert-butyl ether	0.659	0.688	-4.4	110	0.00
27	TP	Vinyl acetate	0.413	0.315	23.7#	75	0.00
28	TP	cis-1,2-Dichloroethene	0.244	0.241	1.2	108	0.00
29	TP	2,2-Dichloropropane	0.331	0.302	8.8	95	0.00
30	TP	Bromochloromethane	0.107	0.117	-9.3	110	0.00
31	TP	Cyclohexane	0.468	0.457	2.4	102	0.00
32	TC	Chloroform	0.381	0.410	-7.6	115	0.00
33	TP	Ethyl acetate	0.164	0.168	-2.4	107	0.00
34	TP	Carbon tetrachloride	0.329	0.324	1.5	104	0.00
35	TP	Tetrahydrofuran	0.048	0.050	-4.2	109	0.00
36	S	Dibromofluoromethane	0.269	0.273	-1.5	104	0.00
37	TP	1,1,1-Trichloroethane	0.353	0.367	-4.0	110	0.00
38	TP	2-Butanol	0.012	0.011	8.3	91	0.00
39	TP	2-Butanone	0.067	0.058	13.4	101	0.00
40	TP	1,1-Dichloropropene	0.304	0.311	-2.3	106	0.00

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
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)
41	TP	Benzene	0.882	0.880	0.2	106	0.00
42	TP	tert-Amyl methyl ether	0.495	0.508	-2.6	109	0.00
43	S	1,2-Dichloroethane-d4	0.295	0.288	2.4	102	0.00
44	TP	1,2-Dichloroethane	0.286	0.299	-4.5	112	0.00
46	TP	2-Methyl-2-butanol	0.01015	0.00970#	4.4	88	0.00
47	TP	Methyl cyclohexane	0.391	0.392	-0.3	106	0.00
48	TP	Trichloroethene	0.256	0.255	0.4	116	0.00
50	TP	Dibromomethane	0.118	0.125	-5.9	113	0.00
51	TC	1,2-Dichloropropane	0.244	0.251	-2.9	110	0.00
52	TP	4-penten-2-ol	0.00809	0.00702#	13.2	86	0.00
54	TP	Bromodichloromethane	0.293	0.310	-5.8	115	0.00
57	TP	1,4-Dioxane	0.00123	0.00142#	-15.4	123	0.00
58	TP	cis-1,3-Dichloropropene	0.347	0.364	-4.9	112	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
60	S	Toluene-d8	1.276	1.281	-0.4	103	0.00
61	TC	Toluene	0.732	0.757	-3.4	110	0.00
62	TP	4-Methyl-2-pentanone	0.072	0.068	5.6	96	0.00
63	TP	Tetrachloroethene	0.322	0.329	-2.2	108	0.00
65	TP	trans-1,3-Dichloropropene	0.371	0.395	-6.5	114	0.00
66	TP	4-Methyl-2-pentanol	0.034	0.029	14.7	87	0.00
67	TP	Ethyl methacrylate	0.282	0.295	-4.6	118	0.00
68	TP	1,1,2-Trichloroethane	0.171	0.188#	-9.9	114	0.00
69	TP	Chlorodibromomethane	0.266	0.292	-9.8	120	0.00
70	TP	1,3-Dichloropropane	0.358	0.384	-7.3	113	0.00
71	TP	1,2-Dibromoethane	0.206	0.224	-8.7	115	0.00
72	TP	2-Hexanone	0.128	0.112	12.5	96	0.00
73	TP	Chlorobenzene	0.823	0.878	-6.7	115	0.00
74	TC	Ethylbenzene	1.390	1.446	-4.0	112	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.289	0.312	-8.0	117	0.00
76	TP	p/m Xylene	0.551	0.566	-2.7	110	0.00
77	TP	o Xylene	0.524	0.565	-7.8	117	0.00
78	TP	Styrene	0.847	0.929	-9.7	119	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
80	TP	Bromoform	0.284	0.318	-12.0	121	0.00
82	TP	Isopropylbenzene	2.634	2.703	-2.6	109	0.00
83	S	4-Bromofluorobenzene	0.895	0.891	0.4	103	0.00
84	TP	Bromobenzene	0.615	0.661	-7.5	116	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
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)
85 TP	n-Propylbenzene	2.993	3.064	-2.4	110	0.00
86 TP	1,4-Dichlorobutane	0.722	0.814	-12.7	121	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.426	0.436	-2.3	107	0.00
88 TP	4-Ethyltoluene	2.505	2.729	-8.9	118	0.00
89 TP	2-Chlorotoluene	1.743	1.820	-4.4	114	0.00
90 TP	1,3,5-Trimethylbenzene	2.111	2.134	-1.1	110	0.00
91 TP	1,2,3-Trichloropropane	0.358	0.369	-3.1	112	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.134	0.141	-5.2	115	0.00
93 TP	4-Chlorotoluene	1.791	1.874	-4.6	115	0.00
94 TP	tert-Butylbenzene	1.795	1.820	-1.4	109	0.00
97 TP	1,2,4-Trimethylbenzene	2.040	2.170	-6.4	116	0.00
98 TP	sec-Butylbenzene	2.496	2.482	0.6	107	0.00
99 TP	p-Isopropyltoluene	2.141	2.144	-0.1	108	0.00
100 TP	1,3-Dichlorobenzene	1.134	1.183	-4.3	114	0.00
101 TP	1,4-Dichlorobenzene	1.155	1.161	-0.5	111	0.00
102 TP	p-Diethylbenzene	1.204	1.233	-2.4	111	0.00
103 TP	n-Butylbenzene	1.663	1.701	-2.3	112	0.00
104 TP	1,2-Dichlorobenzene	1.008	1.072	-6.3	116	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.617	1.671	-3.3	114	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	9.803	2.0	112	0.00
107 TP	1,3,5-Trichlorobenzene	0.582	0.651	-11.9	123	0.00
108 TP	Hexachlorobutadiene	0.207	0.195	5.8	105	0.00
109 TP	1,2,4-Trichlorobenzene	0.463	0.472	-1.9	114	0.00
110 TP	Naphthalene	0.933	0.946	-1.4	113	0.00
111 TP	1,2,3-Trichlorobenzene	0.324	0.325#	-0.3	113	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	504331	10.000	ug/L	0.00
Standard Area 1 = 492854			Recovery = 102.33%			
59) Chlorobenzene-d5	9.660	117	395977	10.000	ug/L	0.00
Standard Area 1 = 380882			Recovery = 103.96%			
79) 1,4-Dichlorobenzene-d4	12.337	152	206133	10.000	ug/L	0.00
Standard Area 1 = 198713			Recovery = 103.73%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.307	113	137567	10.122	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.22%			
43) 1,2-Dichloroethane-d4	5.836	65	145272	9.772	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.72%			
60) Toluene-d8	7.811	98	507180	10.036	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.36%			
83) 4-Bromofluorobenzene	11.138	95	183764	9.961	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.61%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.709	85	122141	10.001	ug/L	100
3) Chloromethane	1.902	50	156248	10.865	ug/L	99
4) Vinyl chloride	1.980	62	137091	10.277	ug/L	98
5) Bromomethane	2.298	94	86894	11.075	ug/L	100
6) Chloroethane	2.415	64	81997	10.274	ug/L	97
7) Trichlorofluoromethane	2.563	101	177583	10.198	ug/L	98
8) Ethyl ether	2.861	74	54163	12.043	ug/L	87
10) 1,1-Dichloroethene	3.059	96	98738	9.403	ug/L	96
11) Carbon disulfide	3.092	76	273617	10.350	ug/L	99
12) Freon-113	3.095	101	123961	10.653	ug/L	89
13) Iodomethane	3.198	142	56536M1	5.234	ug/L	
14) Acrolein	3.377	56	11698M1	8.482	ug/L	
15) Methylene chloride	3.611	84	107713	9.464	ug/L	91
16) Isopropyl alcohol	3.527	45	19945M1	47.285	ug/L	
17) Acetone	3.650	43	20175	7.411	ug/L	94
18) trans-1,2-Dichloroethene	3.770	96	110581	9.852	ug/L	98
19) Methyl acetate	3.767	43	54632	9.716	ug/L	93
20) Methyl tert-butyl ether	3.859	73	255309	11.111	ug/L	95
21) tert-Butyl alcohol	3.943	59	38689M1	58.952	ug/L	
22) Diisopropyl ether	4.219	45	416121	10.311	ug/L	96
23) 1,1-Dichloroethane	4.350	63	221213	10.211	ug/L	98

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.398	117	98636	11.156	ug/L		100
25) Acrylonitrile	4.392	53	29176	10.868	ug/L		92
26) Ethyl tert-butyl ether	4.568	59	347101	10.437	ug/L		85
27) Vinyl acetate	4.579	43	158979	7.629	ug/L		96
28) cis-1,2-Dichloroethene	4.869	96	121751	9.887	ug/L		96
29) 2,2-Dichloropropane	4.969	77	152321	9.119	ug/L		94
30) Bromochloromethane	5.064	128	59154	10.990	ug/L		99
31) Cyclohexane	5.067	56	230634	9.776	ug/L		93
32) Chloroform	5.131	83	206587	10.740	ug/L		98
33) Ethyl acetate	5.237	43	84575	10.232	ug/L		96
34) Carbon tetrachloride	5.273	117	163254	9.834	ug/L		99
35) Tetrahydrofuran	5.287	42	24979M1	10.312	ug/L		
37) 1,1,1-Trichloroethane	5.337	97	184887	10.398	ug/L		99
38) 2-Butanol	5.287	45	26722M1	45.822	ug/L		
39) 2-Butanone	5.421	43	29144	8.670	ug/L	#	46
40) 1,1-Dichloropropene	5.457	75	156663	10.208	ug/L		98
41) Benzene	5.703	78	443595	9.973	ug/L		96
42) tert-Amyl methyl ether	5.806	73	256176	10.260	ug/L		96
44) 1,2-Dichloroethane	5.903	62	151024	10.473	ug/L		98
46) 2-Methyl-2-butanol	6.004	59	24467M1	47.792	ug/L		
47) Methyl cyclohexane	6.291	83	197726	10.033	ug/L		90
48) Trichloroethene	6.299	95	128590	9.948	ug/L		95
50) Dibromomethane	6.743	93	62993	10.585	ug/L		96
51) 1,2-Dichloropropane	6.840	63	126374	10.279	ug/L		98
52) 4-penten-2-ol	6.810	45	17690M1	43.334	ug/L		
54) Bromodichloromethane	6.913	83	156391	10.596	ug/L		99
57) 1,4-Dioxane	7.116	88	35812	575.723	ug/L		92
58) cis-1,3-Dichloropropene	7.602	75	183499	10.477	ug/L		91
61) Toluene	7.869	92	299724	10.336	ug/L		97
62) 4-Methyl-2-pentanone	8.299	58	26738	9.347	ug/L		97
63) Tetrachloroethene	8.318	166	130381	10.233	ug/L		99
65) trans-1,3-Dichloropropene	8.349	75	156509	10.659	ug/L		98
66) 4-Methyl-2-pentanol	8.419	45	58206	42.789	ug/L	#	86
67) Ethyl methacrylate	8.533	69	116780	10.460	ug/L		97
68) 1,1,2-Trichloroethane	8.536	83	74267	10.991	ug/L		96
69) Chlorodibromomethane	8.753	129	115621	10.978	ug/L		99
70) 1,3-Dichloropropane	8.859	76	152211	10.746	ug/L		99
71) 1,2-Dibromoethane	9.029	107	88593	10.851	ug/L		99
72) 2-Hexanone	9.306	43	44526	8.817	ug/L		97
73) Chlorobenzene	9.679	112	347750	10.667	ug/L		96

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\220915A\V01220915A10.D
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) Ethylbenzene	9.713	91	572443	10.397	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.763	131	123697	10.819	ug/L		99
76) p/m Xylene	9.899	106	448294	20.554	ug/L		95
77) o Xylene	10.438	106	447592	21.586	ug/L		95
78) Styrene	10.505	104	735869	21.945	ug/L		97
80) Bromoform	10.530	173	65601	11.187	ug/L		99
82) Isopropylbenzene	10.814	105	557140	10.263	ug/L		100
84) Bromobenzene	11.249	156	136343	10.760	ug/L		99
85) n-Propylbenzene	11.291	91	631512	10.237	ug/L		98
86) 1,4-Dichlorobutane	11.305	55	167821	11.273	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.375	83	89843	10.237	ug/L		98
88) 4-Ethyltoluene	11.411	105	562435	10.894	ug/L		100
89) 2-Chlorotoluene	11.456	91	375062M1	10.436	ug/L		
90) 1,3,5-Trimethylbenzene	11.509	105	439911	10.108	ug/L		99
91) 1,2,3-Trichloropropane	11.514	75	76124M1	10.308	ug/L		
92) trans-1,4-Dichloro-2-b...	11.564	53	29077	10.538	ug/L	#	78
93) 4-Chlorotoluene	11.637	91	386227	10.460	ug/L		99
94) tert-Butylbenzene	11.849	119	375211	10.138	ug/L		98
97) 1,2,4-Trimethylbenzene	11.924	105	447269	10.634	ug/L		100
98) sec-Butylbenzene	12.036	105	511628	9.946	ug/L		99
99) p-Isopropyltoluene	12.189	119	441853	10.014	ug/L		98
100) 1,3-Dichlorobenzene	12.261	146	243931	10.435	ug/L		100
101) 1,4-Dichlorobenzene	12.353	146	239415	10.054	ug/L		98
102) p-Diethylbenzene	12.560	119	254250	10.243	ug/L		98
103) n-Butylbenzene	12.618	91	350730	10.232	ug/L		99
104) 1,2-Dichlorobenzene	12.772	146	220888	10.634	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.352	119	344407	10.333	ug/L		100
106) 1,2-Dibromo-3-chloropr...	13.550	155	12801	9.803	ug/L		95
107) 1,3,5-Trichlorobenzene	13.580	180	134203	11.181	ug/L		100
108) Hexachlorobutadiene	14.152	225	40232	9.444	ug/L		99
109) 1,2,4-Trichlorobenzene	14.180	180	97335	10.201	ug/L		99
110) Naphthalene	14.470	128	195054	10.145	ug/L		100
111) 1,2,3-Trichlorobenzene	14.643	180	67083	10.037	ug/L		98

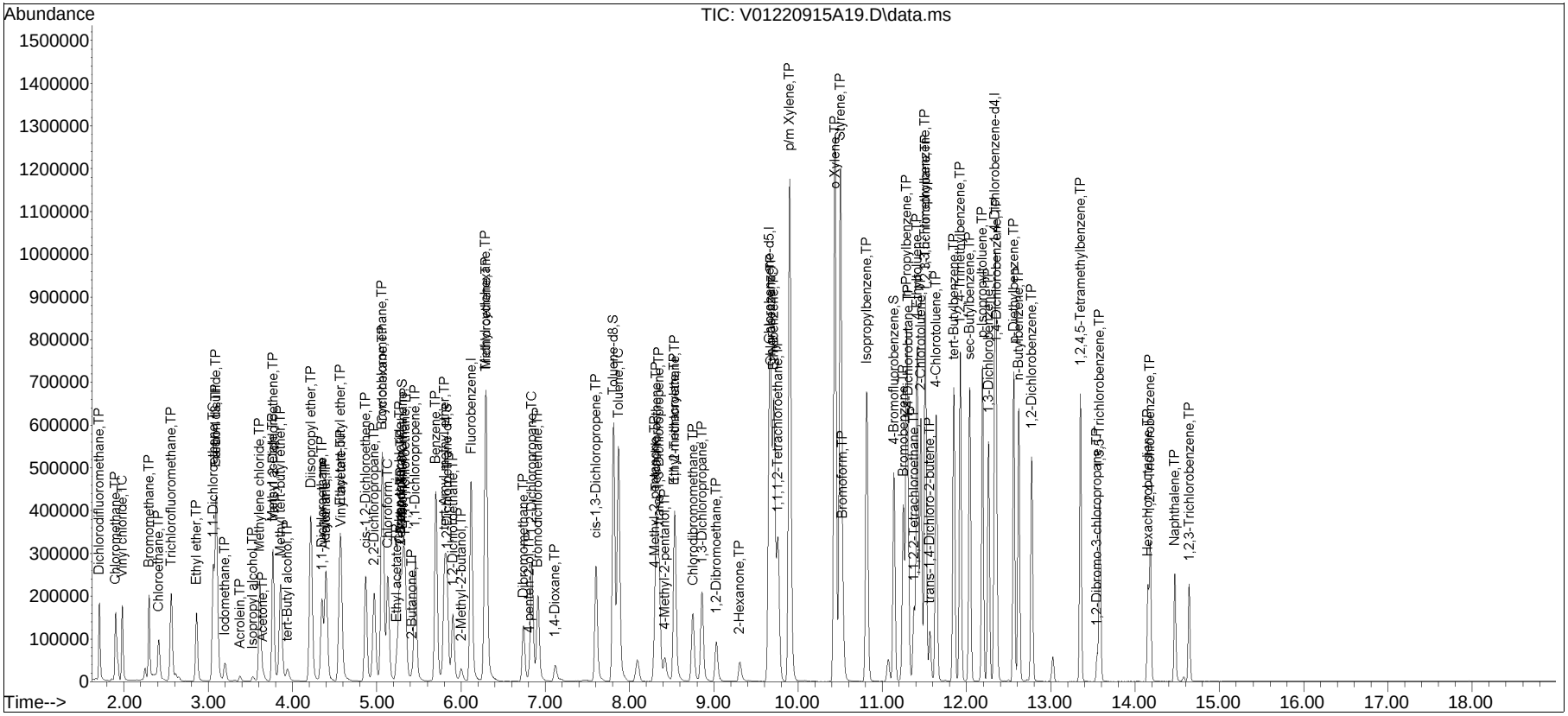
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

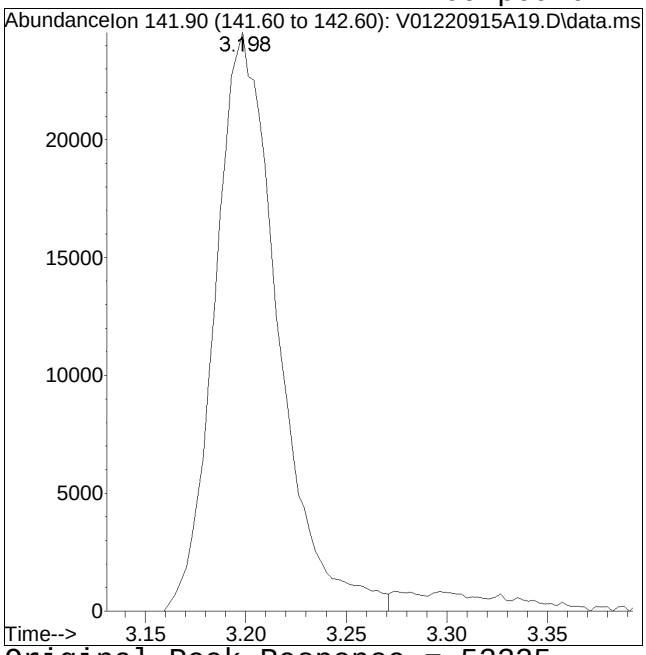
Sub List : 8260-Curve+Alc-2CEVE - 8260-Curve+Alc-2CEVE915A10.D•

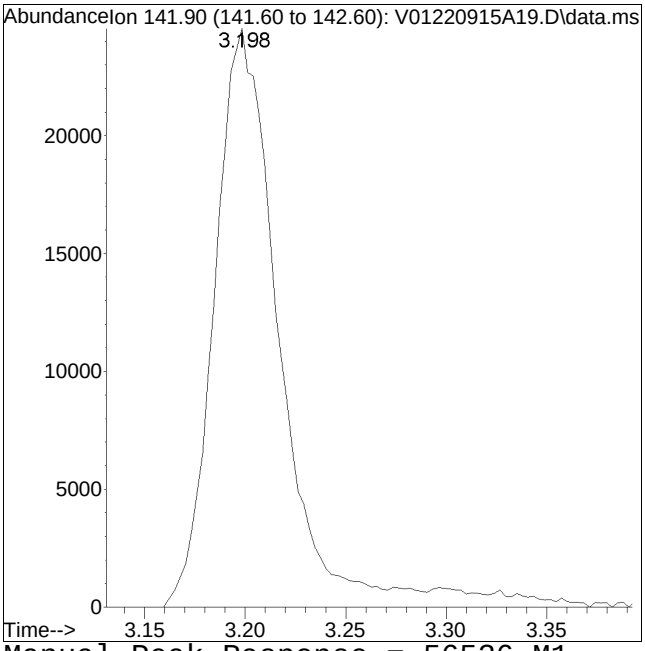


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #13: Iodomethane



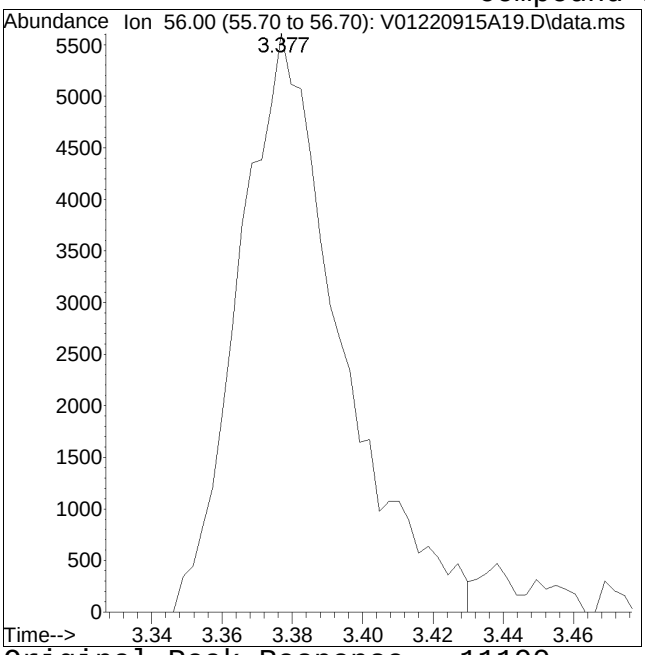


Original Peak Response = 53335 Manual Peak Response = 56536 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

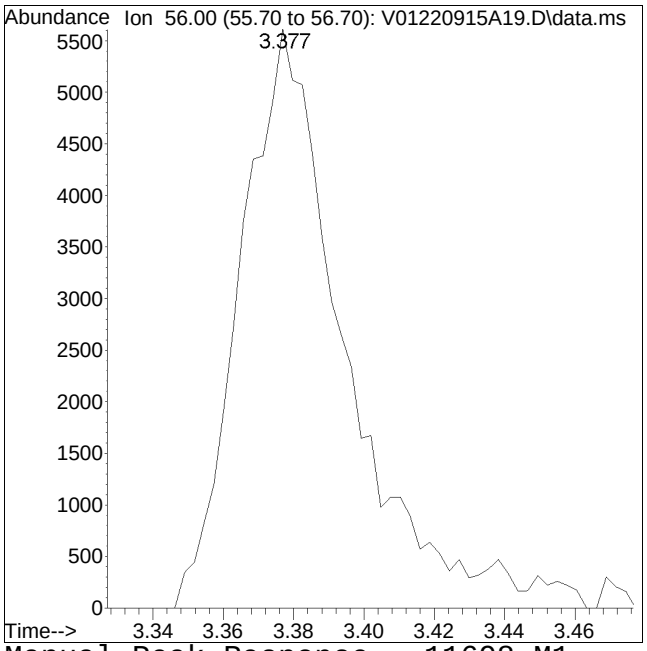
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #14: Acrolein



Original Peak Response = 11190



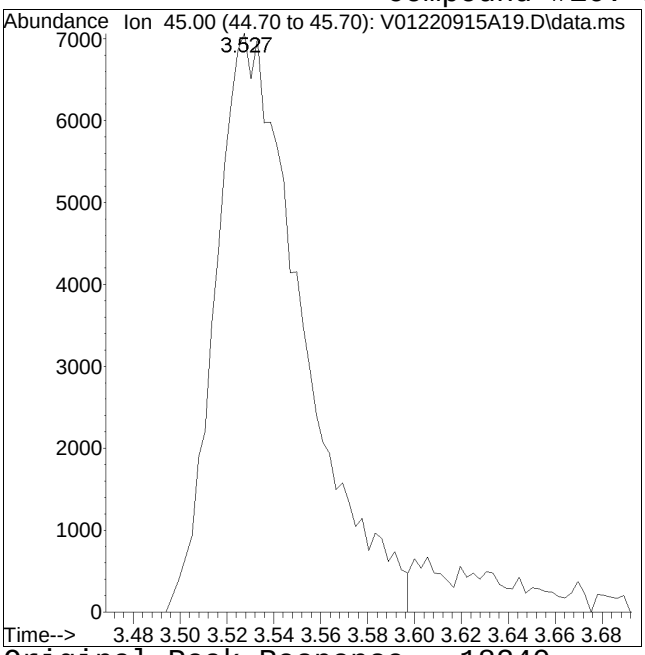
Manual Peak Response = 11698 M1

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

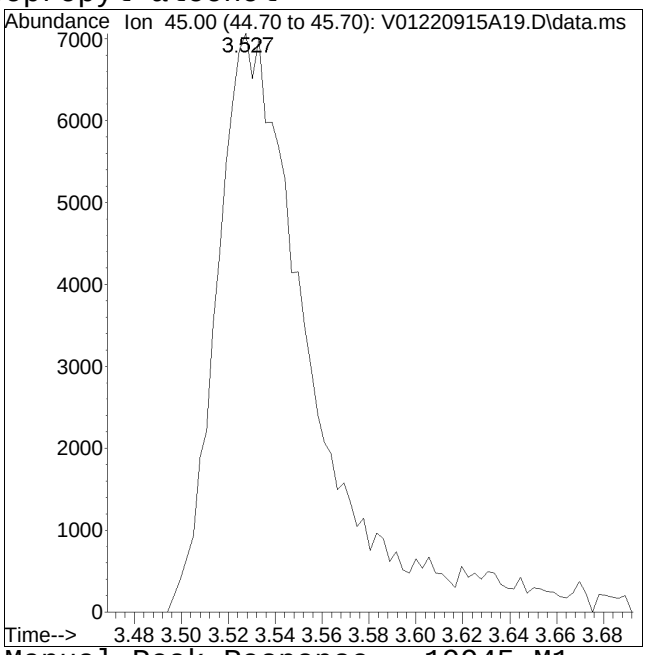
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #16: Isopropyl alcohol



Original Peak Response = 18240



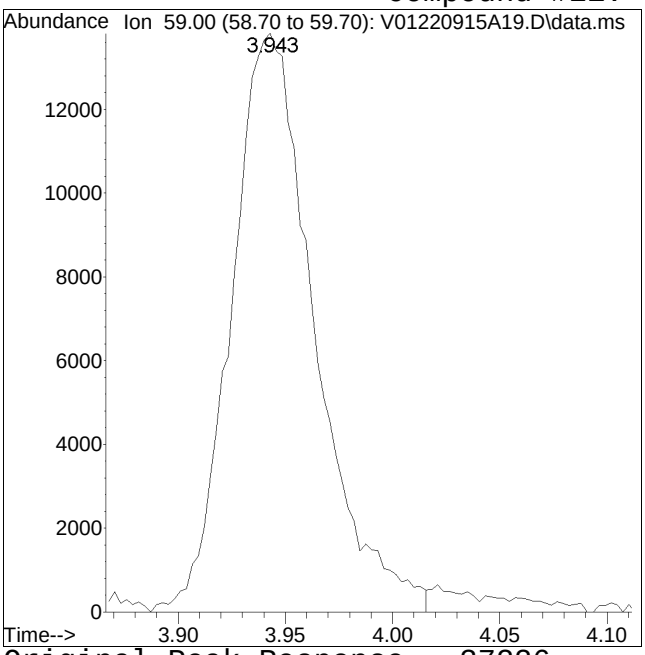
Manual Peak Response = 19945 M1

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

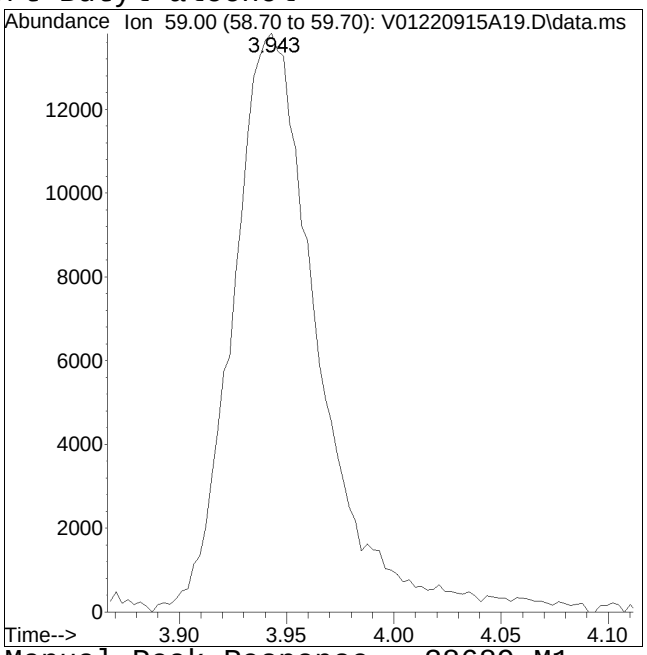
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 37226



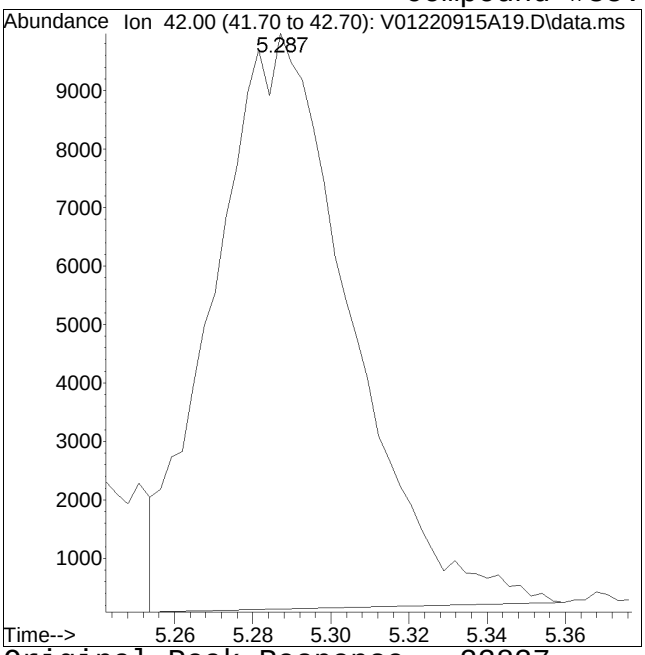
Manual Peak Response = 38689 M1

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

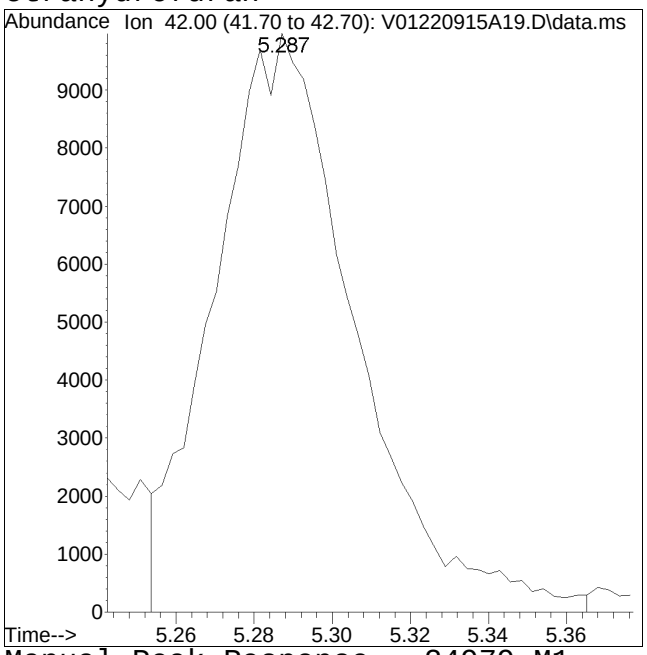
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 23837



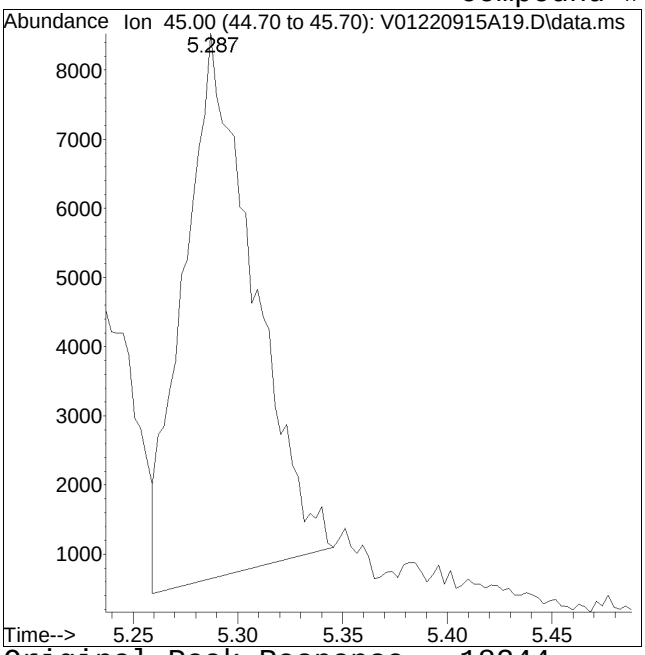
Manual Peak Response = 24979 M1

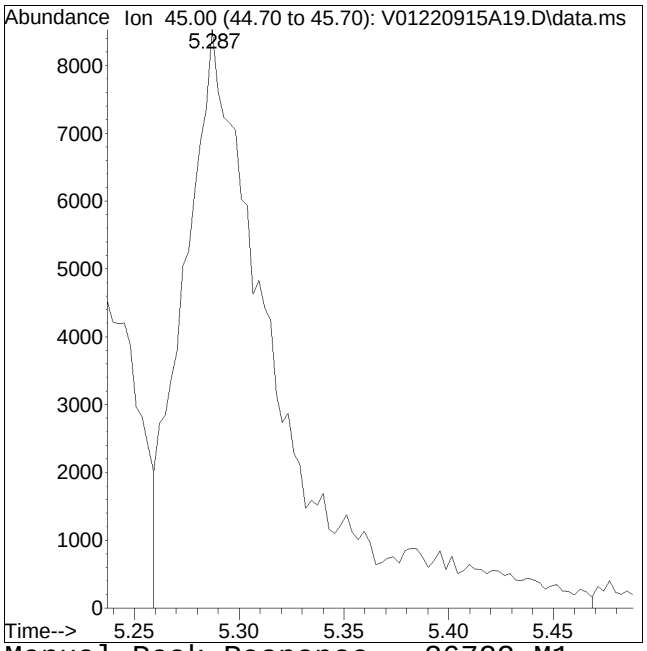
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #38: 2-Butanol





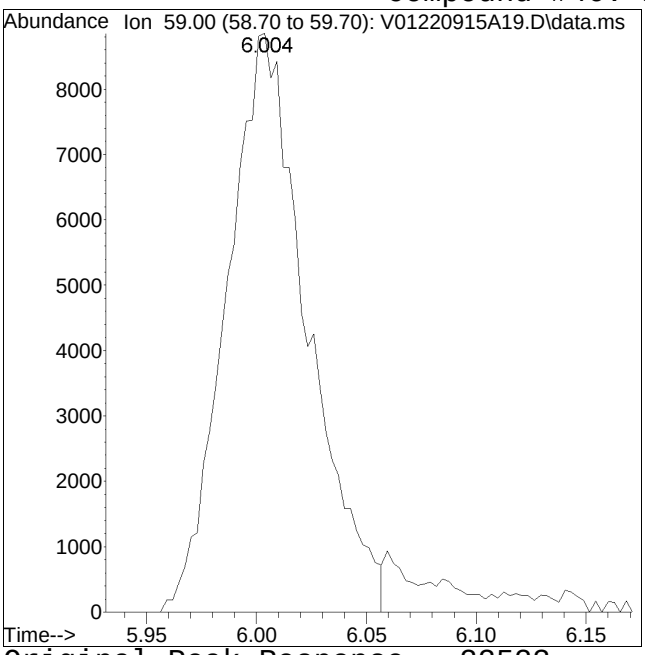
Original Peak Response = 18244 Manual Peak Response = 26722 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

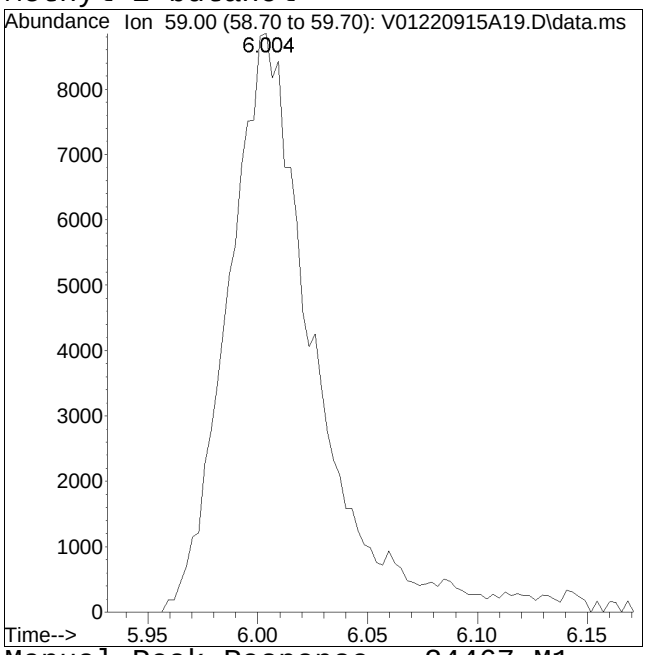
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01220915A19.D
Date Inj'd : 9/15/2022 6:41 pm
Sample : C8260STD10PPB

Method : V101_220915A_8260.m
Operator : VOA101:MKS
Instrument : VOA 101
Quant Date : 9/16/2022 2:19 pm

Compound #46: 2-Methyl-2-butanol





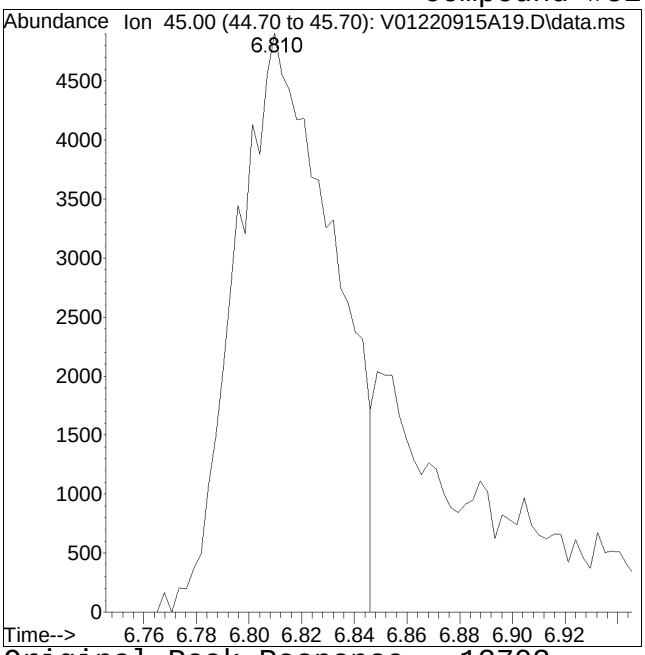
Original Peak Response = 22523 Manual Peak Response = 24467 M1

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

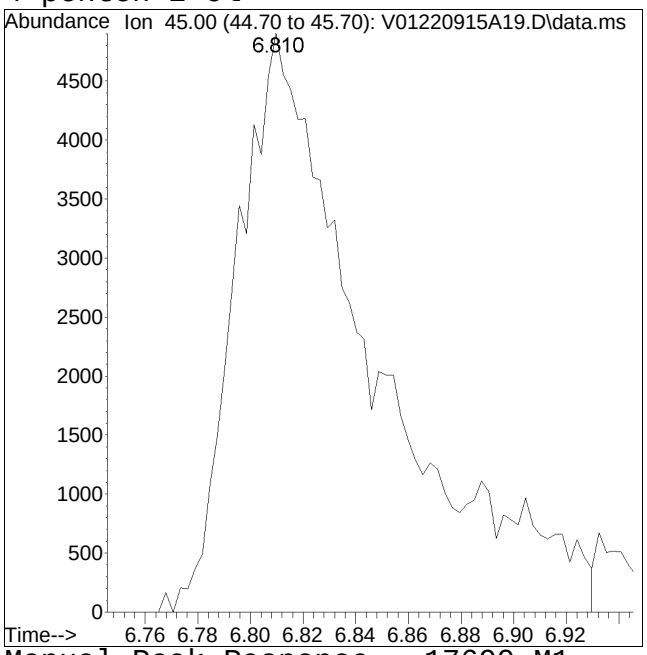
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #52: 4-penten-2-ol



Original Peak Response = 12703



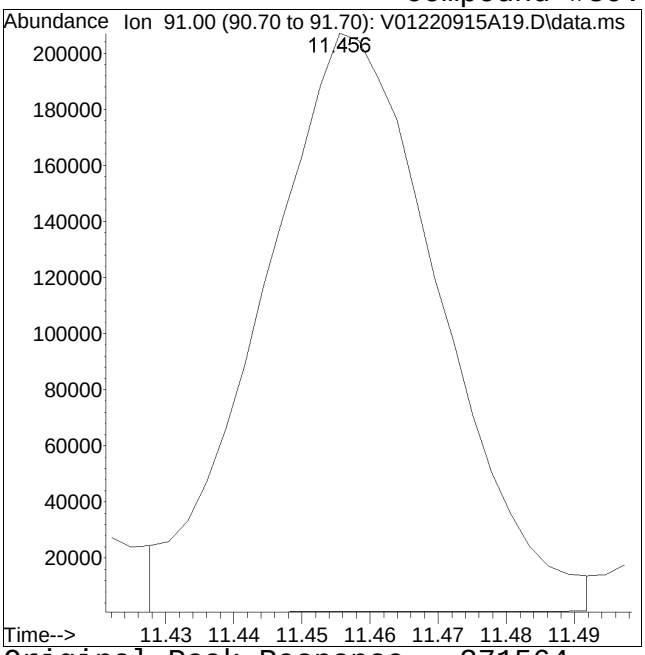
Manual Peak Response = 17690 M1

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

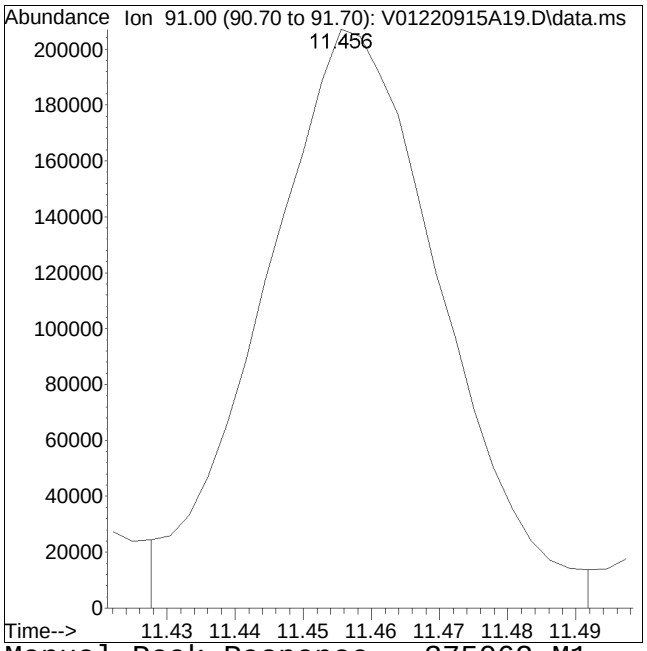
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 371564



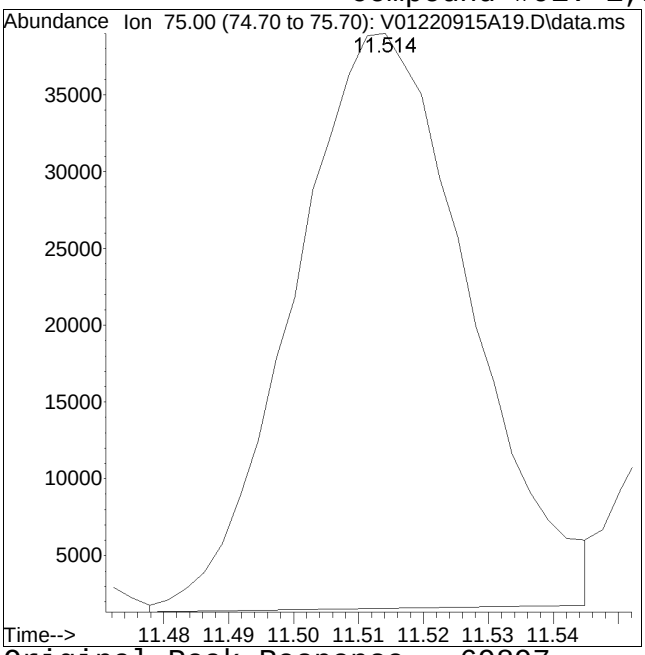
Manual Peak Response = 375062 M1

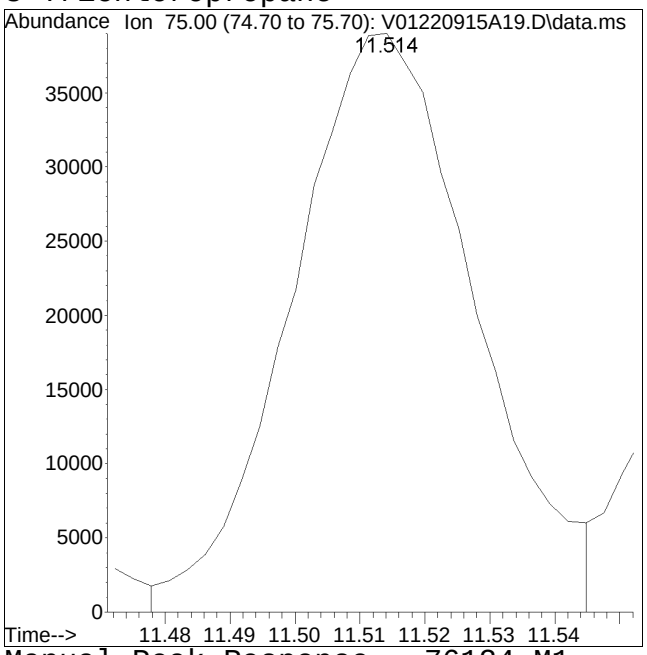
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01220915A19.D Operator : VOA101:MKS
Date Inj'd : 9/15/2022 6:41 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/16/2022 2:19 pm

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 69897 Manual Peak Response = 76124 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Correlation Data Summary

Method Path:	I:\VOLATILES\VOA101\2022\220915A\
Method File:	V101_220915A_8260.m
Method Title:	VOLATILES BY GC/MS
Last Update:	Fri Sep 16 14:19:11 2022
CSV generated:	Fri Sep 16 14:25:24 2022

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
Iodomethane	Linear	0.998769	0	0.287478	-0.038351
1,2-Dibromo-3-chloropropane	Quadratic	0.998919	0.000344	0.06523	-0.002175

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Method File : VOA130_221012N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Oct 13 11:46:57 2022
Response Via : Initial Calibration

Calibration Files
L11 =V30221012N04.D L1 =V30221012N06.D L2 =V30221012N08.D L3 =V30221012N09.D L4 =V30221012N10.D
L6 =V30221012N11.D L8 =V30221012N12.D L10 =V30221012N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.126	0.222	0.201	0.230	0.217	0.208	0.215	0.203	17.24
3)	TP	Chloromethane		0.220	0.275	0.235	0.258	0.239	0.228	0.233	0.241	7.94
4)	TC	Vinyl chloride	0.254	0.197	0.304	0.252	0.288	0.274	0.263	0.271	0.263	12.07
5)	TP	Bromomethane		0.118	0.157	0.140	0.166	0.174	0.177	0.194	0.161	15.68
6)	TP	Chloroethane		0.168	0.238	0.191	0.219	0.211	0.211	0.210	0.207	10.65
7)	TP	Trichlorofluor...		0.343	0.464	0.427	0.495	0.465	0.442	0.445	0.440	10.94
8)	TP	Ethyl ether		0.098	0.125	0.107	0.118	0.117	0.113	0.115	0.114	7.61
10)	TC	1,1-Dichloroet...		0.205	0.290	0.248	0.278	0.262	0.253	0.258	0.256	10.47
11)	TP	Carbon disulfide		0.517	0.721	0.612	0.688	0.649	0.620	0.635	0.634	10.19
12)	TP	Freon-113		0.157	0.304	0.262	0.312	0.297	0.284	0.286	0.272	19.61
13)	TP	Iodomethane			0.149	0.153	0.226	0.257	0.268	0.271	*Q	0.9979
14)	TP	Acrolein		0.024	0.026	0.023	0.024	0.025	0.024	0.025	0.025	3.74
15)	TP	Methylene chlo...		0.248	0.265	0.210	0.226	0.210	0.205	0.209	0.225	10.33
17)	TP	Acetone			0.052	0.040	0.039	0.032	0.032	0.033	*L	0.9978
18)	TP	trans-1,2-Dich...		0.186	0.245	0.203	0.230	0.215	0.210	0.218	0.215	8.78
19)	TP	Methyl acetate			0.102	0.090	0.096	0.091	0.091	0.092	0.094	4.89
20)	TP	Methyl tert-bu...		0.251	0.311	0.296	0.373	0.383	0.386	0.409	0.344	16.94
21)	TP	tert-Butyl alc...			0.007	0.006	0.007	0.007	0.008	0.008	0.007#	10.54
22)	TP	Diisopropyl ether			0.504	0.486	0.631	0.665	0.670	0.707	0.610	15.23
23)	TP	1,1-Dichloroet...		0.358	0.471	0.392	0.432	0.408	0.398	0.413	0.410	8.52
24)	TP	Halothane		0.098	0.178	0.170	0.192	0.181	0.174	0.181	0.168	18.76
25)	TP	Acrylonitrile			0.054	0.044	0.051	0.049	0.047	0.048	0.049	6.59
26)	TP	Ethyl tert-but...			0.398	0.386	0.515	0.556	0.575	0.615	0.507	18.79
27)	TP	Vinyl acetate			0.283	0.267	0.354	0.386	0.397	0.425	0.352	18.25
28)	TP	cis-1,2-Dichlo...		0.216	0.270	0.227	0.253	0.240	0.236	0.244	0.241	7.33
29)	TP	2,2-Dichloropr...		0.153	0.259	0.223	0.271	0.270	0.272	0.291	0.248	18.92
30)	TP	Bromochloromet...		0.115	0.135	0.112	0.121	0.115	0.111	0.110	0.117	7.37
31)	TP	Cyclohexane			0.361	0.367	0.462	0.441	0.434	0.453	0.420	10.56
32)	TC	Chloroform		0.355	0.475	0.380	0.419	0.396	0.391	0.403	0.403	9.31
33)	TP	Ethyl acetate			0.096	0.091	0.115	0.120	0.122	0.125	0.111	12.83

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Method File : VOA130_221012N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Oct 13 11:46:57 2022
Response Via : Initial Calibration

Calibration Files
L11 =V30221012N04.D L1 =V30221012N06.D L2 =V30221012N08.D L3 =V30221012N09.D L4 =V30221012N10.D
L6 =V30221012N11.D L8 =V30221012N12.D L10 =V30221012N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.211	0.325	0.304	0.352	0.339	0.334	0.349	0.316	15.50	
35)	TP	Tetrahydrofuran		0.030	0.035	0.033	0.031	0.032	0.033	0.032	5.74	
36)	S	Dibromofluorom...	0.353	0.364	0.350	0.308	0.295	0.278	0.278	0.275	0.313	12.03
37)	TP	1,1,1-Trichlor...	0.237	0.360	0.307	0.357	0.348	0.344	0.362	0.331	13.76	
39)	TP	2-Butanone		0.044	0.044	0.049	0.051	0.050	0.055	0.049	8.91	
40)	TP	1,1-Dichloropr...		0.243	0.251	0.311	0.299	0.296	0.310	0.285	10.49	
41)	TP	Benzene	0.627	0.617	0.828	0.757	0.896	0.877	0.866	0.891	0.795	14.54
42)	TP	tert-Amyl meth...		0.282	0.267	0.353	0.397	0.417	0.456	*Q	0.9993	
43)	S	1,2-Dichloroet...	0.352	0.357	0.356	0.318	0.297	0.282	0.285	0.281	0.316	10.85
44)	TP	1,2-Dichloroet...	0.306	0.323	0.270	0.301	0.292	0.291	0.301	0.298	5.46	
47)	TP	Methyl cyclohe...		0.282	0.299	0.405	0.415	0.417	0.439	0.376	17.91	
48)	TP	Trichloroethene	0.166	0.157	0.215	0.205	0.246	0.238	0.238	0.247	0.214	16.69
50)	TP	Dibromomethane	0.116	0.137	0.116	0.129	0.123	0.122	0.127	0.124	5.98	
51)	TC	1,2-Dichloropr...	0.174	0.215	0.203	0.236	0.233	0.235	0.244	0.220	11.25	
53)	TP	2-Chloroethyl ...		0.078	0.074	0.097	0.108	0.110	0.118	0.097	18.57	
54)	TP	Bromodichlorom...	0.284	0.344	0.286	0.321	0.311	0.309	0.320	0.310	6.70	
57)	TP	1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.84	
58)	TP	cis-1,3-Dichlo...	0.228	0.264	0.252	0.324	0.338	0.346	0.365	0.302	17.66	
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.237	1.229	1.257	1.281	1.285	1.262	1.212	1.212	1.247	2.30
61)	TC	Toluene	0.501	0.638	0.610	0.732	0.733	0.702	0.731	0.664	13.10	
62)	TP	4-Methyl-2-pen...		0.045	0.040	0.052	0.057	0.058	0.061	0.052	15.43	
63)	TP	Tetrachloroethene	0.197	0.270	0.267	0.324	0.326	0.310	0.324	0.288	16.55	
65)	TP	trans-1,3-Dich...	0.219	0.255	0.257	0.351	0.376	0.375	0.392	*Q	0.9986	
67)	TP	Ethyl methacry...	0.133	0.164	0.157	0.194	0.207	0.206	0.220	0.183	17.44	
68)	TP	1,1,2-Trichlor...	0.118	0.153	0.153	0.186	0.185	0.179	0.181	0.165#	15.18	
69)	TP	Chlorodibromom...	0.219	0.253	0.253	0.303	0.306	0.298	0.300	0.276	12.35	
70)	TP	1,3-Dichloropr...	0.270	0.323	0.317	0.392	0.388	0.375	0.379	0.349	13.28	
71)	TP	1,2-Dibromoethane	0.145	0.173	0.174	0.216	0.219	0.212	0.214	0.193#	14.98	
72)	TP	2-Hexanone	0.083	0.074	0.070	0.082	0.087	0.088	0.090	0.082	9.18	
73)	TP	Chlorobenzene	0.624	0.755	0.695	0.820	0.826	0.787	0.825	0.762	10.12	

Method Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Method File : VOA130_221012N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Oct 13 11:46:57 2022
Response Via : Initial Calibration

Calibration Files
L11 =V30221012N04.D L1 =V30221012N06.D L2 =V30221012N08.D L3 =V30221012N09.D L4 =V30221012N10.D
L6 =V30221012N11.D L8 =V30221012N12.D L10 =V30221012N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene		0.854	1.172	1.146	1.434	1.432	1.373	1.426	1.262	17.30
75)	TP	1,1,1,2-Tetrac...		0.187	0.240	0.231	0.292	0.320	0.312	0.329	0.273	19.79
76)	TP	p/m Xylene		0.327	0.454	0.467	0.562	0.581	0.560	0.600	0.507	19.20
77)	TP	o Xylene		0.336	0.439	0.444	0.537	0.554	0.538	0.577	0.489	17.61
78)	TP	Styrene		0.527	0.758	0.757	0.907	0.948	0.910	0.930	0.820	18.49
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.236	0.240	0.247	0.317	0.344	0.347	0.378	0.301	19.62
82)	TP	Isopropylbenzene		1.466	2.124	2.194	2.660	2.701	2.613	2.753	2.359	19.78
83)	S	4-Bromofluorob...	0.817	0.822	0.795	0.812	0.784	0.780	0.773	0.782	0.795	2.37
84)	TP	Bromobenzene		0.517	0.586	0.547	0.623	0.619	0.607	0.641	0.591	7.57
85)	TP	n-Propylbenzene		1.920	2.632	2.729	3.230	3.307	3.173	3.242	2.890	17.45
86)	TP	1,4-Dichlorobu...		0.543	0.541	0.523	0.626	0.670	0.684	0.744	0.619	13.76
87)	TP	1,1,2,2-Tetrac...		0.372	0.401	0.370	0.421	0.438	0.436	0.450	0.412	7.84
88)	TP	4-Ethyltoluene		1.537	2.117	2.208	2.652	2.740	2.659	2.780	2.385	19.15
89)	TP	2-Chlorotoluene		1.451	1.870	1.816	2.117	2.174	2.105	2.256	1.970	14.14
90)	TP	1,3,5-Trimethy...			1.642	1.758	2.222	2.332	2.269	2.374	2.100	15.05
91)	TP	1,2,3-Trichlor...		0.261	0.277	0.290	0.329	0.353	0.353	0.377	0.320	13.84
92)	TP	trans-1,4-Dich...		0.111	0.117	0.113	0.129	0.136	0.135	0.141	0.126	9.56
93)	TP	4-Chlorotoluene		1.264	1.643	1.624	1.884	1.897	1.836	1.934	1.726	13.80
94)	TP	tert-Butylbenzene			1.619	1.673	2.040	2.060	2.005	2.125	1.920	11.29
97)	TP	1,2,4-Trimethy...			1.570	1.719	2.184	2.296	2.247	2.336	2.059	15.94
98)	TP	sec-Butylbenzene		1.517	2.442	2.578	3.132	3.141	3.029	3.100	*L	0.9993
99)	TP	p-Isopropyltol...		1.260	1.961	2.153	2.691	2.760	2.690	2.772	*L	0.9990
100)	TP	1,3-Dichlorobe...		0.981	1.200	1.129	1.297	1.316	1.279	1.337	1.220	10.48
101)	TP	1,4-Dichlorobe...		0.967	1.208	1.118	1.283	1.299	1.257	1.318	1.207	10.41
102)	TP	p-Diethylbenzene			1.107	1.220	1.603	1.688	1.660	1.765	1.507	18.16
103)	TP	n-Butylbenzene		1.187	1.801	1.956	2.504	2.532	2.457	2.533	*L	0.9989
104)	TP	1,2-Dichlorobe...		0.872	1.119	1.018	1.183	1.198	1.154	1.204	1.107	10.99
105)	TP	1,2,4,5-Tetram...			1.430	1.565	2.119	2.360	2.440	2.598	*Q	0.9991
106)	TP	1,2-Dibromo-3-...		0.044	0.063	0.058	0.066	0.066	0.068	0.072	0.062	14.68
107)	TP	1,3,5-Trichlor...		0.715	0.841	0.818	0.975	1.019	1.021	1.080	0.924	14.45

Method Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Method File : VOA130_221012N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Oct 13 11:46:57 2022
Response Via : Initial Calibration

Calibration Files
L11 =V30221012N04.D L1 =V30221012N06.D L2 =V30221012N08.D L3 =V30221012N09.D L4 =V30221012N10.D
L6 =V30221012N11.D L8 =V30221012N12.D L10 =V30221012N13.D

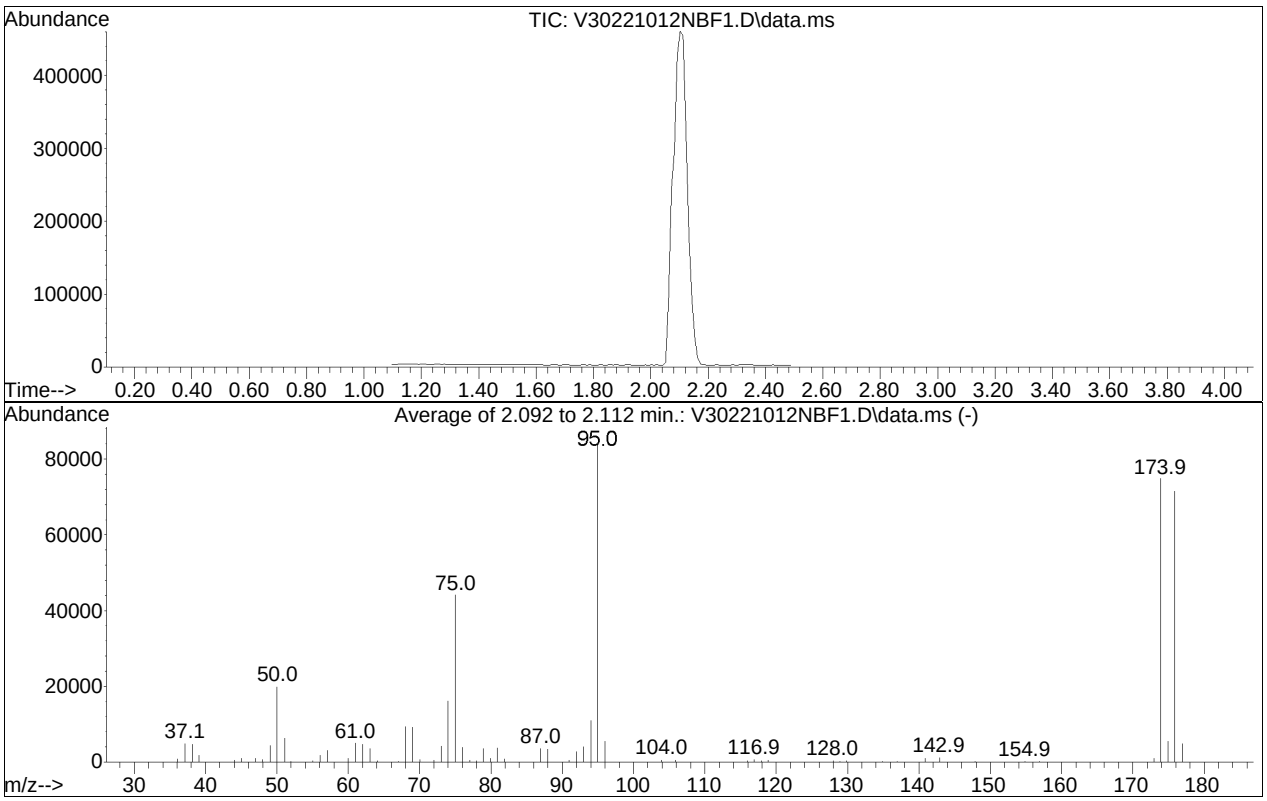
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108) TP	Hexachlorobuta...	0.287	0.355	0.359	0.431	0.433	0.432	0.460	0.394	15.69	
109) TP	1,2,4-Trichlor...	0.672	0.724	0.690	0.819	0.849	0.847	0.913	0.788	11.66	
110) TP	Naphthalene	1.160	1.224	1.232	1.476	1.529	1.519	1.583	1.389	12.68	
111) TP	1,2,3-Trichlor...	0.636	0.710	0.662	0.753	0.748	0.739	0.790	0.720	7.53	

(#) = Out of Range

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012NBF1.D
Acq On : 12 Oct 2022 07:01 pm
Operator : VOA130:LAC
Sample : WG1699013-1
Misc : WG1699013
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Oct 13 11:46:57 2022



AutoFind: Scans 99, 100, 101; Background Corrected with Scan 92

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	19811	PASS
75	95	30	60	52.2	44072	PASS
95	95	100	100	100.0	84352	PASS
96	95	5	9	6.6	5566	PASS
173	174	0.00	2	1.4	1030	PASS
174	95	50	100	88.7	74843	PASS
175	174	5	9	7.5	5580	PASS
176	174	95	101	95.7	71608	PASS
177	176	5	9	6.9	4927	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N04.D
Acq On : 12 Oct 2022 08:17 pm
Operator : VOA130:PID
Sample : I8260STD0.19PPB
Misc : WG1699013,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:13:35 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:08:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.481	96	153888	10.000	ug/L	0.00
Standard Area 1 = 177813			Recovery = 86.54%			
59) Chlorobenzene-d5	8.490	117	121426	10.000	ug/L	0.00
Standard Area 1 = 131094			Recovery = 92.63%			
79) 1,4-Dichlorobenzene-d4	9.979	152	65164	10.000	ug/L	0.00
Standard Area 1 = 71103			Recovery = 91.65%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.483	113	54370	11.454	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.54%			
43) 1,2-Dichloroethane-d4	5.132	65	54221	11.089	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.89%			
60) Toluene-d8	7.188	98	150240	9.661	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.61%			
83) 4-Bromofluorobenzene	9.313	95	53227	10.065	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.65%			
Target Compounds						Qvalue
4) Vinyl chloride	1.105	62	742	0.191	ug/L #	58
34) Carbon tetrachloride	4.365	117	553M3	0.118	ug/L	
41) Benzene	4.957	78	1834	0.158	ug/L #	56
48) Trichloroethene	5.673	95	485	0.154	ug/L #	36

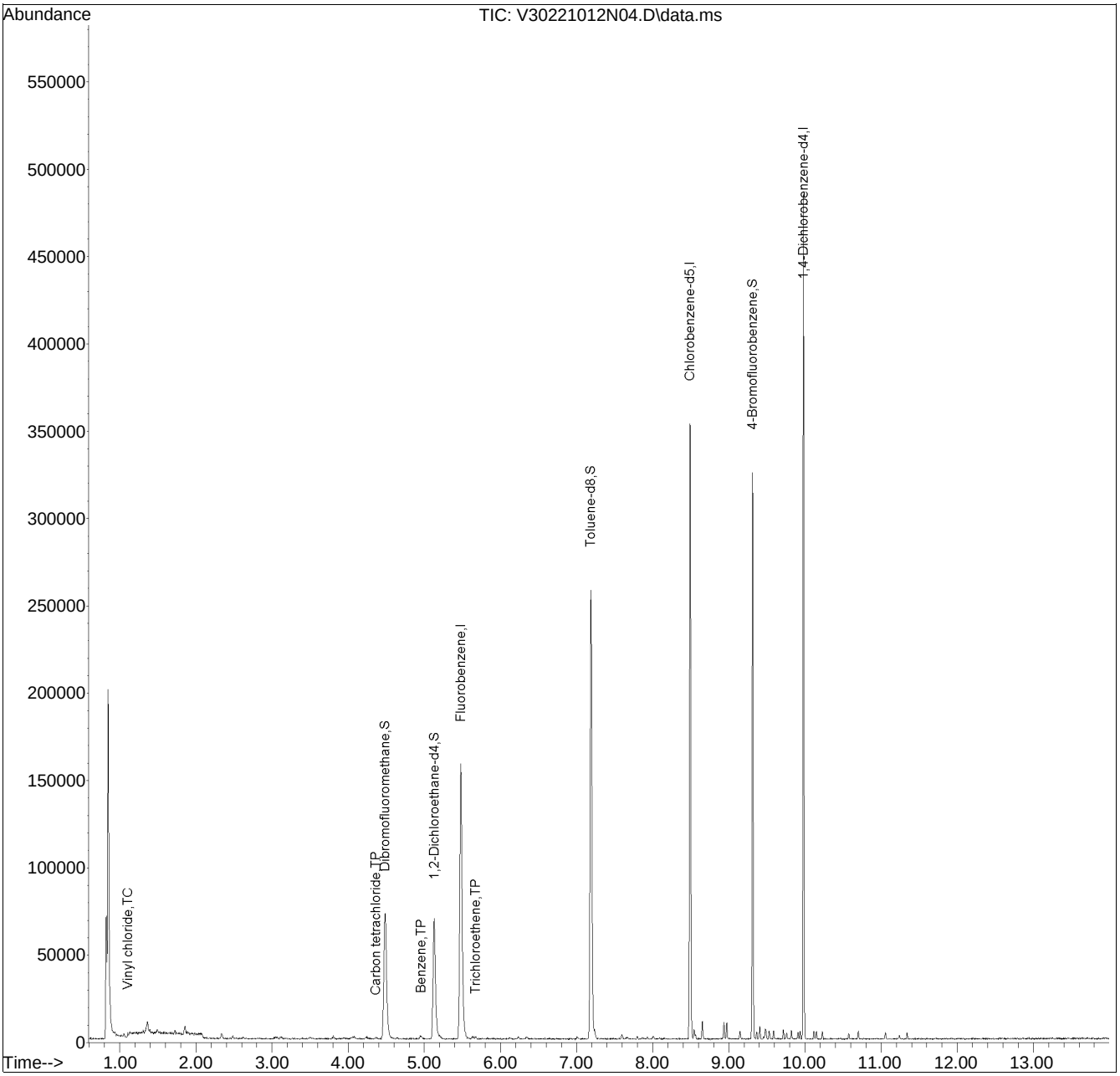
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N04.D
Acq On : 12 Oct 2022 08:17 pm
Operator : VOA130:PID
Sample : I8260STD0.19PPB
Misc : WG1699013,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:13:35 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:08:43 2022
Response via : Initial Calibration

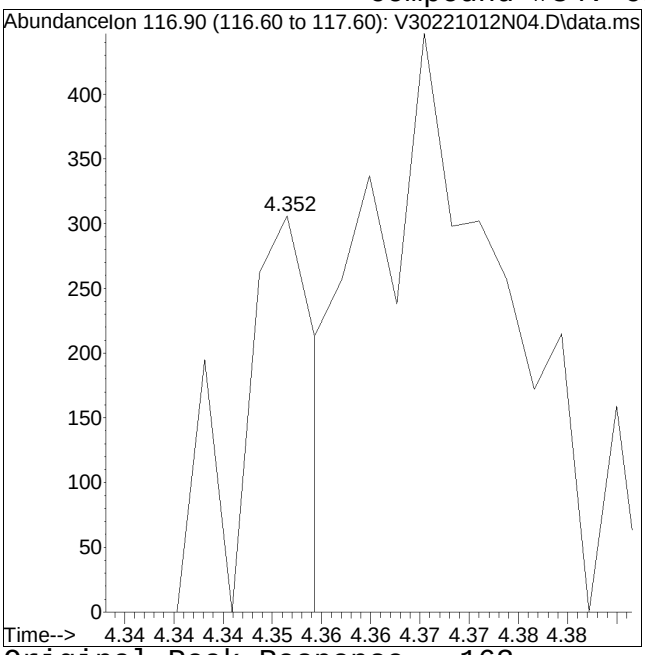
Sub List : 8260-L11 - Level 11 for 8260-LRR productL\V30221012N09.D•



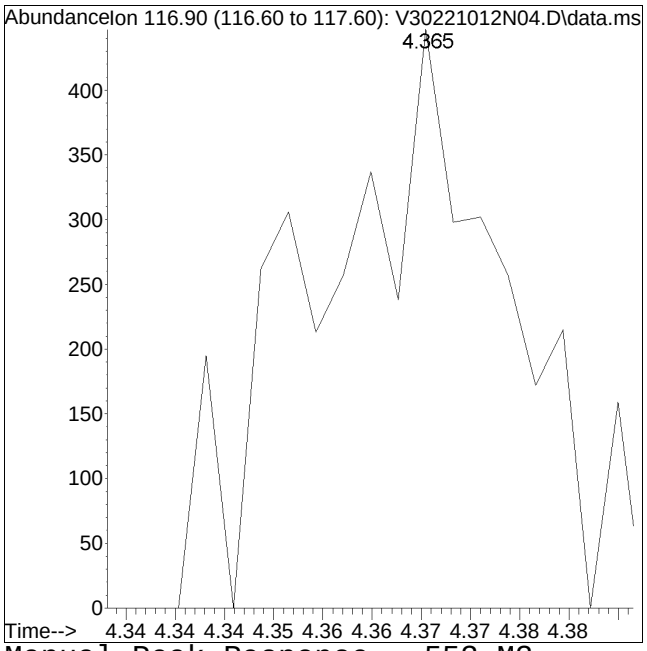
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N04.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:17 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 10/13/2022 11:12 am

Compound #34: Carbon tetrachloride



Original Peak Response = 163



Manual Peak Response = 553 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N06.D
Acq On : 12 Oct 2022 08:56 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1699013,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:18:50 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:13:46 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.479	96	150877	10.000 ug/L	0.00
Standard Area 1 = 177813			Recovery = 84.85%		
59) Chlorobenzene-d5	8.490	117	121656	10.000 ug/L	0.00
Standard Area 1 = 131094			Recovery = 92.80%		
79) 1,4-Dichlorobenzene-d4	9.979	152	65355	10.000 ug/L	0.00
Standard Area 1 = 71103			Recovery = 91.92%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.483	113	54990	11.015 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.15%		
43) 1,2-Dichloroethane-d4	5.130	65	53890	10.661 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.61%		
60) Toluene-d8	7.188	98	149569	9.765 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.65%		
83) 4-Bromofluorobenzene	9.310	95	53701	10.092 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.92%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.936	85	952	0.313 ug/L #	87
3) Chloromethane	1.053	50	1656	0.467 ug/L	88
4) Vinyl chloride	1.106	62	1488	0.390 ug/L	87
5) Bromomethane	1.307	94	890	0.420 ug/L	82
6) Chloroethane	1.396	64	1268	0.440 ug/L	85
7) Trichlorofluoromethane	1.491	101	2585	0.401 ug/L	95
8) Ethyl ether	1.725	74	742	0.458 ug/L #	67
10) 1,1-Dichloroethene	1.850	96	1550	0.415 ug/L #	64
11) Carbon disulfide	1.856	76	3900	0.422 ug/L	98
12) Freon-113	1.892	101	1181	0.299 ug/L #	62
13) Iodomethane	1.951	142	844	0.367 ug/L #	82
14) Acrolein	2.129	56	180	0.516 ug/L #	74
15) Methylene chloride	2.333	84	1868	0.591 ug/L	90
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	2.481	96	1406	0.459 ug/L #	35
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	2.628	73	1892M3	0.424 ug/L	
21) tert-Butyl alcohol	0.000		0	N.D. d	
22) Diisopropyl ether	3.047	45	2920	0.398 ug/L #	51
23) 1,1-Dichloroethane	3.119	63	2702	0.457 ug/L #	52
24) Halothane	3.253	117	740M3	0.289 ug/L	

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N06.D
Acq On : 12 Oct 2022 08:56 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1699013,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:18:50 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:13:46 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Acrylonitrile	3.192	53	184	0.274 ug/L #	54
26) Ethyl tert-butyl ether	3.487	59	2368M1	0.407 ug/L	
27) Vinyl acetate	0.000		0	N.D. d	
28) cis-1,2-Dichloroethene	3.811	96	1626M3	0.474 ug/L	
29) 2,2-Dichloropropane	3.950	77	1153M1	0.343 ug/L	
30) Bromochloromethane	4.079	128	870M1	0.514 ug/L	
31) Cyclohexane	4.054	56	1681M1	0.304 ug/L	
32) Chloroform	4.243	83	2677M1	0.467 ug/L	
33) Ethyl acetate	0.000		0	N.D. d	
34) Carbon tetrachloride	4.366	117	1594M3	0.428 ug/L	
35) Tetrahydrofuran	0.000		0	N.D. d	
37) 1,1,1-Trichloroethane	4.463	97	1785M3	0.385 ug/L	
39) 2-Butanone	0.000		0	N.D. d	
40) 1,1-Dichloropropene	4.648	75	1020M4	0.269 ug/L	
41) Benzene	4.951	78	4655	0.446 ug/L #	75
42) tert-Amyl methyl ether	5.189	73	1697M1	0.422 ug/L	
44) 1,2-Dichloroethane	5.214	62	2311M3	0.568 ug/L	
47) Methyl cyclohexane	5.637	83	1325	0.293 ug/L #	39
48) Trichloroethene	5.671	95	1182M1	0.423 ug/L	
50) Dibromomethane	6.120	93	878	0.502 ug/L #	73
51) 1,2-Dichloropropane	6.226	63	1309M1	0.427 ug/L	
53) 2-Chloroethyl vinyl ether	6.998	63	366M1	0.329 ug/L	
54) Bromodichloromethane	6.346	83	2139	0.495 ug/L #	61
57) 1,4-Dioxane	6.572	88	1219	97.930 ug/L #	62
58) cis-1,3-Dichloropropene	7.007	75	1720	0.452 ug/L #	65
61) Toluene	7.230	92	3048	0.410 ug/L	100
62) 4-Methyl-2-pentanone	0.000		0	N.D. d	
63) Tetrachloroethene	7.592	166	1196	0.368 ug/L	80
65) trans-1,3-Dichloropropene	7.670	75	1333	0.427 ug/L	88
67) Ethyl methacrylate	7.857	69	809	0.423 ug/L	79
68) 1,1,2-Trichloroethane	7.793	83	718	0.385 ug/L #	86
69) Chlorodibromomethane	7.927	129	1335	0.434 ug/L	93
70) 1,3-Dichloropropane	8.008	76	1643	0.426 ug/L #	88
71) 1,2-Dibromoethane	8.083	107	884	0.417 ug/L	90
72) 2-Hexanone	8.331	43	503	0.590 ug/L #	35
73) Chlorobenzene	8.499	112	3795	0.449 ug/L #	76
74) Ethylbenzene	8.543	91	5193	0.373 ug/L	100
75) 1,1,1,2-Tetrachloroethane	8.557	131	1137	0.405 ug/L #	69
76) p/m Xylene	8.652	106	3973	0.699 ug/L	94
77) o Xylene	8.937	106	4088	0.756 ug/L	86

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N06.D
Acq On : 12 Oct 2022 08:56 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1699013,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:18:50 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:13:46 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.973	104	6415	0.696	ug/L		86
80) Bromoform	8.976	173	772	0.478	ug/L		79
82) Isopropylbenzene	9.146	105	4792	0.334	ug/L		94
84) Bromobenzene	9.366	156	1690	0.473	ug/L		96
85) n-Propylbenzene	9.405	91	6275	0.352	ug/L		93
86) 1,4-Dichlorobutane	9.411	55	1775	0.519	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.455	83	1214	0.502	ug/L		88
88) 4-Ethyltoluene	9.475	105	5023	0.348	ug/L		97
89) 2-Chlorotoluene	9.483	91	4743	0.400	ug/L		97
90) 1,3,5-Trimethylbenzene	9.530	105	3743	0.326	ug/L		90
91) 1,2,3-Trichloropropane	9.525	75	852	0.450	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.561	53	363	0.490	ug/L		89
93) 4-Chlorotoluene	9.592	91	4130M3	0.389	ug/L		
94) tert-Butylbenzene	9.715	119	3642	0.333	ug/L		97
97) 1,2,4-Trimethylbenzene	9.756	105	3856	0.343	ug/L		94
98) sec-Butylbenzene	9.823	105	4958	0.294	ug/L		98
99) p-Isopropyltoluene	9.910	119	4117	0.293	ug/L		92
100) 1,3-Dichlorobenzene	9.938	146	3206	0.434	ug/L		99
101) 1,4-Dichlorobenzene	9.988	146	3160	0.433	ug/L	#	65
102) p-Diethylbenzene	10.116	119	2606	0.327	ug/L		88
103) n-Butylbenzene	10.150	91	3880	0.303	ug/L		99
104) 1,2-Dichlorobenzene	10.228	146	2850	0.428	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.571	119	3484	0.341	ug/L		99
106) 1,2-Dibromo-3-chloropr...	10.682	155	144	0.380	ug/L	#	63
107) 1,3,5-Trichlorobenzene	10.699	180	2337	0.437	ug/L		90
108) Hexachlorobutadiene	11.045	225	938	0.400	ug/L		93
109) 1,2,4-Trichlorobenzene	11.056	180	2197	0.487	ug/L		86
110) Naphthalene	11.240	128	3791	0.471	ug/L		100
111) 1,2,3-Trichlorobenzene	11.340	180	2079	0.480	ug/L	#	92

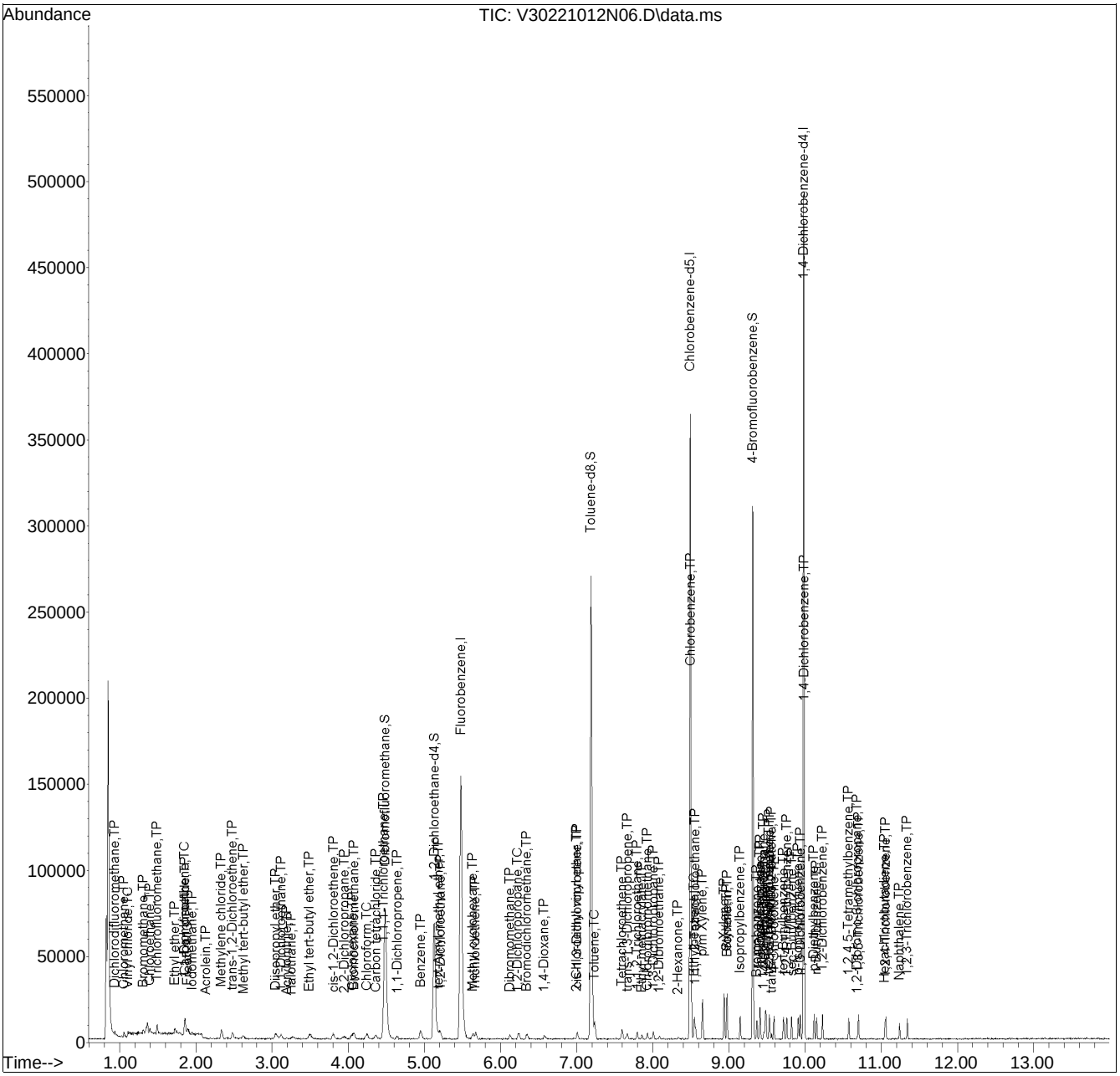
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N06.D
Acq On : 12 Oct 2022 08:56 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1699013,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:18:50 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:13:46 2022
Response via : Initial Calibration

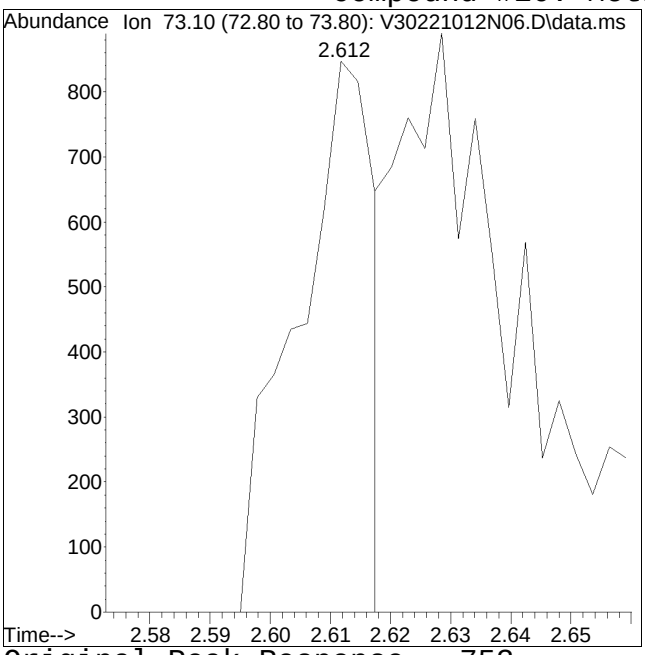
Sub List : 8260-Curve - Megamix plus Diox21012N-ICAL\V30221012N09.D•

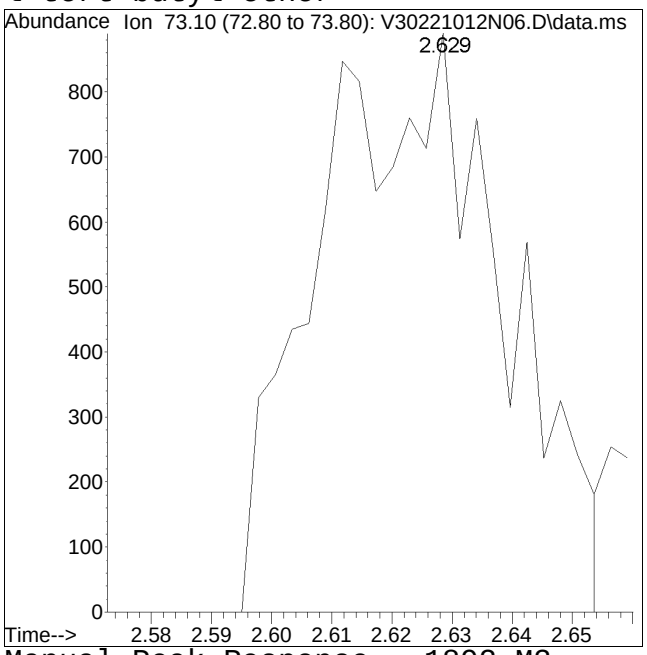


Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #20: Methyl tert-butyl ether





Original Peak Response = 753 Manual Peak Response = 1892 M3

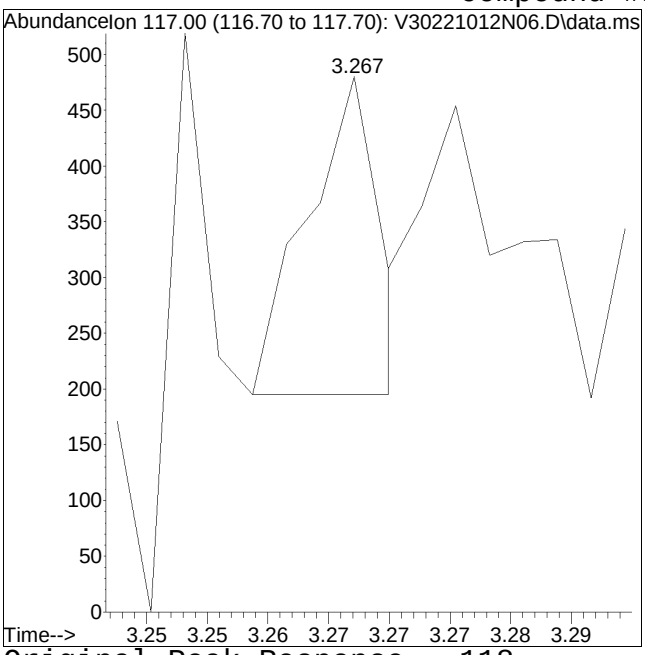
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

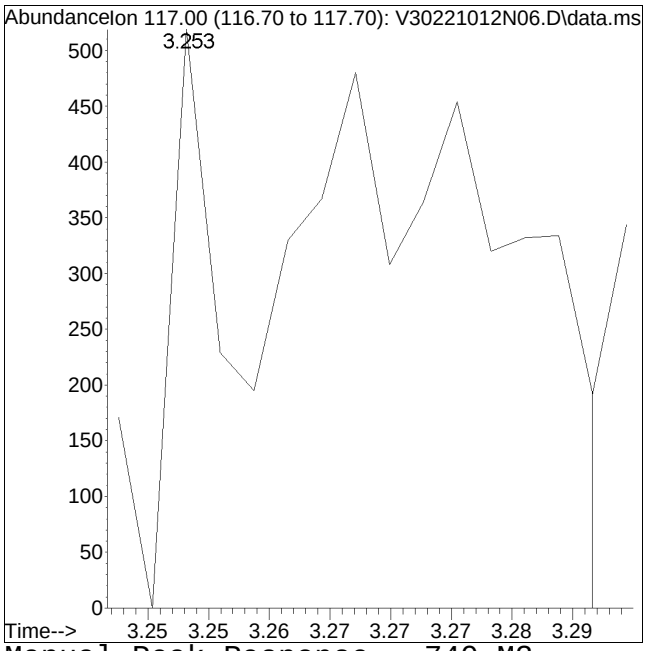
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N06.D
Date Inj'd : 10/12/2022 8:56 pm
Sample : I8260STD0.5PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:14 am

Compound #24: Halothane



Original Peak Response = 118



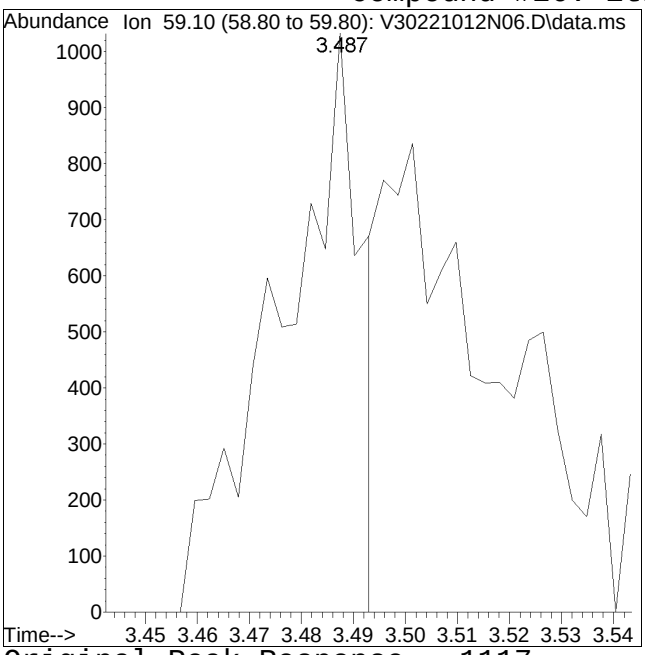
Manual Peak Response = 740 M3

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

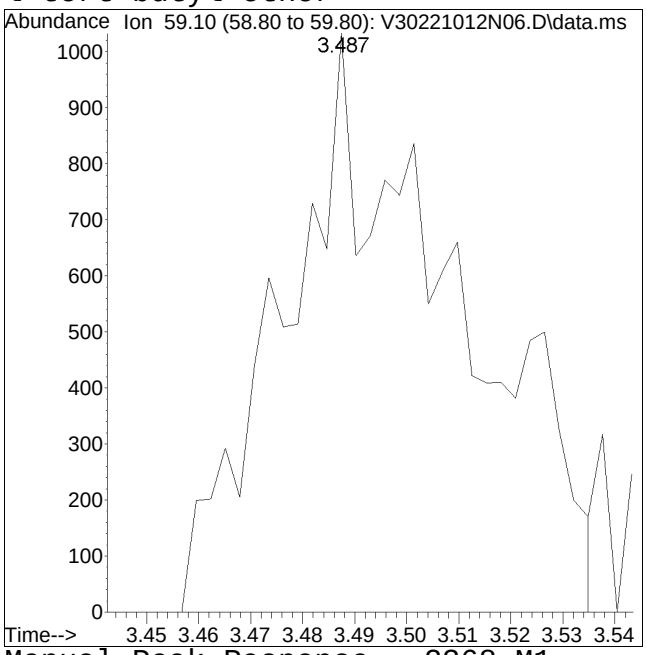
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 1117



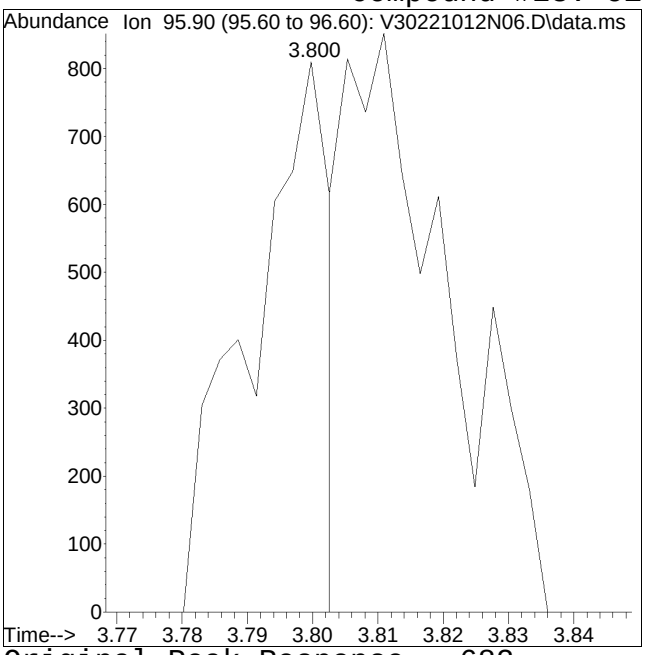
Manual Peak Response = 2368 M1

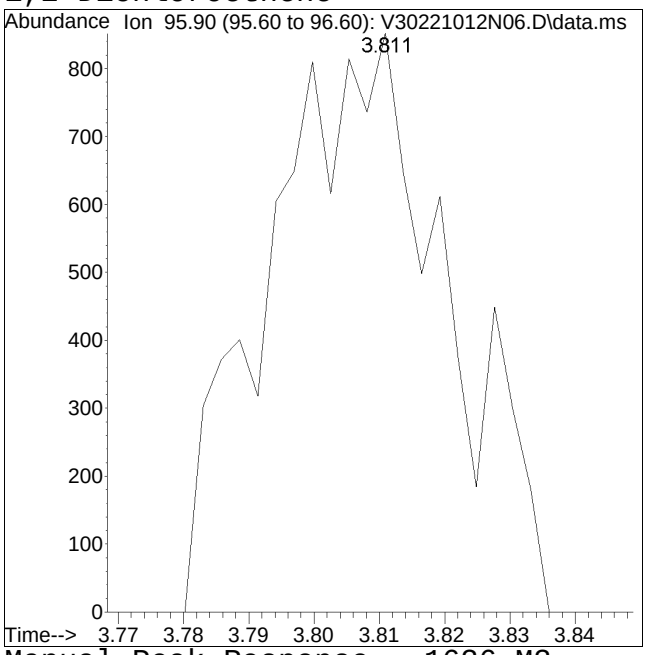
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #28: cis-1,2-Dichloroethene





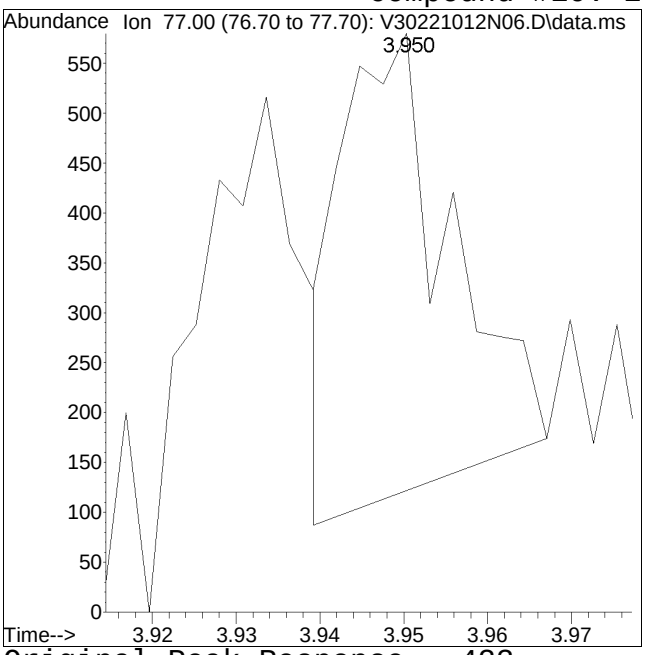
Original Peak Response = 682 Manual Peak Response = 1626 M3

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

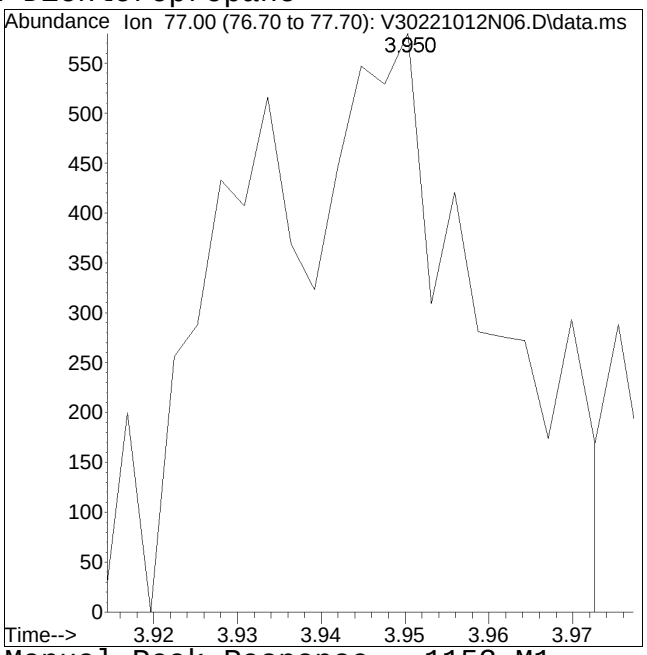
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 423



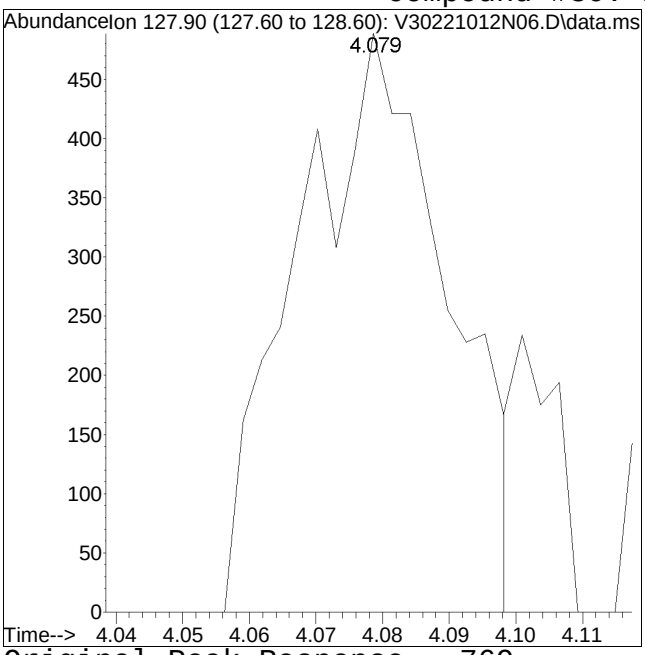
Manual Peak Response = 1153 M1

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

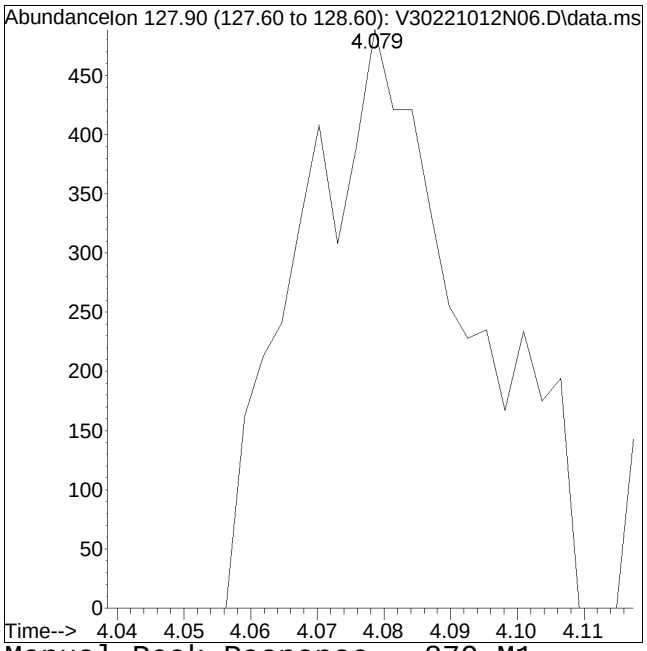
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #30: Bromochloromethane



Original Peak Response = 769



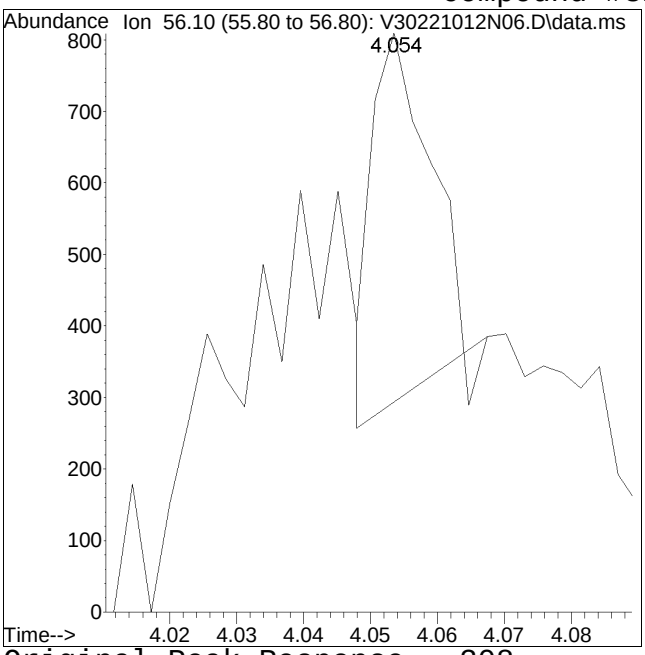
Manual Peak Response = 870 M1

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

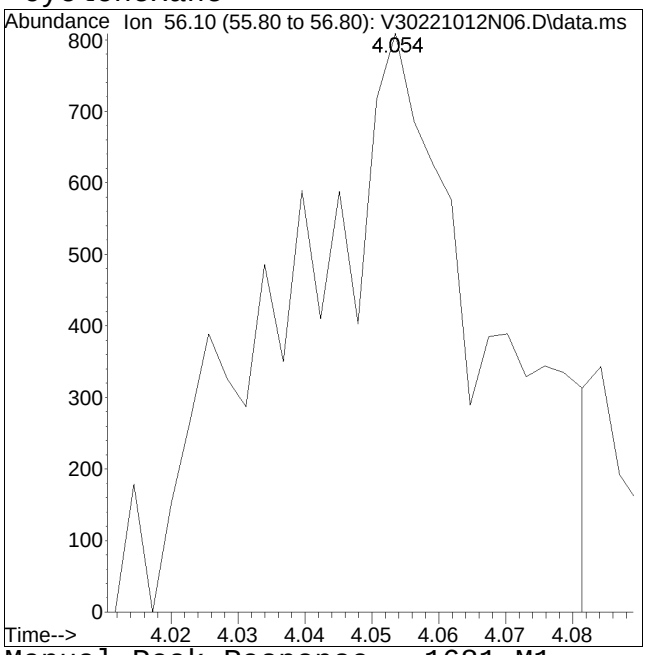
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #31: Cyclohexane



Original Peak Response = 308



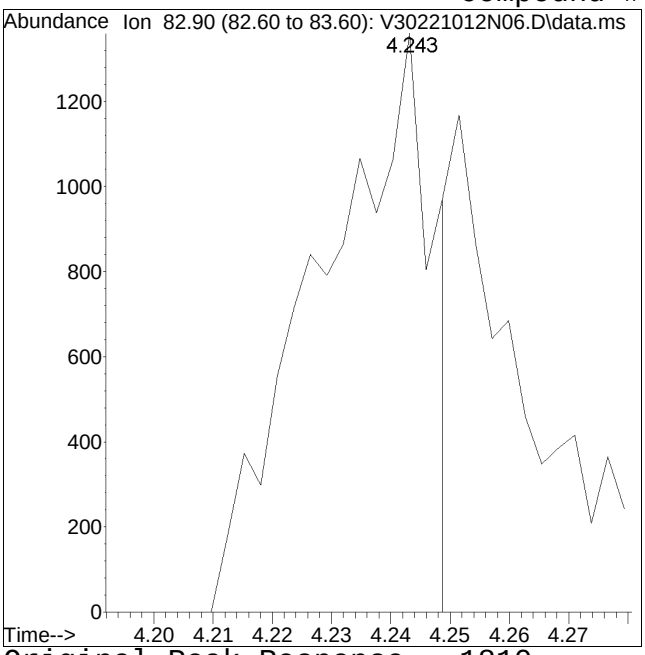
Manual Peak Response = 1681 M1

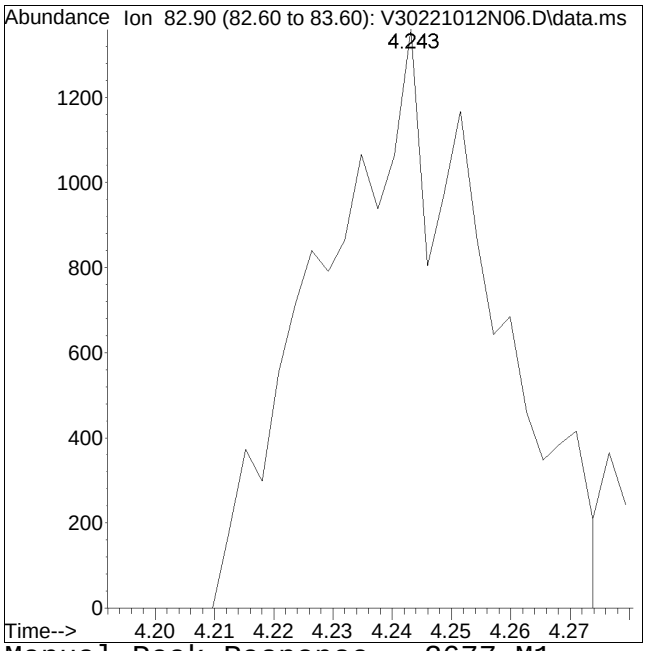
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #32: Chloroform



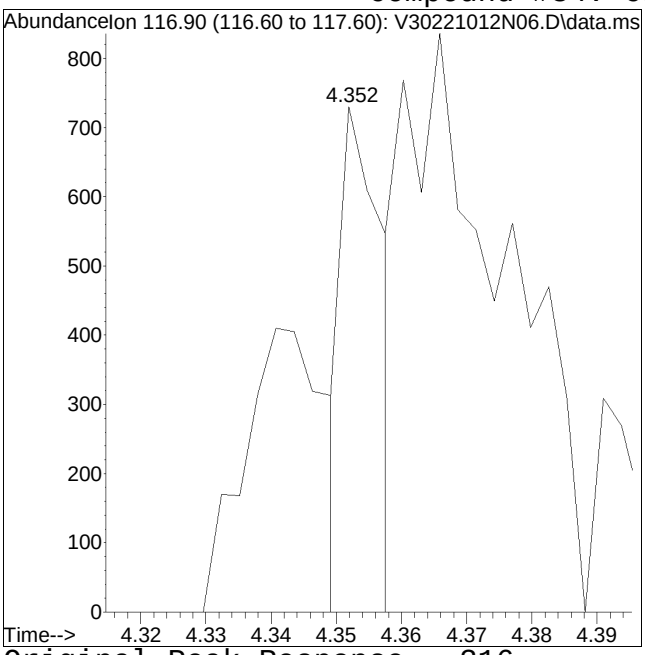


Original Peak Response = 1810 Manual Peak Response = 2677 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

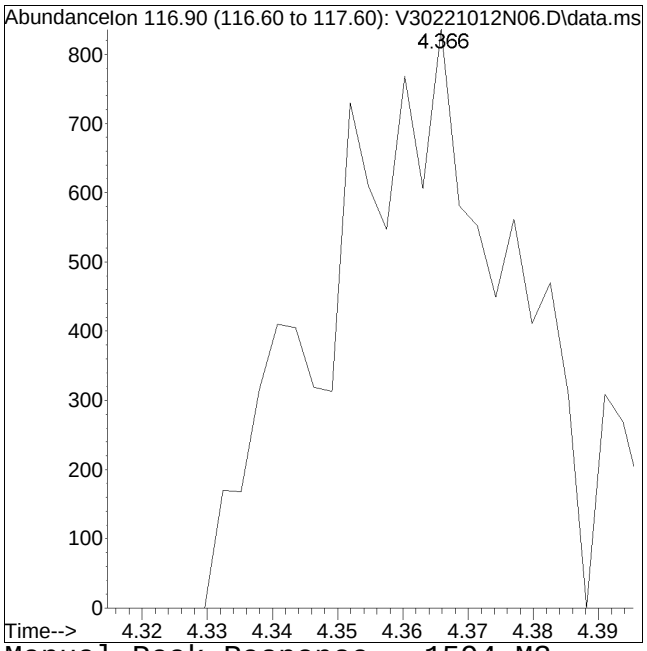
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #34: Carbon tetrachloride



Original Peak Response = 316



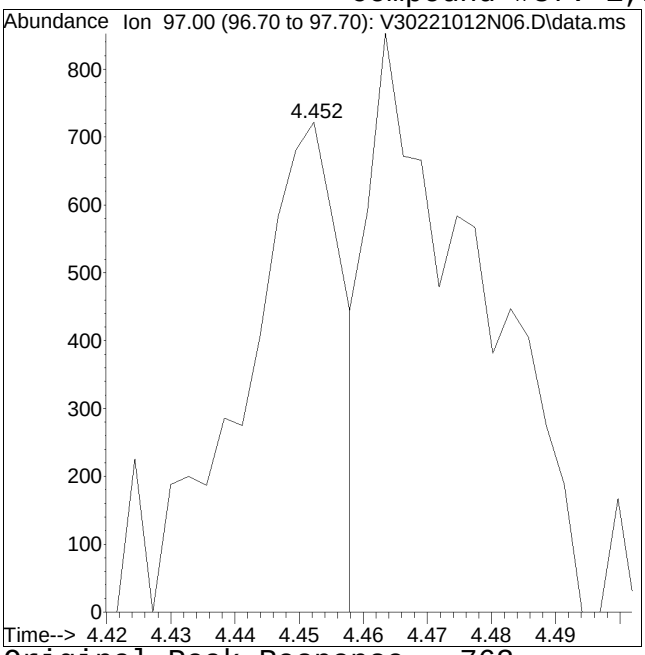
Manual Peak Response = 1594 M3

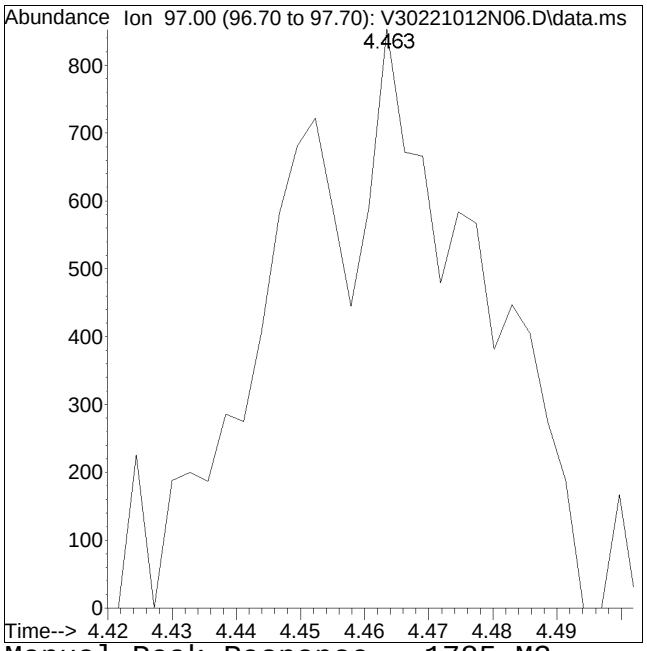
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #37: 1,1,1-Trichloroethane





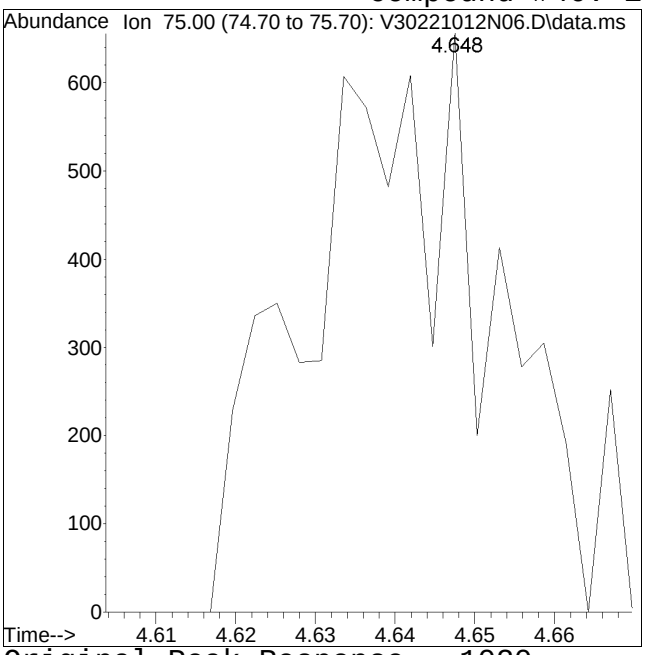
Original Peak Response = 763 Manual Peak Response = 1785 M3

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

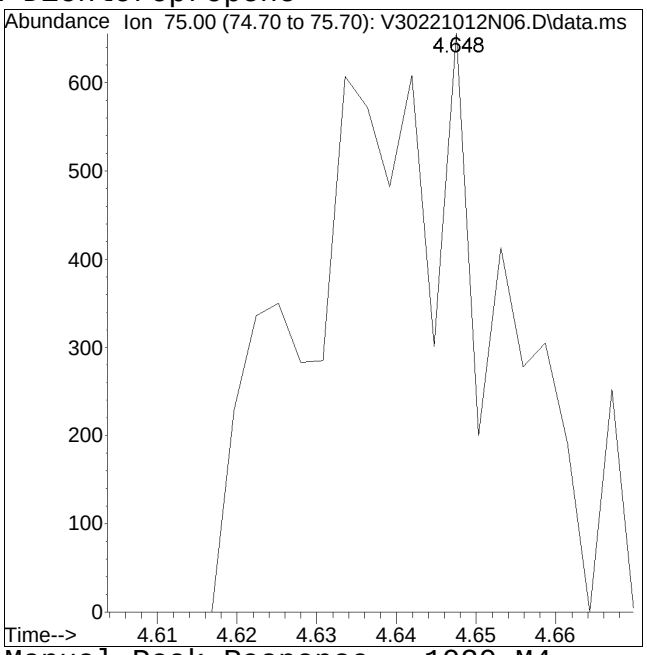
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 1020



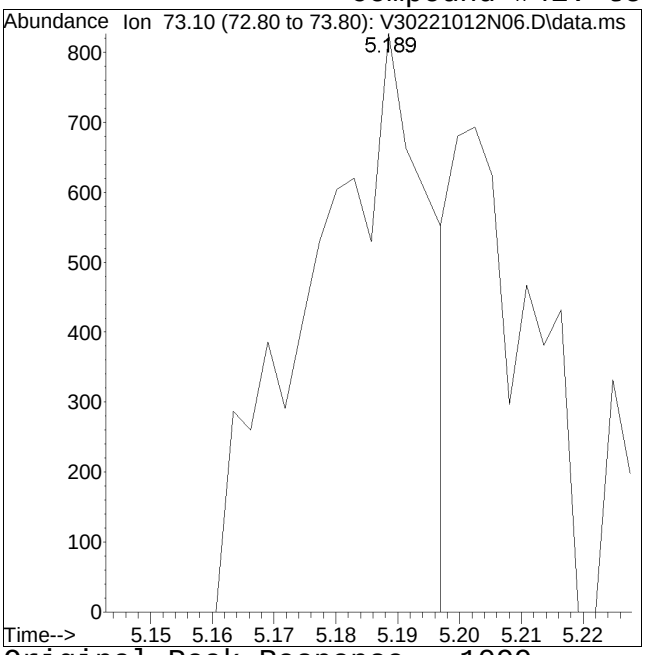
Manual Peak Response = 1020 M4

M4 = Poor automated baseline construction.

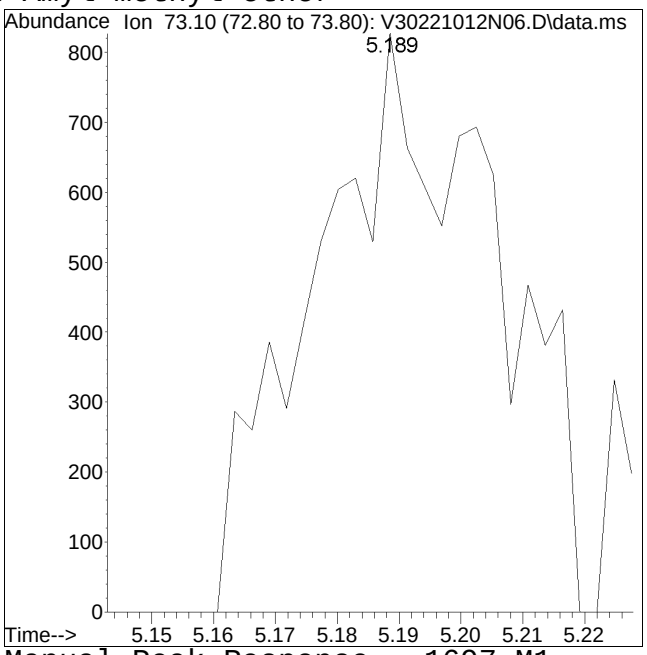
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 1099



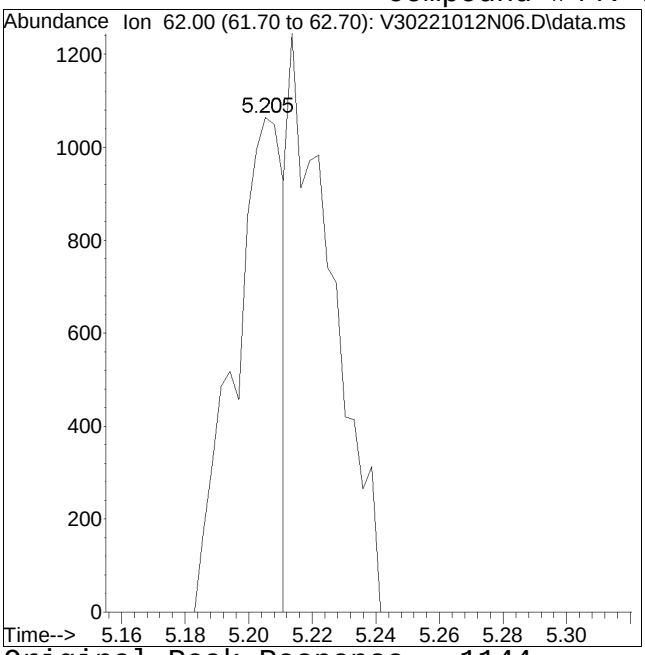
Manual Peak Response = 1697 M1

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

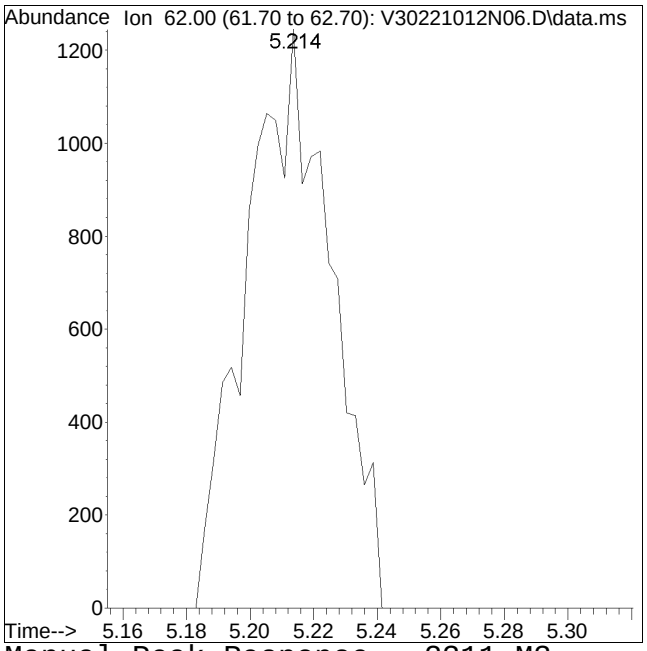
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 1144



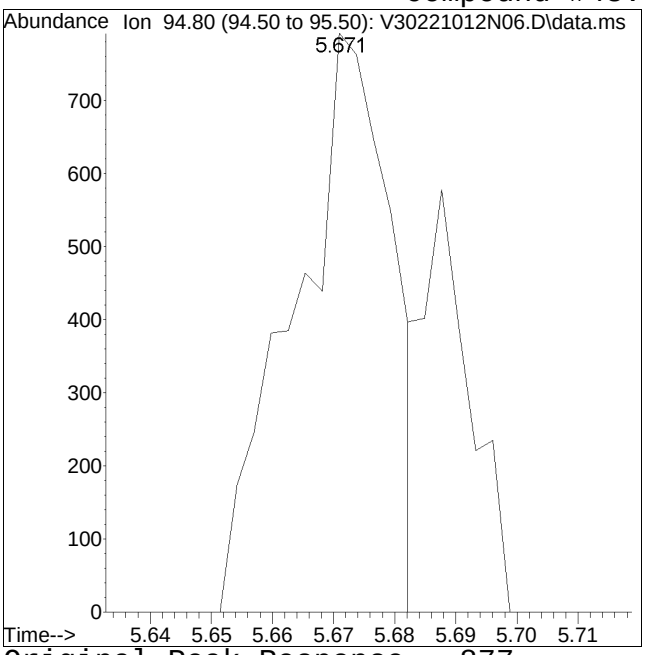
Manual Peak Response = 2311 M3

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

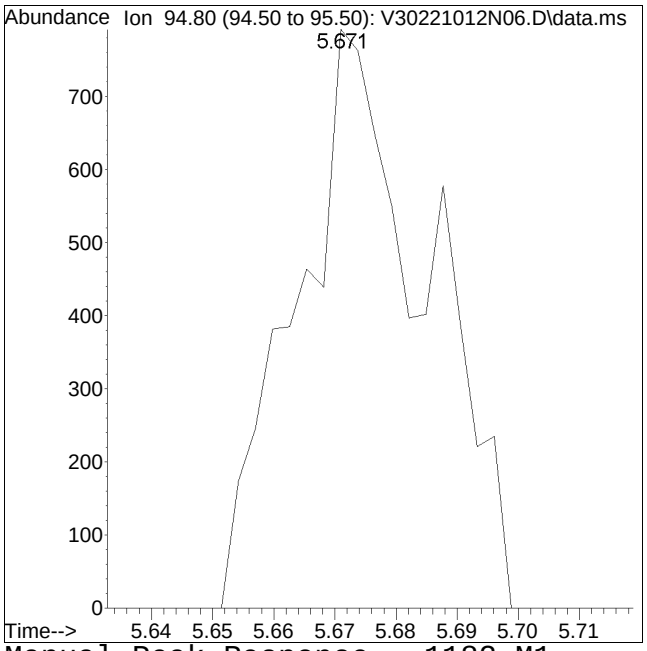
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #48: Trichloroethene



Original Peak Response = 877



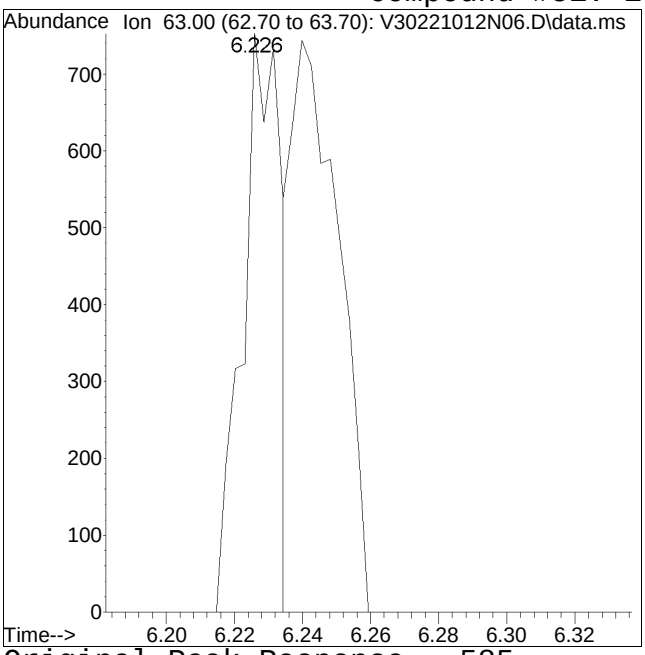
Manual Peak Response = 1182 M1

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

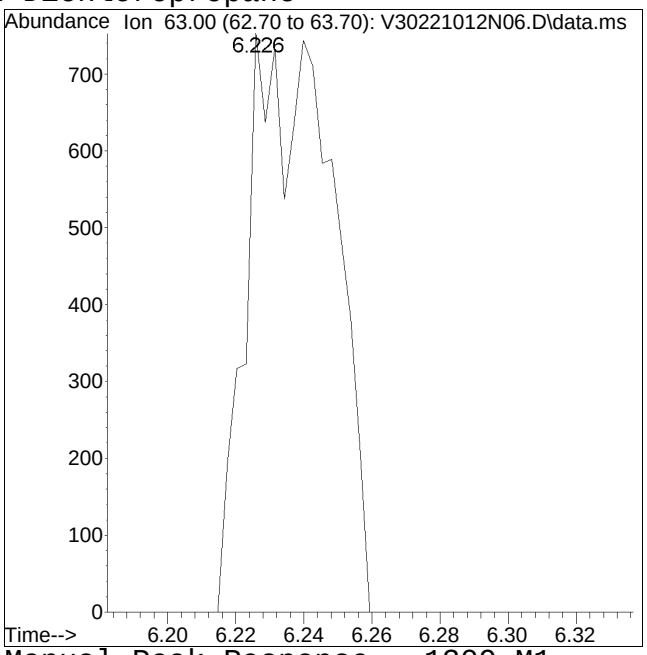
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #51: 1,2-Dichloropropane



Original Peak Response = 585



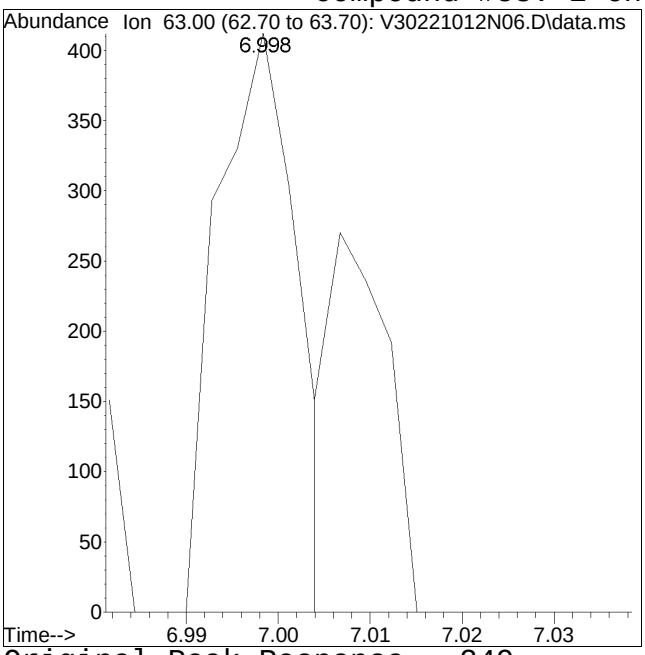
Manual Peak Response = 1309 M1

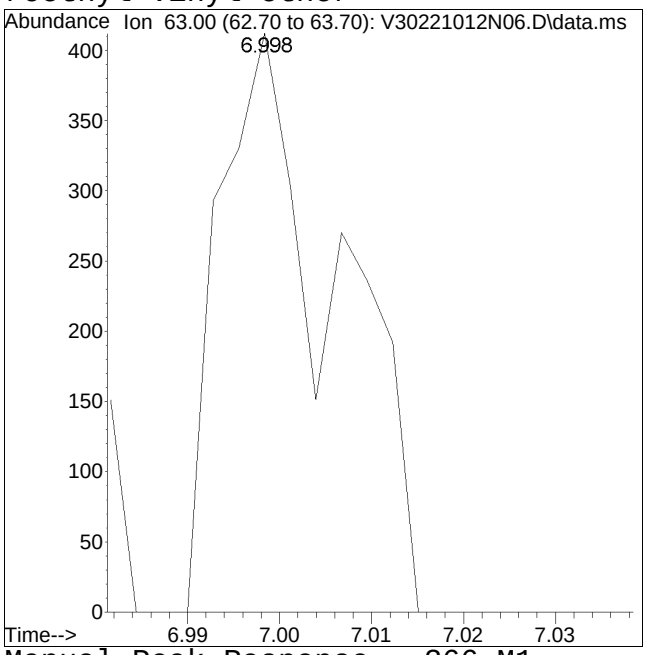
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #53: 2-Chloroethyl vinyl ether



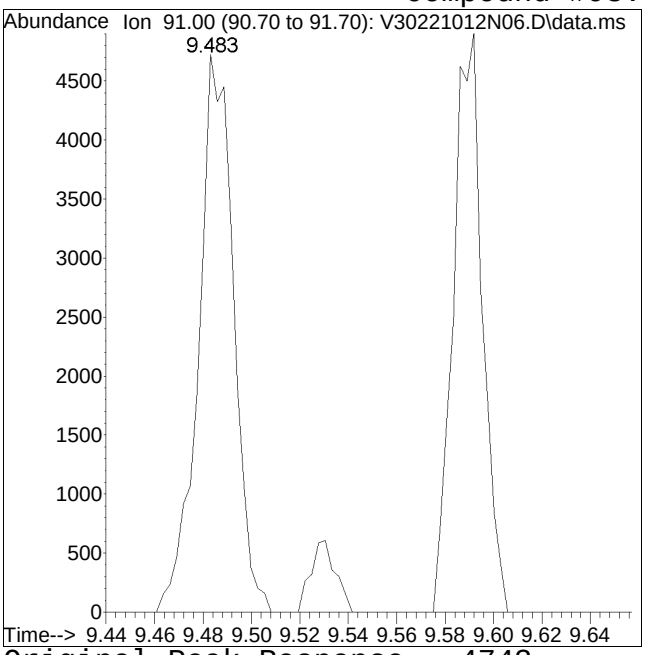


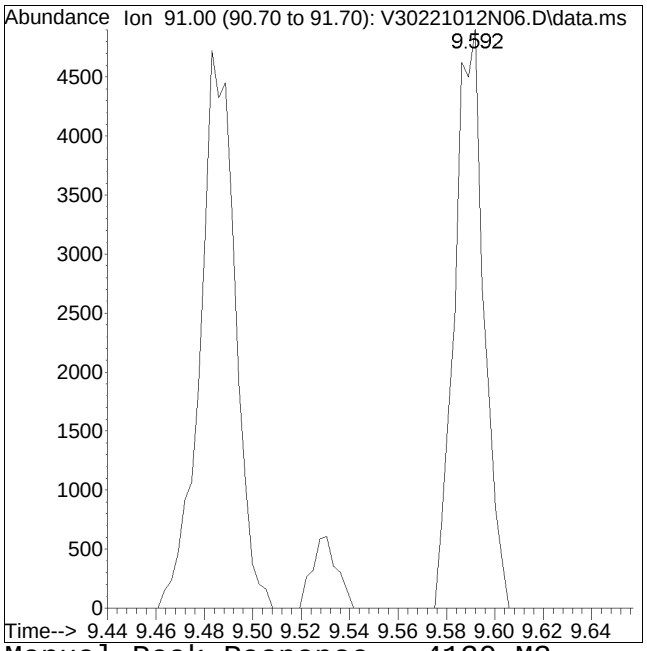
Original Peak Response = 249 Manual Peak Response = 366 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N06.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 8:56 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 10/13/2022 11:14 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 4743 Manual Peak Response = 4130 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N08.D
Acq On : 12 Oct 2022 09:35 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1699013,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 11:28:04 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:26:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.479	96	155650	10.000	ug/L	0.00
Standard Area 1 = 177813			Recovery = 87.54%			
59) Chlorobenzene-d5	8.490	117	122440	10.000	ug/L	0.00
Standard Area 1 = 131094			Recovery = 93.40%			
79) 1,4-Dichlorobenzene-d4	9.979	152	69752	10.000	ug/L	0.00
Standard Area 1 = 71103			Recovery = 98.10%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.486	113	54444	10.225	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.25%			
43) 1,2-Dichloroethane-d4	5.130	65	55413	10.397	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.97%			
60) Toluene-d8	7.188	98	153849	10.059	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.59%			
83) 4-Bromofluorobenzene	9.310	95	55481	9.739	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.39%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.936	85	6903	2.707	ug/L	95
3) Chloromethane	1.058	50	8564	2.421	ug/L	96
4) Vinyl chloride	1.106	62	9471	2.597	ug/L	97
5) Bromomethane	1.309	94	4887	2.431	ug/L	97
6) Chloroethane	1.393	64	7412	2.652	ug/L	98
7) Trichlorofluoromethane	1.491	101	14458	2.413	ug/L	95
8) Ethyl ether	1.725	74	3902	2.437	ug/L #	84
10) 1,1-Dichloroethene	1.853	96	9026	2.560	ug/L #	74
11) Carbon disulfide	1.856	76	22453	2.556	ug/L	99
12) Freon-113	1.892	101	9477	2.911	ug/L	99
13) Iodomethane	1.948	142	4635	2.252	ug/L	88
14) Acrolein	2.121	56	809	2.212	ug/L #	79
15) Methylene chloride	2.333	84	8247	2.318	ug/L	82
17) Acetone	2.394	43	1612M1	2.610	ug/L	
18) trans-1,2-Dichloroethene	2.481	96	7634	2.520	ug/L	77
19) Methyl acetate	2.528	43	3183	2.264	ug/L #	87
20) Methyl tert-butyl ether	2.617	73	9690	2.279	ug/L #	83
21) tert-Butyl alcohol	2.779	59	1089M3	11.349	ug/L	
22) Diisopropyl ether	3.044	45	15681M1	2.309	ug/L	
23) 1,1-Dichloroethane	3.119	63	14651	2.510	ug/L	98
24) Halothane	3.270	117	5531	2.652	ug/L #	77

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N08.D
Acq On : 12 Oct 2022 09:35 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1699013,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 11:28:04 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:26:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.183	53	1678M1	3.131	ug/L		
26) Ethyl tert-butyl ether	3.496	59	12378	2.274	ug/L	#	84
27) Vinyl acetate	3.493	43	8798M1	2.119	ug/L		
28) cis-1,2-Dichloroethene	3.808	96	8410M3	2.441	ug/L		
29) 2,2-Dichloropropane	3.945	77	8076	2.762	ug/L	#	75
30) Bromochloromethane	4.076	128	4205	2.374	ug/L	#	66
31) Cyclohexane	4.051	56	11244M1	2.452	ug/L		
32) Chloroform	4.240	83	14773	2.584	ug/L	#	76
33) Ethyl acetate	4.505	43	3003	2.120	ug/L	#	73
34) Carbon tetrachloride	4.357	117	10126M1	2.771	ug/L		
35) Tetrahydrofuran	4.436	42	927M1	1.700	ug/L		
37) 1,1,1-Trichloroethane	4.466	97	11213M3	2.650	ug/L		
39) 2-Butanone	4.684	43	1365M1	2.015	ug/L		
40) 1,1-Dichloropropene	4.642	75	7580	2.520	ug/L	#	82
41) Benzene	4.946	78	25766	2.482	ug/L	#	69
42) tert-Amyl methyl ether	5.180	73	8771	2.293	ug/L	#	71
44) 1,2-Dichloroethane	5.214	62	10040	2.240	ug/L		99
47) Methyl cyclohexane	5.632	83	8781	2.375	ug/L		84
48) Trichloroethene	5.674	95	6706	2.451	ug/L		92
50) Dibromomethane	6.123	93	4274	2.364	ug/L		94
51) 1,2-Dichloropropane	6.237	63	6700	2.286	ug/L		96
53) 2-Chloroethyl vinyl ether	6.998	63	2430	2.555	ug/L	#	75
54) Bromodichloromethane	6.349	83	10697	2.412	ug/L		96
57) 1,4-Dioxane	6.566	88	5941M1	467.480	ug/L		
58) cis-1,3-Dichloropropene	7.012	75	8217	2.199	ug/L		99
61) Toluene	7.238	92	15622	2.296	ug/L		97
62) 4-Methyl-2-pentanone	7.651	58	1103	2.227	ug/L		98
63) Tetrachloroethene	7.592	166	6600	2.324	ug/L		90
65) trans-1,3-Dichloropropene	7.662	75	6237	2.141	ug/L		98
67) Ethyl methacrylate	7.860	69	4020	2.262	ug/L		95
68) 1,1,2-Trichloroethane	7.799	83	3758	2.263	ug/L		91
69) Chlorodibromomethane	7.927	129	6190	2.141	ug/L		95
70) 1,3-Dichloropropane	8.005	76	7907	2.200	ug/L		98
71) 1,2-Dibromoethane	8.089	107	4234	2.165	ug/L		96
72) 2-Hexanone	8.334	43	1801	1.925	ug/L		95
73) Chlorobenzene	8.501	112	18500	2.292	ug/L		95
74) Ethylbenzene	8.543	91	28695	2.344	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.560	131	5881	2.300	ug/L		95
76) p/m Xylene	8.652	106	22244	4.578	ug/L		93
77) o Xylene	8.937	106	21498	4.500	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N08.D
Acq On : 12 Oct 2022 09:35 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1699013,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 11:28:04 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:26:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	8.973	104	37105	4.718	ug/L	88
80) Bromoform	8.976	173	3351	1.987	ug/L	97
82) Isopropylbenzene	9.146	105	29636	2.321	ug/L	97
84) Bromobenzene	9.363	156	8174	2.203	ug/L	98
85) n-Propylbenzene	9.405	91	36714	2.264	ug/L	96
86) 1,4-Dichlorobutane	9.408	55	7546	2.029	ug/L	97
87) 1,1,2,2-Tetrachloroethane	9.458	83	5589	2.161	ug/L	97
88) 4-Ethyltoluene	9.475	105	29536	2.261	ug/L	95
89) 2-Chlorotoluene	9.486	91	26088	2.289	ug/L	92
90) 1,3,5-Trimethylbenzene	9.530	105	22905	2.262	ug/L	92
91) 1,2,3-Trichloropropane	9.525	75	3867	2.014	ug/L	92
92) trans-1,4-Dichloro-2-b...	9.558	53	1635	2.089	ug/L	86
93) 4-Chlorotoluene	9.589	91	22919	2.276	ug/L	89
94) tert-Butylbenzene	9.715	119	22584	2.323	ug/L	98
97) 1,2,4-Trimethylbenzene	9.756	105	21902	2.166	ug/L	91
98) sec-Butylbenzene	9.821	105	34070	2.385	ug/L	96
99) p-Isopropyltoluene	9.907	119	27360	2.299	ug/L	94
100) 1,3-Dichlorobenzene	9.932	146	16737	2.274	ug/L	96
101) 1,4-Dichlorobenzene	9.988	146	16849	2.318	ug/L	98
102) p-Diethylbenzene	10.116	119	15444	2.195	ug/L	94
103) n-Butylbenzene	10.150	91	25118	2.291	ug/L	98
104) 1,2-Dichlorobenzene	10.228	146	15613	2.368	ug/L	97
105) 1,2,4,5-Tetramethylben...	10.573	119	19943	2.173	ug/L	96
106) 1,2-Dibromo-3-chloropr...	10.682	155	885	2.486	ug/L	88
107) 1,3,5-Trichlorobenzene	10.699	180	11734	2.195	ug/L	94
108) Hexachlorobutadiene	11.048	225	4949	2.198	ug/L	96
109) 1,2,4-Trichlorobenzene	11.059	180	10104	2.126	ug/L	98
110) Naphthalene	11.240	128	17070	2.046	ug/L	100
111) 1,2,3-Trichlorobenzene	11.340	180	9906	2.187	ug/L	98

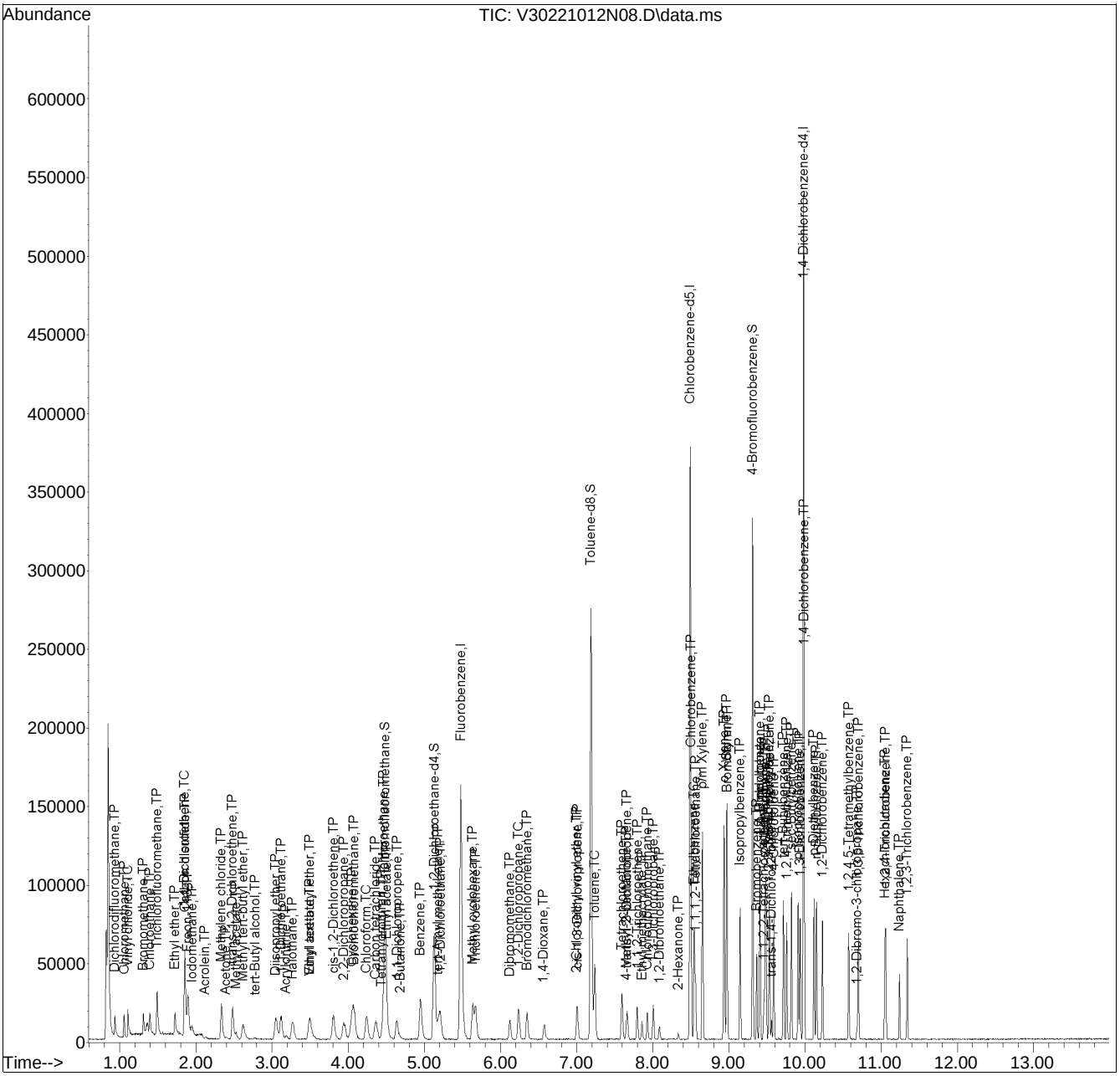
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N08.D
Acq On : 12 Oct 2022 09:35 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1699013,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 11:28:04 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:26:44 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21012N-ICAL\V30221012N09.D•

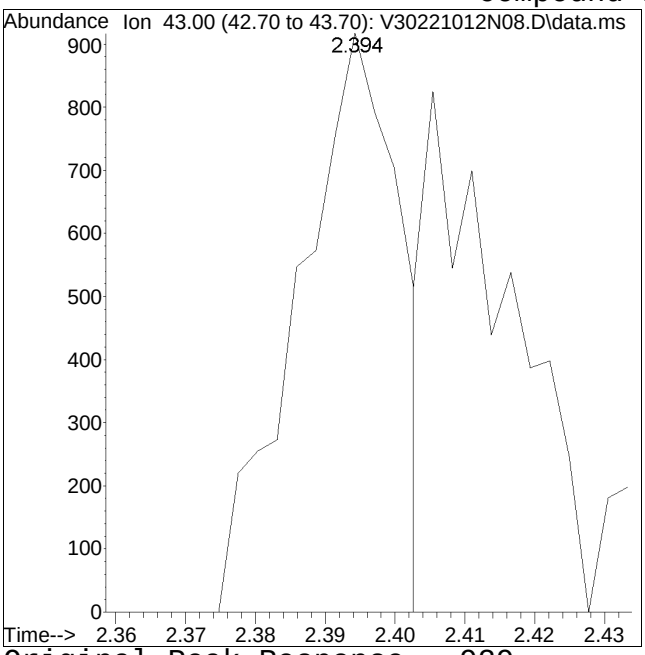


Manual Integration Report

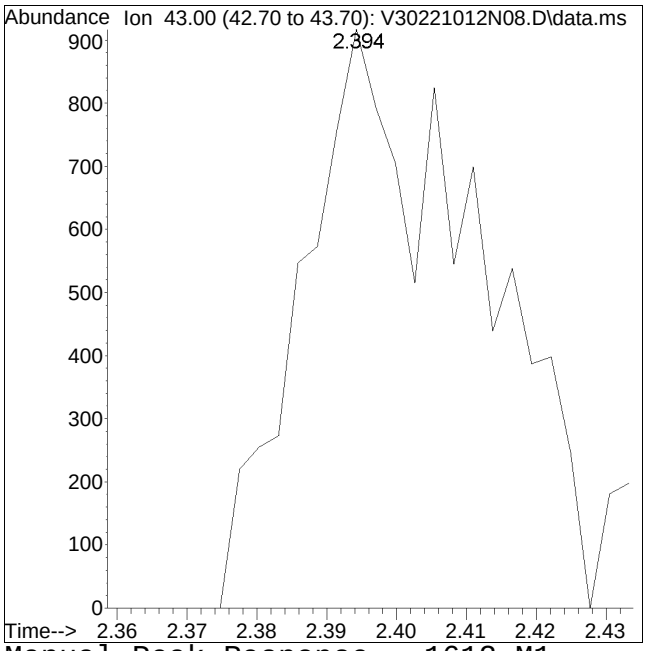
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N08.D
Date Inj'd : 10/12/2022 9:35 pm
Sample : I8260STD2PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:26 am

Compound #17: Acetone



Original Peak Response = 929



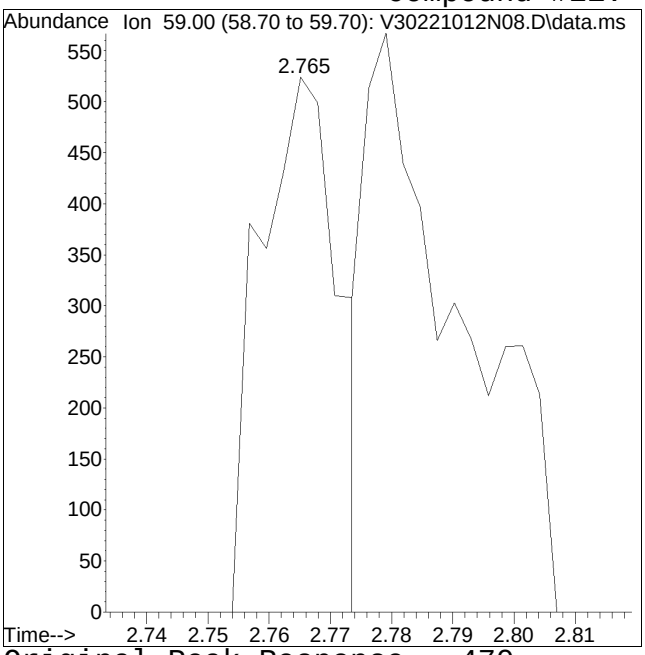
Manual Peak Response = 1612 M1

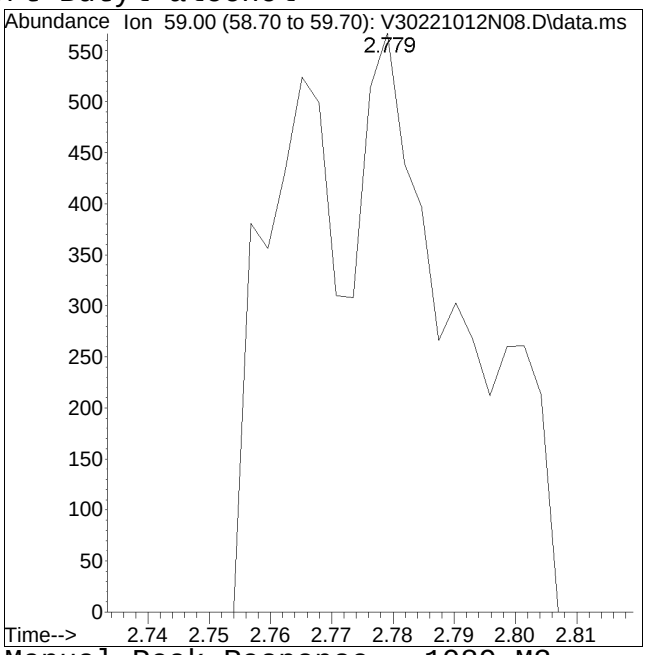
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N08.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:35 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 10/13/2022 11:26 am

Compound #21: tert-Butyl alcohol





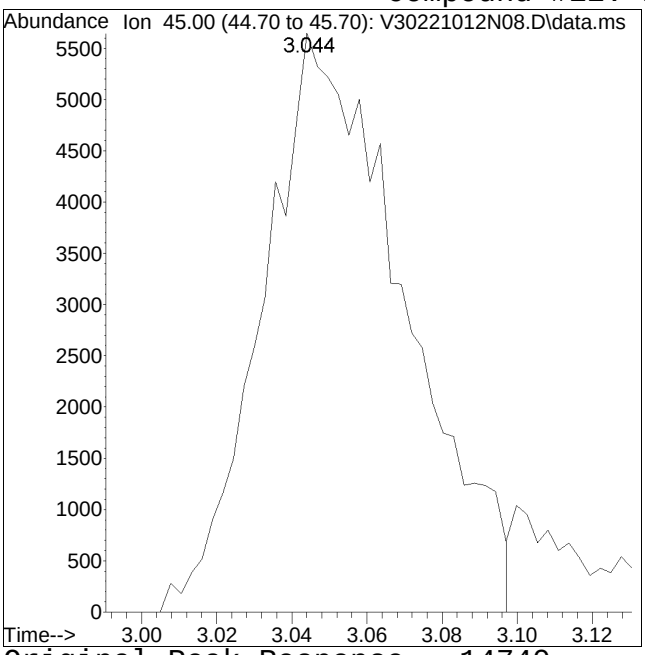
Original Peak Response = 470 Manual Peak Response = 1089 M3

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

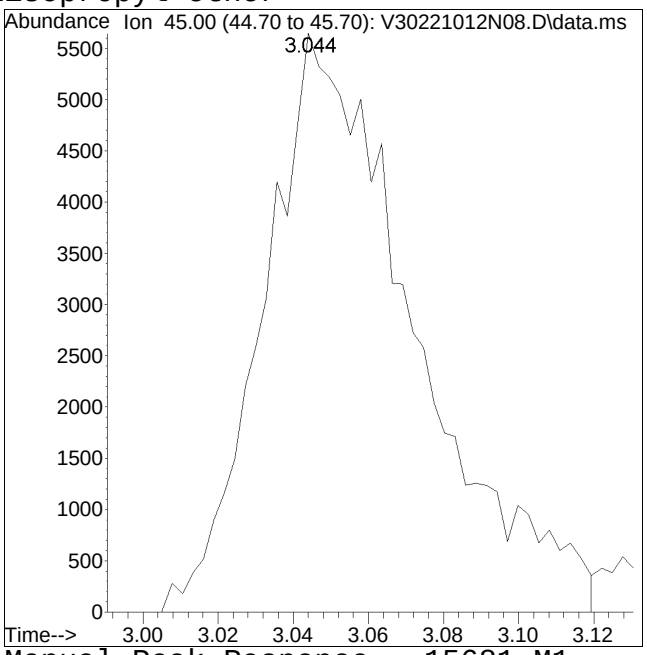
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N08.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:35 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 10/13/2022 11:26 am

Compound #22: Diisopropyl ether



Original Peak Response = 14740



Manual Peak Response = 15681 M1

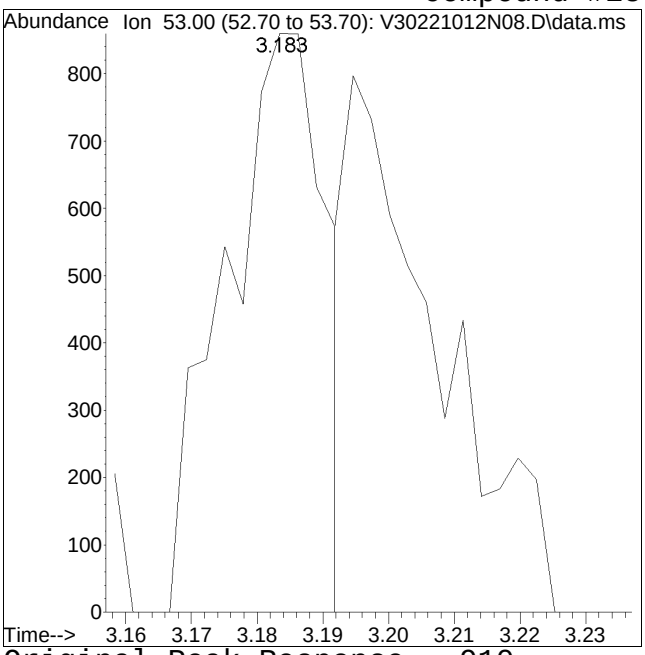
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

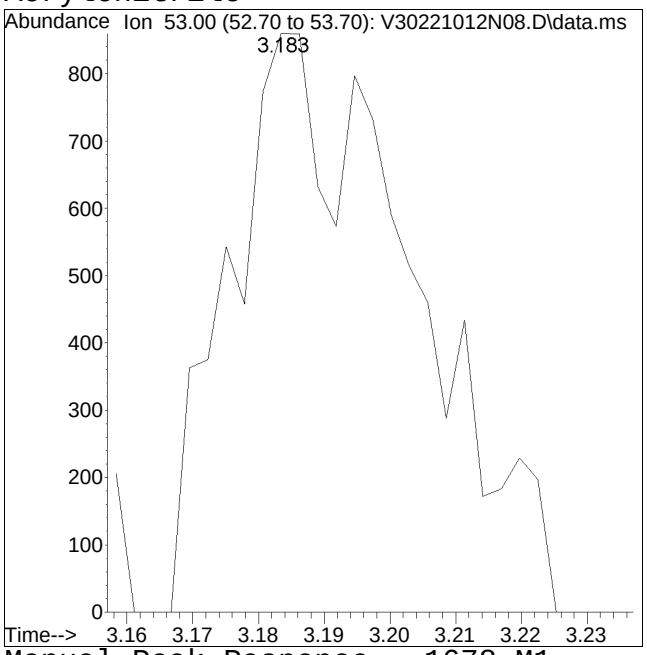
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N08.D
Date Inj'd : 10/12/2022 9:35 pm
Sample : I8260STD2PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:26 am

Compound #25: Acrylonitrile



Original Peak Response = 910



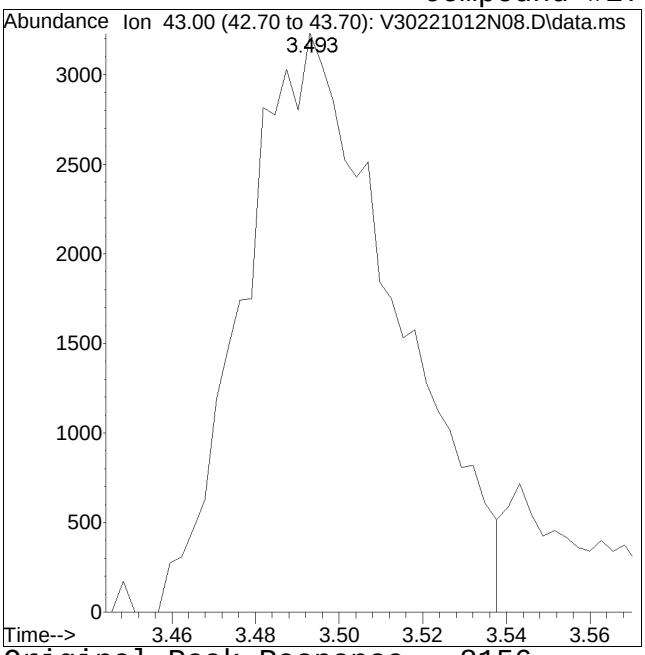
Manual Peak Response = 1678 M1

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

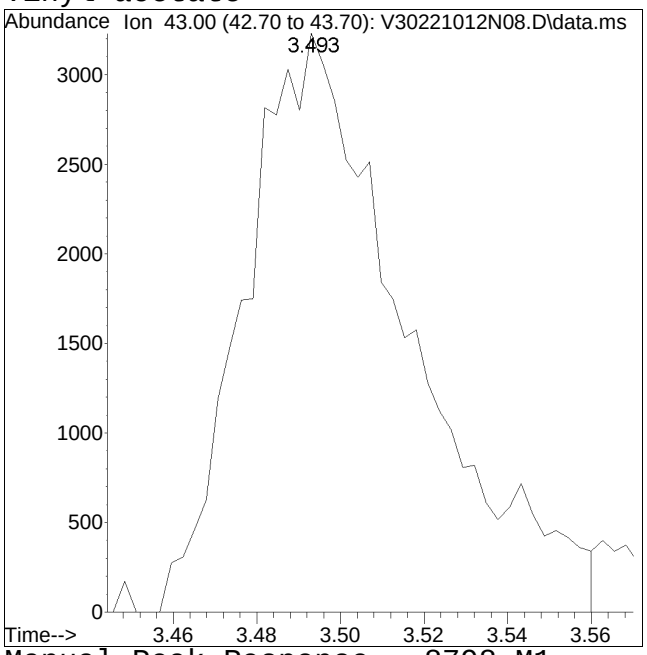
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N08.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:35 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 10/13/2022 11:26 am

Compound #27: Vinyl acetate



Original Peak Response = 8156



Manual Peak Response = 8798 M1

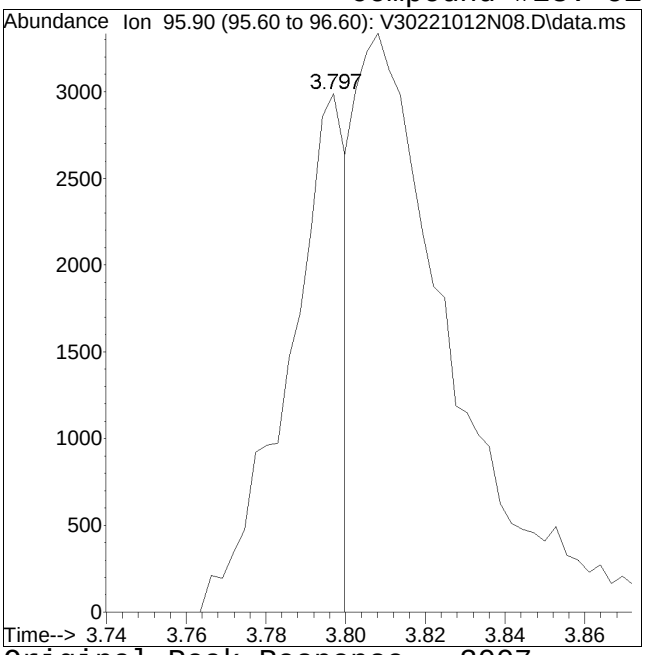
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

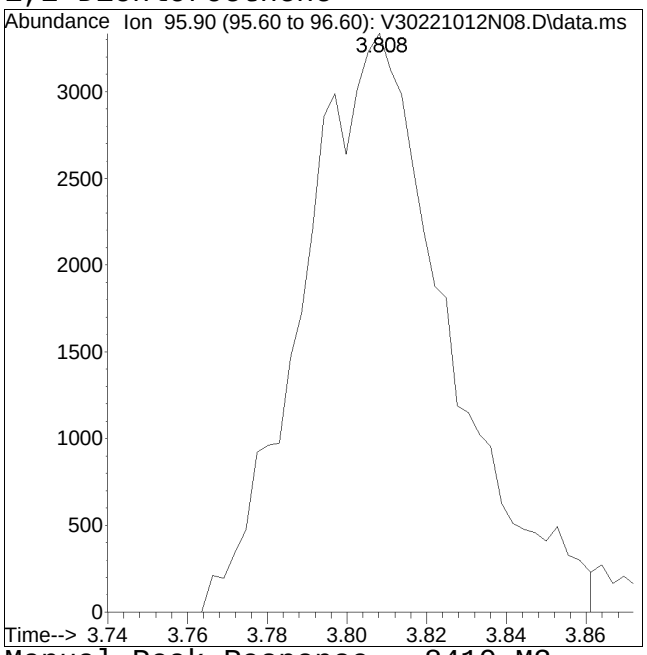
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N08.D
Date Inj'd : 10/12/2022 9:35 pm
Sample : I8260STD2PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:26 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 3007



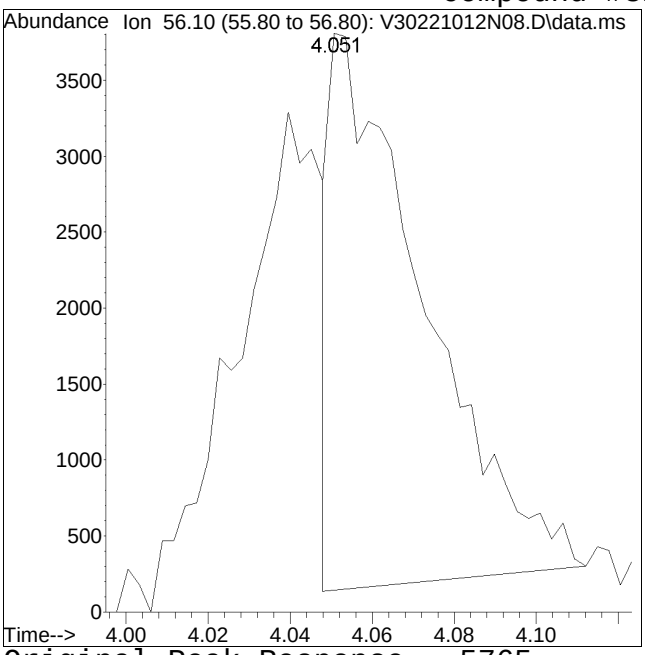
Manual Peak Response = 8410 M3

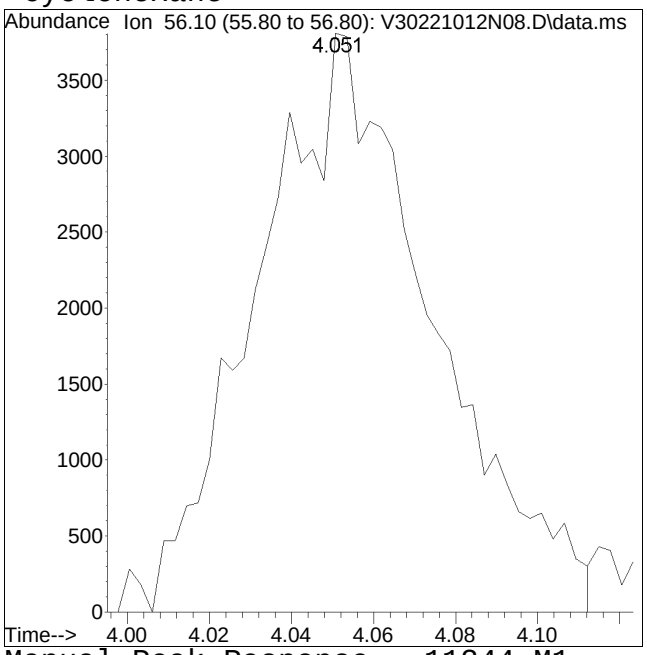
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N08.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:35 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 10/13/2022 11:26 am

Compound #31: Cyclohexane





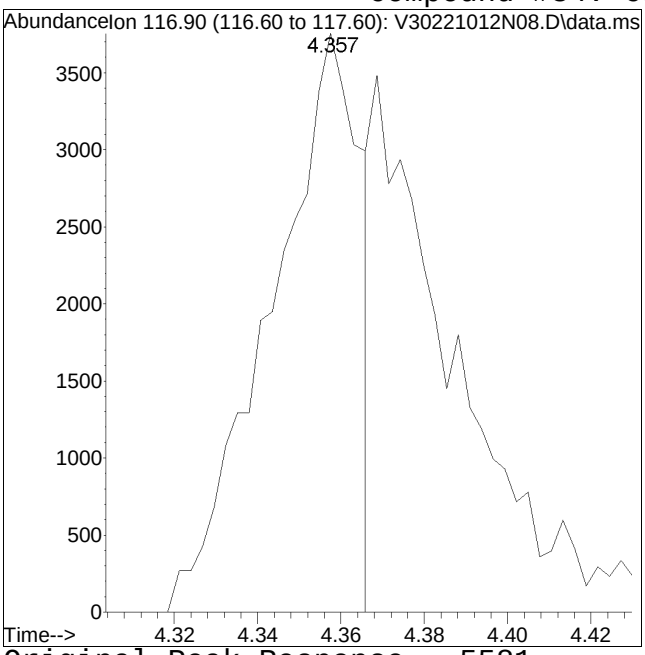
Original Peak Response = 5765 Manual Peak Response = 11244 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

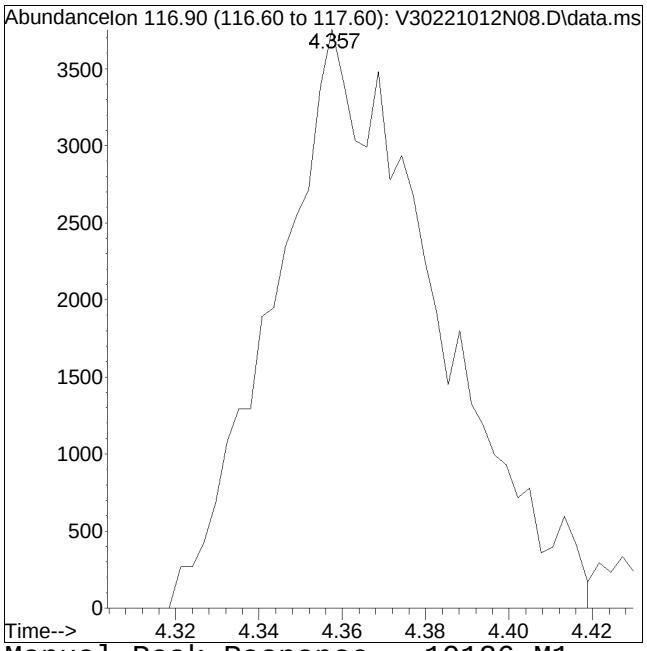
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N08.D
Date Inj'd : 10/12/2022 9:35 pm
Sample : I8260STD2PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:26 am

Compound #34: Carbon tetrachloride





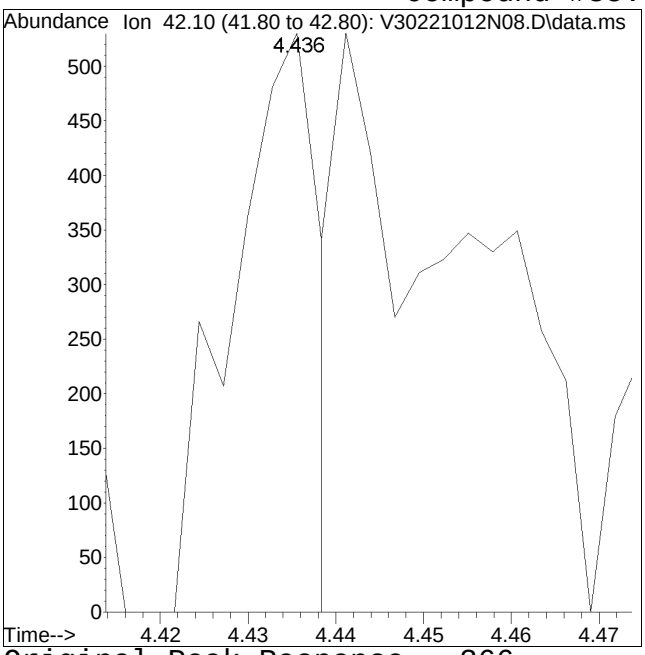
Original Peak Response = 5581 Manual Peak Response = 10126 M1

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

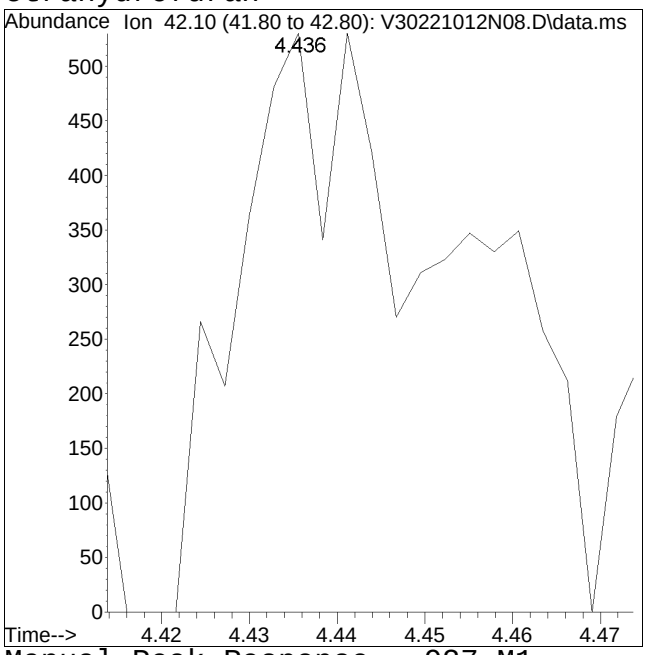
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N08.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:35 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 10/13/2022 11:26 am

Compound #35: Tetrahydrofuran



Original Peak Response = 366



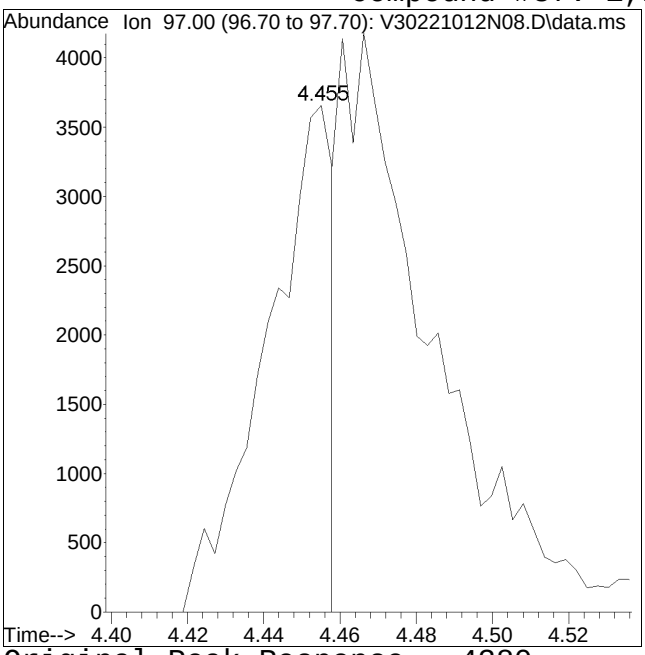
Manual Peak Response = 927 M1

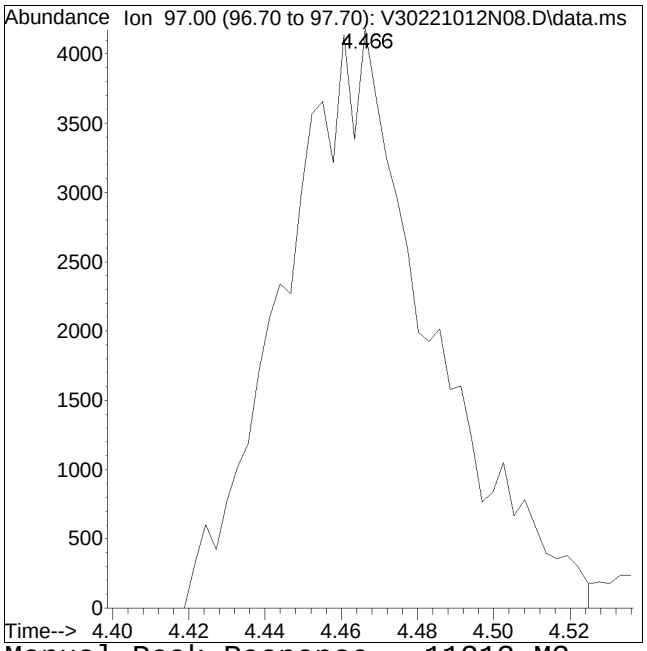
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N08.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:35 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 10/13/2022 11:26 am

Compound #37: 1,1,1-Trichloroethane



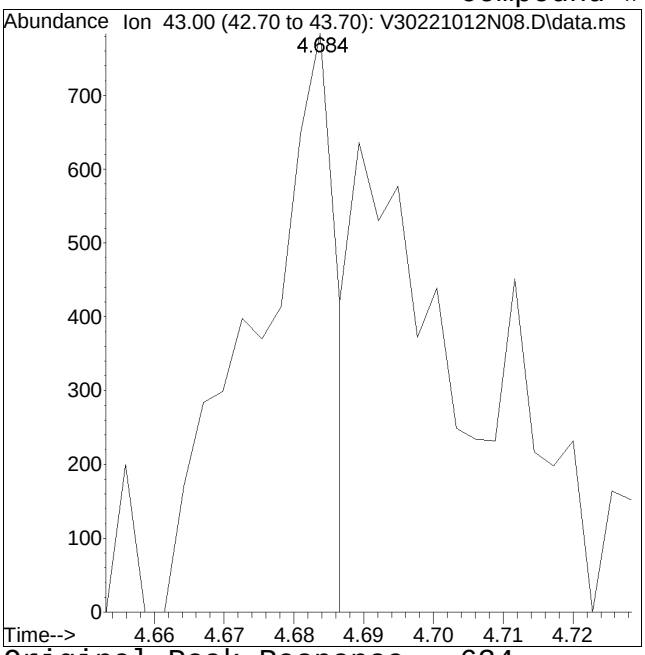


Original Peak Response = 4380 Manual Peak Response = 11213 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

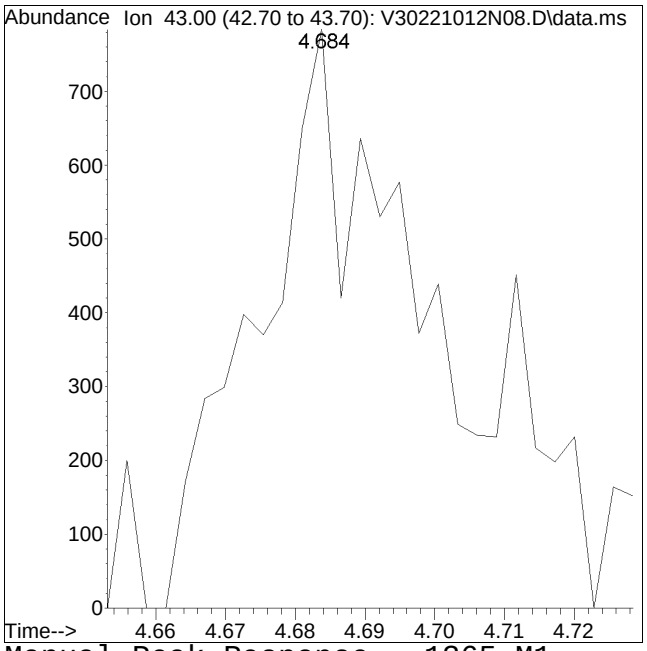
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N08.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:35 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 10/13/2022 11:26 am

Compound #39: 2-Butanone



Original Peak Response = 634



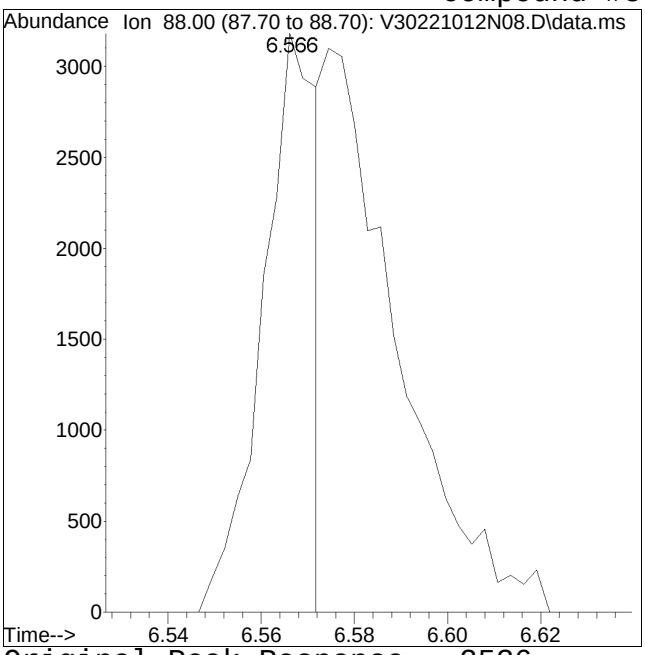
Manual Peak Response = 1365 M1

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

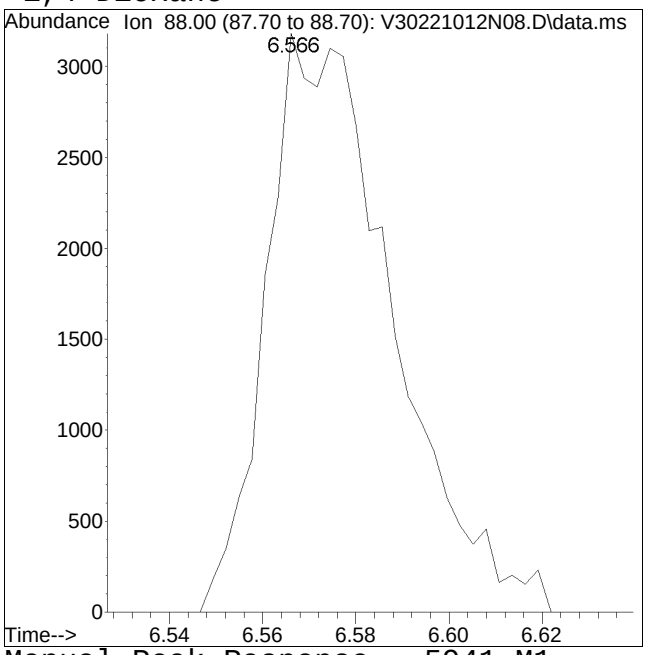
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N08.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:35 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 10/13/2022 11:26 am

Compound #57: 1,4-Dioxane



Original Peak Response = 2536



Manual Peak Response = 5941 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N09.D
Acq On : 12 Oct 2022 09:54 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:04:49 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:04:32 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.476	96	177813	10.000	ug/L	0.00
Standard Area 1 = 177813			Recovery = 100.00%			
59) Chlorobenzene-d5	8.490	117	131094	10.000	ug/L	0.00
Standard Area 1 = 131094			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.979	152	71103	10.000	ug/L	0.00
Standard Area 1 = 71103			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.483	113	54848	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
43) 1,2-Dichloroethane-d4	5.127	65	56498	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
60) Toluene-d8	7.188	98	167891	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
83) 4-Bromofluorobenzene	9.310	95	57704	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.936	85	35819	10.000	ug/L	99
3) Chloromethane	1.056	50	41794	10.000	ug/L	100
4) Vinyl chloride	1.106	62	44786	10.000	ug/L	97
5) Bromomethane	1.309	94	24944	10.000	ug/L	96
6) Chloroethane	1.396	64	33979	10.000	ug/L	96
7) Trichlorofluoromethane	1.494	101	75977	10.000	ug/L	100
8) Ethyl ether	1.722	74	19099	10.000	ug/L	79
10) 1,1-Dichloroethene	1.853	96	44009	10.000	ug/L	77
11) Carbon disulfide	1.856	76	108805	10.000	ug/L	100
12) Freon-113	1.898	101	46542	10.000	ug/L	96
13) Iodomethane	1.951	142	27127	10.000	ug/L	90
14) Acrolein	2.129	56	4112	10.000	ug/L	99
15) Methylene chloride	2.336	84	37271	10.000	ug/L	81
17) Acetone	2.400	43	7055	10.000	ug/L	94
18) trans-1,2-Dichloroethene	2.484	96	36087	10.000	ug/L	79
19) Methyl acetate	2.528	43	16063	10.000	ug/L #	92
20) Methyl tert-butyl ether	2.617	73	52567	10.000	ug/L #	90
21) tert-Butyl alcohol	2.768	59	5481M1	50.000	ug/L	
22) Diisopropyl ether	3.052	45	86363	10.000	ug/L	90
23) 1,1-Dichloroethane	3.119	63	69673	10.000	ug/L	98
24) Halothane	3.273	117	30216M3	10.000	ug/L	

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N09.D
Acq On : 12 Oct 2022 09:54 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:04:49 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:04:32 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.189	53	7907	10.000	ug/L		97
26) Ethyl tert-butyl ether	3.490	59	68563	10.000	ug/L		91
27) Vinyl acetate	3.490	43	47428	10.000	ug/L		99
28) cis-1,2-Dichloroethene	3.803	96	40397	10.000	ug/L	#	74
29) 2,2-Dichloropropane	3.948	77	39637	10.000	ug/L	#	68
30) Bromochloromethane	4.076	128	19955	10.000	ug/L	#	62
31) Cyclohexane	4.048	56	65170	10.000	ug/L		73
32) Chloroform	4.238	83	67503	10.000	ug/L		99
33) Ethyl acetate	4.491	43	16180M1	10.000	ug/L		
34) Carbon tetrachloride	4.355	117	54053	10.000	ug/L		99
35) Tetrahydrofuran	4.433	42	6230M1	10.000	ug/L		
37) 1,1,1-Trichloroethane	4.458	97	54606	10.000	ug/L	#	82
39) 2-Butanone	4.678	43	7738M1	10.000	ug/L		
40) 1,1-Dichloropropene	4.636	75	44671	10.000	ug/L		94
41) Benzene	4.949	78	134536	10.000	ug/L		93
42) tert-Amyl methyl ether	5.189	73	47399	10.000	ug/L	#	81
44) 1,2-Dichloroethane	5.216	62	47945	10.000	ug/L		98
47) Methyl cyclohexane	5.635	83	53238	10.000	ug/L		80
48) Trichloroethene	5.677	95	36407	10.000	ug/L		95
50) Dibromomethane	6.123	93	20621	10.000	ug/L		93
51) 1,2-Dichloropropane	6.237	63	36111	10.000	ug/L		94
53) 2-Chloroethyl vinyl ether	6.998	63	13100	10.000	ug/L		90
54) Bromodichloromethane	6.349	83	50904	10.000	ug/L		98
57) 1,4-Dioxane	6.572	88	7335	500.000	ug/L	#	81
58) cis-1,3-Dichloropropene	7.007	75	44827	10.000	ug/L		95
61) Toluene	7.238	92	80014	10.000	ug/L		99
62) 4-Methyl-2-pentanone	7.648	58	5303	10.000	ug/L	#	91
63) Tetrachloroethene	7.598	166	35032	10.000	ug/L		91
65) trans-1,3-Dichloropropene	7.662	75	33642	10.000	ug/L		100
67) Ethyl methacrylate	7.857	69	20628	10.000	ug/L		98
68) 1,1,2-Trichloroethane	7.796	83	20079	10.000	ug/L		94
69) Chlorodibromomethane	7.930	129	33142	10.000	ug/L		96
70) 1,3-Dichloropropane	8.005	76	41540	10.000	ug/L		97
71) 1,2-Dibromoethane	8.086	107	22828	10.000	ug/L		99
72) 2-Hexanone	8.334	43	9189	10.000	ug/L		99
73) Chlorobenzene	8.501	112	91069	10.000	ug/L		89
74) Ethylbenzene	8.543	91	150181	10.000	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.560	131	30261	10.000	ug/L		96
76) p/m Xylene	8.652	106	122456	20.000	ug/L		93
77) o Xylene	8.937	106	116484	20.000	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N09.D
Acq On : 12 Oct 2022 09:54 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:04:49 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:04:32 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	8.973	104	198534	20.000	ug/L	86
80) Bromoform	8.973	173	17580	10.000	ug/L	95
82) Isopropylbenzene	9.148	105	155996	10.000	ug/L	97
84) Bromobenzene	9.366	156	38869	10.000	ug/L	100
85) n-Propylbenzene	9.405	91	194037	10.000	ug/L	97
86) 1,4-Dichlorobutane	9.408	55	37197	10.000	ug/L	99
87) 1,1,2,2-Tetrachloroethane	9.455	83	26314	10.000	ug/L	99
88) 4-Ethyltoluene	9.475	105	156997	10.000	ug/L	96
89) 2-Chlorotoluene	9.486	91	129105	10.000	ug/L	92
90) 1,3,5-Trimethylbenzene	9.531	105	125024	10.000	ug/L	89
91) 1,2,3-Trichloropropane	9.525	75	20603	10.000	ug/L	100
92) trans-1,4-Dichloro-2-b...	9.558	53	8060	10.000	ug/L	96
93) 4-Chlorotoluene	9.589	91	115459	10.000	ug/L	92
94) tert-Butylbenzene	9.715	119	118969	10.000	ug/L	99
97) 1,2,4-Trimethylbenzene	9.756	105	122243	10.000	ug/L	92
98) sec-Butylbenzene	9.821	105	183317	10.000	ug/L	97
99) p-Isopropyltoluene	9.907	119	153064	10.000	ug/L	95
100) 1,3-Dichlorobenzene	9.935	146	80304	10.000	ug/L	97
101) 1,4-Dichlorobenzene	9.988	146	79462	10.000	ug/L	97
102) p-Diethylbenzene	10.119	119	86747	10.000	ug/L	94
103) n-Butylbenzene	10.150	91	139112	10.000	ug/L	98
104) 1,2-Dichlorobenzene	10.228	146	72415	10.000	ug/L	98
105) 1,2,4,5-Tetramethylben...	10.573	119	111296	10.000	ug/L	98
106) 1,2-Dibromo-3-chloropr...	10.682	155	4125	10.000	ug/L	88
107) 1,3,5-Trichlorobenzene	10.699	180	58151	10.000	ug/L	93
108) Hexachlorobutadiene	11.048	225	25504	10.000	ug/L	95
109) 1,2,4-Trichlorobenzene	11.059	180	49086	10.000	ug/L	99
110) Naphthalene	11.240	128	87600	10.000	ug/L	100
111) 1,2,3-Trichlorobenzene	11.340	180	47103	10.000	ug/L	99

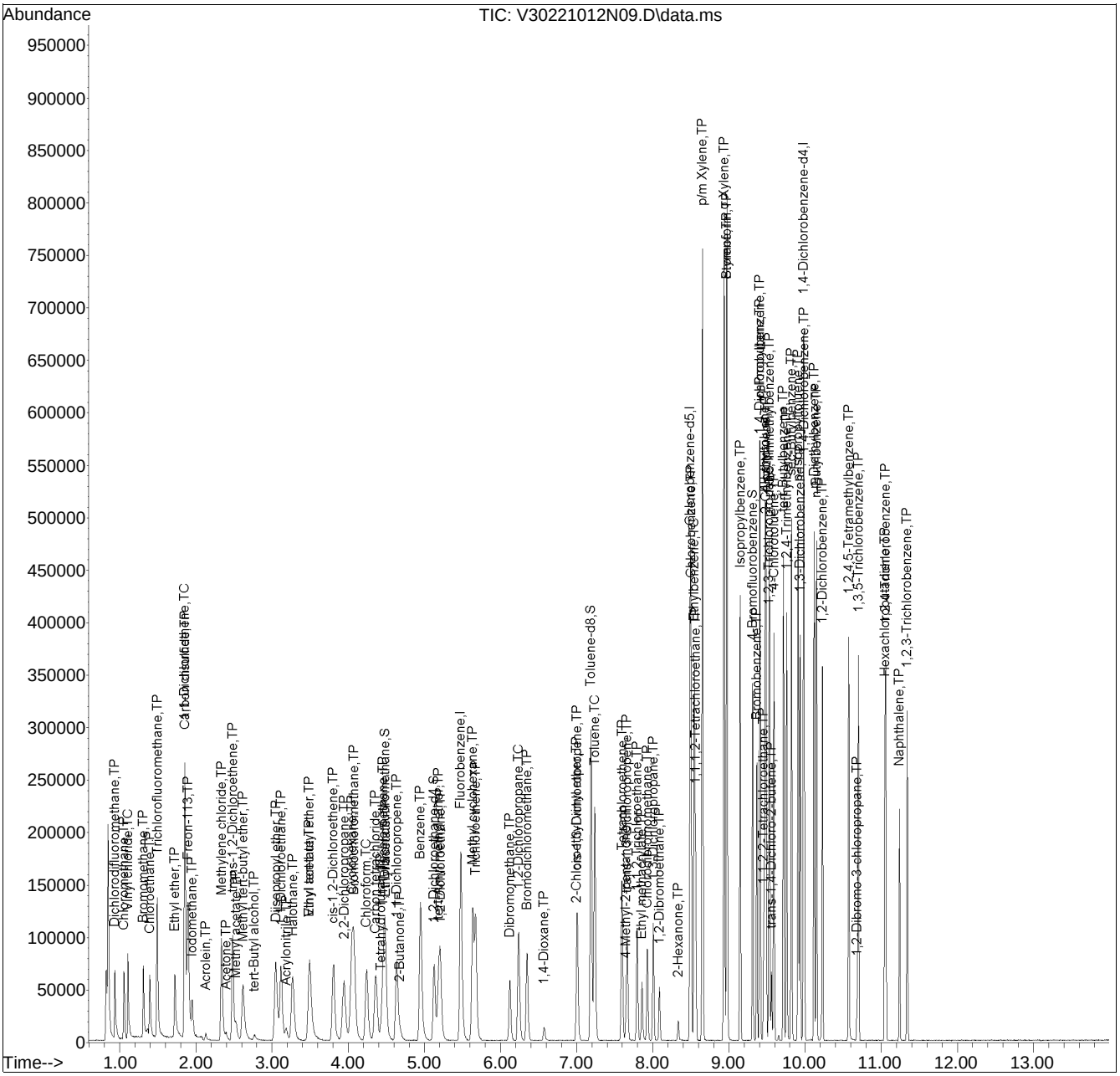
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N09.D
Acq On : 12 Oct 2022 09:54 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 13 11:04:49 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:04:32 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21012N-ICAL\V30221012N09.D•

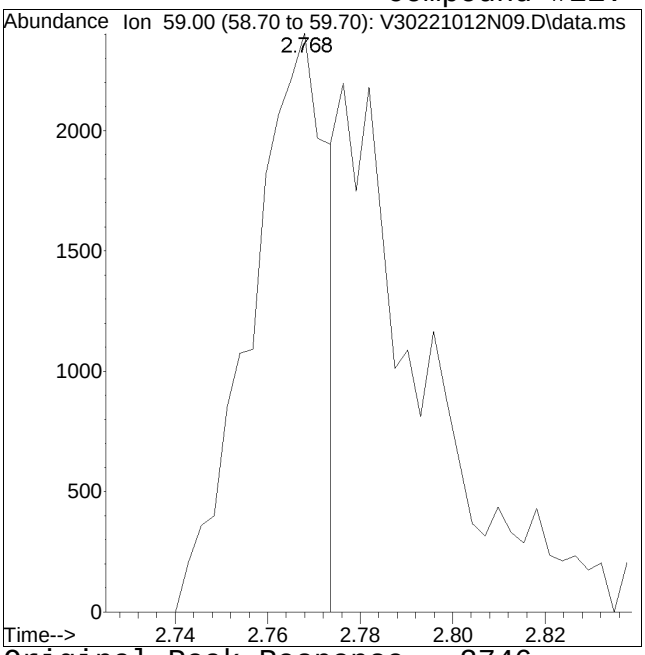


Manual Integration Report

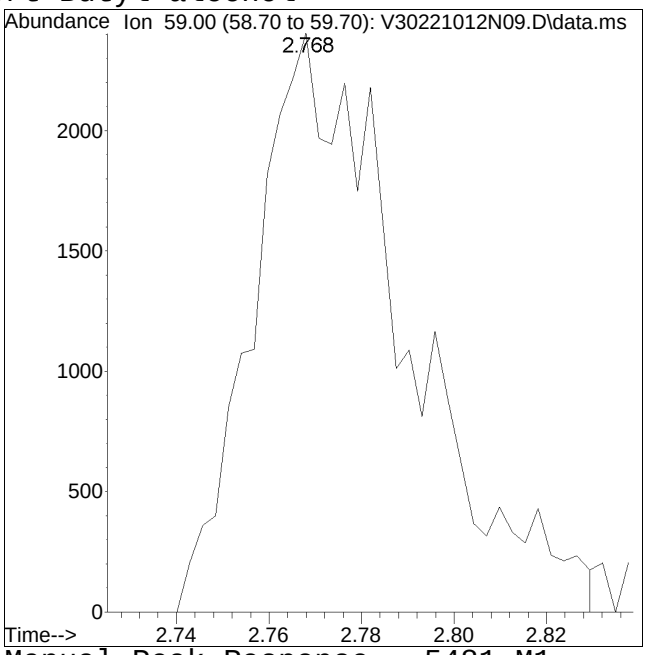
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N09.D
Date Inj'd : 10/12/2022 9:54 pm
Sample : I8260STD10PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:04 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 2746



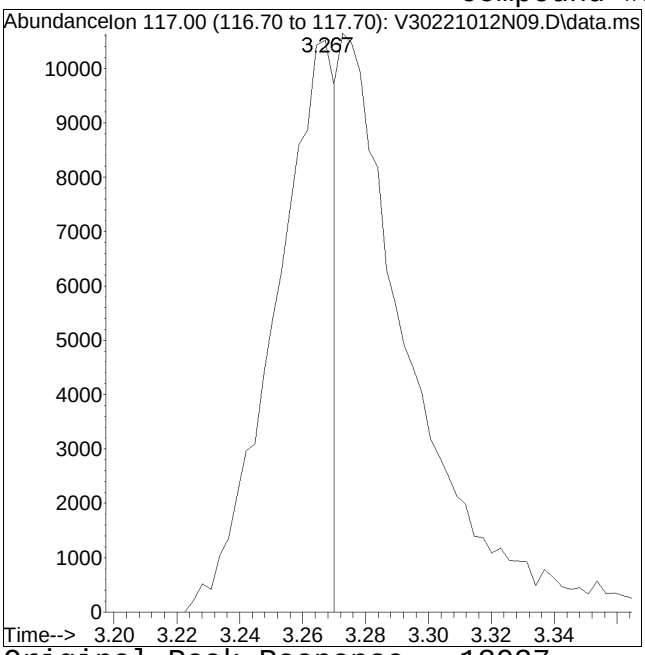
Manual Peak Response = 5481 M1

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

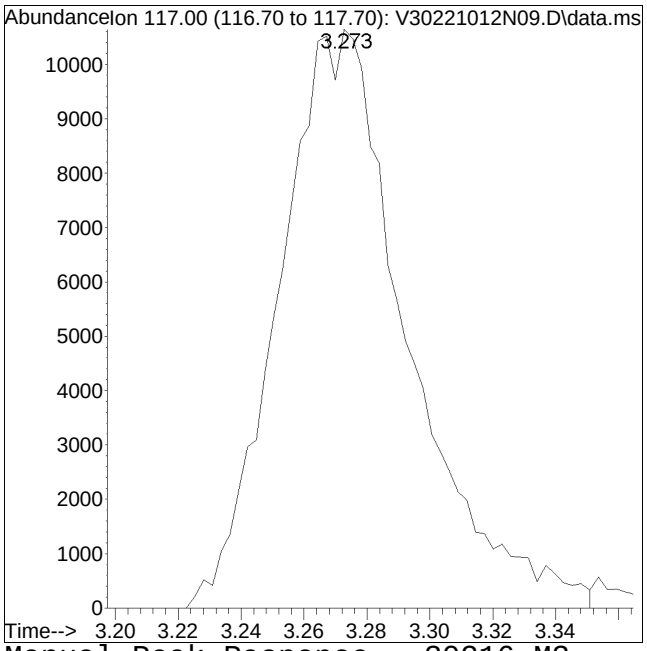
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N09.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 10/13/2022 11:04 am

Compound #24: Halothane



Original Peak Response = 13937



Manual Peak Response = 30216 M3

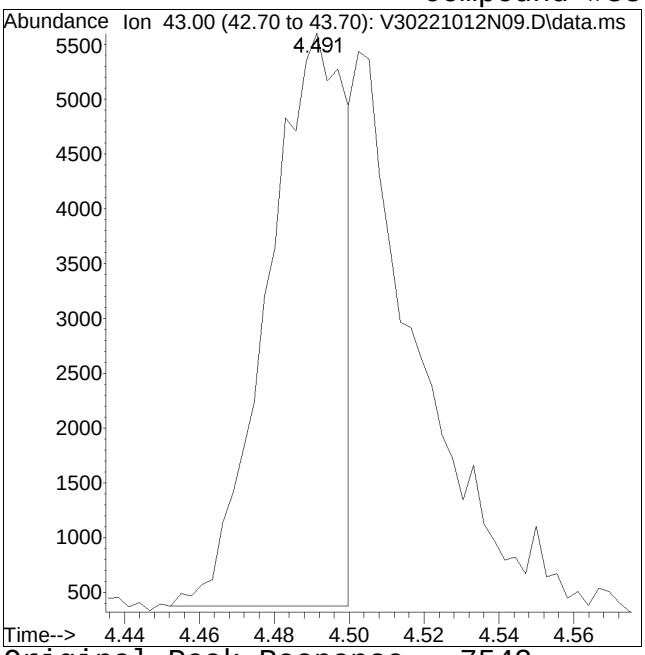
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

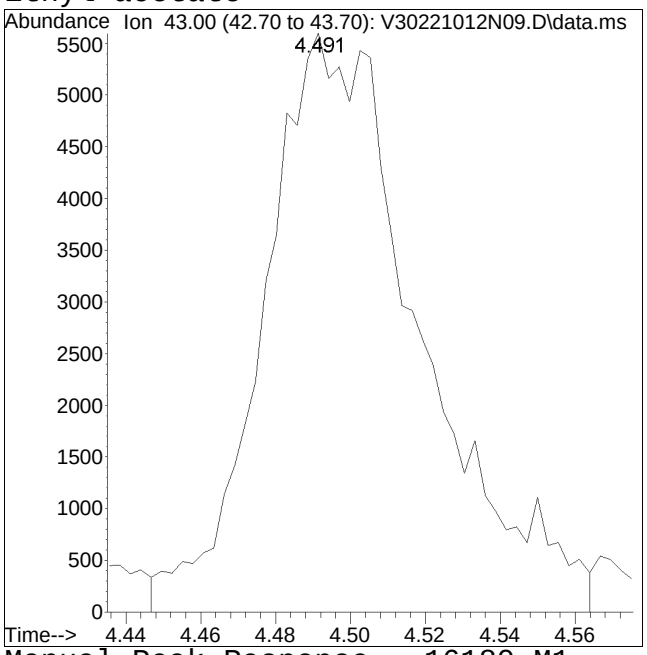
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N09.D
Date Inj'd : 10/12/2022 9:54 pm
Sample : I8260STD10PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:04 am

Compound #33: Ethyl acetate



Original Peak Response = 7542



Manual Peak Response = 16180 M1

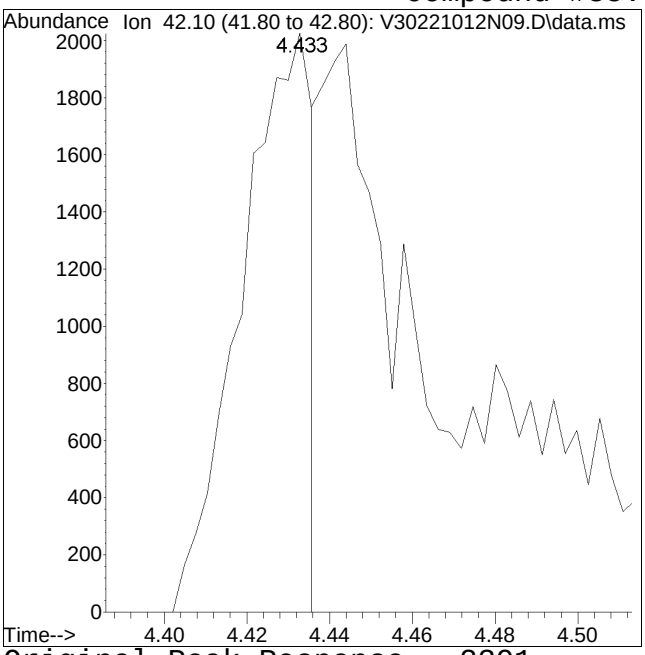
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

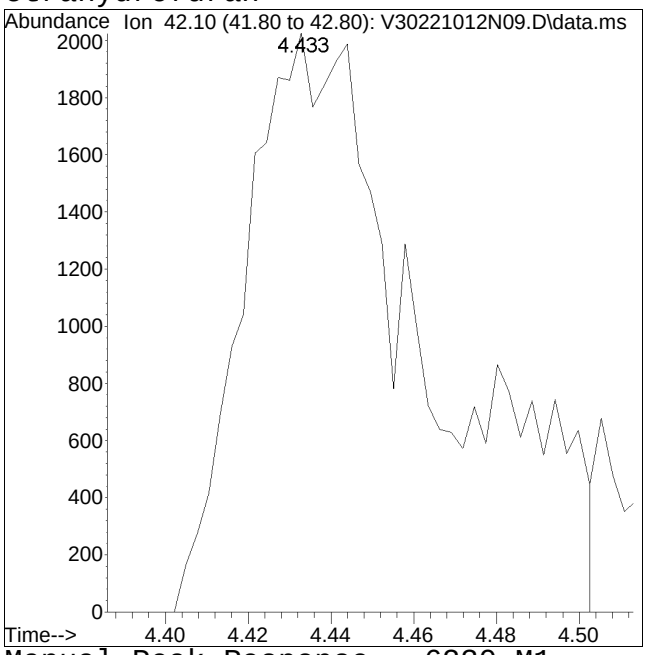
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N09.D
Date Inj'd : 10/12/2022 9:54 pm
Sample : I8260STD10PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:04 am

Compound #35: Tetrahydrofuran



Original Peak Response = 2391



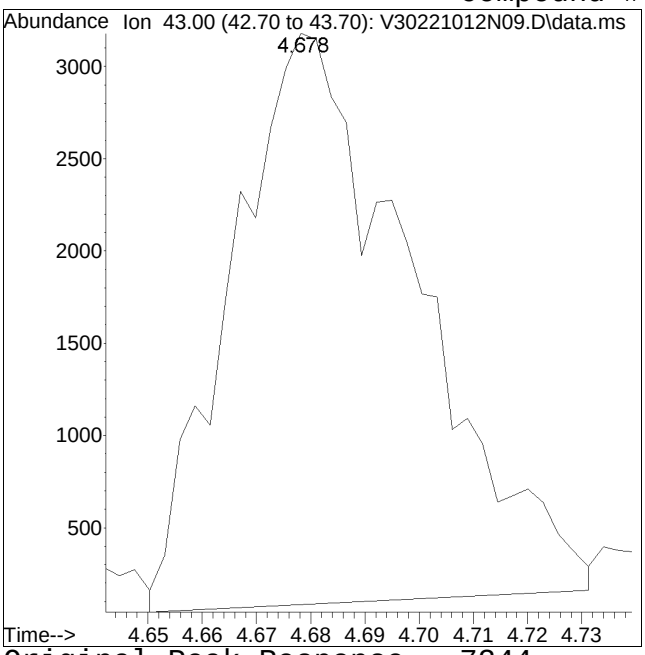
Manual Peak Response = 6230 M1

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

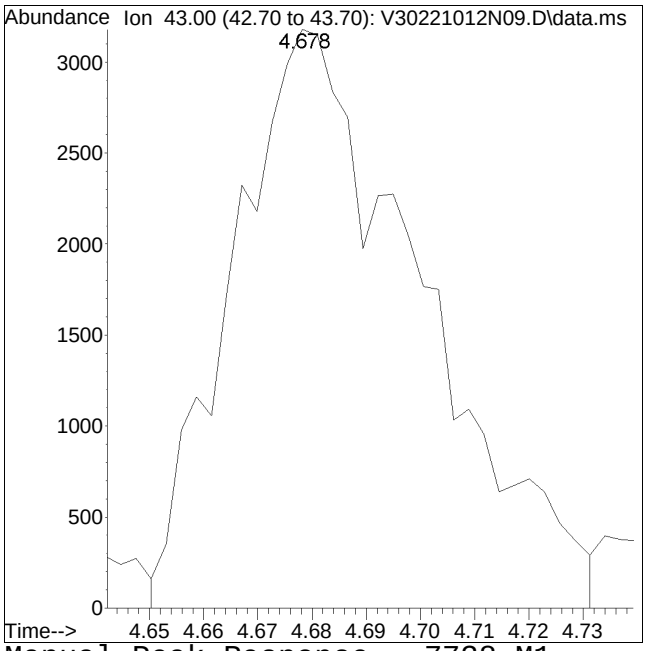
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N09.D Operator : VOA130:PID
Date Inj'd : 10/12/2022 9:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 10/13/2022 11:04 am

Compound #39: 2-Butanone



Original Peak Response = 7244



Manual Peak Response = 7738 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N10.D
Acq On : 12 Oct 2022 10:14 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1699013,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:29:44 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:28:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.481	96	192597	10.000	ug/L	0.00
Standard Area 1 = 177813			Recovery = 108.31%			
59) Chlorobenzene-d5	8.490	117	138479	10.000	ug/L	0.00
Standard Area 1 = 131094			Recovery = 105.63%			
79) 1,4-Dichlorobenzene-d4	9.980	152	75568	10.000	ug/L	0.00
Standard Area 1 = 71103			Recovery = 106.28%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.486	113	56824	8.577	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.77%			
43) 1,2-Dichloroethane-d4	5.130	65	57250	8.596	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.96%			
60) Toluene-d8	7.188	98	177962	10.273	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.73%			
83) 4-Bromofluorobenzene	9.310	95	59261	9.665	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.936	85	132718	37.629	ug/L	99
3) Chloromethane	1.056	50	149310	31.874	ug/L	100
4) Vinyl chloride	1.106	62	166292	34.292	ug/L	97
5) Bromomethane	1.310	94	96120	36.056	ug/L	98
6) Chloroethane	1.393	64	126300	32.938	ug/L	98
7) Trichlorofluoromethane	1.491	101	285884	36.075	ug/L	97
8) Ethyl ether	1.725	74	68403	32.179	ug/L	84
10) 1,1-Dichloroethene	1.853	96	160843	33.724	ug/L	76
11) Carbon disulfide	1.856	76	397242	33.444	ug/L	100
12) Freon-113	1.895	101	179984	38.791	ug/L	97
13) Iodomethane	1.951	142	130720	49.263	ug/L	88
14) Acrolein	2.129	56	14142	30.187	ug/L	96
15) Methylene chloride	2.336	84	130537	28.157	ug/L	78
17) Acetone	2.394	43	22323	25.346	ug/L	99
18) trans-1,2-Dichloroethene	2.484	96	133093	32.671	ug/L	78
19) Methyl acetate	2.525	43	55253	29.793	ug/L	94
20) Methyl tert-butyl ether	2.617	73	215580	39.151	ug/L	95
21) tert-Butyl alcohol	2.765	59	19605M1	154.684	ug/L	
22) Diisopropyl ether	3.047	45	364549	41.253	ug/L	91
23) 1,1-Dichloroethane	3.119	63	249763	31.872	ug/L	99
24) Halothane	3.270	117	110950	38.776	ug/L	99

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N10.D
Acq On : 12 Oct 2022 10:14 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1699013,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:29:44 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:28:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.186	53	29226	37.083	ug/L		97
26) Ethyl tert-butyl ether	3.493	59	297385	42.222	ug/L		90
27) Vinyl acetate	3.493	43	204613	38.678	ug/L	#	94
28) cis-1,2-Dichloroethene	3.803	96	146315	31.970	ug/L	#	73
29) 2,2-Dichloropropane	3.945	77	156304	38.330	ug/L	#	82
30) Bromochloromethane	4.082	128	69822	29.992	ug/L	#	60
31) Cyclohexane	4.051	56	266968	43.749	ug/L		76
32) Chloroform	4.243	83	241876	31.162	ug/L		99
33) Ethyl acetate	4.489	43	66165M4	36.652	ug/L		
34) Carbon tetrachloride	4.363	117	203109	40.967	ug/L		98
35) Tetrahydrofuran	4.430	42	18904M1	30.287	ug/L		
37) 1,1,1-Trichloroethane	4.464	97	206091	35.514	ug/L	#	97
39) 2-Butanone	4.678	43	28536	33.918	ug/L	#	77
40) 1,1-Dichloropropene	4.642	75	179781	44.455	ug/L		95
41) Benzene	4.949	78	517722	38.013	ug/L		93
42) tert-Amyl methyl ether	5.186	73	204240	41.142	ug/L		87
44) 1,2-Dichloroethane	5.211	62	173978	30.161	ug/L		98
47) Methyl cyclohexane	5.635	83	234067	48.156	ug/L	#	78
48) Trichloroethene	5.674	95	141882	39.674	ug/L		95
50) Dibromomethane	6.120	93	74378	31.342	ug/L		95
51) 1,2-Dichloropropane	6.237	63	136169	35.839	ug/L		97
53) 2-Chloroethyl vinyl ether	7.001	63	55945	43.517	ug/L		89
54) Bromodichloromethane	6.349	83	185258	31.591	ug/L		98
57) 1,4-Dioxane	6.575	88	10557	635.600	ug/L	#	80
58) cis-1,3-Dichloropropene	7.007	75	187337	39.218	ug/L		95
61) Toluene	7.238	92	303965	37.642	ug/L		98
62) 4-Methyl-2-pentanone	7.651	58	21468	36.266	ug/L	#	94
63) Tetrachloroethene	7.593	166	134656	39.778	ug/L		92
65) trans-1,3-Dichloropropene	7.665	75	145799	43.241	ug/L		97
67) Ethyl methacrylate	7.857	69	80683	38.457	ug/L		97
68) 1,1,2-Trichloroethane	7.793	83	77081	39.322	ug/L		94
69) Chlorodibromomethane	7.930	129	126021	37.654	ug/L		98
70) 1,3-Dichloropropane	8.005	76	163013	38.813	ug/L		100
71) 1,2-Dibromoethane	8.086	107	89716	39.475	ug/L		99
72) 2-Hexanone	8.334	43	34192	32.728	ug/L		96
73) Chlorobenzene	8.502	112	340540	35.570	ug/L	#	88
74) Ethylbenzene	8.546	91	595924	40.711	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.560	131	121332	39.953	ug/L		96
76) p/m Xylene	8.652	106	467245	81.121	ug/L		94
77) o Xylene	8.937	106	445907	79.229	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N10.D
Acq On : 12 Oct 2022 10:14 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1699013,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:29:44 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:28:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	8.973	104	753901	79.977	ug/L	87
80) Bromoform	8.976	173	71809	39.391	ug/L	95
82) Isopropylbenzene	9.149	105	603077	41.388	ug/L	96
84) Bromobenzene	9.366	156	141302	34.002	ug/L	100
85) n-Propylbenzene	9.405	91	732198	39.923	ug/L	96
86) 1,4-Dichlorobutane	9.408	55	141881	35.045	ug/L	96
87) 1,1,2,2-Tetrachloroethane	9.458	83	95486	33.187	ug/L	100
88) 4-Ethyltoluene	9.475	105	601158	40.710	ug/L	95
89) 2-Chlorotoluene	9.486	91	479993	37.093	ug/L	92
90) 1,3,5-Trimethylbenzene	9.531	105	503662	43.987	ug/L	90
91) 1,2,3-Trichloropropane	9.525	75	74626	35.794	ug/L	98
92) trans-1,4-Dichloro-2-b...	9.559	53	29299	34.046	ug/L	95
93) 4-Chlorotoluene	9.589	91	427118	37.426	ug/L	92
94) tert-Butylbenzene	9.715	119	462492	41.666	ug/L	98
97) 1,2,4-Trimethylbenzene	9.759	105	495141	43.982	ug/L	92
98) sec-Butylbenzene	9.821	105	710031	43.116	ug/L	97
99) p-Isopropyltoluene	9.910	119	610130	45.074	ug/L	94
100) 1,3-Dichlorobenzene	9.935	146	294127	35.274	ug/L	98
101) 1,4-Dichlorobenzene	9.988	146	290813	35.066	ug/L	97
102) p-Diethylbenzene	10.119	119	363473	46.181	ug/L	94
103) n-Butylbenzene	10.150	91	567565	45.571	ug/L	98
104) 1,2-Dichlorobenzene	10.228	146	268273	35.385	ug/L	97
105) 1,2,4,5-Tetramethylben...	10.574	119	480389	46.961	ug/L	97
106) 1,2-Dibromo-3-chloropr...	10.680	155	14877	35.682	ug/L	93
107) 1,3,5-Trichlorobenzene	10.699	180	221088	36.969	ug/L	93
108) Hexachlorobutadiene	11.048	225	97614	38.733	ug/L	95
109) 1,2,4-Trichlorobenzene	11.059	180	185598	35.306	ug/L	97
110) Naphthalene	11.240	128	334502	36.727	ug/L	100
111) 1,2,3-Trichlorobenzene	11.340	180	170821	33.759	ug/L	99

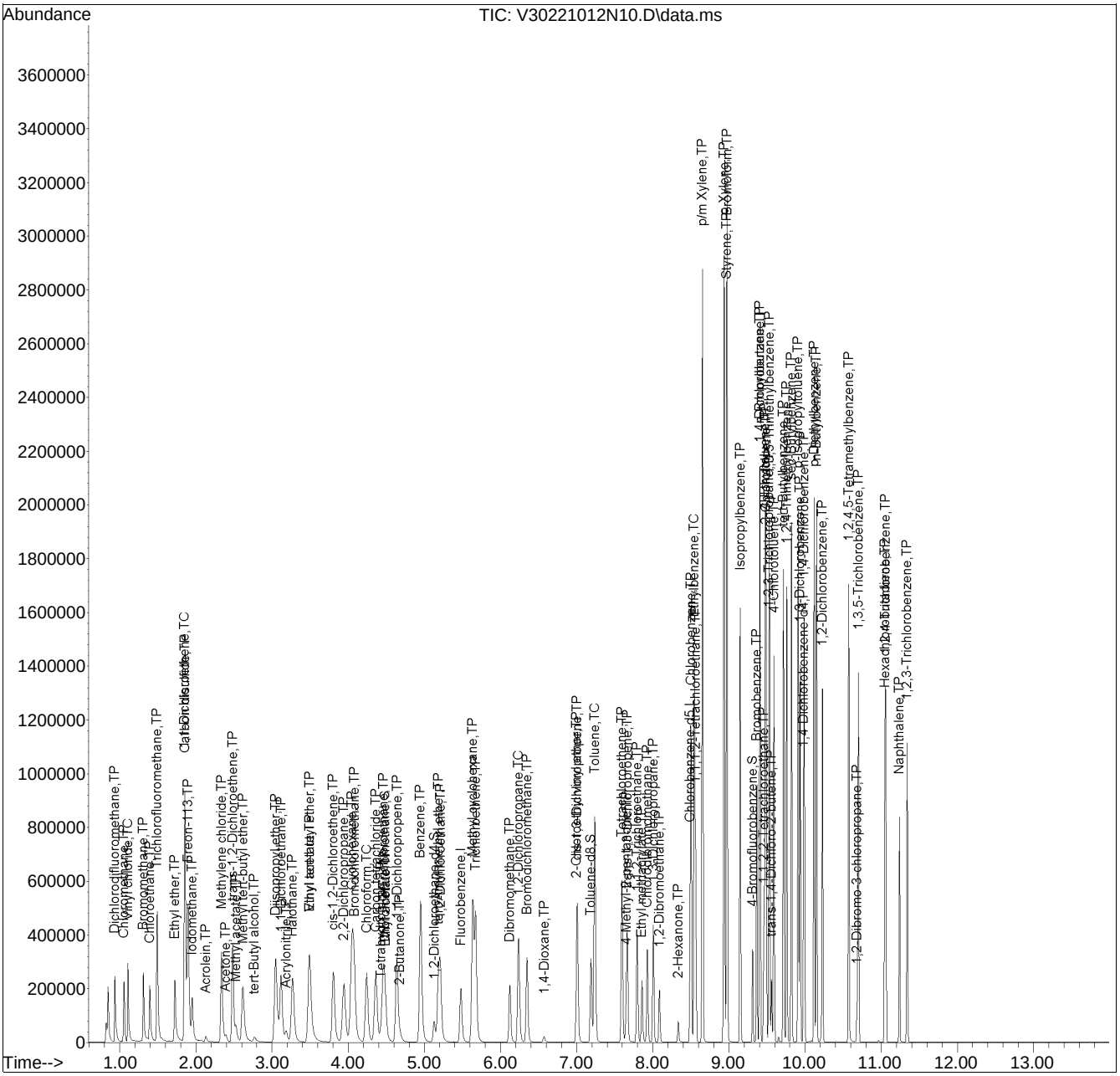
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N10.D
Acq On : 12 Oct 2022 10:14 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1699013,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 13 11:29:44 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:28:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21012N-ICAL\V30221012N09.D•

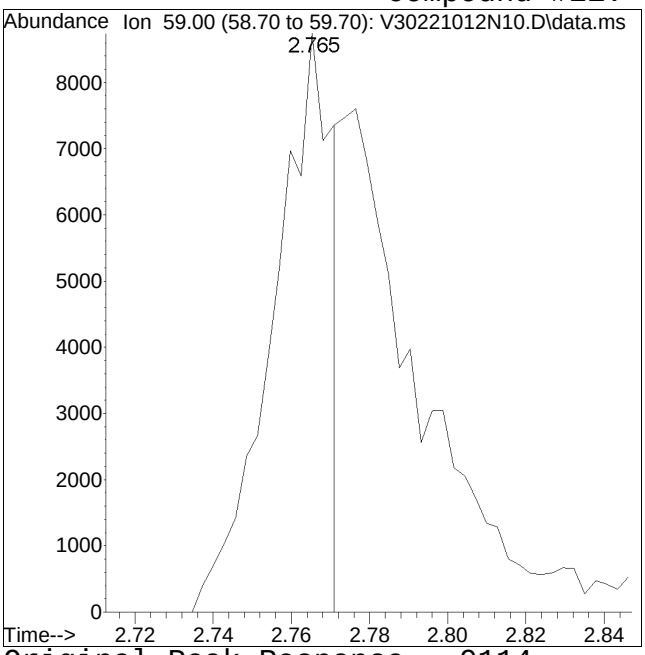


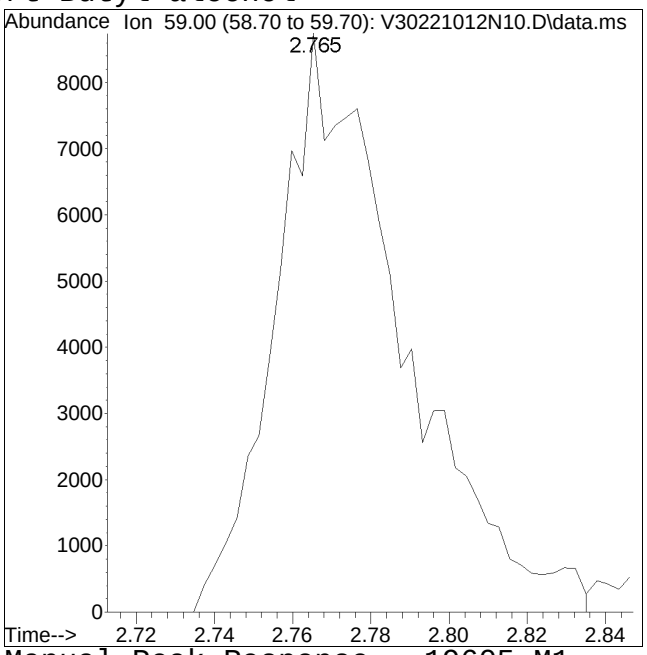
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N10.D
Date Inj'd : 10/12/2022 10:14 pm
Sample : I8260STD30PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:28 am

Compound #21: tert-Butyl alcohol





Original Peak Response = 9114 Manual Peak Response = 19605 M1

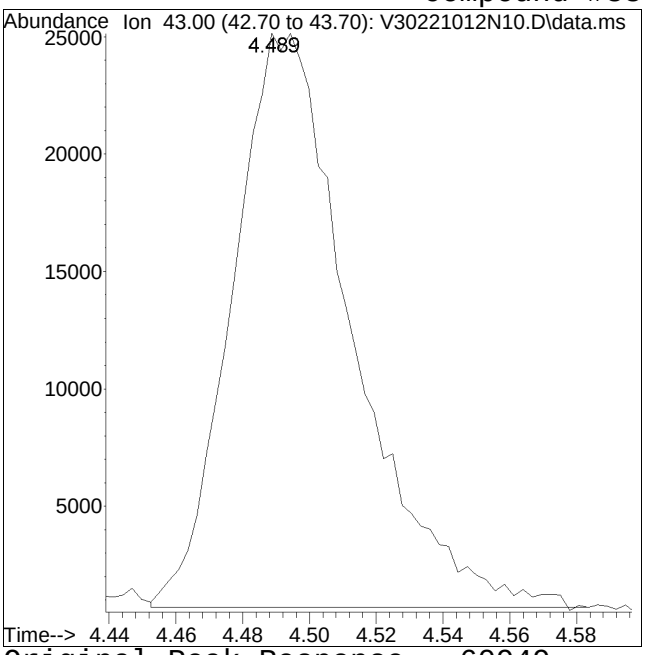
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

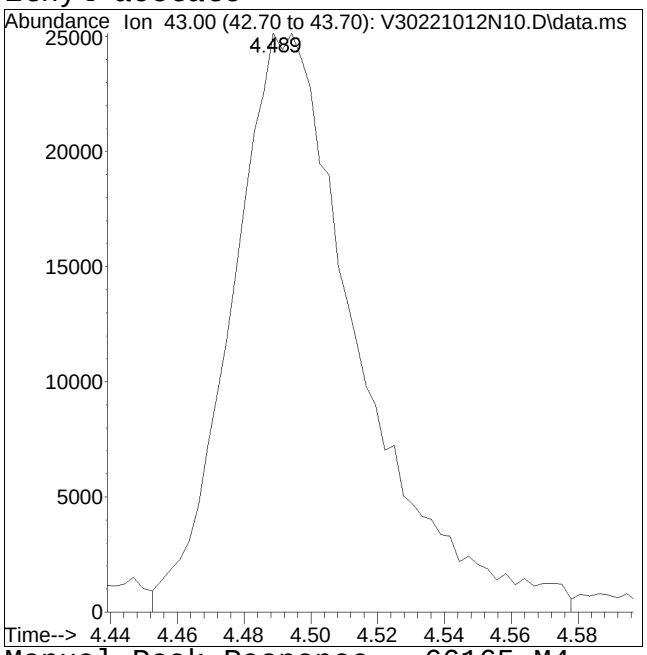
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N10.D
Date Inj'd : 10/12/2022 10:14 pm
Sample : I8260STD30PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:28 am

Compound #33: Ethyl acetate



Original Peak Response = 60949



Manual Peak Response = 66165 M4

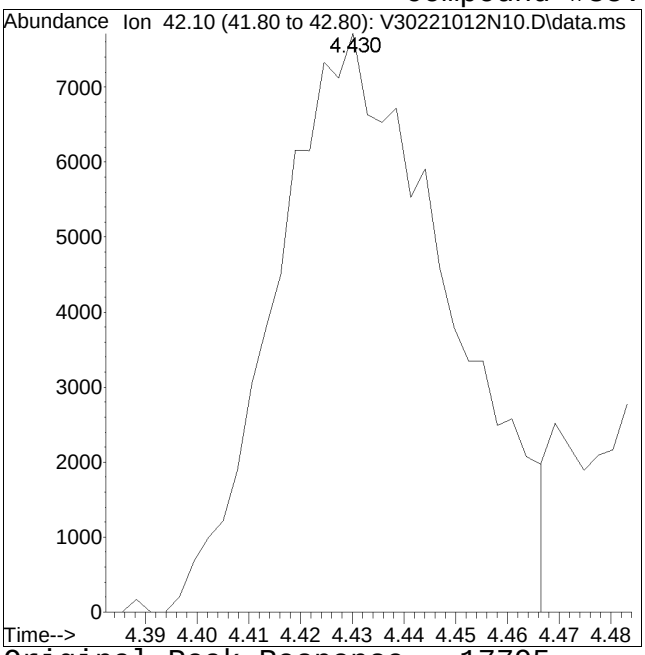
M4 = Poor automated baseline construction.

Manual Integration Report

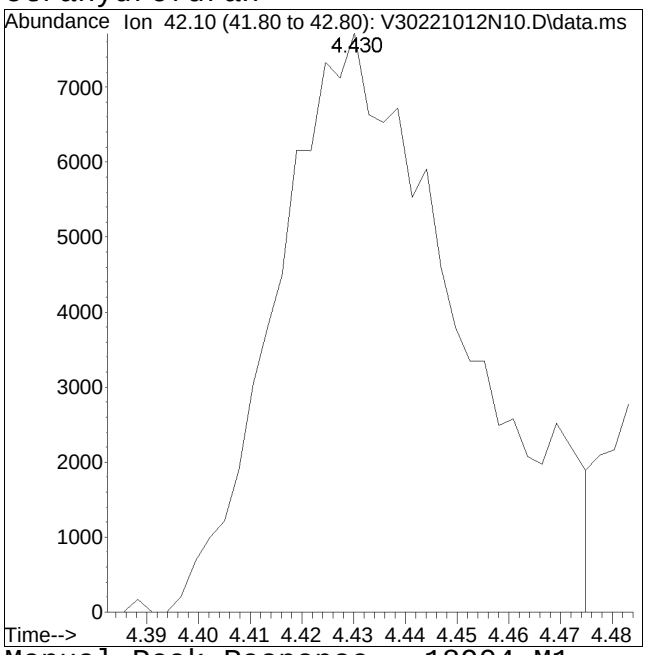
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N10.D
Date Inj'd : 10/12/2022 10:14 pm
Sample : I8260STD30PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:28 am

Compound #35: Tetrahydrofuran



Original Peak Response = 17795



Manual Peak Response = 18904 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N11.D
Acq On : 12 Oct 2022 10:33 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1699013,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:30:35 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:29:53 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.478	96	208481	10.000	ug/L	0.00
Standard Area 1 = 177813			Recovery = 117.25%			
59) Chlorobenzene-d5	8.493	117	151481	10.000	ug/L	0.00
Standard Area 1 = 131094			Recovery = 115.55%			
79) 1,4-Dichlorobenzene-d4	9.979	152	83368	10.000	ug/L	0.00
Standard Area 1 = 71103			Recovery = 117.25%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.486	113	57855	8.303	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.03%			
43) 1,2-Dichloroethane-d4	5.127	65	58883	8.403	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.03%			
60) Toluene-d8	7.188	98	191102	10.030	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.30%			
83) 4-Bromofluorobenzene	9.310	95	65016	9.677	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.936	85	361928	89.132	ug/L	99
3) Chloromethane	1.056	50	397935	77.270	ug/L	100
4) Vinyl chloride	1.106	62	457542	84.739	ug/L	96
5) Bromomethane	1.309	94	290666	95.887	ug/L	98
6) Chloroethane	1.393	64	351778	82.726	ug/L	98
7) Trichlorofluoromethane	1.491	101	776131	86.117	ug/L	97
8) Ethyl ether	1.722	74	195925	83.628	ug/L	82
10) 1,1-Dichloroethene	1.853	96	437103	82.116	ug/L	76
11) Carbon disulfide	1.856	76	1081783	81.790	ug/L	100
12) Freon-113	1.895	101	495362	91.896	ug/L	99
13) Iodomethane	1.954	142	429353	128.801	ug/L	89
14) Acrolein	2.129	56	41526	81.759	ug/L	94
15) Methylene chloride	2.336	84	349527	70.735	ug/L	78
17) Acetone	2.397	43	53519	59.198	ug/L	96
18) trans-1,2-Dichloroethene	2.481	96	359269	79.698	ug/L	79
19) Methyl acetate	2.528	43	151294	75.538	ug/L #	92
20) Methyl tert-butyl ether	2.617	73	639026	99.614	ug/L	96
21) tert-Butyl alcohol	2.773	59	57089	411.829	ug/L #	48
22) Diisopropyl ether	3.047	45	1108631	105.960	ug/L #	90
23) 1,1-Dichloroethane	3.116	63	679997	78.931	ug/L	99
24) Halothane	3.270	117	302418	90.985	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N11.D
Acq On : 12 Oct 2022 10:33 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1699013,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:30:35 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:29:53 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.186	53	82504	91.319	ug/L		95
26) Ethyl tert-butyl ether	3.493	59	926560	110.295	ug/L		91
27) Vinyl acetate	3.490	43	643067	102.422	ug/L	#	95
28) cis-1,2-Dichloroethene	3.808	96	400596	79.556	ug/L	#	74
29) 2,2-Dichloropropane	3.942	77	450871	95.513	ug/L		85
30) Bromochloromethane	4.078	128	192575	76.423	ug/L	#	58
31) Cyclohexane	4.051	56	734710	99.792	ug/L		74
32) Chloroform	4.243	83	661100	77.928	ug/L		99
33) Ethyl acetate	4.494	43	199564M4	95.097	ug/L		
34) Carbon tetrachloride	4.360	117	566231	98.318	ug/L		99
35) Tetrahydrofuran	4.427	42	51636	76.183	ug/L	#	67
37) 1,1,1-Trichloroethane	4.461	97	580361	88.331	ug/L	#	97
39) 2-Butanone	4.672	43	84574	88.992	ug/L	#	75
40) 1,1-Dichloropropene	4.636	75	498243	101.580	ug/L		94
41) Benzene	4.951	78	1461884	94.131	ug/L		93
42) tert-Amyl methyl ether	5.186	73	661354	112.615	ug/L		91
44) 1,2-Dichloroethane	5.211	62	486855	77.867	ug/L		98
47) Methyl cyclohexane	5.640	83	692461	114.314	ug/L	#	77
48) Trichloroethene	5.674	95	396367	96.187	ug/L		95
50) Dibromomethane	6.120	93	205770	79.216	ug/L		94
51) 1,2-Dichloropropane	6.237	63	389231	90.247	ug/L		96
53) 2-Chloroethyl vinyl ether	6.998	63	180205	116.384	ug/L		88
54) Bromodichloromethane	6.346	83	518310	80.583	ug/L		99
57) 1,4-Dioxane	6.572	88	15716	861.338	ug/L	#	78
58) cis-1,3-Dichloropropene	7.009	75	564386	101.363	ug/L		95
61) Toluene	7.238	92	888591	94.573	ug/L		98
62) 4-Methyl-2-pentanone	7.651	58	68915	99.499	ug/L	#	96
63) Tetrachloroethene	7.595	166	395299	98.707	ug/L		90
65) trans-1,3-Dichloropropene	7.665	75	456131	111.378	ug/L		96
67) Ethyl methacrylate	7.857	69	250356	101.906	ug/L		97
68) 1,1,2-Trichloroethane	7.793	83	224328	97.075	ug/L		94
69) Chlorodibromomethane	7.927	129	370819	95.214	ug/L		98
70) 1,3-Dichloropropane	8.005	76	469892	95.280	ug/L		99
71) 1,2-Dibromoethane	8.086	107	265420	98.948	ug/L		100
72) 2-Hexanone	8.334	43	105190	89.997	ug/L		96
73) Chlorobenzene	8.504	112	1000929	91.336	ug/L	#	88
74) Ethylbenzene	8.546	91	1735589	99.510	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.563	131	388090	107.876	ug/L		95
76) p/m Xylene	8.652	106	1407265	205.286	ug/L		92
77) o Xylene	8.936	106	1343934	202.103	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N11.D
Acq On : 12 Oct 2022 10:33 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1699013,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:30:35 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:29:53 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.975	104	2298692	205.795	ug/L	88
80)	Bromoform	8.975	173	229511	105.838	ug/L	96
82)	Isopropylbenzene	9.146	105	1801282	102.340	ug/L	96
84)	Bromobenzene	9.366	156	413044	87.186	ug/L	98
85)	n-Propylbenzene	9.405	91	2205274	100.668	ug/L	95
86)	1,4-Dichlorobutane	9.408	55	446554	95.946	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.458	83	291892	89.579	ug/L	99
88)	4-Ethyltoluene	9.477	105	1827601	102.992	ug/L	95
89)	2-Chlorotoluene	9.489	91	1449876	95.892	ug/L	93
90)	1,3,5-Trimethylbenzene	9.530	105	1555371	110.275	ug/L	89
91)	1,2,3-Trichloropropane	9.525	75	235433	97.644	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.558	53	90642	92.359	ug/L	90
93)	4-Chlorotoluene	9.589	91	1265403	94.650	ug/L	90
94)	tert-Butylbenzene	9.717	119	1373685	102.238	ug/L	98
97)	1,2,4-Trimethylbenzene	9.759	105	1531356	110.433	ug/L	92
98)	sec-Butylbenzene	9.820	105	2094953	103.950	ug/L	96
99)	p-Isopropyltoluene	9.910	119	1840575	109.497	ug/L	95
100)	1,3-Dichlorobenzene	9.935	146	877924	91.419	ug/L	98
101)	1,4-Dichlorobenzene	9.988	146	866566	90.878	ug/L	97
102)	p-Diethylbenzene	10.119	119	1125678	114.238	ug/L	94
103)	n-Butylbenzene	10.149	91	1688796	108.793	ug/L	98
104)	1,2-Dichlorobenzene	10.228	146	799293	91.459	ug/L	97
105)	1,2,4,5-Tetramethylben...	10.573	119	1574053	122.205	ug/L	97
106)	1,2-Dibromo-3-chloropr...	10.685	155	43696	90.703	ug/L	89
107)	1,3,5-Trichlorobenzene	10.702	180	679696	97.367	ug/L	94
108)	Hexachlorobutadiene	11.047	225	288577	96.752	ug/L	95
109)	1,2,4-Trichlorobenzene	11.059	180	566074	93.474	ug/L	98
110)	Naphthalene	11.240	128	1019756	96.102	ug/L	100
111)	1,2,3-Trichlorobenzene	11.340	180	499189	86.708	ug/L	99

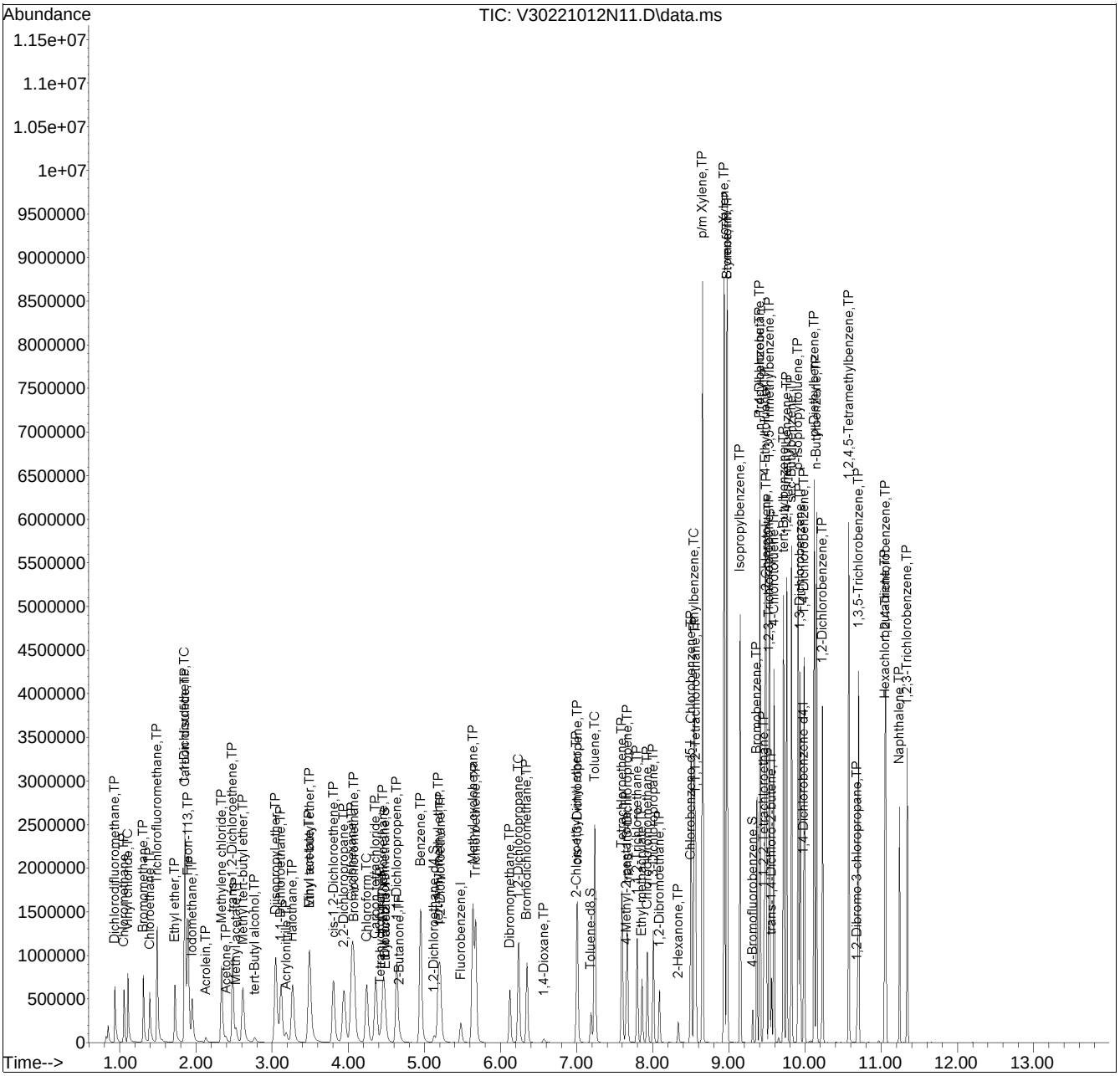
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N11.D
Acq On : 12 Oct 2022 10:33 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1699013,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 13 11:30:35 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:29:53 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21012N-ICAL\V30221012N09.D•

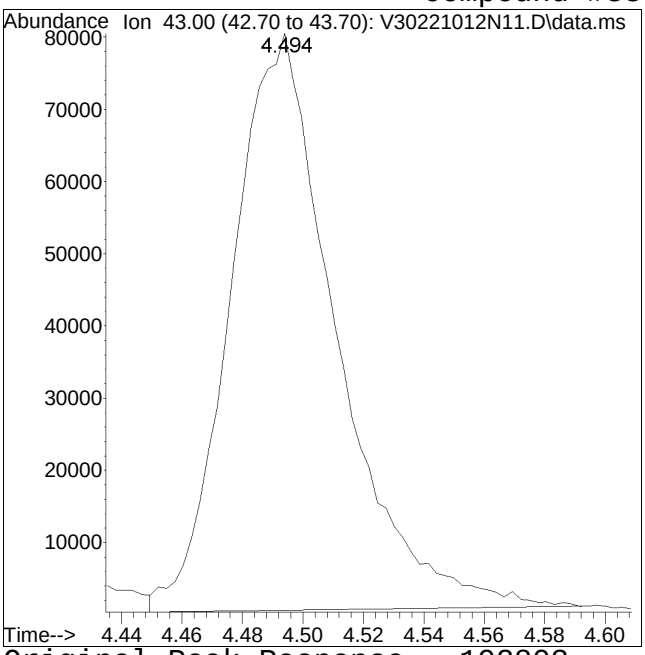


Manual Integration Report

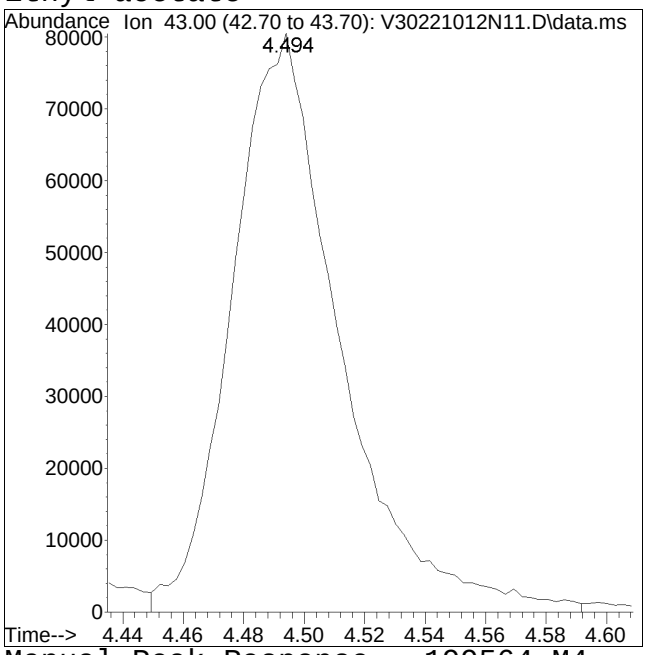
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N11.D
Date Inj'd : 10/12/2022 10:33 pm
Sample : I8260STD80PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:30 am

Compound #33: Ethyl acetate



Original Peak Response = 192803



Manual Peak Response = 199564 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N12.D
Acq On : 12 Oct 2022 10:52 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1699013,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 13 11:31:24 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:30:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.478	96	221106	10.000	ug/L	0.00
Standard Area 1 = 177813			Recovery = 124.35%			
59) Chlorobenzene-d5	8.493	117	166993	10.000	ug/L	0.00
Standard Area 1 = 131094			Recovery = 127.38%			
79) 1,4-Dichlorobenzene-d4	9.982	152	90972	10.000	ug/L	0.00
Standard Area 1 = 71103			Recovery = 127.94%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.486	113	61486	8.563	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.63%			
43) 1,2-Dichloroethane-d4	5.127	65	63084	8.721	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.21%			
60) Toluene-d8	7.188	98	202353	9.629	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.29%			
83) 4-Bromofluorobenzene	9.313	95	70290	9.639	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.39%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.936	85	552318	125.390	ug/L	99
3) Chloromethane	1.053	50	605203	111.569	ug/L	99
4) Vinyl chloride	1.106	62	698382	120.766	ug/L	96
5) Bromomethane	1.309	94	470174	140.662	ug/L	100
6) Chloroethane	1.390	64	559731	123.273	ug/L	98
7) Trichlorofluoromethane	1.491	101	1171648	120.733	ug/L	98
8) Ethyl ether	1.725	74	300932	120.026	ug/L	81
10) 1,1-Dichloroethene	1.850	96	672176	118.441	ug/L #	75
11) Carbon disulfide	1.856	76	1644252	116.696	ug/L	95
12) Freon-113	1.895	101	754128	128.103	ug/L	98
13) Iodomethane	1.951	142	710781	179.190	ug/L	88
14) Acrolein	2.126	56	64897	119.950	ug/L	91
15) Methylene chloride	2.336	84	544552	106.374	ug/L	76
17) Acetone	2.394	43	84895	94.697	ug/L	96
18) trans-1,2-Dichloroethene	2.483	96	557318	116.660	ug/L	79
19) Methyl acetate	2.525	43	241863	115.472	ug/L #	90
20) Methyl tert-butyl ether	2.614	73	1022914	143.323	ug/L	97
21) tert-Butyl alcohol	2.768	59	106841	721.389	ug/L #	53
22) Diisopropyl ether	3.047	45	1776643	150.353	ug/L #	91
23) 1,1-Dichloroethane	3.119	63	1056917	115.987	ug/L	99
24) Halothane	3.270	117	462838	127.788	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N12.D
Acq On : 12 Oct 2022 10:52 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1699013,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 13 11:31:24 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:30:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.186	53	124984	126.849	ug/L		97
26) Ethyl tert-butyl ether	3.490	59	1526727	159.295	ug/L		90
27) Vinyl acetate	3.490	43	1053950	147.914	ug/L	#	95
28) cis-1,2-Dichloroethene	3.805	96	626301	117.407	ug/L	#	73
29) 2,2-Dichloropropane	3.945	77	722506	138.929	ug/L		88
30) Bromochloromethane	4.081	128	294532	111.204	ug/L	#	59
31) Cyclohexane	4.051	56	1151355	140.501	ug/L		74
32) Chloroform	4.240	83	1037010	115.860	ug/L		98
33) Ethyl acetate	4.488	43	324410M4	139.195	ug/L		
34) Carbon tetrachloride	4.360	117	886698	139.835	ug/L		98
35) Tetrahydrofuran	4.424	42	84608	119.122	ug/L	#	64
37) 1,1,1-Trichloroethane	4.461	97	913416	128.410	ug/L	#	97
39) 2-Butanone	4.675	43	133861	129.181	ug/L	#	72
40) 1,1-Dichloropropene	4.636	75	784050	143.007	ug/L		95
41) Benzene	4.951	78	2296992	135.470	ug/L		93
42) tert-Amyl methyl ether	5.188	73	1106590	164.276	ug/L		93
44) 1,2-Dichloroethane	5.211	62	771173	116.921	ug/L		98
47) Methyl cyclohexane	5.637	83	1105795	158.526	ug/L	#	77
48) Trichloroethene	5.674	95	630853	139.640	ug/L		96
50) Dibromomethane	6.123	93	324671	118.085	ug/L		94
51) 1,2-Dichloropropane	6.237	63	622388	132.668	ug/L		96
53) 2-Chloroethyl vinyl ether	7.001	63	292596	163.325	ug/L		89
54) Bromodichloromethane	6.346	83	818743	119.849	ug/L		99
57) 1,4-Dioxane	6.569	88	26730	1360.465	ug/L	#	78
58) cis-1,3-Dichloropropene	7.007	75	917333	147.469	ug/L		94
61) Toluene	7.238	92	1406466	131.012	ug/L		97
62) 4-Methyl-2-pentanone	7.651	58	115765	142.907	ug/L	#	96
63) Tetrachloroethene	7.595	166	621189	134.417	ug/L		91
65) trans-1,3-Dichloropropene	7.665	75	751181	154.282	ug/L		96
67) Ethyl methacrylate	7.857	69	413550	144.768	ug/L		97
68) 1,1,2-Trichloroethane	7.793	83	358468	134.952	ug/L		95
69) Chlorodibromomethane	7.930	129	596322	133.803	ug/L		97
70) 1,3-Dichloropropane	8.008	76	751529	133.146	ug/L		99
71) 1,2-Dibromoethane	8.089	107	424859	137.176	ug/L		98
72) 2-Hexanone	8.331	43	175589	132.951	ug/L		94
73) Chlorobenzene	8.504	112	1577686	126.994	ug/L		89
74) Ethylbenzene	8.546	91	2751767	136.461	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.563	131	624482	147.202	ug/L		95
76) p/m Xylene	8.655	106	2245962	281.276	ug/L		90
77) o Xylene	8.939	106	2155352	279.317	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N12.D
Acq On : 12 Oct 2022 10:52 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1699013,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 13 11:31:24 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:30:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.975	104	3645389	280.015	ug/L	90
80)	Bromoform	8.975	173	378591	150.285	ug/L	96
82)	Isopropylbenzene	9.148	105	2852772	140.676	ug/L	94
84)	Bromobenzene	9.366	156	662184	125.831	ug/L	99
85)	n-Propylbenzene	9.408	91	3463676	137.777	ug/L	95
86)	1,4-Dichlorobutane	9.408	55	747086	141.462	ug/L	96
87)	1,1,2,2-Tetrachloroethane	9.458	83	476205	130.796	ug/L	100
88)	4-Ethyltoluene	9.477	105	2903276	141.785	ug/L	94
89)	2-Chlorotoluene	9.489	91	2297965	133.957	ug/L	92
90)	1,3,5-Trimethylbenzene	9.533	105	2477417	149.640	ug/L	89
91)	1,2,3-Trichloropropane	9.525	75	384912	140.115	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.558	53	147372	133.487	ug/L	89
93)	4-Chlorotoluene	9.592	91	2004483	132.545	ug/L	90
94)	tert-Butylbenzene	9.717	119	2189178	141.449	ug/L	98
97)	1,2,4-Trimethylbenzene	9.759	105	2453369	150.671	ug/L	91
98)	sec-Butylbenzene	9.820	105	3306347	141.852	ug/L	95
99)	p-Isopropyltoluene	9.910	119	2936319	149.088	ug/L	95
100)	1,3-Dichlorobenzene	9.935	146	1396447	129.560	ug/L	97
101)	1,4-Dichlorobenzene	9.991	146	1372147	128.379	ug/L	98
102)	p-Diethylbenzene	10.119	119	1812423	155.267	ug/L	94
103)	n-Butylbenzene	10.150	91	2682284	147.718	ug/L	97
104)	1,2-Dichlorobenzene	10.228	146	1259548	128.398	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.573	119	2663141	171.393	ug/L	97
106)	1,2-Dibromo-3-chloropr...	10.682	155	74645	138.294	ug/L	92
107)	1,3,5-Trichlorobenzene	10.702	180	1114456	140.215	ug/L	95
108)	Hexachlorobutadiene	11.047	225	471510	139.047	ug/L	97
109)	1,2,4-Trichlorobenzene	11.061	180	924394	135.325	ug/L	98
110)	Naphthalene	11.240	128	1658489	137.689	ug/L	100
111)	1,2,3-Trichlorobenzene	11.343	180	807203	126.371	ug/L	100

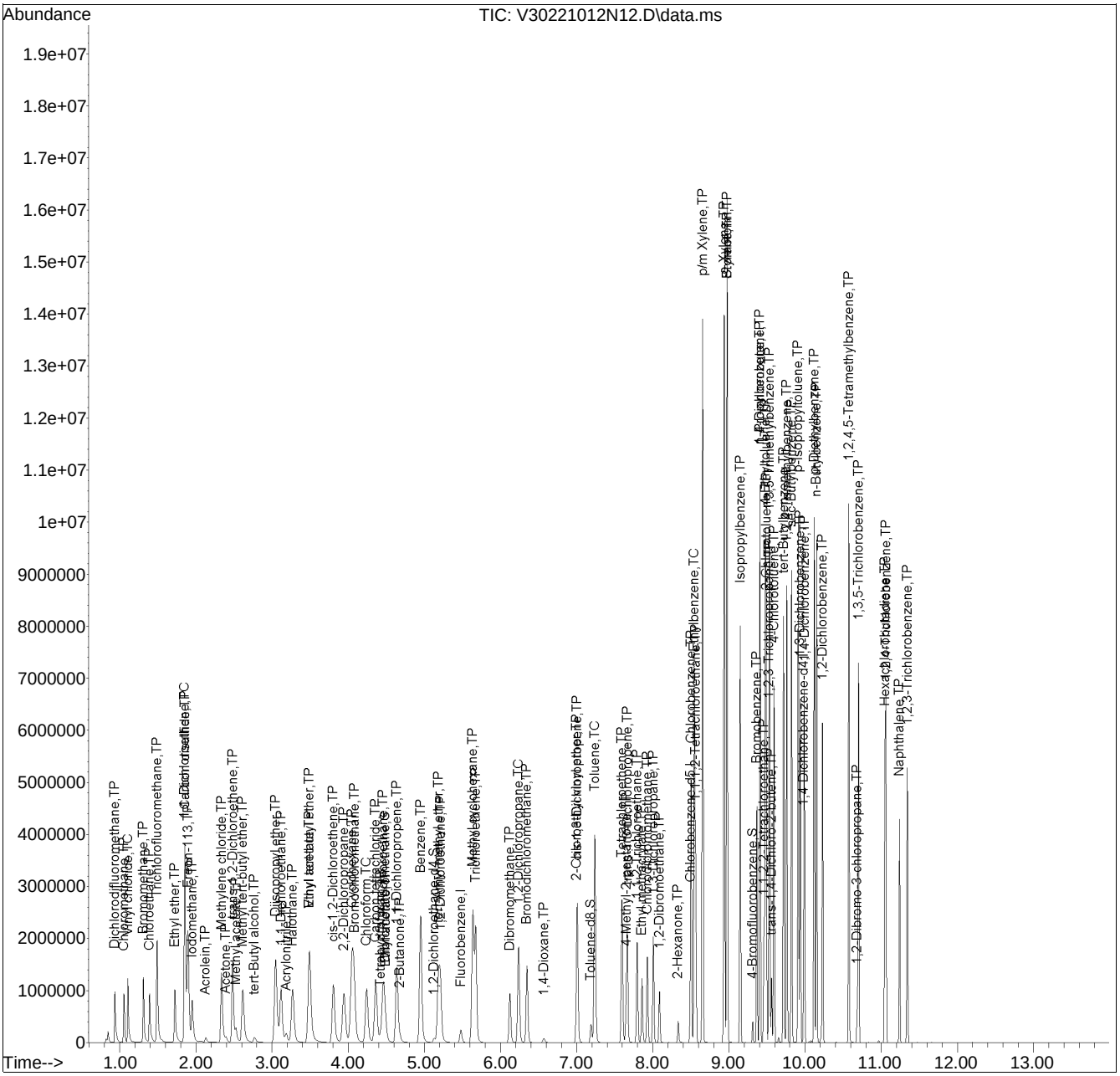
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N12.D
Acq On : 12 Oct 2022 10:52 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1699013,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 13 11:31:24 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:30:44 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21012N-ICAL\V30221012N09.D•

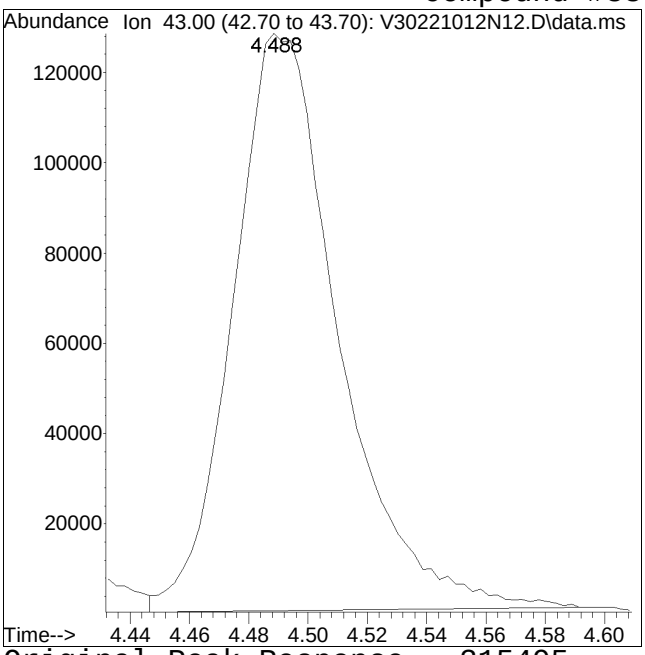


Manual Integration Report

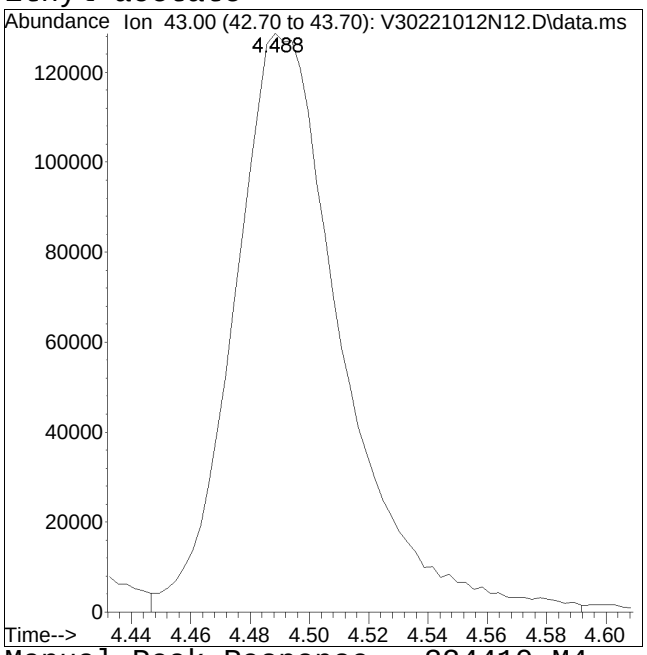
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N12.D
Date Inj'd : 10/12/2022 10:52 pm
Sample : I8260STD120PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:30 am

Compound #33: Ethyl acetate



Original Peak Response = 315495



Manual Peak Response = 324410 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N13.D
Acq On : 12 Oct 2022 11:12 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1699013,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 13 11:32:05 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:31:33 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.479	96	224613	10.000	ug/L	0.00
Standard Area 1 = 177813			Recovery = 126.32%			
59) Chlorobenzene-d5	8.493	117	172945	10.000	ug/L	0.00
Standard Area 1 = 131094			Recovery = 131.92%			
79) 1,4-Dichlorobenzene-d4	9.982	152	93183	10.000	ug/L	0.00
Standard Area 1 = 71103			Recovery = 131.05%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.489	113	61712	8.637	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.37%			
43) 1,2-Dichloroethane-d4	5.127	65	63178	8.758	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.58%			
60) Toluene-d8	7.188	98	209601	9.682	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.82%			
83) 4-Bromofluorobenzene	9.313	95	72830	9.801	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.01%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.936	85	964783	214.007	ug/L	99
3) Chloromethane	1.053	50	1047492	192.341	ug/L	99
4) Vinyl chloride	1.106	62	1219291	207.363	ug/L	96
5) Bromomethane	1.309	94	869287	248.862	ug/L	98
6) Chloroethane	1.390	64	945091	203.967	ug/L	98
7) Trichlorofluoromethane	1.491	101	2000109	202.678	ug/L	98
8) Ethyl ether	1.725	74	516083	202.617	ug/L	81
10) 1,1-Dichloroethene	1.850	96	1161012	201.820	ug/L #	75
11) Carbon disulfide	1.856	76	2851708	200.149	ug/L	95
12) Freon-113	1.895	101	1286161	212.674	ug/L	97
13) Iodomethane	1.951	142	1219013	279.538	ug/L	88
14) Acrolein	2.129	56	112961	205.541	ug/L	94
15) Methylene chloride	2.336	84	938883	184.022	ug/L	77
17) Acetone	2.394	43	147191	168.738	ug/L	96
18) trans-1,2-Dichloroethene	2.481	96	978827	202.633	ug/L	80
19) Methyl acetate	2.528	43	415438	196.729	ug/L #	90
20) Methyl tert-butyl ether	2.615	73	1835643	245.237	ug/L	97
21) tert-Butyl alcohol	2.768	59	180721	1154.461	ug/L #	53
22) Diisopropyl ether	3.044	45	3177519	253.999	ug/L #	91
23) 1,1-Dichloroethane	3.119	63	1856048	201.629	ug/L	99
24) Halothane	3.273	117	811053	218.074	ug/L	99

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N13.D
Acq On : 12 Oct 2022 11:12 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1699013,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 13 11:32:05 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:31:33 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.189	53	215516	213.288	ug/L		97
26) Ethyl tert-butyl ether	3.490	59	2762319	269.031	ug/L		90
27) Vinyl acetate	3.493	43	1910438	252.197	ug/L	#	95
28) cis-1,2-Dichloroethene	3.805	96	1096275	203.032	ug/L	#	74
29) 2,2-Dichloropropane	3.945	77	1307037	241.065	ug/L		90
30) Bromochloromethane	4.081	128	496212	186.707	ug/L	#	60
31) Cyclohexane	4.053	56	2036229	237.832	ug/L		74
32) Chloroform	4.243	83	1810314	200.250	ug/L		98
33) Ethyl acetate	4.491	43	561972	230.003	ug/L	#	94
34) Carbon tetrachloride	4.360	117	1567786	237.769	ug/L		98
35) Tetrahydrofuran	4.422	42	150056	208.275	ug/L	#	60
37) 1,1,1-Trichloroethane	4.463	97	1626109	222.434	ug/L	#	97
39) 2-Butanone	4.675	43	245891	230.069	ug/L	#	74
40) 1,1-Dichloropropene	4.642	75	1392319	242.246	ug/L		95
41) Benzene	4.951	78	4002999	228.197	ug/L		93
42) tert-Amyl methyl ether	5.186	73	2049647	282.172	ug/L		96
44) 1,2-Dichloroethane	5.214	62	1352988	202.798	ug/L		98
47) Methyl cyclohexane	5.640	83	1972021	264.159	ug/L	#	77
48) Trichloroethene	5.674	95	1111015	236.554	ug/L		96
50) Dibromomethane	6.123	93	570573	204.826	ug/L		95
51) 1,2-Dichloropropane	6.237	63	1095055	225.804	ug/L		96
53) 2-Chloroethyl vinyl ether	7.001	63	529703	274.540	ug/L		88
54) Bromodichloromethane	6.349	83	1435394	206.878	ug/L		98
57) 1,4-Dioxane	6.574	88	41953	2056.100	ug/L	#	77
58) cis-1,3-Dichloropropene	7.010	75	1639818	249.962	ug/L		94
61) Toluene	7.238	92	2527682	223.926	ug/L		96
62) 4-Methyl-2-pentanone	7.651	58	211788	243.162	ug/L	#	96
63) Tetrachloroethene	7.595	166	1120196	229.459	ug/L		92
65) trans-1,3-Dichloropropene	7.665	75	1357584	256.996	ug/L		96
67) Ethyl methacrylate	7.860	69	761374	248.797	ug/L		97
68) 1,1,2-Trichloroethane	7.796	83	627749	223.553	ug/L		94
69) Chlorodibromomethane	7.930	129	1038444	220.756	ug/L		98
70) 1,3-Dichloropropane	8.008	76	1311076	220.264	ug/L		99
71) 1,2-Dibromoethane	8.089	107	739904	225.299	ug/L		98
72) 2-Hexanone	8.334	43	312754	224.618	ug/L		93
73) Chlorobenzene	8.504	112	2853203	219.628	ug/L		88
74) Ethylbenzene	8.546	91	4931692	230.869	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.563	131	1138969	249.799	ug/L		95
76) p/m Xylene	8.655	106	4150501	487.918	ug/L		84
77) o Xylene	8.939	106	3989785	485.982	ug/L		78

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N13.D
Acq On : 12 Oct 2022 11:12 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1699013,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 13 11:32:05 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:31:33 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.978	104	6433427	464.266	ug/L		95
80) Bromoform	8.978	173	705195	262.259	ug/L		96
82) Isopropylbenzene	9.148	105	5130198	240.083	ug/L		93
84) Bromobenzene	9.369	156	1194743	219.863	ug/L		97
85) n-Propylbenzene	9.408	91	6041092	228.946	ug/L		91
86) 1,4-Dichlorobutane	9.411	55	1386407	248.871	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.461	83	837920	221.365	ug/L		99
88) 4-Ethyltoluene	9.480	105	5181601	239.790	ug/L		93
89) 2-Chlorotoluene	9.489	91	4203982	234.702	ug/L		92
90) 1,3,5-Trimethylbenzene	9.533	105	4424684	250.600	ug/L		87
91) 1,2,3-Trichloropropane	9.528	75	702919	243.015	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.561	53	262671	228.007	ug/L	#	87
93) 4-Chlorotoluene	9.592	91	3603860	228.664	ug/L		90
94) tert-Butylbenzene	9.717	119	3960551	242.604	ug/L		96
97) 1,2,4-Trimethylbenzene	9.762	105	4354234	250.399	ug/L		90
98) sec-Butylbenzene	9.823	105	5777109	234.847	ug/L		93
99) p-Isopropyltoluene	9.913	119	5165386	246.101	ug/L		95
100) 1,3-Dichlorobenzene	9.938	146	2490882	222.660	ug/L		99
101) 1,4-Dichlorobenzene	9.991	146	2456713	221.817	ug/L		97
102) p-Diethylbenzene	10.122	119	3290049	262.316	ug/L		95
103) n-Butylbenzene	10.152	91	4719971	244.362	ug/L		94
104) 1,2-Dichlorobenzene	10.230	146	2243151	220.667	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.576	119	4842164	283.965	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.685	155	134170	236.664	ug/L		91
107) 1,3,5-Trichlorobenzene	10.704	180	2012092	240.395	ug/L		95
108) Hexachlorobutadiene	11.050	225	857798	240.596	ug/L		96
109) 1,2,4-Trichlorobenzene	11.061	180	1700895	238.026	ug/L		97
110) Naphthalene	11.240	128	2950843	233.434	ug/L		100
111) 1,2,3-Trichlorobenzene	11.343	180	1472179	223.033	ug/L		99

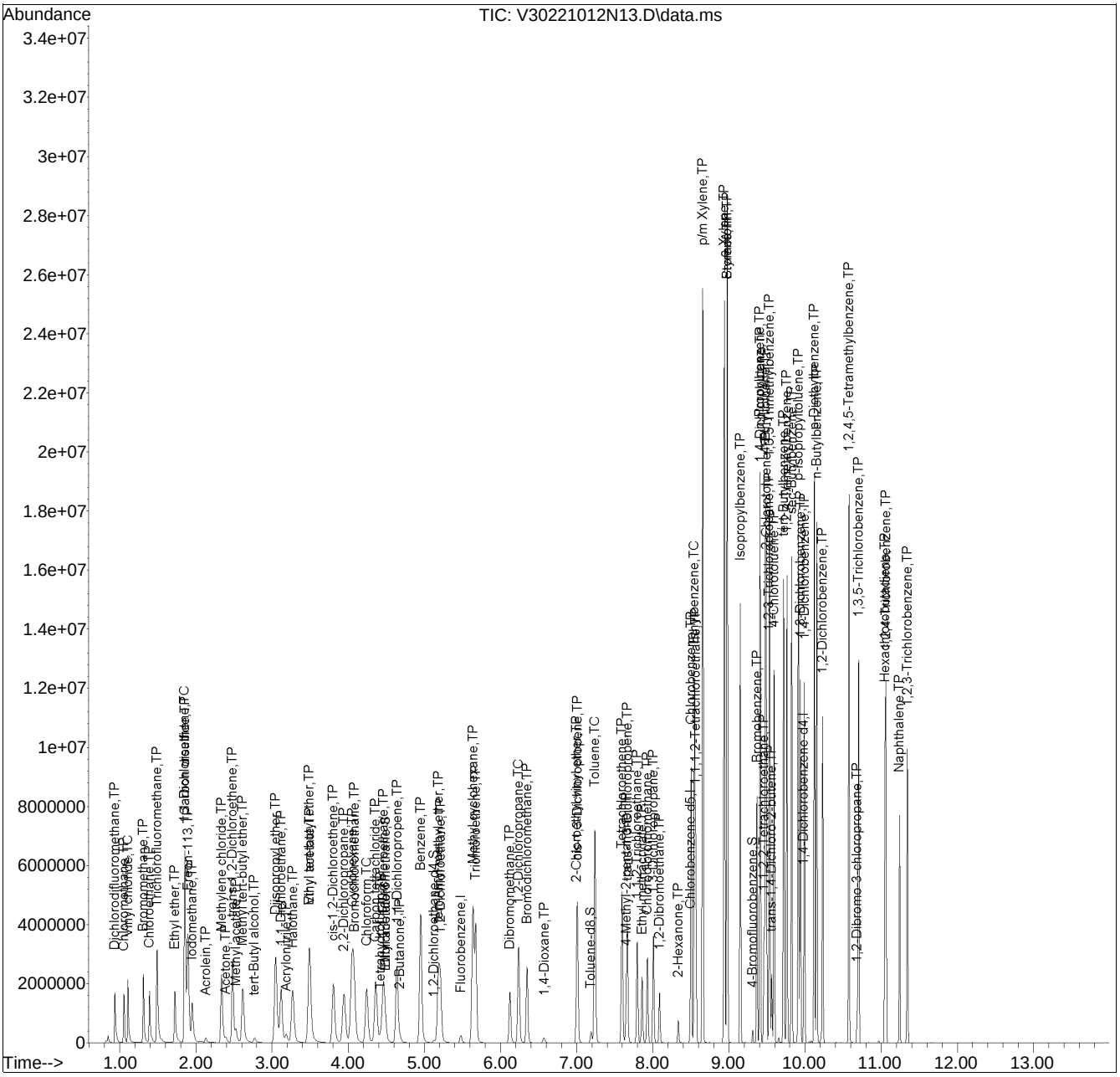
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N13.D
Acq On : 12 Oct 2022 11:12 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1699013,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 13 11:32:05 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:31:33 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21012N-ICAL\V30221012N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA130\2022\2	Q Method	: VOA130_221012N_8260.m
Data File	: V30221012N13.D	Operator	: VOA130:PID
Date Inj'd	: 10/12/2022 11:12 pm	Instrument	: VOA130
Sample	: I8260STD200PPB	Quant Date	: 10/13/2022 11:31 am

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
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	101	0.00
2	TP	Dichlorodifluoromethane	0.203	0.334	-64.5#	167	0.00
3	TP	Chloromethane	0.241	0.337	-39.8#	145	0.00
4	TC	Vinyl chloride	0.263	0.347	-31.9#	139	0.00
5	TP	Bromomethane	0.161	0.214	-32.9#	154	0.00
6	TP	Chloroethane	0.207	0.251	-21.3#	132	0.00
7	TP	Trichlorofluoromethane	0.440	0.561	-27.5#	133	0.00
8	TP	Ethyl ether	0.114	0.144	-26.3#	136	0.00
10	TC	1,1-Dichloroethene	0.256	0.289	-12.9	118	0.00
11	TP	Carbon disulfide	0.634	0.882	-39.1#	145	0.00
12	TP	Freon-113	0.272	0.326	-19.9	126	0.00
13	TP	Iodomethane	* 10.000	8.541	14.6	117	0.00
14	TP	Acrolein	0.025	0.021	16.0	91	0.00
15	TP	Methylene chloride	0.225	0.244	-8.4	117	0.00
17	TP	Acetone	* 10.000	11.097	-11.0	104	0.00
18	TP	trans-1,2-Dichloroethene	0.215	0.235	-9.3	117	0.00
19	TP	Methyl acetate	0.094	0.093	1.1	104	0.00
20	TP	Methyl tert-butyl ether	0.344	0.351	-2.0	120	0.00
21	TP	tert-Butyl alcohol	0.00715	0.00800#	-11.9	131	0.00
22	TP	Diisopropyl ether	0.610	0.549	10.0	114	0.00
23	TP	1,1-Dichloroethane	0.410	0.454	-10.7	117	0.00
24	TP	Halothane	0.168	0.200	-19.0	119	0.00
25	TP	Acrylonitrile	0.049	0.054	-10.2	124	0.00
26	TP	Ethyl tert-butyl ether	0.507	0.449	11.4	118	0.00
27	TP	Vinyl acetate	0.352	0.306	13.1	116	0.00
28	TP	cis-1,2-Dichloroethene	0.241	0.254	-5.4	113	0.00
29	TP	2,2-Dichloropropane	0.248	0.244	1.6	111	0.00
30	TP	Bromochloromethane	0.117	0.125	-6.8	112	0.00
31	TP	Cyclohexane	0.420	0.436	-3.8	120	0.00
32	TC	Chloroform	0.403	0.430	-6.7	114	0.00
33	TP	Ethyl acetate	0.111	0.110	0.9	122	0.00
34	TP	Carbon tetrachloride	0.316	0.350	-10.8	116	0.00
35	TP	Tetrahydrofuran	0.032	0.032	0.0	94	0.00
36	S	Dibromofluoromethane	0.313	0.311	0.6	102	0.00
37	TP	1,1,1-Trichloroethane	0.331	0.370	-11.8	121	0.00
39	TP	2-Butanone	0.049	0.054	-10.2	125	0.00
40	TP	1,1-Dichloropropene	0.285	0.291	-2.1	117	0.00
41	TP	Benzene	0.795	0.843	-6.0	112	0.00
42	TP	tert-Amyl methyl ether	* 10.000	9.445	5.5	117	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
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	0.316	0.315	0.3	100	0.00
44	TP	1,2-Dichloroethane	0.298	0.313	-5.0	117	0.00
47	TP	Methyl cyclohexane	0.376	0.351	6.6	118	0.00
48	TP	Trichloroethene	0.214	0.231	-7.9	114	0.00
50	TP	Dibromomethane	0.124	0.129	-4.0	112	0.00
51	TC	1,2-Dichloropropane	0.220	0.227	-3.2	113	0.00
53	TP	2-Chloroethyl vinyl ether	0.097	0.093	4.1	127	0.00
54	TP	Bromodichloromethane	0.310	0.331	-6.8	117	0.00
57	TP	1,4-Dioxane	0.00091	0.00095#	-4.4	116	0.00
58	TP	cis-1,3-Dichloropropene	0.302	0.287#	5.0	115	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
60	S	Toluene-d8	1.247	1.268	-1.7	100	0.00
61	TC	Toluene	0.664	0.690	-3.9	114	0.00
62	TP	4-Methyl-2-pentanone	0.052	0.052	0.0	130	0.00
63	TP	Tetrachloroethene	0.288	0.304	-5.6	115	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	9.167	8.3	121	0.00
67	TP	Ethyl methacrylate	0.183	0.204	-11.5	131	0.00
68	TP	1,1,2-Trichloroethane	0.165	0.176#	-6.7	116	0.00
69	TP	Chlorodibromomethane	0.276	0.292	-5.8	117	0.00
70	TP	1,3-Dichloropropane	0.349	0.363	-4.0	116	0.00
71	TP	1,2-Dibromoethane	0.193	0.197#	-2.1	115	0.00
72	TP	2-Hexanone	0.082	0.086	-4.9	124	0.00
73	TP	Chlorobenzene	0.762	0.811	-6.4	118	0.00
74	TC	Ethylbenzene	1.262	1.335	-5.8	118	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.273	0.273	0.0	120	0.00
76	TP	p/m Xylene	0.507	0.536	-5.7	116	0.00
77	TP	o Xylene	0.489	0.546	-11.7	124	0.00
78	TP	Styrene	0.820	0.948	-15.6	127	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
80	TP	Bromoform	0.301	0.306	-1.7	126	0.00
82	TP	Isopropylbenzene	2.359	2.534	-7.4	117	0.00
83	S	4-Bromofluorobenzene	0.795	0.807	-1.5	101	0.00
84	TP	Bromobenzene	0.591	0.635	-7.4	118	0.00
85	TP	n-Propylbenzene	2.890	3.125	-8.1	116	0.00
86	TP	1,4-Dichlorobutane	0.619	0.704	-13.7	137	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.412	0.414	-0.5	114	0.00
88	TP	4-Ethyltoluene	2.385	2.864	-20.1#	132	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
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		1.970	2.123	-7.8	119	0.00
90	TP	1,3,5-Trimethylbenzene		2.100	2.027	3.5	117	0.00
91	TP	1,2,3-Trichloropropane		0.320	0.318	0.6	112	0.00
92	TP	trans-1,4-Dichloro-2-butene		0.126	0.147	-16.7	132	0.00
93	TP	4-Chlorotoluene		1.726	1.860	-7.8	116	0.00
94	TP	tert-Butylbenzene		1.920	1.924	-0.2	117	0.00
97	TP	1,2,4-Trimethylbenzene		2.059	2.038	1.0	121	0.00
98	TP	sec-Butylbenzene	*	10.000	9.876	1.2	116	0.00
99	TP	p-Isopropyltoluene	*	10.000	9.520	4.8	118	0.00
100	TP	1,3-Dichlorobenzene		1.220	1.299	-6.5	117	0.00
101	TP	1,4-Dichlorobenzene		1.207	1.227	-1.7	112	0.00
102	TP	p-Diethylbenzene		1.507	1.499	0.5	125	0.00
103	TP	n-Butylbenzene	*	10.000	9.697	3.0	121	0.00
104	TP	1,2-Dichlorobenzene		1.107	1.200	-8.4	120	0.00
105	TP	1,2,4,5-Tetramethylbenzene	*	10.000	10.220	-2.2	130	0.00
106	TP	1,2-Dibromo-3-chloropropane		0.062	0.074	-19.4	129	0.00
107	TP	1,3,5-Trichlorobenzene		0.924	0.929	-0.5	115	0.00
108	TP	Hexachlorobutadiene		0.394	0.395	-0.3	112	0.00
109	TP	1,2,4-Trichlorobenzene		0.788	0.801	-1.6	118	0.00
110	TP	Naphthalene		1.389	1.459	-5.0	120	0.00
111	TP	1,2,3-Trichlorobenzene		0.720	0.774	-7.5	119	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 5 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.479	96	179419	10.000	ug/L	0.00
Standard Area 1 = 177813			Recovery = 100.90%			
59) Chlorobenzene-d5	8.490	117	132573	10.000	ug/L	0.00
Standard Area 1 = 131094			Recovery = 101.13%			
79) 1,4-Dichlorobenzene-d4	9.979	152	72277	10.000	ug/L	0.00
Standard Area 1 = 71103			Recovery = 101.65%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.486	113	55859	9.957	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.57%			
43) 1,2-Dichloroethane-d4	5.127	65	56505	9.960	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.60%			
60) Toluene-d8	7.188	98	168128	10.172	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.72%			
83) 4-Bromofluorobenzene	9.310	95	58333	10.146	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.936	85	59907	16.471	ug/L	99
3) Chloromethane	1.053	50	60431	13.968	ug/L	100
4) Vinyl chloride	1.106	62	62190	13.180	ug/L	96
5) Bromomethane	1.309	94	38465	13.321	ug/L	99
6) Chloroethane	1.393	64	44962	12.113	ug/L	99
7) Trichlorofluoromethane	1.491	101	100741	12.755	ug/L	98
8) Ethyl ether	1.722	74	25903	12.708	ug/L	89
10) 1,1-Dichloroethene	1.853	96	51914	11.283	ug/L	75
11) Carbon disulfide	1.856	76	158211	13.900	ug/L	96
12) Freon-113	1.895	101	58435	11.988	ug/L	98
13) Iodomethane	1.951	142	31697	8.541	ug/L	89
14) Acrolein	2.129	56	3724	8.449	ug/L	95
15) Methylene chloride	2.336	84	43697	10.846	ug/L	76
17) Acetone	2.400	43	7337	11.097	ug/L	96
18) trans-1,2-Dichloroethene	2.481	96	42082	10.886	ug/L	79
19) Methyl acetate	2.525	43	16698	9.926	ug/L	94
20) Methyl tert-butyl ether	2.617	73	62908	10.192	ug/L	93
21) tert-Butyl alcohol	2.768	59	7174M1	55.932	ug/L	
22) Diisopropyl ether	3.044	45	98427	8.988	ug/L	90
23) 1,1-Dichloroethane	3.119	63	81495	11.070	ug/L	98
24) Halothane	3.270	117	35899	11.930	ug/L #	64

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.189	53	9773	11.135	ug/L	#	86
26) Ethyl tert-butyl ether	3.493	59	80600	8.855	ug/L		91
27) Vinyl acetate	3.493	43	54892	8.693	ug/L	#	90
28) cis-1,2-Dichloroethene	3.800	96	45539	10.536	ug/L	#	74
29) 2,2-Dichloropropane	3.939	77	43805	9.826	ug/L	#	78
30) Bromochloromethane	4.081	128	22378	10.642	ug/L	#	62
31) Cyclohexane	4.048	56	78172	10.384	ug/L		75
32) Chloroform	4.243	83	77121	10.678	ug/L		98
33) Ethyl acetate	4.494	43	19719M1	9.857	ug/L		
34) Carbon tetrachloride	4.363	117	62815	11.065	ug/L		98
35) Tetrahydrofuran	4.436	42	5827	10.056	ug/L		91
37) 1,1,1-Trichloroethane	4.458	97	66329	11.179	ug/L	#	96
39) 2-Butanone	4.681	43	9650	11.027	ug/L	#	76
40) 1,1-Dichloropropene	4.642	75	52253	10.218	ug/L		93
41) Benzene	4.949	78	151280	10.609	ug/L		93
42) tert-Amyl methyl ether	5.189	73	55377	9.445	ug/L	#	85
44) 1,2-Dichloroethane	5.211	62	56082	10.502	ug/L		97
47) Methyl cyclohexane	5.635	83	63049	9.340	ug/L		80
48) Trichloroethene	5.677	95	41517	10.819	ug/L		93
50) Dibromomethane	6.120	93	23148	10.367	ug/L		95
51) 1,2-Dichloropropane	6.240	63	40639	10.301	ug/L		97
53) 2-Chloroethyl vinyl ether	6.998	63	16655	9.524	ug/L		91
54) Bromodichloromethane	6.346	83	59328	10.652	ug/L		98
57) 1,4-Dioxane	6.574	88	8530	521.267	ug/L	#	81
58) cis-1,3-Dichloropropene	7.010	75	51570	9.502	ug/L		96
61) Toluene	7.238	92	91426	10.388	ug/L		98
62) 4-Methyl-2-pentanone	7.648	58	6896	9.970	ug/L	#	98
63) Tetrachloroethene	7.595	166	40267	10.538	ug/L		92
65) trans-1,3-Dichloropropene	7.665	75	40599	9.167	ug/L		98
67) Ethyl methacrylate	7.857	69	27075	11.153	ug/L		98
68) 1,1,2-Trichloroethane	7.796	83	23358	10.672	ug/L		95
69) Chlorodibromomethane	7.927	129	38703	10.576	ug/L		97
70) 1,3-Dichloropropane	8.008	76	48138	10.400	ug/L		99
71) 1,2-Dibromoethane	8.086	107	26179	10.214	ug/L		98
72) 2-Hexanone	8.334	43	11432	10.526	ug/L		96
73) Chlorobenzene	8.501	112	107491	10.645	ug/L	#	88
74) Ethylbenzene	8.543	91	176941	10.573	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.563	131	36188	9.998	ug/L		94
76) p/m Xylene	8.652	106	142151	21.136	ug/L		95
77) o Xylene	8.937	106	144733	22.313	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221012N-ICAL\V30221012N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.973	104	251412	23.137	ug/L	87
80)	Bromoform	8.976	173	22084	10.138	ug/L	96
82)	Isopropylbenzene	9.146	105	183134	10.742	ug/L	95
84)	Bromobenzene	9.366	156	45909	10.740	ug/L	98
85)	n-Propylbenzene	9.405	91	225893	10.814	ug/L	96
86)	1,4-Dichlorobutane	9.408	55	50861	11.374	ug/L	97
87)	1,1,2,2-Tetrachloroethane	9.458	83	29893	10.028	ug/L	99
88)	4-Ethyltoluene	9.475	105	207005	12.009	ug/L	95
89)	2-Chlorotoluene	9.486	91	153423	10.776	ug/L	93
90)	1,3,5-Trimethylbenzene	9.530	105	146487	9.653	ug/L	89
91)	1,2,3-Trichloropropane	9.525	75	22974	9.935	ug/L	97
92)	trans-1,4-Dichloro-2-b...	9.558	53	10621	11.653	ug/L	96
93)	4-Chlorotoluene	9.589	91	134443	10.777	ug/L	90
94)	tert-Butylbenzene	9.717	119	139033	10.017	ug/L	97
97)	1,2,4-Trimethylbenzene	9.756	105	147313	9.900	ug/L	93
98)	sec-Butylbenzene	9.820	105	213226	9.876	ug/L	97
99)	p-Isopropyltoluene	9.910	119	180651	9.520	ug/L	94
100)	1,3-Dichlorobenzene	9.935	146	93915	10.651	ug/L	97
101)	1,4-Dichlorobenzene	9.988	146	88711	10.168	ug/L	96
102)	p-Diethylbenzene	10.119	119	108379	9.948	ug/L	95
103)	n-Butylbenzene	10.150	91	168722	9.697	ug/L	99
104)	1,2-Dichlorobenzene	10.228	146	86722	10.839	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.573	119	144683	10.220	ug/L	97
106)	1,2-Dibromo-3-chloropr...	10.679	155	5329	11.810	ug/L	91
107)	1,3,5-Trichlorobenzene	10.699	180	67164	10.055	ug/L	95
108)	Hexachlorobutadiene	11.048	225	28549	10.033	ug/L	94
109)	1,2,4-Trichlorobenzene	11.059	180	57883	10.167	ug/L	97
110)	Naphthalene	11.240	128	105472	10.506	ug/L	100
111)	1,2,3-Trichlorobenzene	11.340	180	55912	10.744	ug/L	98

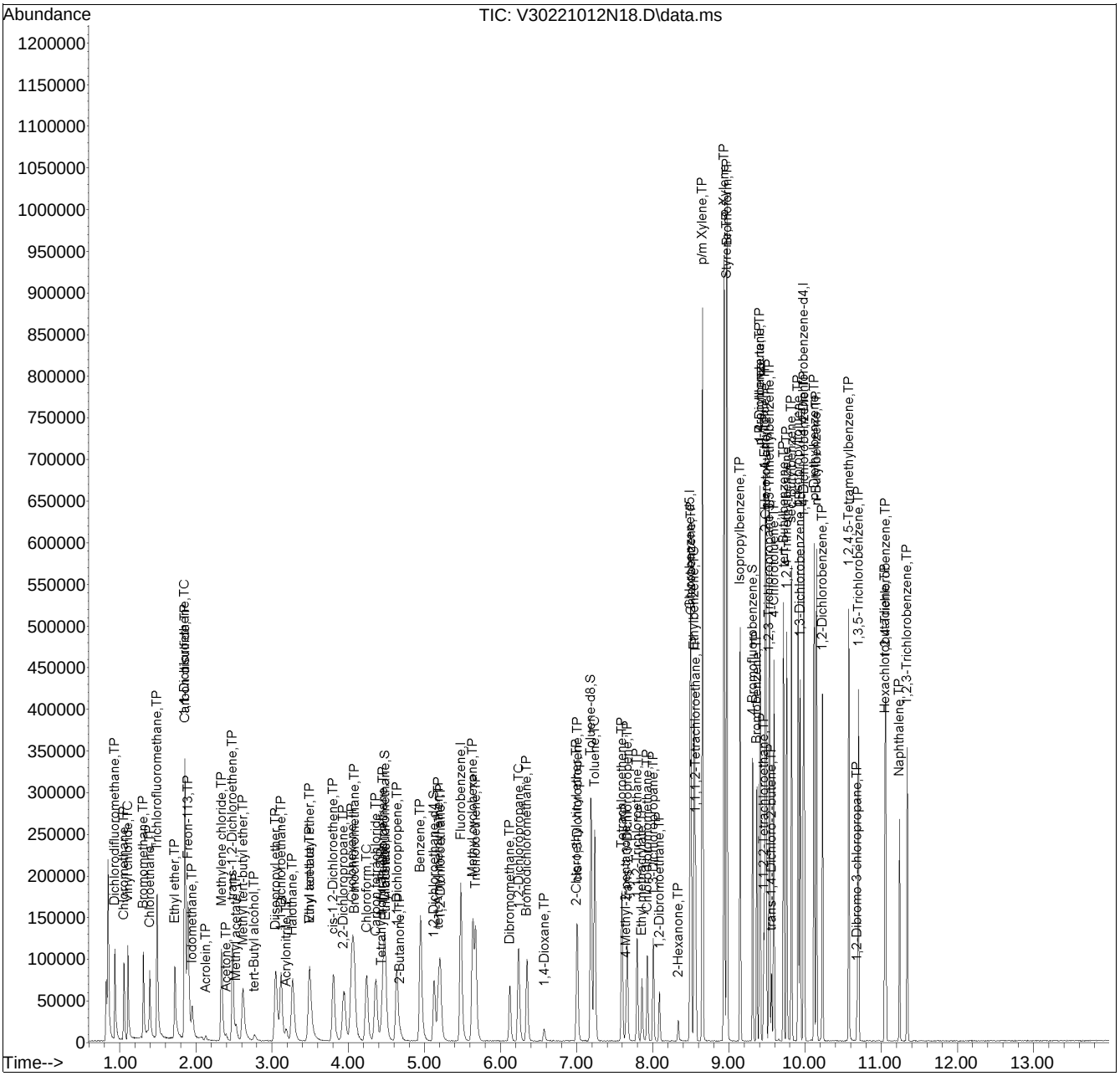
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21012N-ICAL\V30221012N09.D•

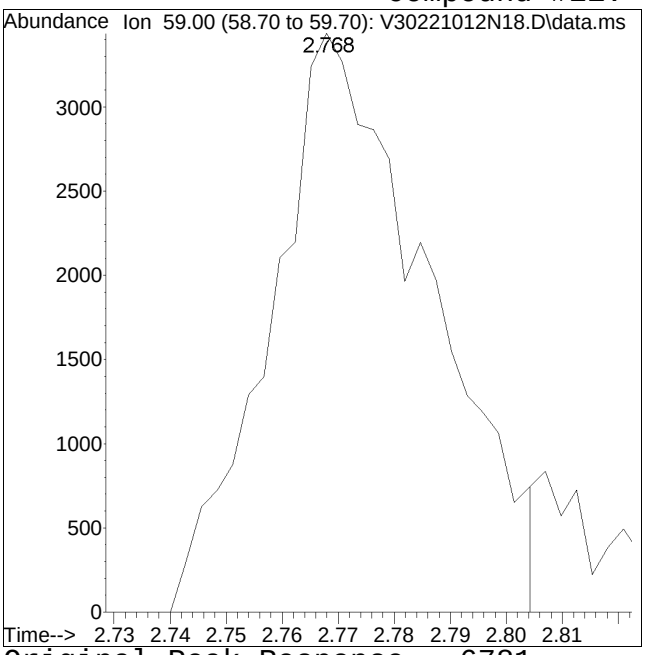


Manual Integration Report

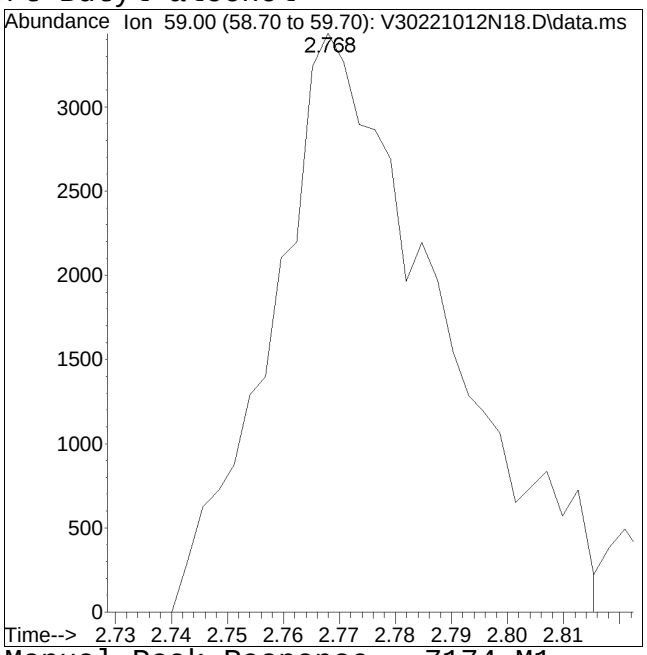
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221012N18.D
Date Inj'd : 10/13/2022 12:49 am
Sample : C8260STD10PPB

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 10/13/2022 11:49 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 6781



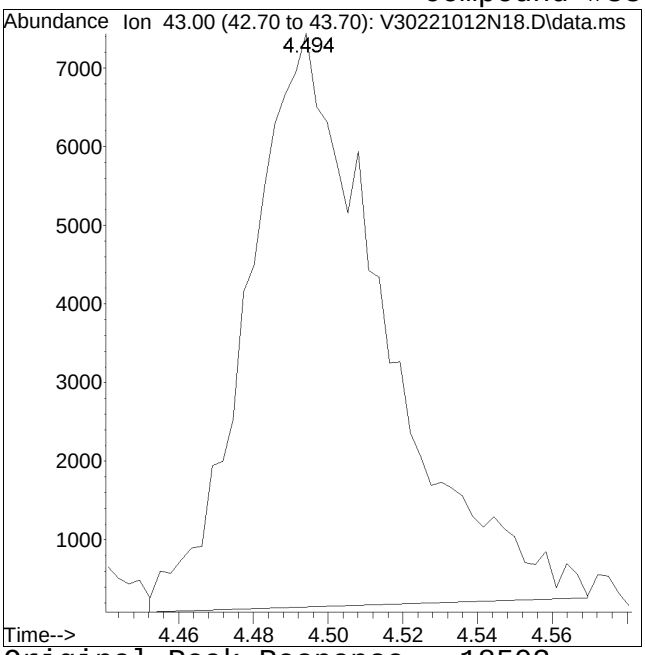
Manual Peak Response = 7174 M1

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

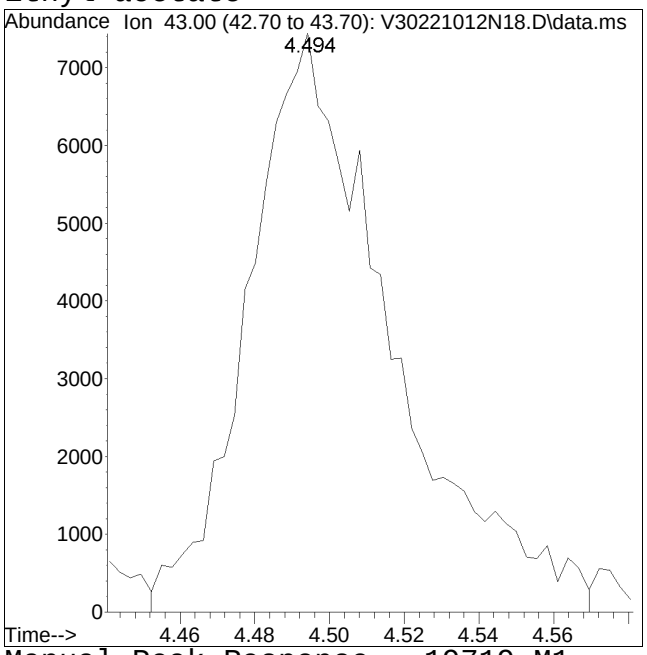
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221012N18.D Operator : VOA130:PID
Date Inj'd : 10/13/2022 12:49 am Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 10/13/2022 11:49 am

Compound #33: Ethyl acetate



Original Peak Response = 18503



Manual Peak Response = 19719 M1

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

Correlation Data Summary

Method Path:	I:\VOLATILES\VOA130\2022\221012N-ICAL\
Method File:	VOA130_221012N_8260.m
Method Title:	VOLATILES BY GC/MS
Last Update:	Thu Oct 13 11:46:57 2022
CSV generated:	Thu Oct 13 12:07:56 2022

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
Iodomethane	Quadratic	0.997867	0.001796	0.240558	-0.030096
Acetone	Linear	0.997806	0	0.032405	0.004932
tert-Amyl methyl ether	Quadratic	0.99928	0.005627	0.3474	-0.024491
trans-1,3-Dichloropropene	Quadratic	0.998626	0.002578	0.34384	-0.011124
sec-Butylbenzene	Linear	0.999332	0	3.089654	-0.101093
p-Isopropyltoluene	Linear	0.998991	0	2.739675	-0.108736
n-Butylbenzene	Linear	0.998921	0	2.507598	-0.097152
1,2,4,5-Tetramethylbenzene	Quadratic	0.999135	0.02403	2.143957	-0.214544

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Method File : V108_221110N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 11 07:43:37 2022
Response Via : Initial Calibration

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.154	0.209	0.189	0.192	0.187	0.189	0.192	0.187	8.80
3)	TP	Chloromethane		0.214	0.223	0.209	0.212	0.203	0.203	0.204	0.210	3.45
4)	TC	Vinyl chloride	0.149	0.223	0.258	0.236	0.242	0.232	0.233	0.234	0.226	14.39
5)	TP	Bromomethane		0.219	0.205	0.201	0.210	0.220	0.234	0.248	0.220	7.62
6)	TP	Chloroethane		0.260	0.260	0.232	0.239	0.212	0.206	0.209	0.231	9.96
7)	TP	Trichlorofluor...		0.477	0.538	0.505	0.521	0.496	0.490	0.504	0.504	3.98
8)	TP	Ethyl ether		0.183	0.179	0.161	0.162	0.154	0.154	0.153	0.164	7.53
10)	TC	1,1-Dichloroet...		0.307	0.322	0.293	0.299	0.285	0.288	0.291	0.298	4.33
11)	TP	Carbon disulfide		0.507	0.560	0.507	0.523	0.505	0.504	0.514	0.517	3.86
12)	TP	Freon-113		0.277	0.337	0.305	0.316	0.301	0.301	0.307	0.306	5.85
13)	TP	Iodomethane		0.298	0.344	0.364	0.394	0.398	0.389	0.384	0.367	9.77
14)	TP	Acrolein		0.051	0.038	0.035	0.035	0.035	0.036	0.037	0.038	14.65
15)	TP	Methylene chlo...		0.307	0.266	0.245	0.244	0.237	0.237	0.239	0.253	10.07
17)	TP	Acetone			0.081	0.069	0.068	0.067	0.066	0.067	0.070	8.15
18)	TP	trans-1,2-Dich...		0.231	0.249	0.238	0.247	0.240	0.240	0.246	0.242	2.57
19)	TP	Methyl acetate		0.239	0.172	0.163	0.162	0.159	0.161	0.162	0.174	16.55
20)	TP	Methyl tert-bu...		0.639	0.659	0.634	0.655	0.642	0.644	0.657	0.647	1.52
21)	TP	tert-Butyl alc...		0.030	0.030	0.028	0.029	0.029	0.030	0.031	0.030	3.57
22)	TP	Diisopropyl ether		0.670	0.678	0.654	0.684	0.670	0.678	0.688	0.675	1.69
23)	TP	1,1-Dichloroet...		0.366	0.410	0.392	0.395	0.385	0.387	0.396	0.390	3.39
24)	TP	Halothane		0.175	0.211	0.195	0.201	0.197	0.200	0.205	0.198	5.73
25)	TP	Acrylonitrile		0.081	0.083	0.075	0.076	0.074	0.075	0.077	0.077	4.20
26)	TP	Ethyl tert-but...		0.657	0.690	0.687	0.718	0.713	0.729	0.747	0.706	4.27
27)	TP	Vinyl acetate		0.431	0.476	0.449	0.483	0.442	0.483	0.496	0.466	5.29
28)	TP	cis-1,2-Dichlo...		0.257	0.294	0.277	0.280	0.279	0.282	0.285	0.279	4.03
29)	TP	2,2-Dichloropr...		0.358	0.383	0.346	0.366	0.358	0.363	0.365	0.363	3.09
30)	TP	Bromochloromet...		0.159	0.155	0.156	0.156	0.151	0.152	0.152	0.154	2.00
31)	TP	Cyclohexane		0.337	0.346	0.323	0.336	0.328	0.333	0.345	0.335	2.54
32)	TC	Chloroform		0.440	0.458	0.435	0.448	0.445	0.445	0.447	0.445	1.56
33)	TP	Ethyl acetate		0.222	0.251	0.234	0.240	0.238	0.237	0.238	0.237	3.63

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Method File : V108_221110N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 11 07:43:37 2022
Response Via : Initial Calibration

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.305	0.303	0.363	0.347	0.370	0.370	0.378	0.387	0.353	9.13
35)	TP	Tetrahydrofuran		0.100	0.090	0.073	0.070	0.071	0.069	0.069	0.077	16.13
36)	S	Dibromofluorom...	0.294	0.297	0.296	0.294	0.294	0.294	0.293	0.286	0.293	1.14
37)	TP	1,1,1-Trichlor...		0.362	0.410	0.382	0.398	0.392	0.394	0.395	0.390	3.88
39)	TP	2-Butanone			0.132	0.109	0.112	0.113	0.114	0.114	0.116	7.12
40)	TP	1,1-Dichloropr...		0.297	0.316	0.304	0.315	0.309	0.315	0.318	0.311	2.40
41)	TP	Benzene	0.879	0.867	0.956	0.918	0.946	0.955	0.962	0.969	0.931	4.21
42)	TP	tert-Amyl meth...		0.715	0.710	0.696	0.749	0.760	0.774	0.785	0.741	4.63
43)	S	1,2-Dichloroet...	0.316	0.323	0.313	0.311	0.305	0.299	0.302	0.301	0.309	2.74
44)	TP	1,2-Dichloroet...		0.366	0.351	0.334	0.349	0.342	0.345	0.347	0.348	2.82
47)	TP	Methyl cyclohe...		0.343	0.393	0.372	0.395	0.398	0.405	0.416	0.389	6.18
48)	TP	Trichloroethene	0.255	0.234	0.285	0.272	0.277	0.281	0.281	0.282	0.271	6.46
50)	TP	Dibromomethane		0.170	0.186	0.183	0.188	0.188	0.190	0.190	0.185	3.82
51)	TC	1,2-Dichloropr...		0.231	0.243	0.226	0.238	0.237	0.236	0.236	0.235	2.29
53)	TP	2-Chloroethyl ...		0.128	0.149	0.153	0.164	0.167	0.170	0.173	0.158	9.92
54)	TP	Bromodichlorom...		0.322	0.349	0.339	0.357	0.364	0.365	0.367	0.352	4.75
57)	TP	1,4-Dioxane		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	3.99
58)	TP	cis-1,3-Dichlo...		0.390	0.397	0.394	0.422	0.426	0.432	0.439	0.414	4.85
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.238	1.256	1.240	1.214	1.200	1.177	1.175	1.173	1.209	2.72
61)	TC	Toluene		0.703	0.798	0.747	0.776	0.782	0.771	0.799	0.768	4.35
62)	TP	4-Methyl-2-pen...		0.106	0.104	0.110	0.115	0.116	0.114	0.116	0.111	4.42
63)	TP	Tetrachloroethene		0.345	0.376	0.359	0.376	0.368	0.367	0.375	0.367	3.12
65)	TP	trans-1,3-Dich...		0.439	0.470	0.466	0.491	0.495	0.486	0.496	0.478	4.36
67)	TP	Ethyl methacry...		0.368	0.360	0.366	0.388	0.391	0.392	0.400	0.381	4.09
68)	TP	1,1,2-Trichlor...		0.248	0.247	0.241	0.247	0.242	0.237	0.238	0.243	1.85
69)	TP	Chlorodibromom...		0.340	0.375	0.359	0.379	0.394	0.393	0.402	0.377	5.81
70)	TP	1,3-Dichloropr...		0.502	0.507	0.493	0.500	0.488	0.478	0.479	0.492	2.29
71)	TP	1,2-Dibromoethane		0.324	0.326	0.322	0.331	0.333	0.327	0.329	0.327	1.20
72)	TP	2-Hexanone		0.251	0.227	0.208	0.215	0.214	0.207	0.209	0.219	7.27
73)	TP	Chlorobenzene		0.939	0.941	0.908	0.941	0.956	0.953	0.987	0.946	2.49

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Method File : V108_221110N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 11 07:43:37 2022
Response Via : Initial Calibration

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene		1.364	1.505	1.418	1.477	1.504	1.505	1.540	1.473		4.15
75)	TP	1,1,1,2-Tetrac...		0.331	0.341	0.340	0.367	0.377	0.375	0.390	0.360		6.26
76)	TP	p/m Xylene		0.543	0.605	0.578	0.610	0.634	0.633	0.679	0.612		7.10
77)	TP	o Xylene		0.510	0.572	0.546	0.585	0.601	0.612	0.656	0.583		8.06
78)	TP	Styrene		0.827	0.911	0.917	1.015	1.089	1.097	1.009	0.981		10.18
79)	I	1,4-Dichlorobenzene-d4	ISTD										
80)	TP	Bromoform		0.367	0.414	0.428	0.487	0.576	0.601		0.479		19.52
82)	TP	Isopropylbenzene		2.559	2.860	2.621	2.693	2.819	2.768	2.729	2.721		3.93
83)	S	4-Bromofluorob...	0.787	0.807	0.788	0.750	0.755	0.743	0.733	0.708	0.759		4.31
84)	TP	Bromobenzene		0.826	0.803	0.750	0.763	0.777	0.771	0.789	0.783		3.29
85)	TP	n-Propylbenzene		2.967	3.332	3.013	3.137	3.222	3.186	3.089	3.135		4.00
86)	TP	1,4-Dichlorobu...		0.814	0.801	0.710	0.741	0.764	0.757	0.781	0.767		4.62
87)	TP	1,1,2,2-Tetrac...		0.713	0.695	0.692	0.709	0.712	0.706	0.703	0.704		1.17
88)	TP	4-Ethyltoluene		2.426	2.828	2.553	2.668	2.747	2.661	2.682	2.652		4.92
89)	TP	2-Chlorotoluene		2.063	2.256	2.042	2.104	2.149	2.088	2.136	2.120		3.34
90)	TP	1,3,5-Trimethy...		2.149	2.331	2.180	2.317	2.379	2.323	2.386	2.295		4.07
91)	TP	1,2,3-Trichlor...		0.662	0.631	0.563	0.589	0.594	0.578	0.593	0.601		5.59
92)	TP	trans-1,4-Dich...		0.195	0.192	0.177	0.182	0.187	0.183	0.186	0.186		3.17
93)	TP	4-Chlorotoluene		1.892	2.045	1.826	1.881	1.905	1.861	1.873	1.898		3.68
94)	TP	tert-Butylbenzene		2.004	2.179	1.971	2.060	2.086	2.063	2.129	2.070		3.41
97)	TP	1,2,4-Trimethy...		2.016	2.298	2.155	2.297	2.414	2.365	2.388	2.276		6.29
98)	TP	sec-Butylbenzene		2.634	3.151	2.803	2.993	3.068	2.982	2.954	2.941		5.87
99)	TP	p-Isopropyltol...		2.301	2.720	2.506	2.706	2.816	2.754	2.806	2.659		7.08
100)	TP	1,3-Dichlorobe...		1.465	1.555	1.419	1.487	1.554	1.524	1.584	1.513		3.86
101)	TP	1,4-Dichlorobe...		1.523	1.607	1.458	1.502	1.542	1.509	1.580	1.532		3.27
102)	TP	p-Diethylbenzene		1.337	1.588	1.475	1.562	1.663	1.662	1.787	1.582		9.18
103)	TP	n-Butylbenzene		1.972	2.283	2.080	2.219	2.319	2.274	2.334	2.212		6.13
104)	TP	1,2-Dichlorobe...		1.546	1.527	1.409	1.455	1.487	1.459	1.530	1.488		3.33
105)	TP	1,2,4,5-Tetram...		2.086	2.343	2.231	2.467	2.631	2.710	2.822	2.470		10.81
106)	TP	1,2-Dibromo-3-...		0.118	0.141	0.141	0.149	0.155	0.158	0.167	0.147		10.78
107)	TP	1,3,5-Trichlor...		1.043	1.117	1.010	1.094	1.109	1.149	1.234	1.108		6.58

Method Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Method File : V108_221110N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 11 07:43:37 2022
Response Via : Initial Calibration

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.421	0.503	0.439	0.463	0.462	0.467	0.503	0.465		6.50
109)	TP 1,2,4-Trichlor...	1.005	1.122	0.990	1.037	1.020	1.047	1.125	1.050		5.15
110)	TP Naphthalene	2.833	2.907	2.641	2.785	2.777	2.786	2.808	2.791		2.87
111)	TP 1,2,3-Trichlor...	1.054	1.142	0.975	1.022	1.031	1.045	1.113	1.054		5.36

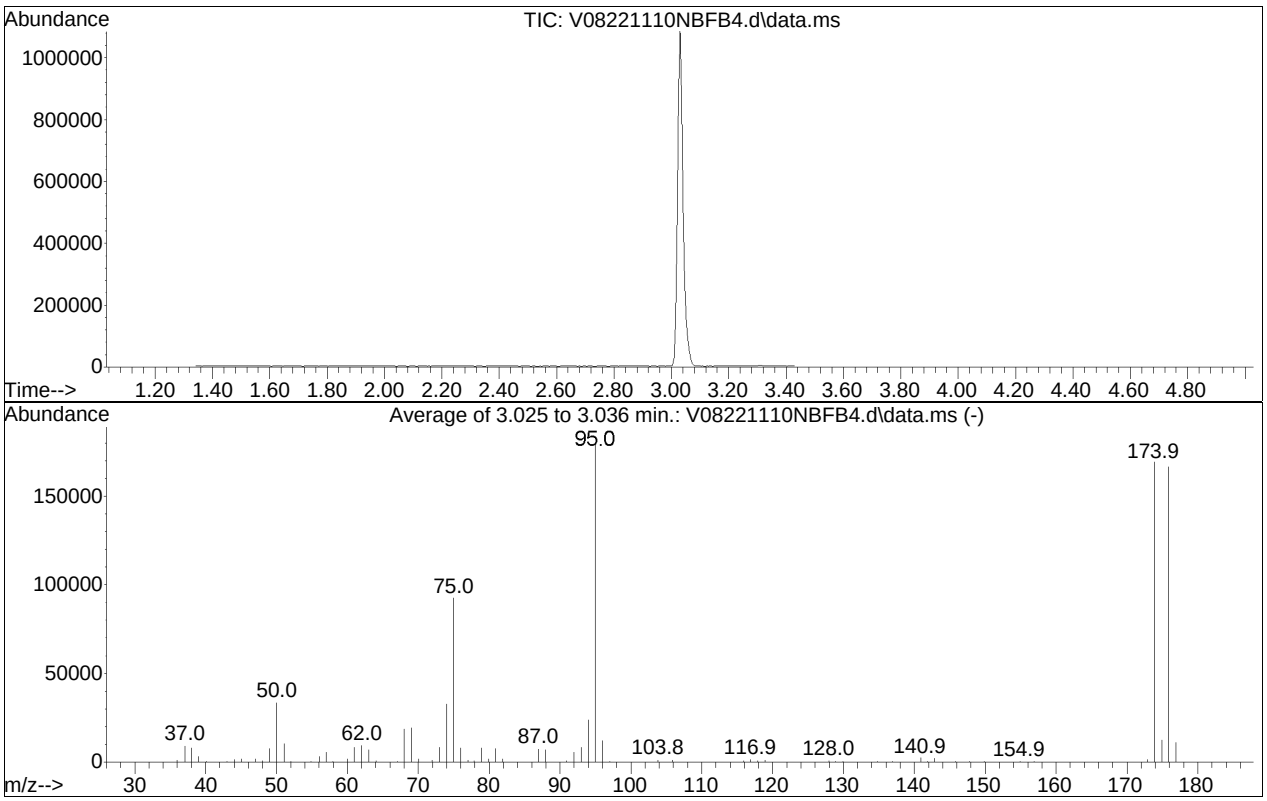
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110NBFB4.d
Acq On : 10 Nov 2022 4:17 pm
Operator : VOA108:KJD
Sample : WG1711062-1
Misc : WG1711062
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 11 07:43:37 2022



AutoFind: Scans 322, 323, 324; Background Corrected with Scan 315

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	33640	PASS
75	95	30	60	51.5	92792	PASS
95	95	100	100	100.0	180203	PASS
96	95	5	9	6.8	12200	PASS
173	174	0.00	2	1.0	1680	PASS
174	95	50	100	93.8	169109	PASS
175	174	5	9	7.4	12485	PASS
176	174	95	101	98.4	166464	PASS
177	176	5	9	6.6	11017	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N04.d
Acq On : 10 Nov 2022 5:38 pm
Operator : VOA108:PID
Sample : I8260STD0.19PPB
Misc : WG1711062,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 07:32:43 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:32:07 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	232631	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery =	98.50%		
59) Chlorobenzene-d5	8.577	117	180083	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery =	96.01%		
79) 1,4-Dichlorobenzene-d4	10.056	152	95613	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery =	91.80%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	68503	10.018	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.18%		
43) 1,2-Dichloroethane-d4	5.285	65	73553	10.162	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.62%		
60) Toluene-d8	7.308	98	222880	10.199	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.99%		
83) 4-Bromofluorobenzene	9.385	95	75254	10.489	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.89%		
Target Compounds						Qvalue
4) Vinyl chloride	1.190	62	660	0.120	ug/L	71
34) Carbon tetrachloride	4.545	117	1350	0.167	ug/L #	89
41) Benzene	5.117	78	3887	0.182	ug/L #	89
48) Trichloroethene	5.819	95	1126	0.178	ug/L	89

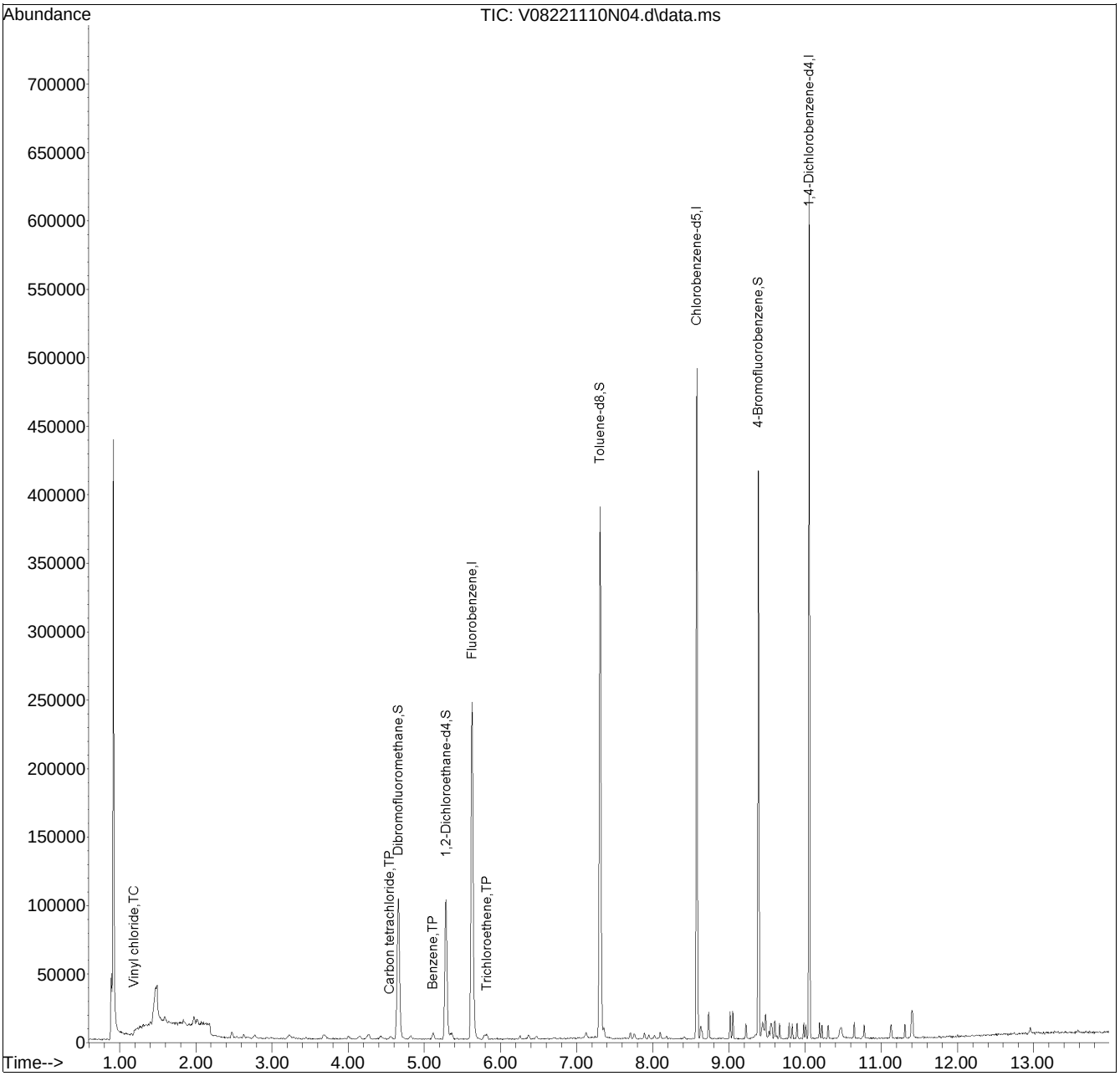
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N04.d
Acq On : 10 Nov 2022 5:38 pm
Operator : VOA108:PID
Sample : I8260STD0.19PPB
Misc : WG1711062,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 07:32:43 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:32:07 2022
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product\V08221110N09.d•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221110N04.d	Operator	: VOA108:PID
Date Inj'd	: 11/10/2022 5:38 pm	Instrument	: VOA 108
Sample	: I8260STD0.19PPB	Quant Date	: 11/11/2022 7:32 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N06.d
Acq On : 10 Nov 2022 6:18 pm
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG1711062,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 07:35:03 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:33:28 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	227685	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery = 96.41%			
59) Chlorobenzene-d5	8.577	117	174105	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery = 92.83%			
79) 1,4-Dichlorobenzene-d4	10.051	152	91519	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery = 87.87%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	67640	10.098	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.98%			
43) 1,2-Dichloroethane-d4	5.279	65	73569	10.302	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.02%			
60) Toluene-d8	7.308	98	218679	10.248	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.48%			
83) 4-Bromofluorobenzene	9.385	95	73815	10.492	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.012	85	1751	0.406	ug/L	85
3) Chloromethane	1.153	50	2439	0.512	ug/L #	94
4) Vinyl chloride	1.190	62	2542	0.579	ug/L	98
5) Bromomethane	1.405	94	2489	0.545	ug/L	95
6) Chloroethane	1.489	64	2956	0.560	ug/L	74
7) Trichlorofluoromethane	1.594	101	5427	0.472	ug/L	96
8) Ethyl ether	1.845	74	2083	0.567	ug/L #	52
10) 1,1-Dichloroethene	1.971	96	3491	0.523	ug/L #	41
11) Carbon disulfide	1.976	76	5772	0.500	ug/L #	76
12) Freon-113	2.018	101	3157	0.455	ug/L #	81
13) Iodomethane	2.076	142	3394	0.410	ug/L	89
14) Acrolein	2.259	56	577	0.721	ug/L #	61
15) Methylene chloride	2.469	84	3491	0.626	ug/L #	60
17) Acetone	2.537	43	1514M6	0.969	ug/L	
18) trans-1,2-Dichloroethene	2.626	96	2630	0.485	ug/L #	64
19) Methyl acetate	2.674	43	2716	0.733	ug/L #	93
20) Methyl tert-butyl ether	2.778	73	7277	0.504	ug/L	92
21) tert-Butyl alcohol	2.941	59	1694	2.680	ug/L #	12
22) Diisopropyl ether	3.224	45	7623	0.512	ug/L #	72
23) 1,1-Dichloroethane	3.292	63	4172	0.468	ug/L	90
24) Halothane	3.444	117	1995	0.449	ug/L	98

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N06.d
Acq On : 10 Nov 2022 6:18 pm
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG1711062,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 07:35:03 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:33:28 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
25) Acrylonitrile	3.355	53	923	0.539 ug/L	#	68
26) Ethyl tert-butyl ether	3.696	59	7475	0.478 ug/L	#	74
27) Vinyl acetate	3.675	43	4910M6	0.481 ug/L		
28) cis-1,2-Dichloroethene	4.000	96	2930	0.465 ug/L	#	61
29) 2,2-Dichloropropane	4.152	77	4071	0.516 ug/L	#	78
30) Bromochloromethane	4.273	128	1814	0.510 ug/L	#	38
31) Cyclohexane	4.257	56	3836	0.522 ug/L	#	61
32) Chloroform	4.425	83	5011	0.505 ug/L		91
33) Ethyl acetate	4.671	43	2526M6	0.473 ug/L		
34) Carbon tetrachloride	4.551	117	3447	0.464 ug/L		92
35) Tetrahydrofuran	4.635	42	1137	0.685 ug/L		93
37) 1,1,1-Trichloroethane	4.645	97	4116	0.473 ug/L		93
39) 2-Butanone	4.855	43	2163	0.873 ug/L	#	78
40) 1,1-Dichloropropene	4.823	75	3385	0.488 ug/L		94
41) Benzene	5.117	78	9869	0.482 ug/L		89
42) tert-Amyl methyl ether	5.348	73	8143	0.514 ug/L		88
44) 1,2-Dichloroethane	5.363	62	4169	0.548 ug/L		97
47) Methyl cyclohexane	5.788	83	3910	0.462 ug/L	#	65
48) Trichloroethene	5.825	95	2669	0.445 ug/L	#	84
50) Dibromomethane	6.260	93	1934	0.464 ug/L	#	85
51) 1,2-Dichloropropane	6.370	63	2628	0.510 ug/L	#	86
53) 2-Chloroethyl vinyl ether	7.109	63	1461	0.421 ug/L	#	82
54) Bromodichloromethane	6.470	83	3663	0.475 ug/L	#	96
57) 1,4-Dioxane	6.695	88	6215	100.733 ug/L	#	69
58) cis-1,3-Dichloropropene	7.130	75	4441	0.495 ug/L		95
61) Toluene	7.361	92	6124	0.471 ug/L		88
62) 4-Methyl-2-pentanone	7.744	58	921	0.482 ug/L	#	61
63) Tetrachloroethene	7.707	166	3000	0.480 ug/L		87
65) trans-1,3-Dichloropropene	7.759	75	3820	0.471 ug/L		98
67) Ethyl methacrylate	7.948	69	3203	0.502 ug/L		93
68) 1,1,2-Trichloroethane	7.890	83	2158	0.514 ug/L		88
69) Chlorodibromomethane	8.021	129	2958	0.474 ug/L		95
70) 1,3-Dichloropropane	8.095	76	4369	0.509 ug/L		95
71) 1,2-Dibromoethane	8.179	107	2818	0.503 ug/L		95
72) 2-Hexanone	8.415	43	2189	0.605 ug/L	#	83
73) Chlorobenzene	8.588	112	8177	0.517 ug/L		99
74) Ethylbenzene	8.630	91	11877	0.481 ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.645	131	2881	0.487 ug/L		94
76) p/m Xylene	8.735	106	9461	0.941 ug/L		90
77) o Xylene	9.012	106	8878	0.935 ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N06.d
Acq On : 10 Nov 2022 6:18 pm
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG1711062,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 07:35:03 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:33:28 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.049	104	14402	0.902	ug/L	#	84
80) Bromoform	9.049	173	1680	0.428	ug/L		90
82) Isopropylbenzene	9.222	105	11709	0.488	ug/L		95
84) Bromobenzene	9.442	156	3781	0.551	ug/L		98
85) n-Propylbenzene	9.479	91	13577	0.492	ug/L		92
86) 1,4-Dichlorobutane	9.479	55	3725	0.573	ug/L		99
87) 1,1,2,2-Tetrachloroethane	9.526	83	3263	0.516	ug/L		99
88) 4-Ethyltoluene	9.547	105	11102	0.475	ug/L		94
89) 2-Chlorotoluene	9.563	91	9442	0.505	ug/L	#	86
90) 1,3,5-Trimethylbenzene	9.605	105	9834	0.493	ug/L		92
91) 1,2,3-Trichloropropane	9.594	75	3027	0.587	ug/L		95
92) trans-1,4-Dichloro-2-b...	9.626	53	891	0.549	ug/L	#	75
93) 4-Chlorotoluene	9.663	91	8657M3	0.518	ug/L		
94) tert-Butylbenzene	9.788	119	9172	0.508	ug/L		94
97) 1,2,4-Trimethylbenzene	9.830	105	9225	0.468	ug/L		89
98) sec-Butylbenzene	9.893	105	12052	0.470	ug/L		94
99) p-Isopropyltoluene	9.982	119	10530	0.459	ug/L		93
100) 1,3-Dichlorobenzene	10.009	146	6703	0.516	ug/L		99
101) 1,4-Dichlorobenzene	10.061	146	6971	0.522	ug/L	#	92
102) p-Diethylbenzene	10.187	119	6120	0.453	ug/L		95
103) n-Butylbenzene	10.218	91	9023	0.474	ug/L		93
104) 1,2-Dichlorobenzene	10.302	146	7073	0.548	ug/L		94
105) 1,2,4,5-Tetramethylben...	10.643	119	9547	0.468	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.753	155	539	0.417	ug/L	#	66
107) 1,3,5-Trichlorobenzene	10.774	180	4772	0.517	ug/L	#	92
108) Hexachlorobutadiene	11.120	225	1928	0.480	ug/L		99
109) 1,2,4-Trichlorobenzene	11.131	180	4599	0.508	ug/L		97
110) Naphthalene	11.309	128	12965	0.536	ug/L		100
111) 1,2,3-Trichlorobenzene	11.414	180	4822	0.540	ug/L		98

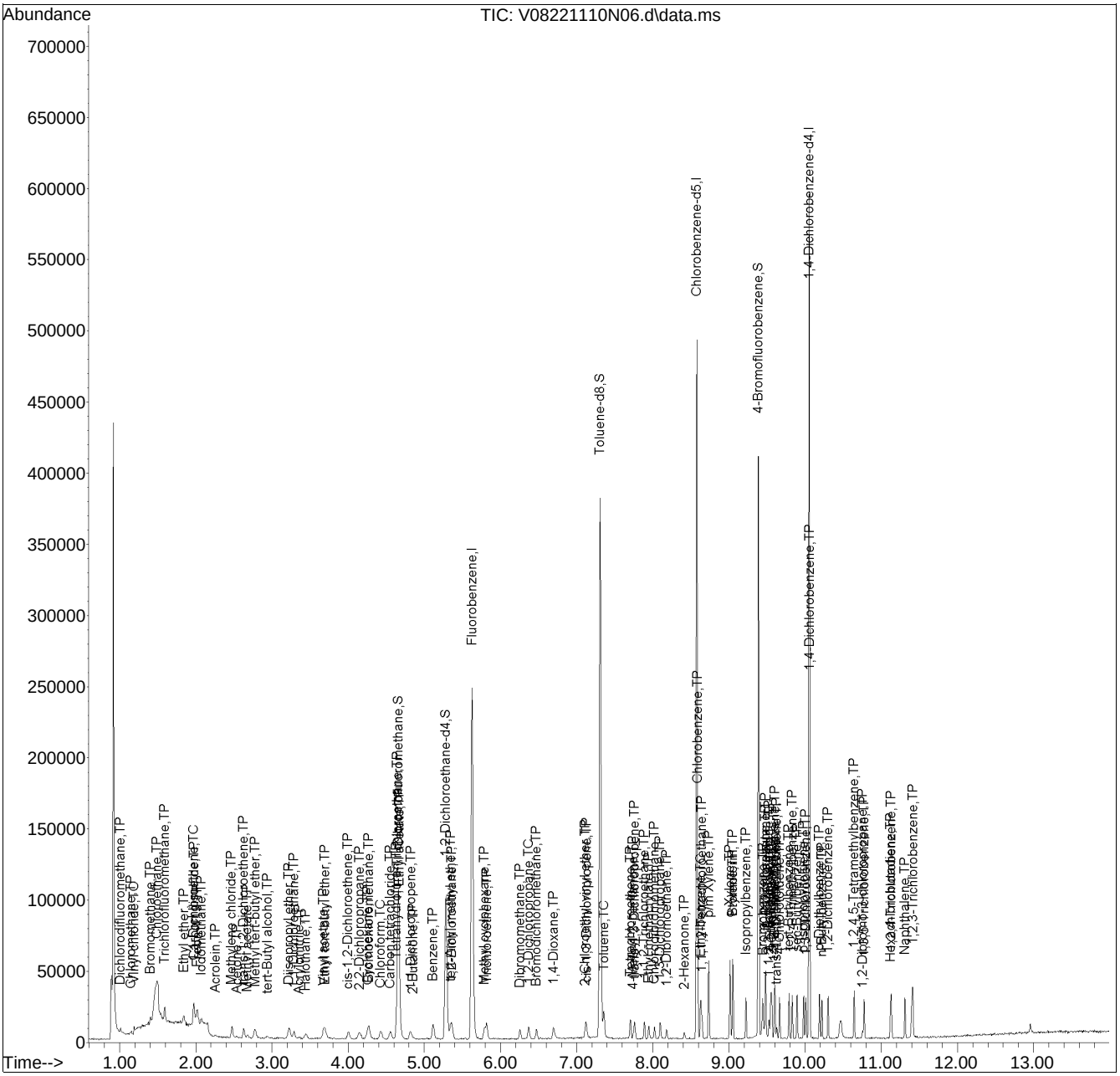
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N06.d
Acq On : 10 Nov 2022 6:18 pm
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG1711062,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 07:35:03 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:33:28 2022
Response via : Initial Calibration

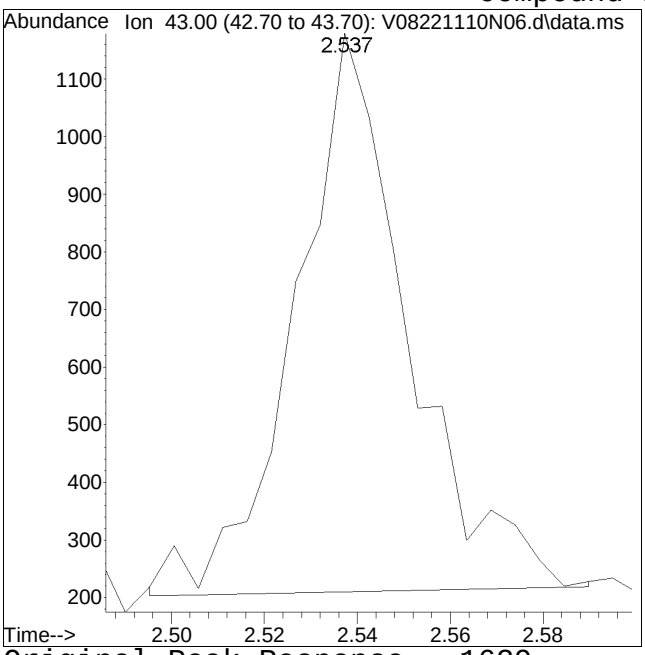
Sub List : 8260-Curve - Megamix plus Diox21110NICAL\V08221110N09.d•



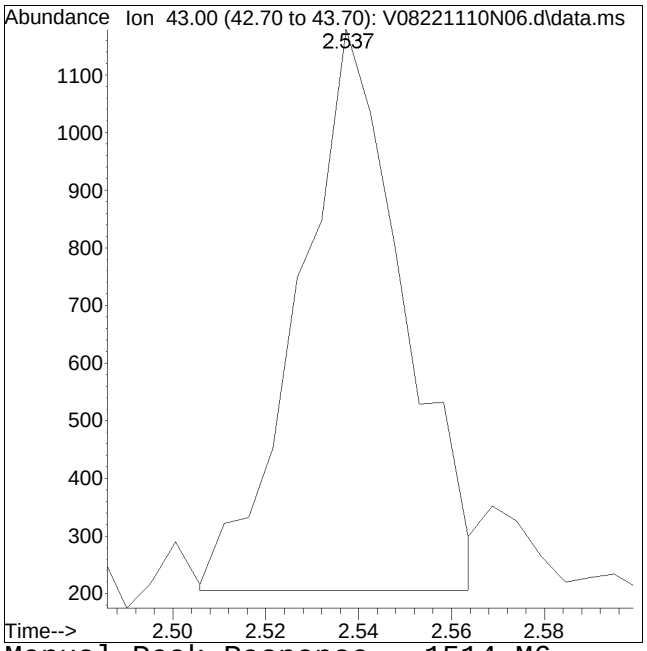
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221110N06.d Operator : VOA108:PID
Date Inj'd : 11/10/2022 6:18 pm Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 11/11/2022 7:33 am

Compound #17: Acetone



Original Peak Response = 1629



Manual Peak Response = 1514 M6

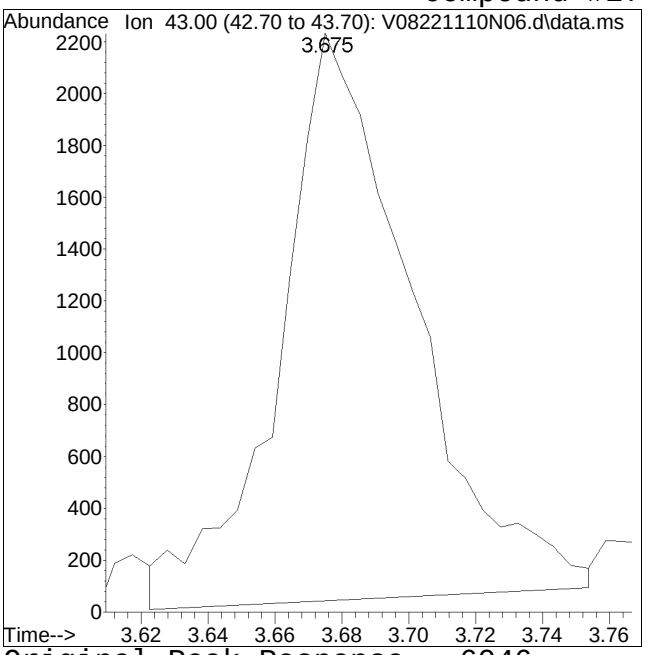
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

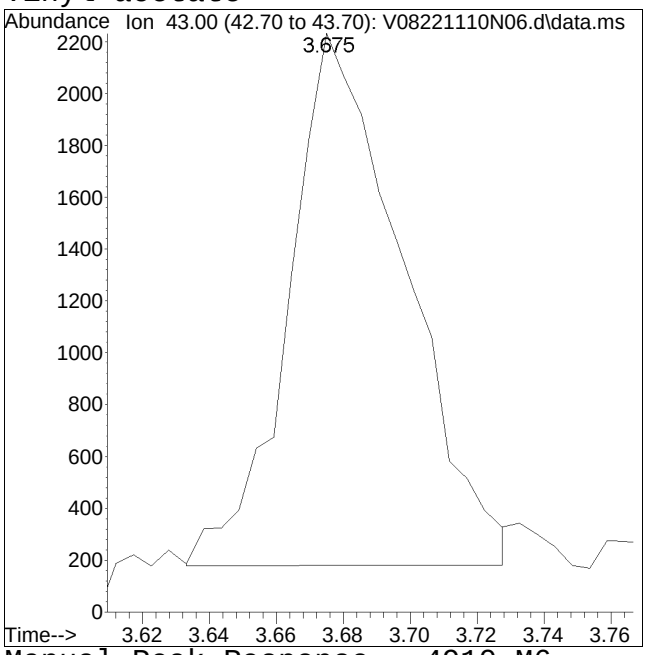
Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221110N06.d
Date Inj'd : 11/10/2022 6:18 pm
Sample : I8260STD0.5PPB

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/11/2022 7:33 am

Compound #27: Vinyl acetate



Original Peak Response = 6046



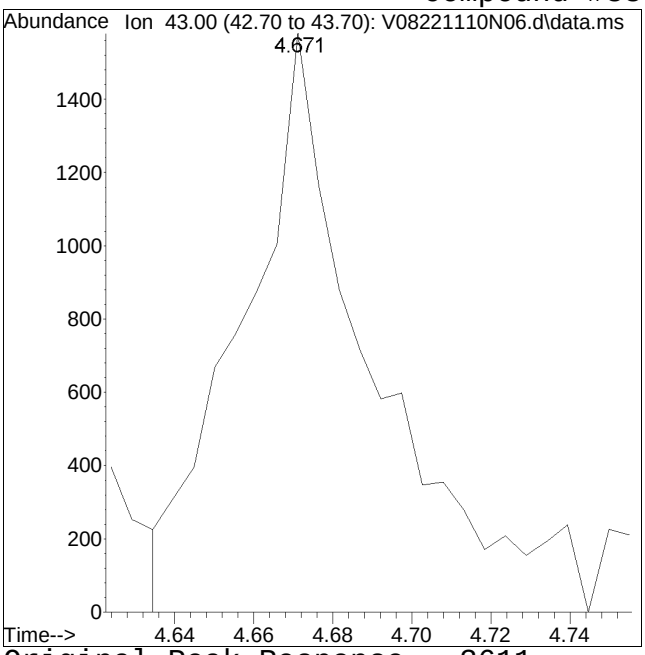
Manual Peak Response = 4910 M6

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

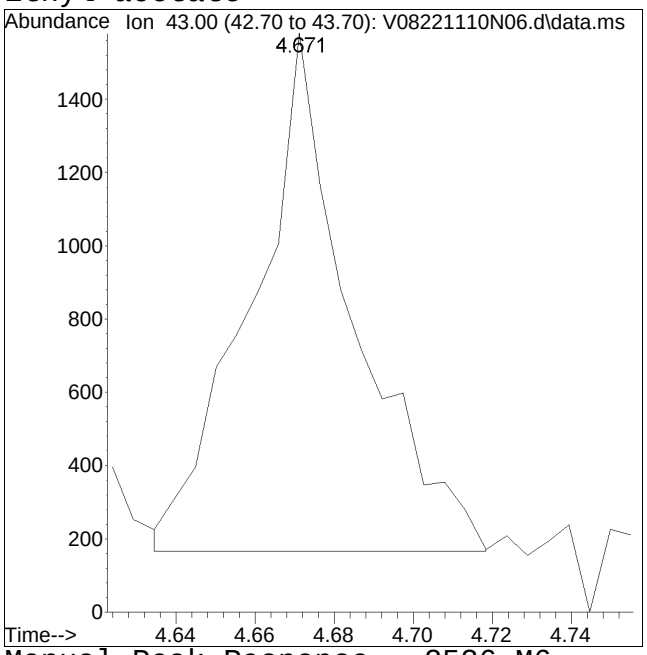
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221110N06.d Operator : VOA108:PID
Date Inj'd : 11/10/2022 6:18 pm Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 11/11/2022 7:33 am

Compound #33: Ethyl acetate



Original Peak Response = 3611



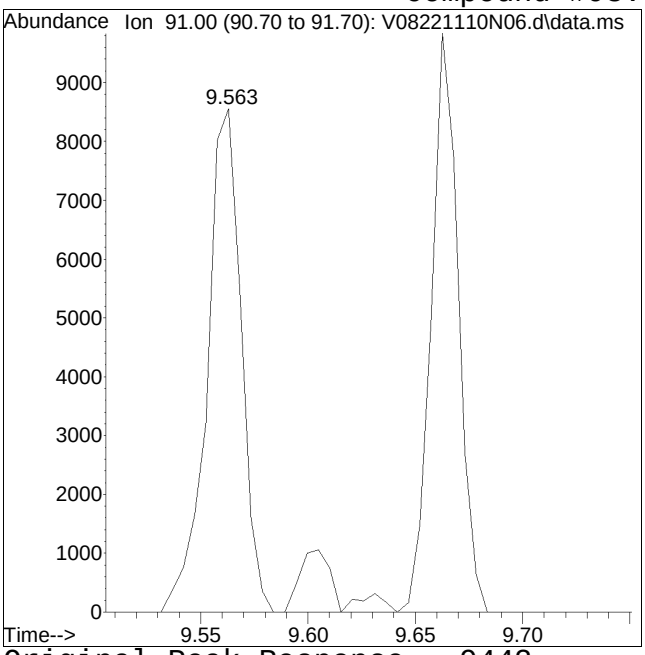
Manual Peak Response = 2526 M6

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

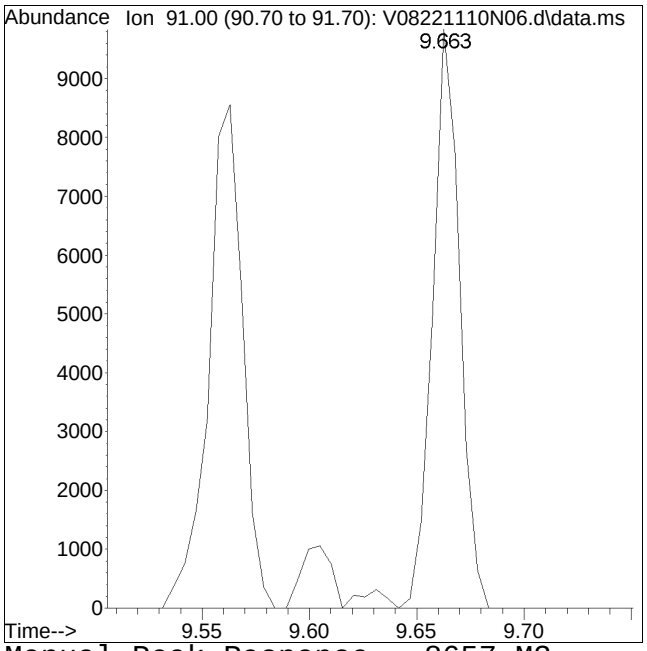
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221110N06.d Operator : VOA108:PID
Date Inj'd : 11/10/2022 6:18 pm Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 11/11/2022 7:33 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 9442



Manual Peak Response = 8657 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N08.d
Acq On : 10 Nov 2022 6:58 pm
Operator : VOA108:PID
Sample : I8260STD2.0PPB
Misc : WG1711062,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 11 07:38:56 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:35:15 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	231179	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery =	97.89%		
59) Chlorobenzene-d5	8.577	117	180806	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery =	96.40%		
79) 1,4-Dichlorobenzene-d4	10.056	152	95574	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery =	91.76%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.660	113	68379	10.021	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.21%		
43) 1,2-Dichloroethane-d4	5.284	65	72253	9.865	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.65%		
60) Toluene-d8	7.308	98	224214	10.035	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.35%		
83) 4-Bromofluorobenzene	9.384	95	75351	10.090	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.90%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	9651M1	2.433	ug/L	
3) Chloromethane	1.158	50	10293	2.104	ug/L	100
4) Vinyl chloride	1.190	62	11912	2.539	ug/L	97
5) Bromomethane	1.405	94	9481	1.956	ug/L	99
6) Chloroethane	1.488	64	12006	2.114	ug/L	90
7) Trichlorofluoromethane	1.593	101	24862	2.190	ug/L	99
8) Ethyl ether	1.840	74	8269	2.078	ug/L #	54
10) 1,1-Dichloroethene	1.971	96	14908	2.151	ug/L #	50
11) Carbon disulfide	1.981	76	25890	2.209	ug/L	95
12) Freon-113	2.018	101	15573	2.314	ug/L	90
13) Iodomethane	2.076	142	15902	2.078	ug/L	84
14) Acrolein	2.264	56	1767M3	1.781	ug/L	
15) Methylene chloride	2.474	84	12279	1.926	ug/L #	62
17) Acetone	2.537	43	3741	1.606	ug/L	90
18) trans-1,2-Dichloroethene	2.626	96	11535	2.126	ug/L	67
19) Methyl acetate	2.673	43	7947	1.713	ug/L #	86
20) Methyl tert-butyl ether	2.773	73	30467	2.071	ug/L	95
21) tert-Butyl alcohol	2.936	59	7030	10.573	ug/L #	65
22) Diisopropyl ether	3.219	45	31354	2.050	ug/L #	81
23) 1,1-Dichloroethane	3.287	63	18960	2.164	ug/L	96
24) Halothane	3.444	117	9778	2.285	ug/L	98

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N08.d
Acq On : 10 Nov 2022 6:58 pm
Operator : VOA108:PID
Sample : I8260STD2.0PPB
Misc : WG1711062,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 11 07:38:56 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:35:15 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.350	53	3818	2.113	ug/L		93
26) Ethyl tert-butyl ether	3.691	59	31898	2.054	ug/L	#	86
27) Vinyl acetate	3.675	43	21996	2.162	ug/L	#	96
28) cis-1,2-Dichloroethene	4.005	96	13615	2.205	ug/L	#	61
29) 2,2-Dichloropropane	4.147	77	17720	2.178	ug/L		99
30) Bromochloromethane	4.278	128	7145	1.960	ug/L	#	47
31) Cyclohexane	4.257	56	15998	2.098	ug/L	#	44
32) Chloroform	4.425	83	21165	2.091	ug/L		95
33) Ethyl acetate	4.666	43	11612	2.202	ug/L	#	95
34) Carbon tetrachloride	4.550	117	16767	2.278	ug/L		98
35) Tetrahydrofuran	4.624	42	4139M6	2.072	ug/L		
37) 1,1,1-Trichloroethane	4.645	97	18948	2.204	ug/L	#	94
39) 2-Butanone	4.849	43	6104	1.767	ug/L	#	68
40) 1,1-Dichloropropene	4.813	75	14609	2.100	ug/L		90
41) Benzene	5.111	78	44218	2.154	ug/L	#	88
42) tert-Amyl methyl ether	5.347	73	32837	2.013	ug/L		87
44) 1,2-Dichloroethane	5.363	62	16233	2.005	ug/L		94
47) Methyl cyclohexane	5.798	83	18155	2.195	ug/L	#	62
48) Trichloroethene	5.819	95	13162	2.244	ug/L		90
50) Dibromomethane	6.254	93	8591	2.106	ug/L		89
51) 1,2-Dichloropropane	6.370	63	11246	2.128	ug/L		95
53) 2-Chloroethyl vinyl ether	7.114	63	6891	2.122	ug/L	#	92
54) Bromodichloromethane	6.475	83	16114	2.111	ug/L		99
57) 1,4-Dioxane	6.695	88	25304	402.455	ug/L	#	65
58) cis-1,3-Dichloropropene	7.125	75	18358	2.026	ug/L		96
61) Toluene	7.355	92	28851	2.200	ug/L		98
62) 4-Methyl-2-pentanone	7.749	58	3763	1.931	ug/L	#	74
63) Tetrachloroethene	7.707	166	13592	2.136	ug/L		88
65) trans-1,3-Dichloropropene	7.764	75	17010	2.080	ug/L		100
67) Ethyl methacrylate	7.948	69	13004	1.959	ug/L		98
68) 1,1,2-Trichloroethane	7.890	83	8929	2.020	ug/L		93
69) Chlorodibromomethane	8.021	129	13559	2.147	ug/L		93
70) 1,3-Dichloropropane	8.100	76	18333	2.038	ug/L		97
71) 1,2-Dibromoethane	8.179	107	11798	2.021	ug/L		100
72) 2-Hexanone	8.415	43	8215	1.978	ug/L	#	95
73) Chlorobenzene	8.588	112	34032	2.038	ug/L		89
74) Ethylbenzene	8.629	91	54428	2.164	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.645	131	12348	2.036	ug/L		97
76) p/m Xylene	8.734	106	43741	4.316	ug/L		90
77) o Xylene	9.012	106	41382	4.337	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N08.d
Acq On : 10 Nov 2022 6:58 pm
Operator : VOA108:PID
Sample : I8260STD2.0PPB
Misc : WG1711062,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 11 07:38:56 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:35:15 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.049	104	65866	4.178	ug/L	#	82
80) Bromoform	9.054	173	7904	2.079	ug/L		96
82) Isopropylbenzene	9.222	105	54674	2.209	ug/L		92
84) Bromobenzene	9.442	156	15350	2.038	ug/L		97
85) n-Propylbenzene	9.479	91	63689	2.229	ug/L		91
86) 1,4-Dichlorobutane	9.479	55	15314	2.102	ug/L		98
87) 1,1,2,2-Tetrachloroethane	9.526	83	13288	1.980	ug/L		98
88) 4-Ethyltoluene	9.547	105	54049	2.272	ug/L		95
89) 2-Chlorotoluene	9.563	91	43122	2.198	ug/L	#	88
90) 1,3,5-Trimethylbenzene	9.605	105	44556	2.154	ug/L	#	86
91) 1,2,3-Trichloropropane	9.594	75	12063	2.061	ug/L		93
92) trans-1,4-Dichloro-2-b...	9.626	53	3671	2.064	ug/L	#	71
93) 4-Chlorotoluene	9.662	91	39095M3	2.200	ug/L		
94) tert-Butylbenzene	9.788	119	41648	2.192	ug/L		95
97) 1,2,4-Trimethylbenzene	9.830	105	43921	2.204	ug/L		91
98) sec-Butylbenzene	9.893	105	60240	2.319	ug/L		95
99) p-Isopropyltoluene	9.982	119	51996	2.263	ug/L		93
100) 1,3-Dichlorobenzene	10.008	146	29715	2.156	ug/L		97
101) 1,4-Dichlorobenzene	10.061	146	30719	2.156	ug/L		98
102) p-Diethylbenzene	10.187	119	30361	2.259	ug/L		90
103) n-Butylbenzene	10.218	91	43640	2.254	ug/L		97
104) 1,2-Dichlorobenzene	10.302	146	29196	2.068	ug/L		93
105) 1,2,4,5-Tetramethylben...	10.643	119	44785	2.171	ug/L		94
106) 1,2-Dibromo-3-chloropr...	10.753	155	2693	2.176	ug/L	#	78
107) 1,3,5-Trichlorobenzene	10.774	180	21359	2.178	ug/L		94
108) Hexachlorobutadiene	11.120	225	9614	2.339	ug/L		94
109) 1,2,4-Trichlorobenzene	11.130	180	21455	2.250	ug/L		98
110) Naphthalene	11.309	128	55573	2.124	ug/L		100
111) 1,2,3-Trichlorobenzene	11.414	180	21829	2.252	ug/L		97

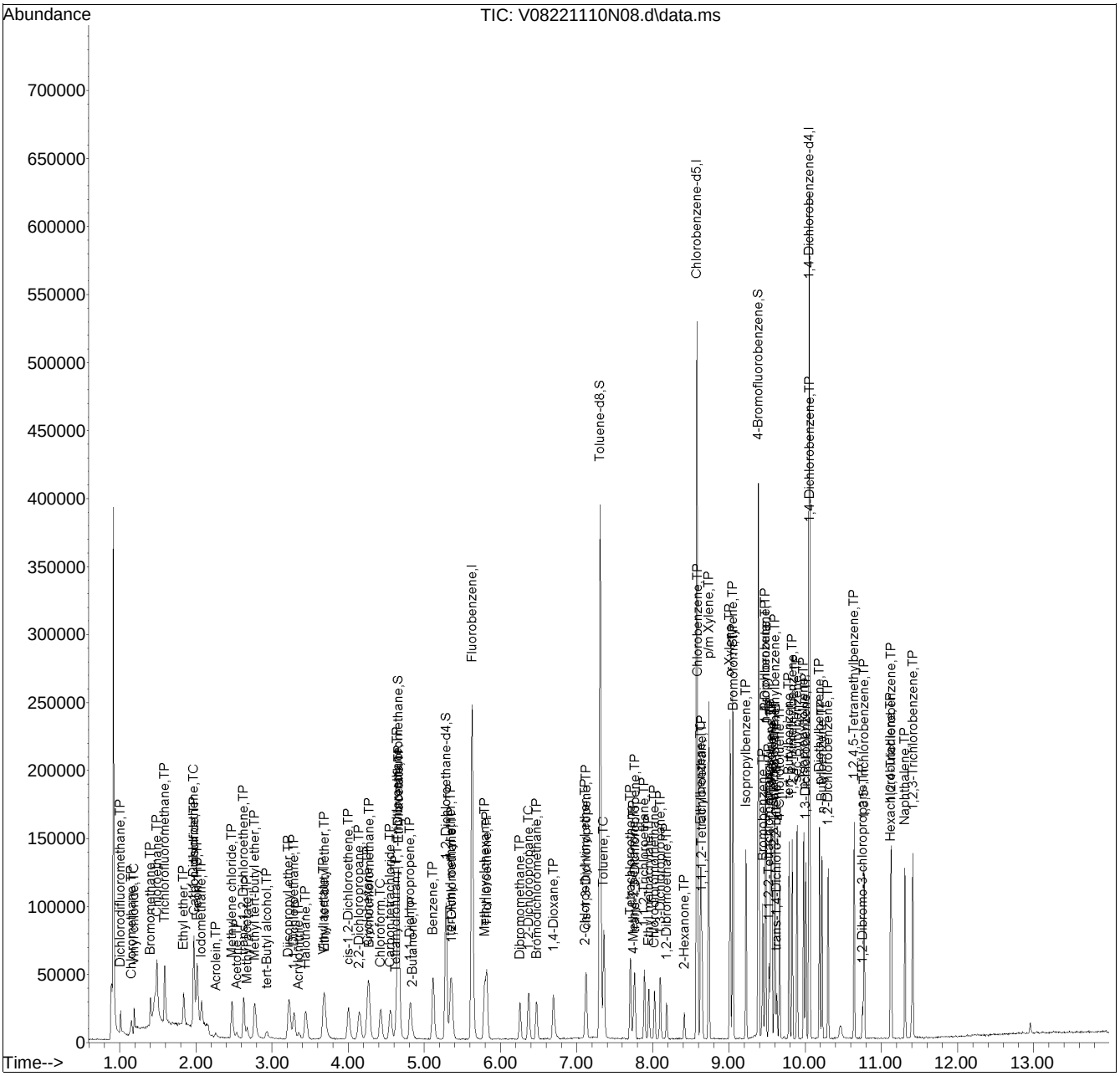
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N08.d
Acq On : 10 Nov 2022 6:58 pm
Operator : VOA108:PID
Sample : I8260STD2.0PPB
Misc : WG1711062,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 11 07:38:56 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:35:15 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21110NICAL\V08221110N09.d•

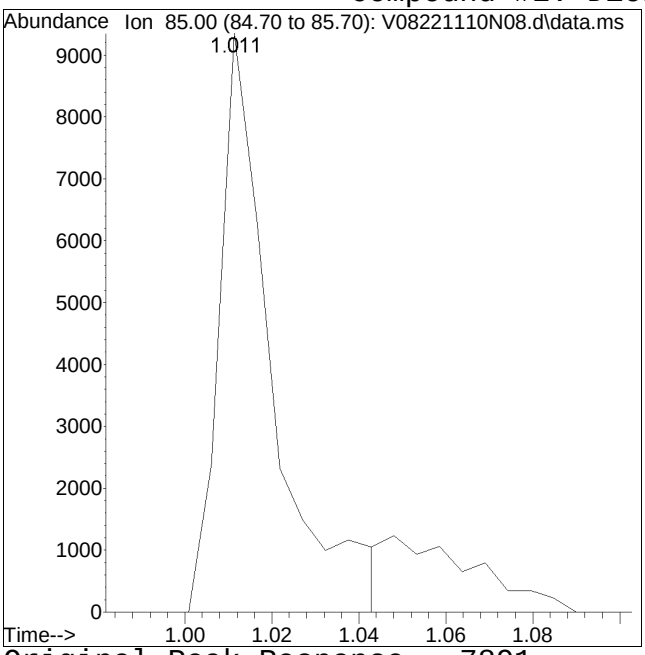


Manual Integration Report

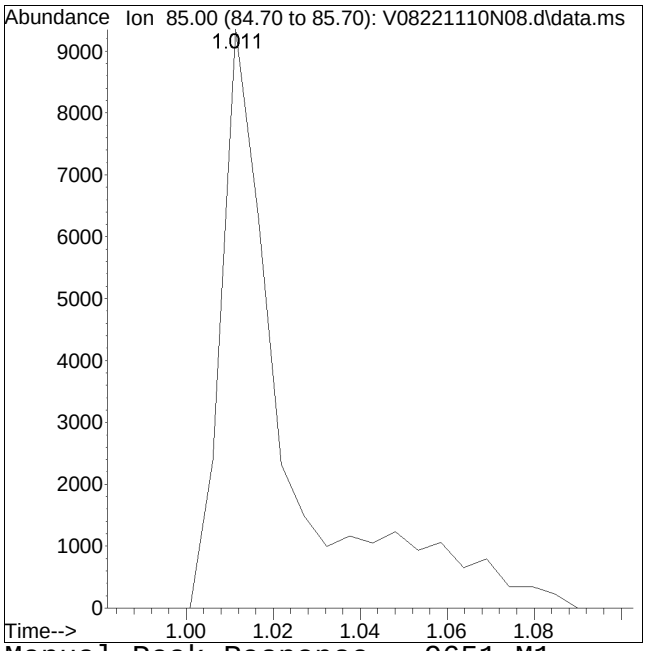
Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221110N08.d
Date Inj'd : 11/10/2022 6:58 pm
Sample : I8260STD2.0PPB

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/11/2022 7:35 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 7891



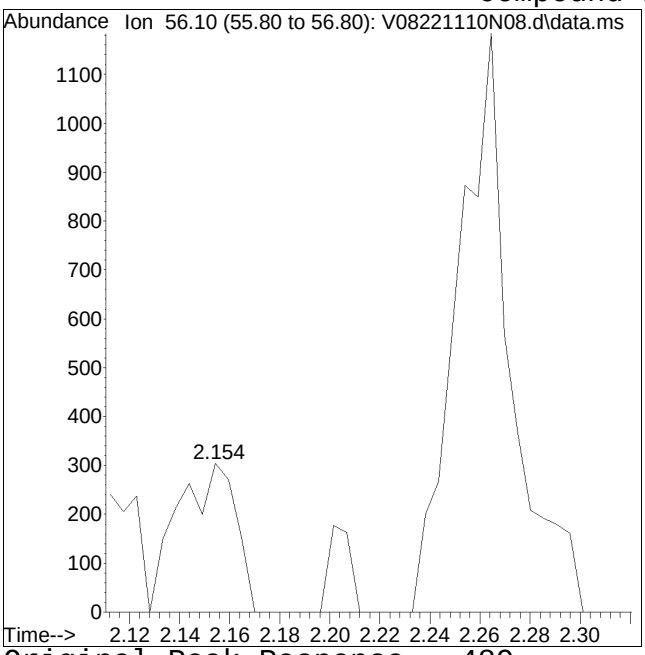
Manual Peak Response = 9651 M1

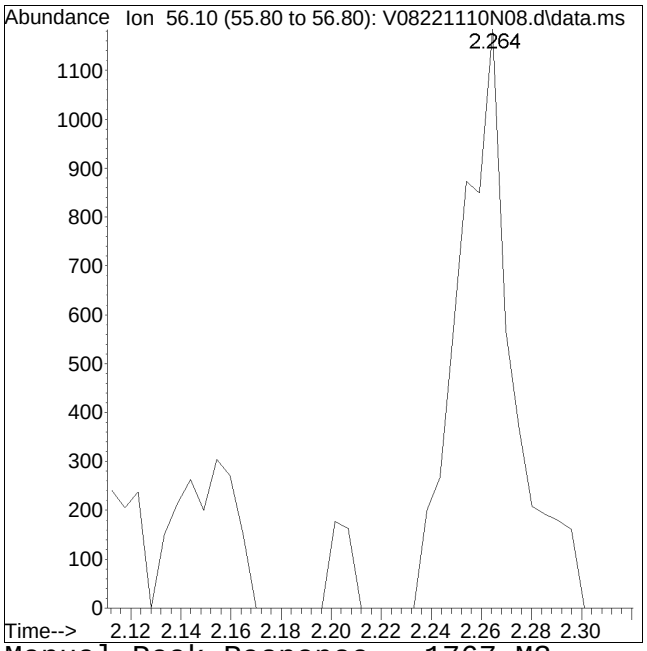
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221110N08.d Operator : VOA108:PID
Date Inj'd : 11/10/2022 6:58 pm Instrument : VOA 108
Sample : I8260STD2.0PPB Quant Date : 11/11/2022 7:35 am

Compound #14: Acrolein





Original Peak Response = 489 Manual Peak Response = 1767 M3

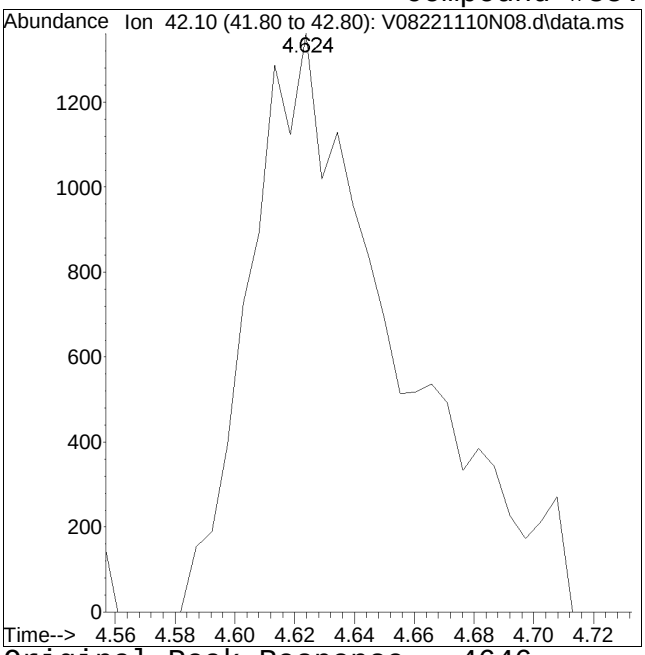
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

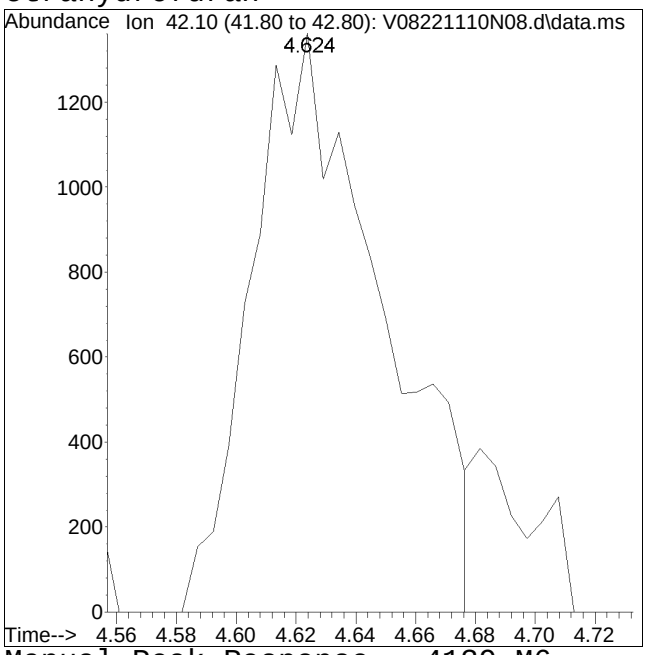
Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221110N08.d
Date Inj'd : 11/10/2022 6:58 pm
Sample : I8260STD2.0PPB

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/11/2022 7:35 am

Compound #35: Tetrahydrofuran



Original Peak Response = 4646



Manual Peak Response = 4139 M6

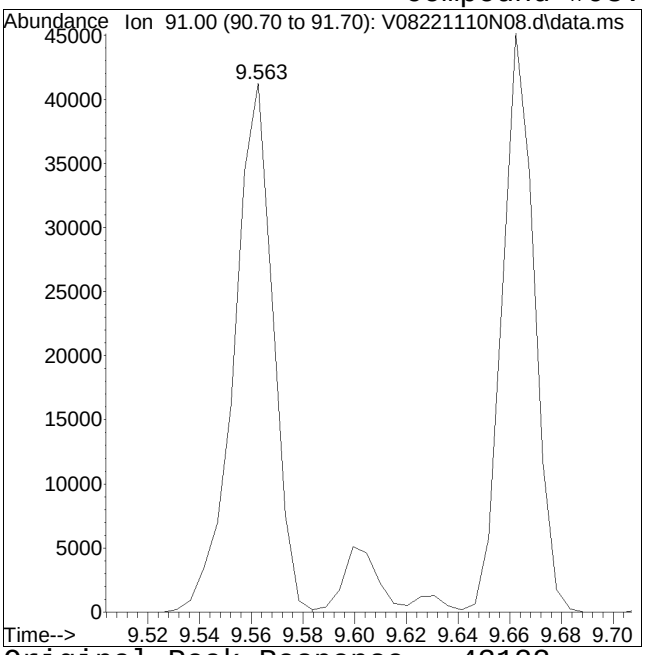
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

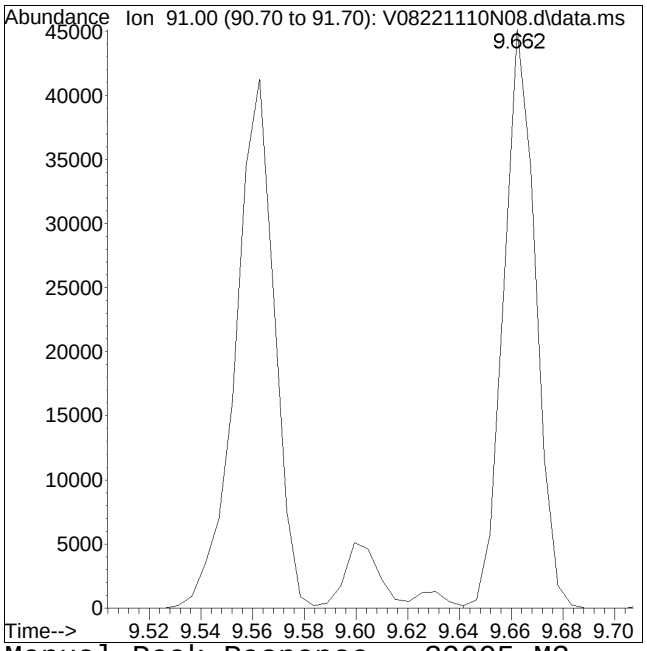
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221110N08.d
Date Inj'd : 11/10/2022 6:58 pm
Sample : I8260STD2.0PPB

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/11/2022 7:35 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 43122 Manual Peak Response = 39095 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N09.d
Acq On : 10 Nov 2022 7:19 pm
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 07:31:18 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:31:12 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	236166	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery = 100.00%			
59) Chlorobenzene-d5	8.577	117	187561	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	10.056	152	104158	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	69416	9.998	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.98%			
43) 1,2-Dichloroethane-d4	5.284	65	73478	9.998	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.98%			
60) Toluene-d8	7.308	98	227610	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
83) 4-Bromofluorobenzene	9.385	95	78160	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	44723	9.998	ug/L	98
3) Chloromethane	1.158	50	49370	9.998	ug/L	100
4) Vinyl chloride	1.190	62	55766	9.998	ug/L	94
5) Bromomethane	1.405	94	47388	9.998	ug/L	96
6) Chloroethane	1.488	64	54741	9.998	ug/L	90
7) Trichlorofluoromethane	1.593	101	119342	9.998	ug/L	98
8) Ethyl ether	1.840	74	38093	9.998	ug/L #	57
10) 1,1-Dichloroethene	1.971	96	69215	9.998	ug/L #	52
11) Carbon disulfide	1.981	76	119697	9.998	ug/L	98
12) Freon-113	2.018	101	72013	9.998	ug/L	87
13) Iodomethane	2.076	142	85968	9.998	ug/L	86
14) Acrolein	2.259	56	8299	9.998	ug/L	100
15) Methylene chloride	2.474	84	57816	9.998	ug/L #	65
17) Acetone	2.537	43	16199	9.998	ug/L	100
18) trans-1,2-Dichloroethene	2.631	96	56278	9.998	ug/L	67
19) Methyl acetate	2.673	43	38451	9.998	ug/L #	86
20) Methyl tert-butyl ether	2.773	73	149668	9.998	ug/L	92
21) tert-Butyl alcohol	2.930	59	32784	49.989	ug/L #	66
22) Diisopropyl ether	3.224	45	154351	9.998	ug/L #	84
23) 1,1-Dichloroethane	3.292	63	92476	9.998	ug/L	96
24) Halothane	3.444	117	46061	9.998	ug/L	99

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N09.d
Acq On : 10 Nov 2022 7:19 pm
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 07:31:18 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:31:12 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.355	53	17778	9.998	ug/L		98
26) Ethyl tert-butyl ether	3.685	59	162251	10.003	ug/L	#	88
27) Vinyl acetate	3.680	43	105964	9.998	ug/L	#	91
28) cis-1,2-Dichloroethene	4.005	96	65375	9.998	ug/L	#	61
29) 2,2-Dichloropropane	4.152	77	81756	9.998	ug/L		96
30) Bromochloromethane	4.273	128	36859	9.998	ug/L	#	43
31) Cyclohexane	4.262	56	76188	9.998	ug/L	#	46
32) Chloroform	4.430	83	102832	9.998	ug/L		95
33) Ethyl acetate	4.666	43	55343M4	9.998	ug/L		
34) Carbon tetrachloride	4.556	117	81972	9.998	ug/L		97
35) Tetrahydrofuran	4.608	42	17229	9.998	ug/L	#	58
37) 1,1,1-Trichloroethane	4.645	97	90234	9.998	ug/L	#	94
39) 2-Butanone	4.844	43	25707	9.998	ug/L	#	32
40) 1,1-Dichloropropene	4.818	75	71906	9.998	ug/L		91
41) Benzene	5.117	78	216800	9.998	ug/L	#	88
42) tert-Amyl methyl ether	5.342	73	164354	9.998	ug/L	#	87
44) 1,2-Dichloroethane	5.363	62	78901	9.998	ug/L		94
47) Methyl cyclohexane	5.793	83	87873	9.998	ug/L	#	60
48) Trichloroethene	5.819	95	64251	9.998	ug/L	#	87
50) Dibromomethane	6.254	93	43207	9.998	ug/L		91
51) 1,2-Dichloropropane	6.370	63	53465	9.998	ug/L		99
53) 2-Chloroethyl vinyl ether	7.114	63	36037	9.998	ug/L	#	86
54) Bromodichloromethane	6.475	83	79950	9.998	ug/L	#	99
57) 1,4-Dioxane	6.695	88	31998	499.892	ug/L	#	64
58) cis-1,3-Dichloropropene	7.125	75	93022	9.998	ug/L		91
61) Toluene	7.355	92	140124	10.000	ug/L		99
62) 4-Methyl-2-pentanone	7.749	58	20583	10.000	ug/L	#	86
63) Tetrachloroethene	7.707	166	67393	10.000	ug/L		88
65) trans-1,3-Dichloropropene	7.764	75	87379	10.000	ug/L		95
67) Ethyl methacrylate	7.948	69	68734	10.000	ug/L		98
68) 1,1,2-Trichloroethane	7.890	83	45200	10.000	ug/L		90
69) Chlorodibromomethane	8.021	129	67282	10.000	ug/L		98
70) 1,3-Dichloropropane	8.095	76	92476	10.000	ug/L		100
71) 1,2-Dibromoethane	8.179	107	60382	10.000	ug/L		96
72) 2-Hexanone	8.409	43	39008	10.000	ug/L		96
73) Chlorobenzene	8.588	112	170285	10.000	ug/L	#	84
74) Ethylbenzene	8.630	91	265871	10.000	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.645	131	63783	10.000	ug/L		96
76) p/m Xylene	8.734	106	216724	20.000	ug/L		90
77) o Xylene	9.012	106	204651	20.000	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N09.d
Acq On : 10 Nov 2022 7:19 pm
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 07:31:18 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:31:12 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.049	104	343872	20.000	ug/L	#	83
80) Bromoform	9.054	173	44631	10.000	ug/L		96
82) Isopropylbenzene	9.222	105	272963	10.000	ug/L		95
84) Bromobenzene	9.442	156	78129	10.000	ug/L		99
85) n-Propylbenzene	9.479	91	313803	10.000	ug/L		92
86) 1,4-Dichlorobutane	9.479	55	73990	10.000	ug/L		98
87) 1,1,2,2-Tetrachloroethane	9.526	83	72026	10.000	ug/L		100
88) 4-Ethyltoluene	9.547	105	265895	10.000	ug/L		94
89) 2-Chlorotoluene	9.563	91	212686	10.000	ug/L	#	87
90) 1,3,5-Trimethylbenzene	9.605	105	227032	10.000	ug/L		88
91) 1,2,3-Trichloropropane	9.594	75	58650	10.000	ug/L		91
92) trans-1,4-Dichloro-2-b...	9.626	53	18484	10.000	ug/L	#	64
93) 4-Chlorotoluene	9.662	91	190221M3	10.000	ug/L		
94) tert-Butylbenzene	9.788	119	205284	10.000	ug/L		95
97) 1,2,4-Trimethylbenzene	9.830	105	224434	10.000	ug/L		90
98) sec-Butylbenzene	9.893	105	291938	10.000	ug/L		94
99) p-Isopropyltoluene	9.982	119	261048	10.000	ug/L		93
100) 1,3-Dichlorobenzene	10.008	146	147826	10.000	ug/L		96
101) 1,4-Dichlorobenzene	10.061	146	151896	10.000	ug/L		95
102) p-Diethylbenzene	10.192	119	153621	10.000	ug/L		92
103) n-Butylbenzene	10.223	91	216642	10.000	ug/L		96
104) 1,2-Dichlorobenzene	10.302	146	146769	10.000	ug/L		94
105) 1,2,4,5-Tetramethylben...	10.643	119	232342	10.000	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.753	155	14710	10.000	ug/L		96
107) 1,3,5-Trichlorobenzene	10.774	180	105148	10.000	ug/L		94
108) Hexachlorobutadiene	11.120	225	45698	10.000	ug/L		95
109) 1,2,4-Trichlorobenzene	11.130	180	103126	10.000	ug/L		98
110) Naphthalene	11.309	128	275049	10.000	ug/L		100
111) 1,2,3-Trichlorobenzene	11.414	180	101545	10.000	ug/L		98

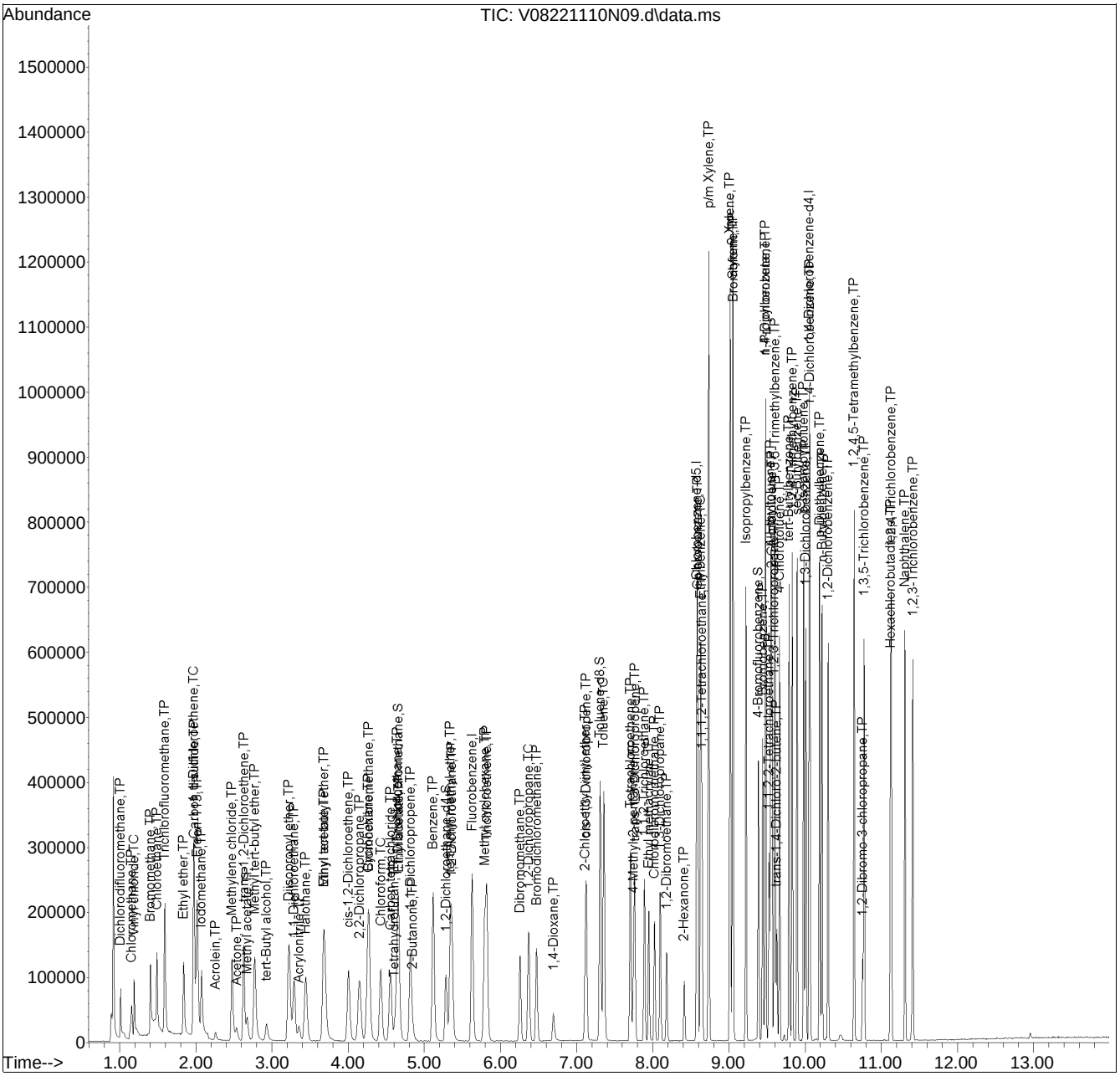
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N09.d
Acq On : 10 Nov 2022 7:19 pm
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 11 07:31:18 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:31:12 2022
Response via : Initial Calibration

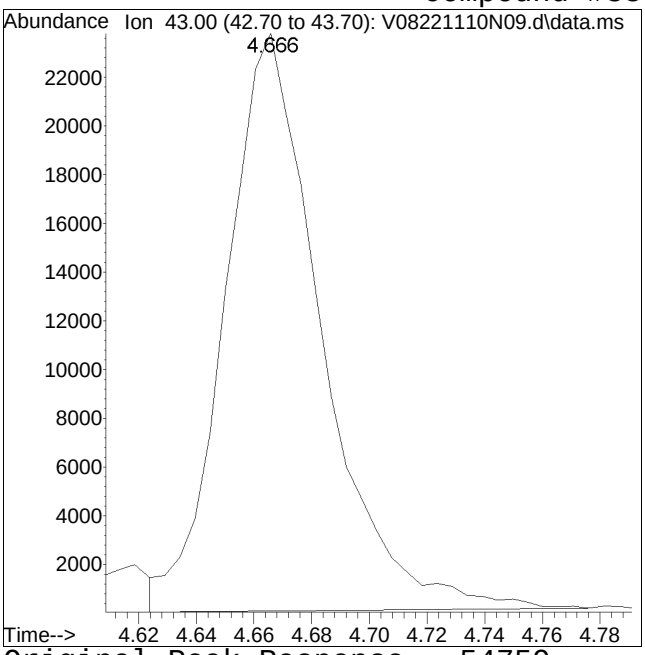
Sub List : 8260-Curve - Megamix plus Diox21110NICAL\V08221110N09.d•



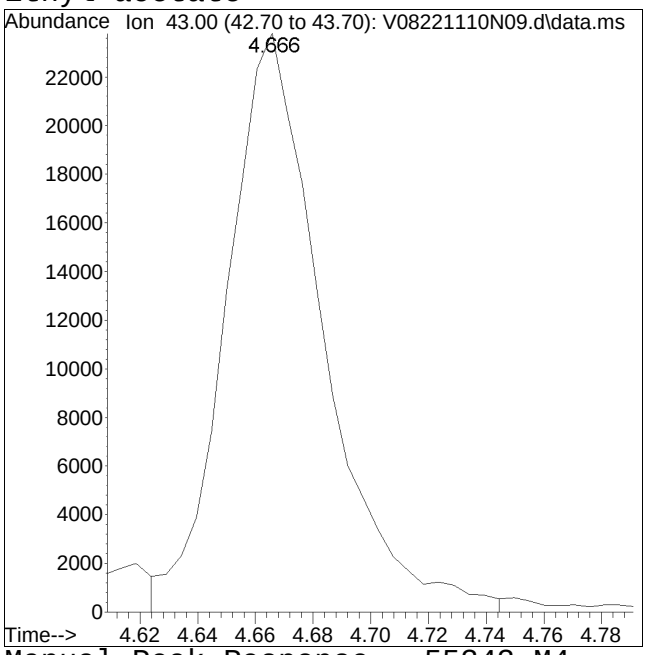
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221110N09.d Operator : VOA108:PID
Date Inj'd : 11/10/2022 7:19 pm Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 11/11/2022 7:31 am

Compound #33: Ethyl acetate



Original Peak Response = 54759



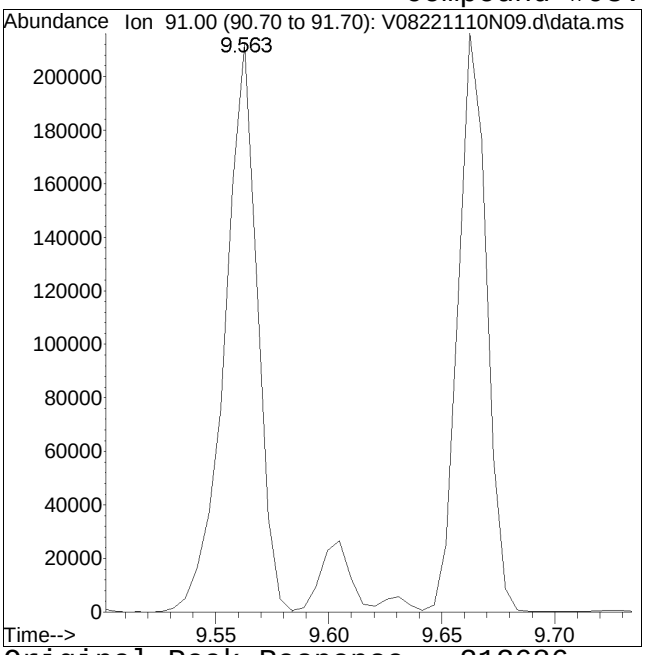
Manual Peak Response = 55343 M4

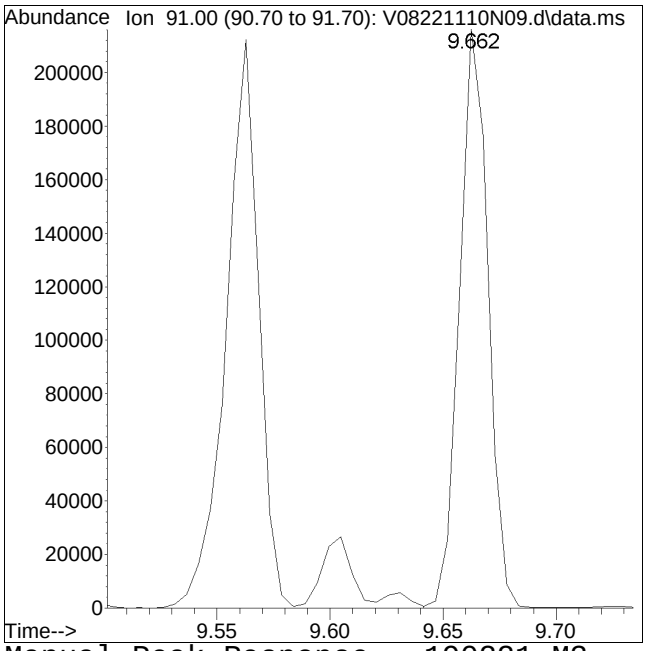
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221110N09.d Operator : VOA108:PID
Date Inj'd : 11/10/2022 7:19 pm Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 11/11/2022 7:31 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 212686 Manual Peak Response = 190221 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N10.d
Acq On : 10 Nov 2022 7:39 pm
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG1711062,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 11 07:38:38 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	242087	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery = 102.51%			
59) Chlorobenzene-d5	8.577	117	197944	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery = 105.54%			
79) 1,4-Dichlorobenzene-d4	10.056	152	115174	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery = 110.58%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	71067	9.941	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.41%			
43) 1,2-Dichloroethane-d4	5.285	65	73808	9.656	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.56%			
60) Toluene-d8	7.308	98	237576	9.704	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.04%			
83) 4-Bromofluorobenzene	9.385	95	86953	9.641	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.41%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.012	85	139210	33.573	ug/L	97
3) Chloromethane	1.158	50	153950	29.536	ug/L	99
4) Vinyl chloride	1.190	62	175905	33.547	ug/L	95
5) Bromomethane	1.405	94	152664	30.301	ug/L	97
6) Chloroethane	1.489	64	173689	28.656	ug/L	99
7) Trichlorofluoromethane	1.594	101	378149	30.834	ug/L	98
8) Ethyl ether	1.840	74	117348	27.799	ug/L #	56
10) 1,1-Dichloroethene	1.971	96	217408	29.216	ug/L #	52
11) Carbon disulfide	1.976	76	379600	29.890	ug/L	100
12) Freon-113	2.018	101	229338	30.923	ug/L	87
13) Iodomethane	2.076	142	285867	35.211	ug/L	86
14) Acrolein	2.259	56	25735	25.710	ug/L	98
15) Methylene chloride	2.474	84	177125	26.865	ug/L #	63
17) Acetone	2.537	43	49329	21.639	ug/L	100
18) trans-1,2-Dichloroethene	2.626	96	179251	30.903	ug/L #	66
19) Methyl acetate	2.674	43	117987	25.505	ug/L #	83
20) Methyl tert-butyl ether	2.773	73	475398	30.494	ug/L	91
21) tert-Butyl alcohol	2.925	59	106542	150.147	ug/L #	68
22) Diisopropyl ether	3.224	45	496966	30.772	ug/L #	84
23) 1,1-Dichloroethane	3.292	63	287016	30.449	ug/L	96
24) Halothane	3.444	117	145700	31.036	ug/L	99

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N10.d
Acq On : 10 Nov 2022 7:39 pm
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG1711062,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 11 07:38:38 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.355	53	55180	28.619	ug/L		99
26) Ethyl tert-butyl ether	3.680	59	521451	31.777	ug/L	#	87
27) Vinyl acetate	3.675	43	350457	32.034	ug/L	#	90
28) cis-1,2-Dichloroethene	4.005	96	203257	30.396	ug/L	#	62
29) 2,2-Dichloropropane	4.147	77	265507	30.268	ug/L		95
30) Bromochloromethane	4.273	128	113298	29.876	ug/L	#	43
31) Cyclohexane	4.257	56	243796	30.044	ug/L	#	44
32) Chloroform	4.430	83	325539	30.256	ug/L		95
33) Ethyl acetate	4.666	43	174203	30.518	ug/L	#	94
34) Carbon tetrachloride	4.556	117	268461	33.657	ug/L		99
35) Tetrahydrofuran	4.608	42	50749	23.972	ug/L	#	48
37) 1,1,1-Trichloroethane	4.645	97	289042	31.054	ug/L	#	94
39) 2-Butanone	4.839	43	81473	23.432	ug/L	#	31
40) 1,1-Dichloropropene	4.818	75	228571	30.863	ug/L		91
41) Benzene	5.117	78	687083	31.355	ug/L	#	88
42) tert-Amyl methyl ether	5.342	73	544139	31.786	ug/L	#	87
44) 1,2-Dichloroethane	5.363	62	253555	29.885	ug/L		97
47) Methyl cyclohexane	5.793	83	286982	32.091	ug/L	#	60
48) Trichloroethene	5.819	95	201140	31.775	ug/L		88
50) Dibromomethane	6.255	93	136870	31.489	ug/L		91
51) 1,2-Dichloropropane	6.370	63	173147	30.632	ug/L		99
53) 2-Chloroethyl vinyl ether	7.114	63	119341	34.396	ug/L	#	83
54) Bromodichloromethane	6.475	83	259530	31.881	ug/L	#	99
57) 1,4-Dioxane	6.695	88	36751	557.040	ug/L	#	66
58) cis-1,3-Dichloropropene	7.125	75	306614	32.172	ug/L		90
61) Toluene	7.356	92	460795	31.061	ug/L		98
62) 4-Methyl-2-pentanone	7.744	58	68232	32.356	ug/L	#	88
63) Tetrachloroethene	7.707	166	223328	31.346	ug/L		87
65) trans-1,3-Dichloropropene	7.765	75	291766	32.158	ug/L		95
67) Ethyl methacrylate	7.948	69	230121	31.880	ug/L		99
68) 1,1,2-Trichloroethane	7.890	83	146618	30.200	ug/L		91
69) Chlorodibromomethane	8.021	129	225010	31.768	ug/L		98
70) 1,3-Dichloropropane	8.100	76	296904	29.961	ug/L		99
71) 1,2-Dibromoethane	8.179	107	196797	30.688	ug/L		98
72) 2-Hexanone	8.415	43	127505	28.145	ug/L		97
73) Chlorobenzene	8.588	112	558802	30.373	ug/L	#	84
74) Ethylbenzene	8.630	91	876894	31.001	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.645	131	217776	32.599	ug/L		96
76) p/m Xylene	8.735	106	723902	63.567	ug/L		90
77) o Xylene	9.018	106	694859	64.701	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N10.d
Acq On : 10 Nov 2022 7:39 pm
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG1711062,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 11 07:38:38 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.049	104	1205417	68.820	ug/L	#	82
80) Bromoform	9.054	173	168122	36.217	ug/L		96
82) Isopropylbenzene	9.222	105	930497	30.147	ug/L		93
84) Bromobenzene	9.442	156	263563	28.852	ug/L		97
85) n-Propylbenzene	9.479	91	1084011	30.323	ug/L		91
86) 1,4-Dichlorobutane	9.479	55	256201	28.696	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.526	83	244952	30.386	ug/L		98
88) 4-Ethyltoluene	9.552	105	921931	30.761	ug/L		93
89) 2-Chlorotoluene	9.563	91	727131	29.774	ug/L	#	87
90) 1,3,5-Trimethylbenzene	9.605	105	800567	31.312	ug/L		88
91) 1,2,3-Trichloropropane	9.594	75	203582	28.576	ug/L		91
92) trans-1,4-Dichloro-2-b...	9.626	53	62998	29.083	ug/L	#	56
93) 4-Chlorotoluene	9.663	91	649896M3	29.372	ug/L		
94) tert-Butylbenzene	9.788	119	711736	30.125	ug/L		95
97) 1,2,4-Trimethylbenzene	9.830	105	793736	31.963	ug/L		90
98) sec-Butylbenzene	9.893	105	1034043	31.362	ug/L		94
99) p-Isopropyltoluene	9.982	119	934862	32.349	ug/L		93
100) 1,3-Dichlorobenzene	10.009	146	513824	30.153	ug/L		96
101) 1,4-Dichlorobenzene	10.061	146	518947	29.457	ug/L		96
102) p-Diethylbenzene	10.187	119	539557	31.936	ug/L		92
103) n-Butylbenzene	10.224	91	766707	31.526	ug/L	#	96
104) 1,2-Dichlorobenzene	10.302	146	502821	29.221	ug/L		94
105) 1,2,4,5-Tetramethylben...	10.643	119	852273	33.333	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.753	155	51382	33.467	ug/L		92
107) 1,3,5-Trichlorobenzene	10.774	180	378027	31.064	ug/L		92
108) Hexachlorobutadiene	11.120	225	160054	30.586	ug/L		95
109) 1,2,4-Trichlorobenzene	11.131	180	358359	29.941	ug/L		98
110) Naphthalene	11.309	128	962309	29.907	ug/L		100
111) 1,2,3-Trichlorobenzene	11.414	180	353090	29.007	ug/L		99

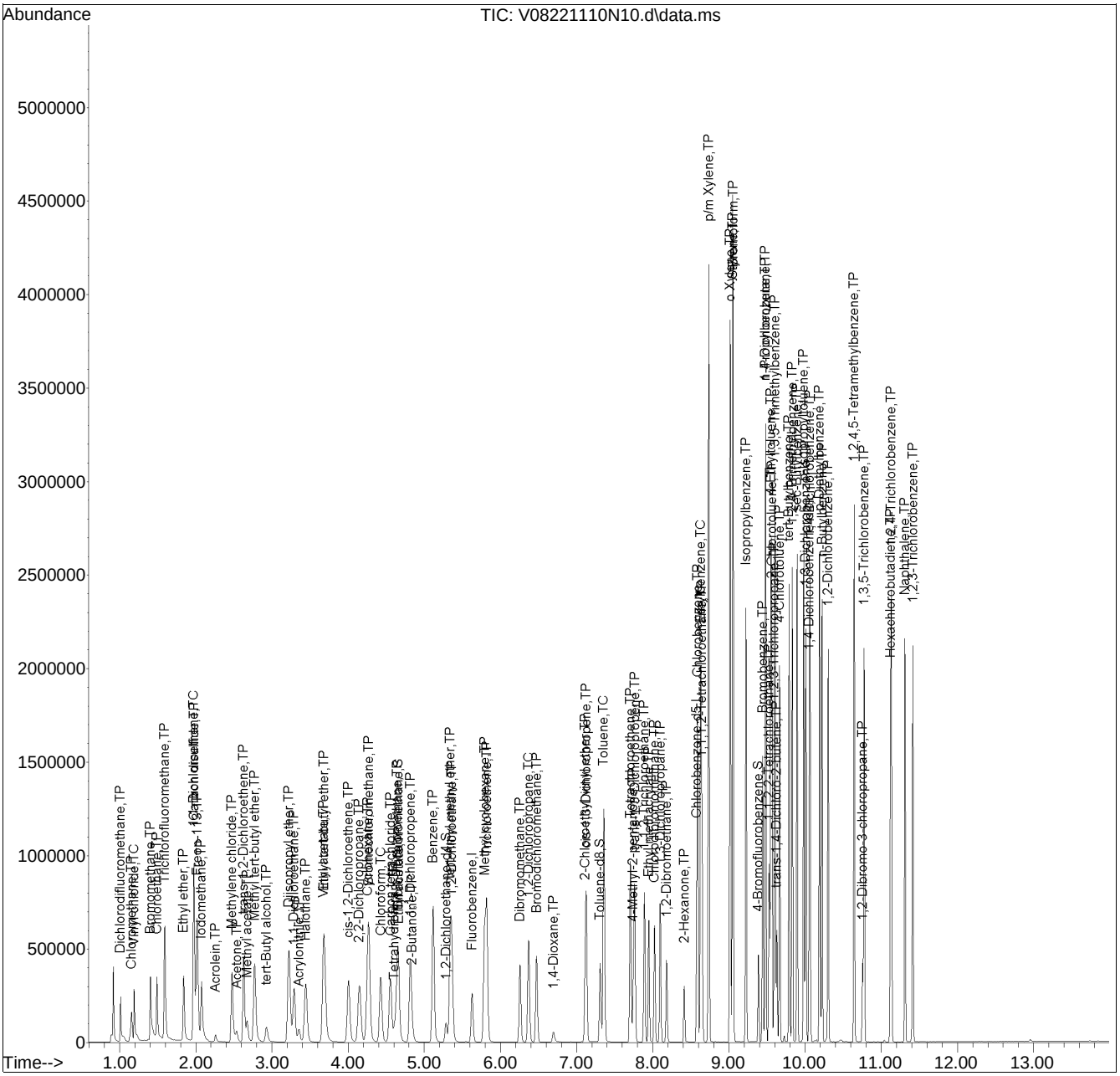
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N10.d
Acq On : 10 Nov 2022 7:39 pm
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG1711062,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 11 07:38:38 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

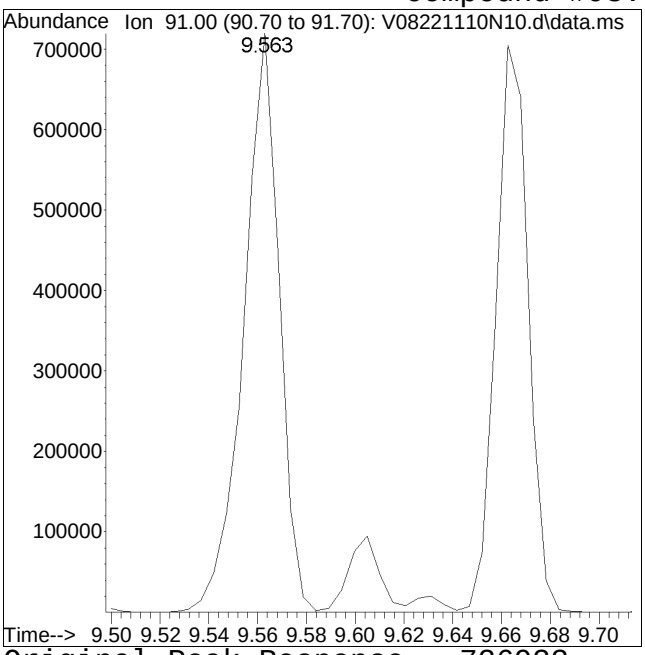
Sub List : 8260-Curve - Megamix plus Diox21110NICAL\V08221110N09.d•

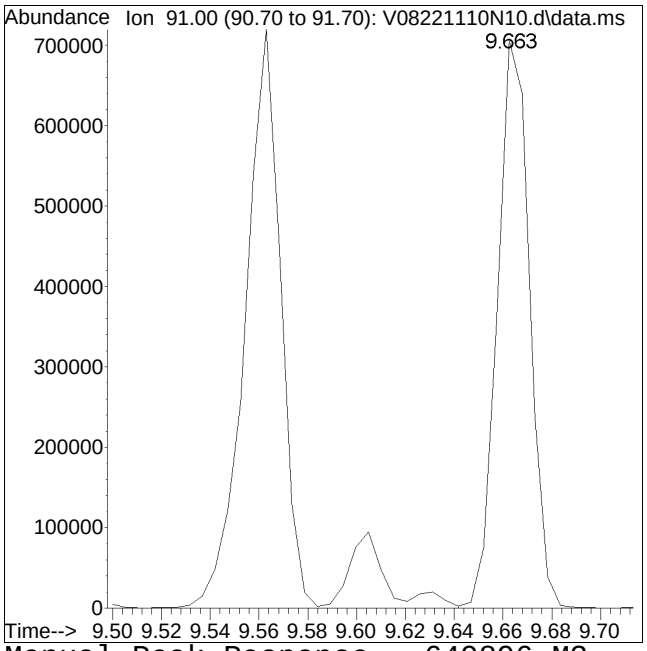


Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221110N10.d Operator : VOA108:PID
Date Inj'd : 11/10/2022 7:39 pm Instrument : VOA 108
Sample : I8260STD30PPB Quant Date : 11/11/2022 7:37 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 726933 Manual Peak Response = 649896 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N11.d
Acq On : 10 Nov 2022 7:59 pm
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG1711062,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 07:39:44 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.631	96	250880	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery = 106.23%			
59) Chlorobenzene-d5	8.577	117	210847	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery = 112.42%			
79) 1,4-Dichlorobenzene-d4	10.056	152	120866	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery = 116.04%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	73692	9.946	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.46%			
43) 1,2-Dichloroethane-d4	5.285	65	75024	9.471	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.71%			
60) Toluene-d8	7.308	98	248074	9.513	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.13%			
83) 4-Bromofluorobenzene	9.385	95	89772	9.485	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.85%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	375617	87.411	ug/L	98
3) Chloromethane	1.158	50	407023	75.353	ug/L	99
4) Vinyl chloride	1.190	62	464751	85.528	ug/L	95
5) Bromomethane	1.405	94	442259	84.704	ug/L	99
6) Chloroethane	1.489	64	425690	67.771	ug/L	94
7) Trichlorofluoromethane	1.588	101	994952	78.285	ug/L	98
8) Ethyl ether	1.840	74	310074	70.880	ug/L #	57
10) 1,1-Dichloroethene	1.971	96	573009	74.303	ug/L #	53
11) Carbon disulfide	1.976	76	1013369	76.997	ug/L	99
12) Freon-113	2.018	101	603583	78.533	ug/L	88
13) Iodomethane	2.076	142	799593	95.037	ug/L	86
14) Acrolein	2.259	56	71032	68.476	ug/L	93
15) Methylene chloride	2.474	84	474897	69.505	ug/L #	63
17) Acetone	2.537	43	133839	56.654	ug/L	99
18) trans-1,2-Dichloroethene	2.632	96	482097	80.201	ug/L #	66
19) Methyl acetate	2.673	43	319011	66.543	ug/L #	84
20) Methyl tert-butyl ether	2.773	73	1288092	79.729	ug/L	91
21) tert-Butyl alcohol	2.930	59	295859	402.334	ug/L #	69
22) Diisopropyl ether	3.224	45	1345416	80.389	ug/L #	85
23) 1,1-Dichloroethane	3.292	63	773353	79.168	ug/L	96
24) Halothane	3.444	117	394451	81.078	ug/L	99

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N11.d
Acq On : 10 Nov 2022 7:59 pm
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG1711062,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 07:39:44 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.355	53	148783	74.462	ug/L		99
26) Ethyl tert-butyl ether	3.685	59	1430799	84.136	ug/L	#	90
27) Vinyl acetate	3.680	43	887405	78.272	ug/L	#	90
28) cis-1,2-Dichloroethene	4.005	96	559557	80.746	ug/L	#	62
29) 2,2-Dichloropropane	4.147	77	719101	79.105	ug/L		94
30) Bromochloromethane	4.278	128	302737	77.032	ug/L	#	43
31) Cyclohexane	4.257	56	658303	78.283	ug/L	#	42
32) Chloroform	4.430	83	892548	80.046	ug/L		95
33) Ethyl acetate	4.661	43	476918	80.622	ug/L	#	92
34) Carbon tetrachloride	4.556	117	743185	89.906	ug/L		99
35) Tetrahydrofuran	4.603	42	141993	64.721	ug/L	#	52
37) 1,1,1-Trichloroethane	4.645	97	786927	81.582	ug/L	#	94
39) 2-Butanone	4.839	43	226712	62.919	ug/L	#	33
40) 1,1-Dichloropropene	4.818	75	619511	80.717	ug/L		91
41) Benzene	5.117	78	1915775	84.363	ug/L	#	88
42) tert-Amyl methyl ether	5.342	73	1524866	85.953	ug/L	#	87
44) 1,2-Dichloroethane	5.363	62	687070	78.143	ug/L		96
47) Methyl cyclohexane	5.793	83	798757	86.189	ug/L	#	59
48) Trichloroethene	5.819	95	563105	85.838	ug/L	#	88
50) Dibromomethane	6.254	93	376460	83.574	ug/L	#	89
51) 1,2-Dichloropropane	6.370	63	475206	81.124	ug/L		98
53) 2-Chloroethyl vinyl ether	7.114	63	335454	93.294	ug/L	#	84
54) Bromodichloromethane	6.475	83	730825	86.628	ug/L	#	99
57) 1,4-Dioxane	6.695	88	56390	824.754	ug/L	#	63
58) cis-1,3-Dichloropropene	7.130	75	855519	86.621	ug/L		89
61) Toluene	7.356	92	1318327	83.426	ug/L		96
62) 4-Methyl-2-pentanone	7.744	58	195437	87.007	ug/L	#	91
63) Tetrachloroethene	7.707	166	620789	81.800	ug/L		88
65) trans-1,3-Dichloropropene	7.764	75	835579	86.460	ug/L		94
67) Ethyl methacrylate	7.948	69	659098	85.720	ug/L		98
68) 1,1,2-Trichloroethane	7.890	83	407626	78.823	ug/L		91
69) Chlorodibromomethane	8.021	129	663976	88.006	ug/L		96
70) 1,3-Dichloropropane	8.100	76	823304	77.996	ug/L		100
71) 1,2-Dibromoethane	8.184	107	561030	82.133	ug/L		98
72) 2-Hexanone	8.409	43	360337	74.671	ug/L		96
73) Chlorobenzene	8.588	112	1612536	82.285	ug/L	#	83
74) Ethylbenzene	8.630	91	2537628	84.222	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.645	131	636209	89.406	ug/L		96
76) p/m Xylene	8.734	106	2139721	176.393	ug/L		88
77) o Xylene	9.018	106	2026383	177.137	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N11.d
Acq On : 10 Nov 2022 7:59 pm
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG1711062,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 07:39:44 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.054	104	3675038	196.976	ug/L	#	81
80) Bromoform	9.054	173	556914	114.322	ug/L		96
82) Isopropylbenzene	9.222	105	2726246	84.166	ug/L		93
84) Bromobenzene	9.442	156	751149	78.356	ug/L		97
85) n-Propylbenzene	9.479	91	3115726	83.051	ug/L		91
86) 1,4-Dichlorobutane	9.479	55	739200	78.895	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.526	83	688003	81.328	ug/L		99
88) 4-Ethyltoluene	9.552	105	2656309	84.457	ug/L		93
89) 2-Chlorotoluene	9.563	91	2077710	81.069	ug/L	#	87
90) 1,3,5-Trimethylbenzene	9.605	105	2300569	85.743	ug/L	#	85
91) 1,2,3-Trichloropropane	9.594	75	574327	76.820	ug/L		90
92) trans-1,4-Dichloro-2-b...	9.631	53	181162	79.695	ug/L	#	51
93) 4-Chlorotoluene	9.668	91	1842260M3	79.340	ug/L		
94) tert-Butylbenzene	9.788	119	2016719	81.339	ug/L		94
97) 1,2,4-Trimethylbenzene	9.830	105	2334404	89.576	ug/L		90
98) sec-Butylbenzene	9.893	105	2966776	85.744	ug/L		93
99) p-Isopropyltoluene	9.982	119	2723148	89.790	ug/L		92
100) 1,3-Dichlorobenzene	10.009	146	1502863	84.040	ug/L		96
101) 1,4-Dichlorobenzene	10.061	146	1491325	80.666	ug/L		96
102) p-Diethylbenzene	10.192	119	1608039	90.698	ug/L		91
103) n-Butylbenzene	10.223	91	2242245	87.855	ug/L	#	96
104) 1,2-Dichlorobenzene	10.302	146	1437790	79.620	ug/L		95
105) 1,2,4,5-Tetramethylben...	10.643	119	2544044	94.813	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.753	155	150290	93.281	ug/L		91
107) 1,3,5-Trichlorobenzene	10.774	180	1071870	83.933	ug/L		92
108) Hexachlorobutadiene	11.120	225	446808	81.364	ug/L		95
109) 1,2,4-Trichlorobenzene	11.131	180	986459	78.538	ug/L		99
110) Naphthalene	11.314	128	2685470	79.529	ug/L		100
111) 1,2,3-Trichlorobenzene	11.414	180	996656	78.021	ug/L		99

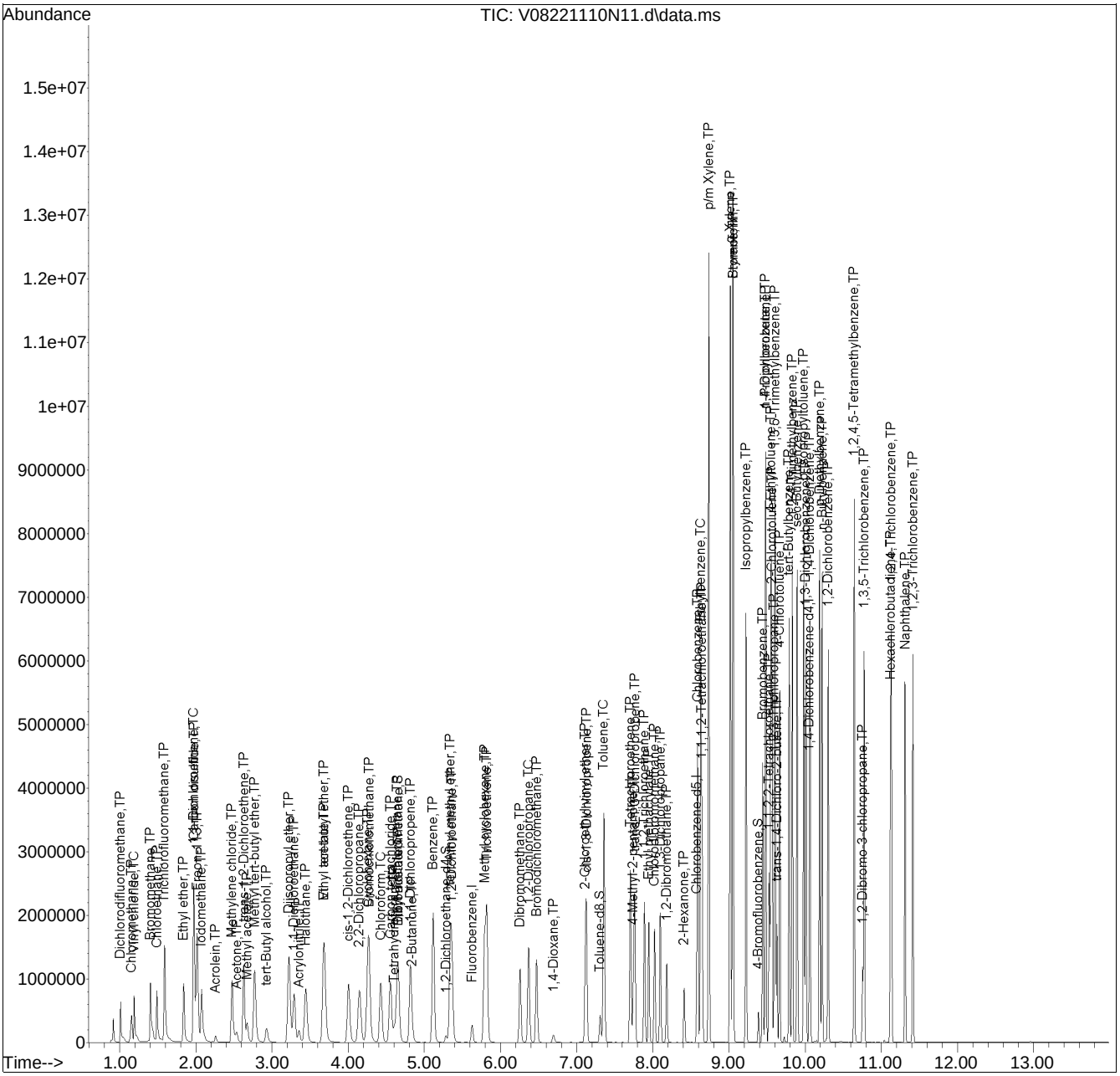
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N11.d
Acq On : 10 Nov 2022 7:59 pm
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG1711062,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 11 07:39:44 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21110NICAL\V08221110N09.d•

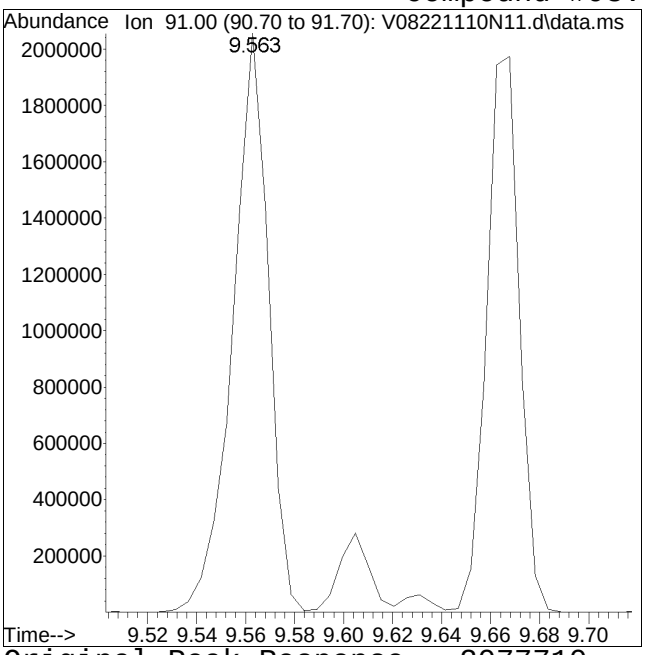


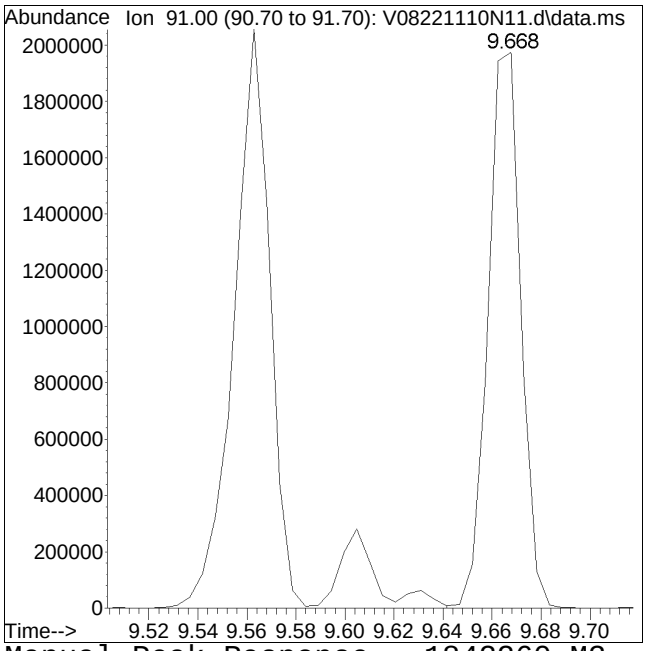
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221110N11.d
Date Inj'd : 11/10/2022 7:59 pm
Sample : I8260STD80PPB

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/11/2022 7:37 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 2077710 Manual Peak Response = 1842260 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N12.d
Acq On : 10 Nov 2022 8:19 pm
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG1711062,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 07:40:24 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	254618	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery = 107.81%			
59) Chlorobenzene-d5	8.577	117	218169	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery = 116.32%			
79) 1,4-Dichlorobenzene-d4	10.056	152	125963	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery = 120.93%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	74709	9.936	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.36%			
43) 1,2-Dichloroethane-d4	5.285	65	76886	9.564	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.64%			
60) Toluene-d8	7.308	98	256432	9.503	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.03%			
83) 4-Bromofluorobenzene	9.385	95	92336	9.361	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.61%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.012	85	577799	132.487	ug/L	88
3) Chloromethane	1.158	50	621621	113.393	ug/L	99
4) Vinyl chloride	1.190	62	711730	129.056	ug/L	95
5) Bromomethane	1.405	94	714680	134.870	ug/L	98
6) Chloroethane	1.489	64	630513	98.905	ug/L	94
7) Trichlorofluoromethane	1.588	101	1497974	116.134	ug/L	98
8) Ethyl ether	1.840	74	469076	105.652	ug/L #	57
10) 1,1-Dichloroethene	1.971	96	881252	112.596	ug/L #	52
11) Carbon disulfide	1.976	76	1541069	115.373	ug/L	94
12) Freon-113	2.018	101	919047	117.823	ug/L	89
13) Iodomethane	2.076	142	1187227	139.038	ug/L	86
14) Acrolein	2.259	56	109524	104.034	ug/L	94
15) Methylene chloride	2.474	84	725446	104.616	ug/L #	63
17) Acetone	2.537	43	201212	83.922	ug/L	100
18) trans-1,2-Dichloroethene	2.632	96	733534	120.238	ug/L #	66
19) Methyl acetate	2.674	43	490896	100.894	ug/L #	84
20) Methyl tert-butyl ether	2.773	73	1968267	120.041	ug/L	91
21) tert-Butyl alcohol	2.931	59	460779	617.407	ug/L #	69
22) Diisopropyl ether	3.224	45	2071512	121.956	ug/L #	85
23) 1,1-Dichloroethane	3.292	63	1181179	119.141	ug/L	96
24) Halothane	3.444	117	612487	124.047	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N12.d
Acq On : 10 Nov 2022 8:19 pm
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG1711062,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 07:40:24 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.355	53	229577	113.211	ug/L		97
26) Ethyl tert-butyl ether	3.686	59	2226846	129.024	ug/L	#	88
27) Vinyl acetate	3.675	43	1476701	128.338	ug/L	#	89
28) cis-1,2-Dichloroethene	4.005	96	860507	122.352	ug/L	#	61
29) 2,2-Dichloropropane	4.147	77	1108754	120.178	ug/L		93
30) Bromochloromethane	4.278	128	463799	116.282	ug/L	#	42
31) Cyclohexane	4.262	56	1018660	119.357	ug/L	#	41
32) Chloroform	4.425	83	1360529	120.225	ug/L		95
33) Ethyl acetate	4.661	43	723809	120.561	ug/L	#	92
34) Carbon tetrachloride	4.556	117	1155669	137.754	ug/L		98
35) Tetrahydrofuran	4.603	42	209348	94.021	ug/L	#	47
37) 1,1,1-Trichloroethane	4.645	97	1203794	122.967	ug/L	#	94
39) 2-Butanone	4.839	43	347409	95.001	ug/L	#	32
40) 1,1-Dichloropropene	4.818	75	962698	123.590	ug/L		91
41) Benzene	5.117	78	2939908	127.560	ug/L	#	87
42) tert-Amyl methyl ether	5.342	73	2364866	131.345	ug/L	#	86
44) 1,2-Dichloroethane	5.363	62	1055158	118.246	ug/L		96
47) Methyl cyclohexane	5.793	83	1237781	131.601	ug/L	#	59
48) Trichloroethene	5.819	95	859313	129.069	ug/L		88
50) Dibromomethane	6.255	93	580841	127.054	ug/L		90
51) 1,2-Dichloropropane	6.370	63	721709	121.397	ug/L		98
53) 2-Chloroethyl vinyl ether	7.114	63	519669	142.404	ug/L	#	83
54) Bromodichloromethane	6.475	83	1116287	130.376	ug/L	#	99
57) 1,4-Dioxane	6.695	88	84986	1224.748	ug/L	#	64
58) cis-1,3-Dichloropropene	7.125	75	1321143	131.801	ug/L		89
61) Toluene	7.361	92	2017561	123.390	ug/L		98
62) 4-Methyl-2-pentanone	7.744	58	298077	128.248	ug/L	#	89
63) Tetrachloroethene	7.707	166	960545	122.321	ug/L		87
65) trans-1,3-Dichloropropene	7.765	75	1272713	127.271	ug/L		93
67) Ethyl methacrylate	7.948	69	1026652	129.041	ug/L		98
68) 1,1,2-Trichloroethane	7.890	83	619799	115.828	ug/L		91
69) Chlorodibromomethane	8.022	129	1029225	131.840	ug/L		97
70) 1,3-Dichloropropane	8.100	76	1250927	114.530	ug/L		100
71) 1,2-Dibromoethane	8.184	107	854982	120.965	ug/L		97
72) 2-Hexanone	8.409	43	542763	108.700	ug/L		95
73) Chlorobenzene	8.588	112	2494388	123.012	ug/L	#	83
74) Ethylbenzene	8.630	91	3940206	126.384	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.645	131	982785	133.474	ug/L		96
76) p/m Xylene	8.735	106	3312788	263.932	ug/L		86
77) o Xylene	9.018	106	3202941	270.590	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N12.d
Acq On : 10 Nov 2022 8:19 pm
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG1711062,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 07:40:24 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.054	104	5743249	297.497	ug/L	#	82
80) Bromoform	9.054	173	908326	178.915	ug/L		95
82) Isopropylbenzene	9.222	105	4184062	123.946	ug/L		93
84) Bromobenzene	9.442	156	1165956	116.705	ug/L		98
85) n-Propylbenzene	9.479	91	4815900	123.176	ug/L	#	90
86) 1,4-Dichlorobutane	9.479	55	1144793	117.240	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.526	83	1067705	121.105	ug/L		99
88) 4-Ethyltoluene	9.552	105	4022500	122.720	ug/L		93
89) 2-Chlorotoluene	9.563	91	3155685	118.148	ug/L	#	86
90) 1,3,5-Trimethylbenzene	9.605	105	3511444	125.576	ug/L	#	86
91) 1,2,3-Trichloropropane	9.600	75	873931	112.164	ug/L		90
92) trans-1,4-Dichloro-2-b...	9.631	53	276844	116.859	ug/L	#	49
93) 4-Chlorotoluene	9.668	91	2812427M3	116.220	ug/L		
94) tert-Butylbenzene	9.788	119	3118592	120.690	ug/L		94
97) 1,2,4-Trimethylbenzene	9.830	105	3575392	131.644	ug/L		88
98) sec-Butylbenzene	9.893	105	4507304	124.997	ug/L		93
99) p-Isopropyltoluene	9.982	119	4163228	131.720	ug/L		91
100) 1,3-Dichlorobenzene	10.009	146	2304214	123.638	ug/L		96
101) 1,4-Dichlorobenzene	10.061	146	2280820	118.378	ug/L		96
102) p-Diethylbenzene	10.192	119	2511549	135.926	ug/L		91
103) n-Butylbenzene	10.224	91	3437706	129.245	ug/L	#	95
104) 1,2-Dichlorobenzene	10.302	146	2205861	117.210	ug/L		94
105) 1,2,4,5-Tetramethylben...	10.643	119	4095997	146.476	ug/L		94
106) 1,2-Dibromo-3-chloropr...	10.753	155	238167	141.842	ug/L		93
107) 1,3,5-Trichlorobenzene	10.774	180	1736889	130.504	ug/L	#	92
108) Hexachlorobutadiene	11.120	225	706065	123.372	ug/L		95
109) 1,2,4-Trichlorobenzene	11.131	180	1583108	120.941	ug/L		98
110) Naphthalene	11.314	128	4211663	119.680	ug/L		100
111) 1,2,3-Trichlorobenzene	11.414	180	1579264	118.626	ug/L		99

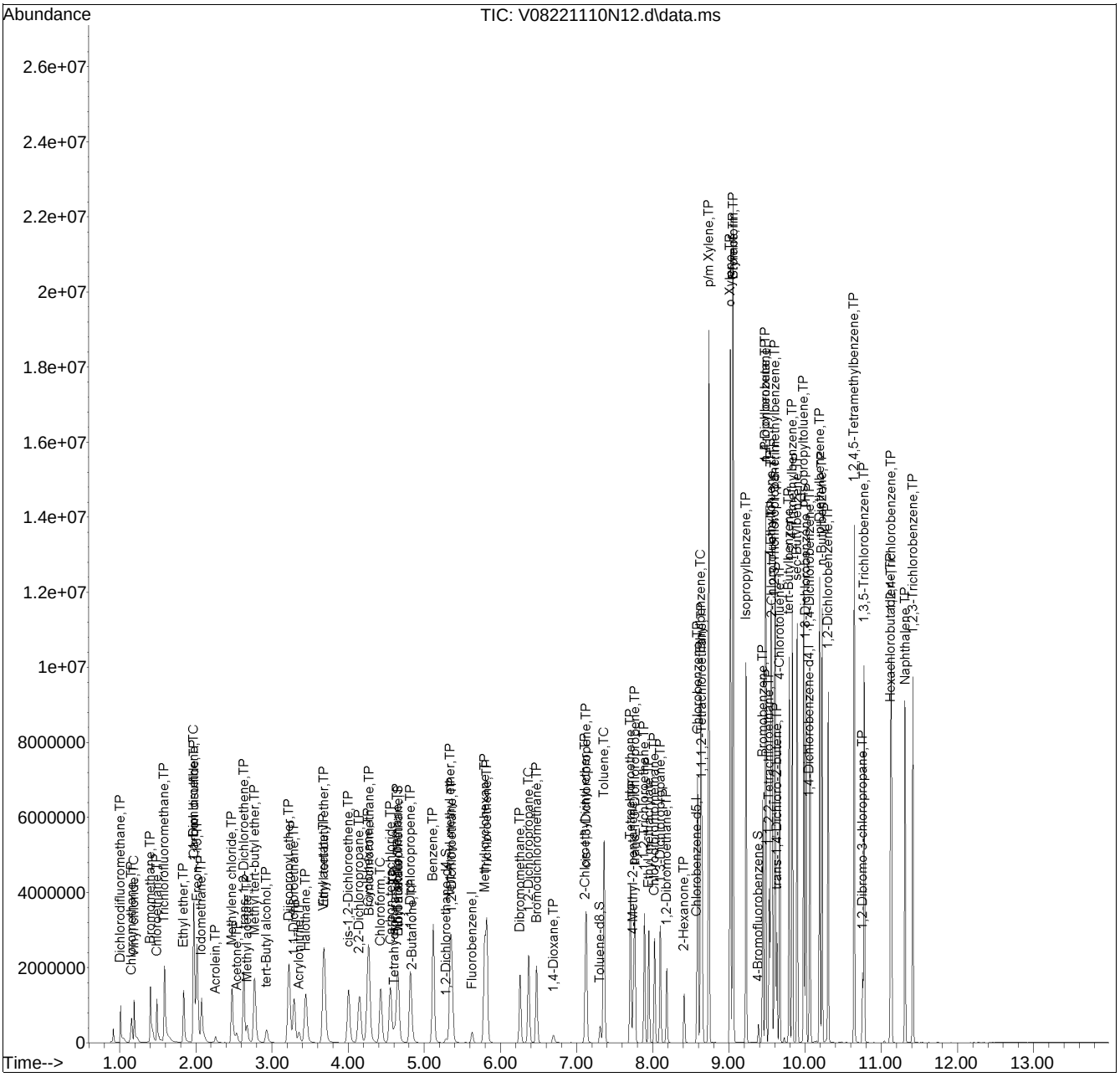
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N12.d
Acq On : 10 Nov 2022 8:19 pm
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG1711062,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 11 07:40:24 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21110NICAL\V08221110N09.d•

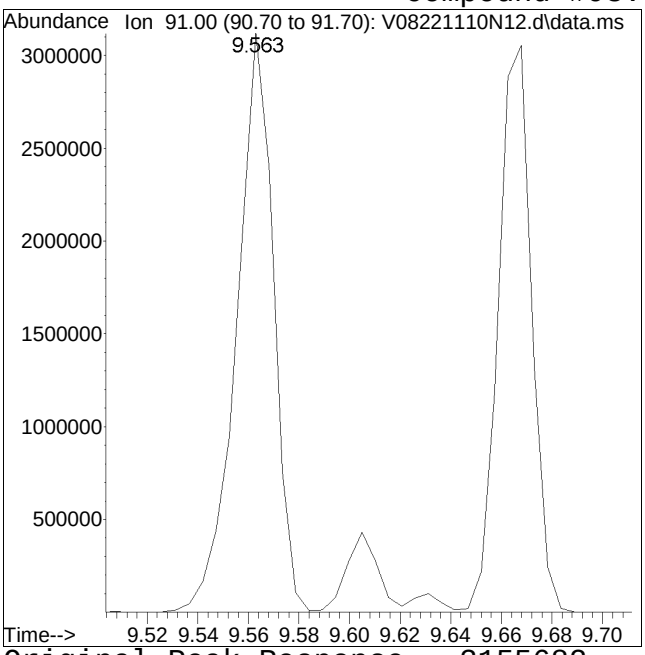


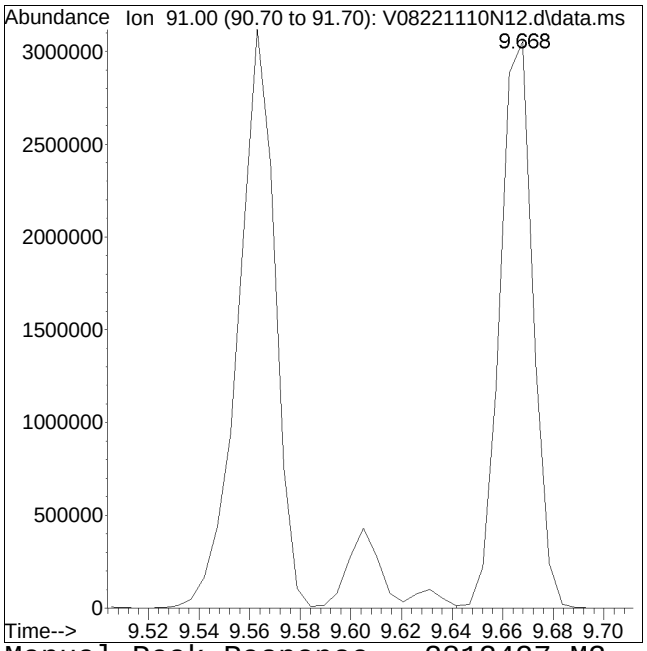
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221110N12.d
Date Inj'd : 11/10/2022 8:19 pm
Sample : I8260STD120PPB

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/11/2022 7:37 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 3155682 Manual Peak Response = 2812427 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N13.d
Acq On : 10 Nov 2022 8:39 pm
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG1711062,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 07:41:14 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.631	96	256769	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery = 108.72%			
59) Chlorobenzene-d5	8.577	117	217840	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery = 116.14%			
79) 1,4-Dichlorobenzene-d4	10.056	152	127934	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery = 122.83%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	73381	9.677	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.77%			
43) 1,2-Dichloroethane-d4	5.285	65	77241	9.527	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.27%			
60) Toluene-d8	7.308	98	255505	9.483	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.83%			
83) 4-Bromofluorobenzene	9.390	95	90627	9.046	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.012	85	987953M1	224.636	ug/L	
3) Chloromethane	1.158	50	1046587	189.313	ug/L	99
4) Vinyl chloride	1.190	62	1201393	216.020	ug/L	94
5) Bromomethane	1.405	94	1274153	238.437	ug/L	99
6) Chloroethane	1.489	64	1071362	166.651	ug/L	95
7) Trichlorofluoromethane	1.588	101	2586616	198.854	ug/L	98
8) Ethyl ether	1.845	74	786416	175.645	ug/L #	57
10) 1,1-Dichloroethene	1.971	96	1492309	189.073	ug/L #	52
11) Carbon disulfide	1.976	76	2639763	195.971	ug/L	99
12) Freon-113	2.018	101	1574609	200.175	ug/L	88
13) Iodomethane	2.076	142	1971711	228.976	ug/L	86
14) Acrolein	2.259	56	189328	178.331	ug/L	94
15) Methylene chloride	2.474	84	1225397	175.232	ug/L #	62
17) Acetone	2.537	43	344767	142.592	ug/L	100
18) trans-1,2-Dichloroethene	2.632	96	1260794	204.934	ug/L #	66
19) Methyl acetate	2.674	43	833797	169.934	ug/L #	83
20) Methyl tert-butyl ether	2.773	73	3375802	204.160	ug/L	90
21) tert-Butyl alcohol	2.930	59	800015	1062.976	ug/L #	71
22) Diisopropyl ether	3.224	45	3532180	206.209	ug/L #	85
23) 1,1-Dichloroethane	3.292	63	2031879	203.231	ug/L	96
24) Halothane	3.444	117	1052468	211.370	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N13.d
Acq On : 10 Nov 2022 8:39 pm
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG1711062,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 07:41:14 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.355	53	393289	192.317	ug/L		98
26) Ethyl tert-butyl ether	3.685	59	3835790	220.386	ug/L	#	87
27) Vinyl acetate	3.680	43	2546945	219.497	ug/L	#	89
28) cis-1,2-Dichloroethene	4.005	96	1466113	206.714	ug/L	#	61
29) 2,2-Dichloropropane	4.147	77	1875146	201.545	ug/L		93
30) Bromochloromethane	4.278	128	778273	193.490	ug/L	#	40
31) Cyclohexane	4.262	56	1772879	205.990	ug/L	#	42
32) Chloroform	4.430	83	2293193	200.943	ug/L		95
33) Ethyl acetate	4.666	43	1221177	201.702	ug/L	#	92
34) Carbon tetrachloride	4.556	117	1986200	234.769	ug/L		98
35) Tetrahydrofuran	4.603	42	351997	156.762	ug/L	#	48
37) 1,1,1-Trichloroethane	4.650	97	2030100	205.636	ug/L	#	94
39) 2-Butanone	4.839	43	586586	159.061	ug/L	#	31
40) 1,1-Dichloropropene	4.818	75	1631507	207.696	ug/L		91
41) Benzene	5.117	78	4973870	214.004	ug/L	#	87
42) tert-Amyl methyl ether	5.348	73	4029816	221.941	ug/L	#	86
44) 1,2-Dichloroethane	5.369	62	1781368	197.956	ug/L		96
47) Methyl cyclohexane	5.793	83	2134981	225.089	ug/L	#	59
48) Trichloroethene	5.819	95	1448098	215.682	ug/L	#	88
50) Dibromomethane	6.260	93	973468	211.154	ug/L		90
51) 1,2-Dichloropropane	6.370	63	1211088	202.008	ug/L		98
53) 2-Chloroethyl vinyl ether	7.114	63	885880	240.723	ug/L	#	82
54) Bromodichloromethane	6.475	83	1882599	218.035	ug/L	#	99
57) 1,4-Dioxane	6.695	88	147955	2114.344	ug/L	#	64
58) cis-1,3-Dichloropropene	7.130	75	2252758	222.859	ug/L	#	89
61) Toluene	7.361	92	3481159	213.222	ug/L		97
62) 4-Methyl-2-pentanone	7.749	58	504430	217.359	ug/L	#	92
63) Tetrachloroethene	7.707	166	1633683	208.356	ug/L		87
65) trans-1,3-Dichloropropene	7.765	75	2159735	216.300	ug/L		93
67) Ethyl methacrylate	7.948	69	1741582	219.233	ug/L		98
68) 1,1,2-Trichloroethane	7.890	83	1038496	194.368	ug/L		90
69) Chlorodibromomethane	8.027	129	1750618	224.586	ug/L		97
70) 1,3-Dichloropropane	8.100	76	2087976	191.455	ug/L		99
71) 1,2-Dibromoethane	8.184	107	1434332	203.240	ug/L		98
72) 2-Hexanone	8.415	43	912548	183.033	ug/L		95
73) Chlorobenzene	8.593	112	4298748	212.315	ug/L	#	83
74) Ethylbenzene	8.630	91	6710971	215.583	ug/L		93
75) 1,1,1,2-Tetrachloroethane	8.645	131	1698157	230.979	ug/L		96
76) p/m Xylene	8.740	106	5914910	471.957	ug/L	#	69
77) o Xylene	9.018	106	5711771	483.268	ug/L	#	62

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N13.d
Acq On : 10 Nov 2022 8:39 pm
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG1711062,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 07:41:14 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.054	104	8796008	456.317	ug/L		93
80) Bromoform	9.054	173	1663685	322.651	ug/L		96
82) Isopropylbenzene	9.227	105	6982781	203.667	ug/L		90
84) Bromobenzene	9.448	156	2019556	199.031	ug/L		98
85) n-Propylbenzene	9.484	91	7904927	199.069	ug/L	#	85
86) 1,4-Dichlorobutane	9.484	55	1997455	201.412	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.531	83	1797753	200.769	ug/L		99
88) 4-Ethyltoluene	9.552	105	6862729	206.145	ug/L		90
89) 2-Chlorotoluene	9.563	91	5465127	201.460	ug/L	#	85
90) 1,3,5-Trimethylbenzene	9.605	105	6103939	214.926	ug/L	#	83
91) 1,2,3-Trichloropropane	9.600	75	1517447	191.756	ug/L		91
92) trans-1,4-Dichloro-2-b...	9.631	53	475380	197.571	ug/L	#	48
93) 4-Chlorotoluene	9.668	91	4792084M3	194.976	ug/L		
94) tert-Butylbenzene	9.794	119	5448639	207.614	ug/L		94
97) 1,2,4-Trimethylbenzene	9.830	105	6109225	221.473	ug/L	#	85
98) sec-Butylbenzene	9.898	105	7557250	206.349	ug/L		89
99) p-Isopropyltoluene	9.982	119	7180475	223.682	ug/L		91
100) 1,3-Dichlorobenzene	10.014	146	4053656	214.157	ug/L		96
101) 1,4-Dichlorobenzene	10.066	146	4043592	206.635	ug/L		95
102) p-Diethylbenzene	10.192	119	4571169	243.582	ug/L		91
103) n-Butylbenzene	10.224	91	5972042	221.067	ug/L	#	92
104) 1,2-Dichlorobenzene	10.302	146	3914329	204.787	ug/L		95
105) 1,2,4,5-Tetramethylben...	10.648	119	7220051	254.217	ug/L		91
106) 1,2-Dibromo-3-chloropr...	10.758	155	427054	250.417	ug/L		91
107) 1,3,5-Trichlorobenzene	10.779	180	3158404	233.656	ug/L	#	93
108) Hexachlorobutadiene	11.120	225	1286635	221.353	ug/L		95
109) 1,2,4-Trichlorobenzene	11.136	180	2878838	216.540	ug/L		98
110) Naphthalene	11.314	128	7185104	201.028	ug/L		100
111) 1,2,3-Trichlorobenzene	11.414	180	2848590	210.675	ug/L		99

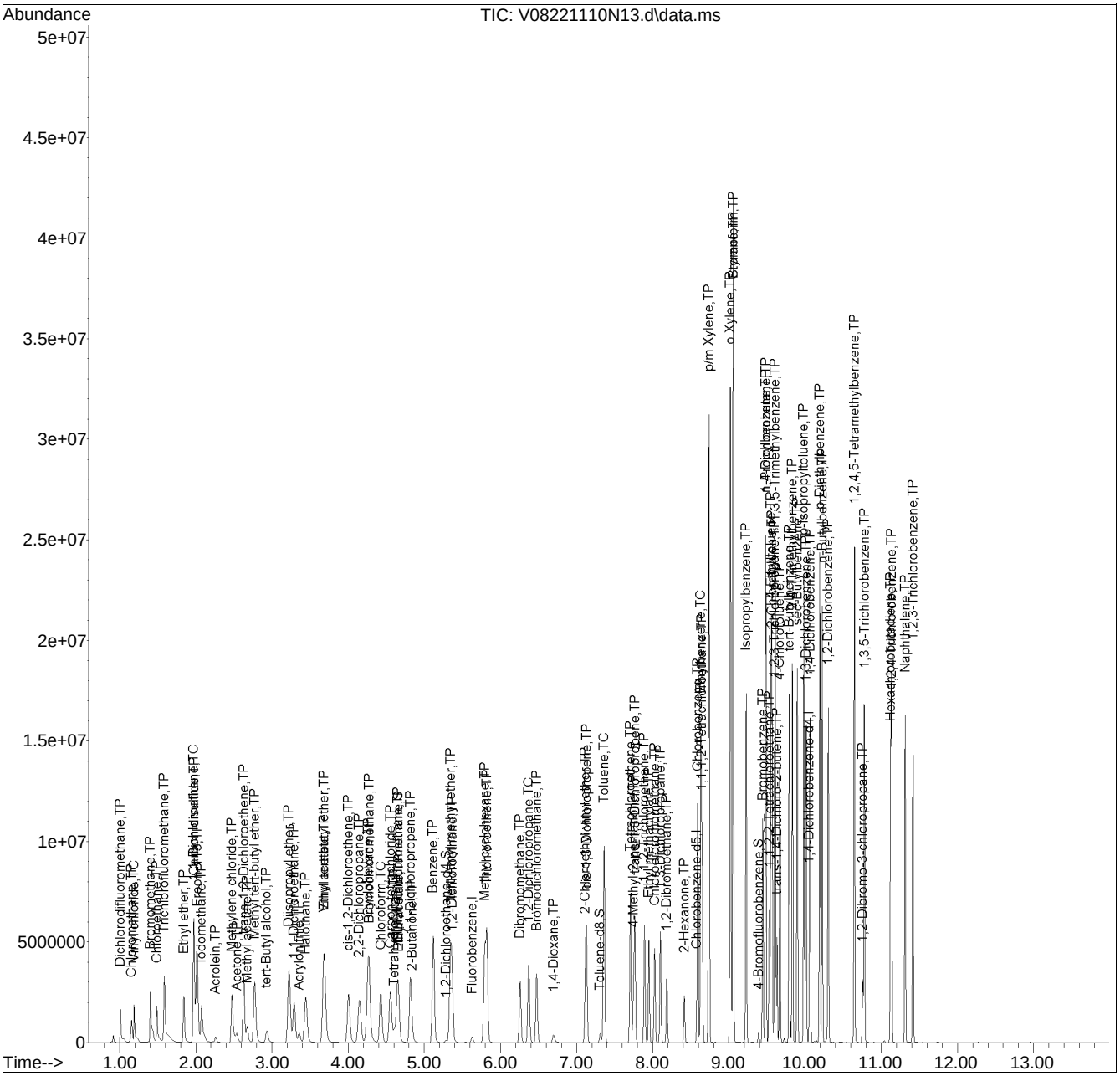
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N13.d
Acq On : 10 Nov 2022 8:39 pm
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG1711062,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 11 07:41:14 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:36:31 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21110NICAL\V08221110N09.d•

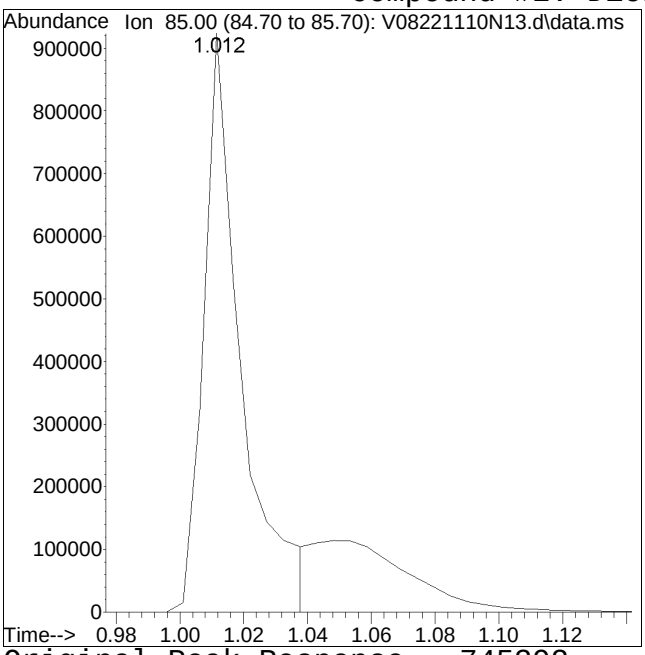


Manual Integration Report

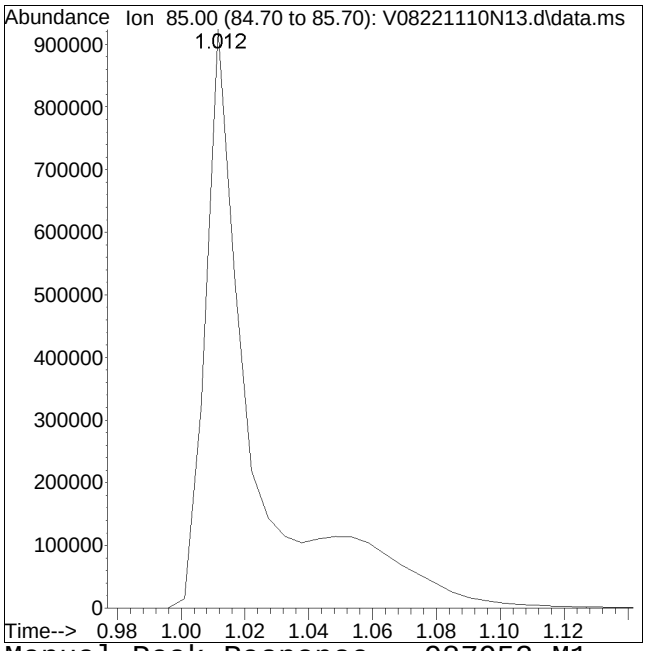
Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221110N13.d
Date Inj'd : 11/10/2022 8:39 pm
Sample : I8260STD200PPB

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/11/2022 7:38 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 745392



Manual Peak Response = 987953 M1

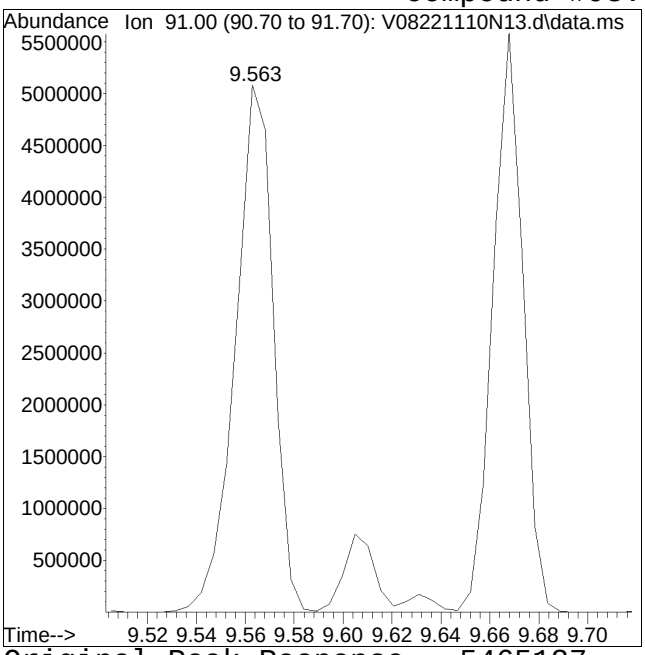
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

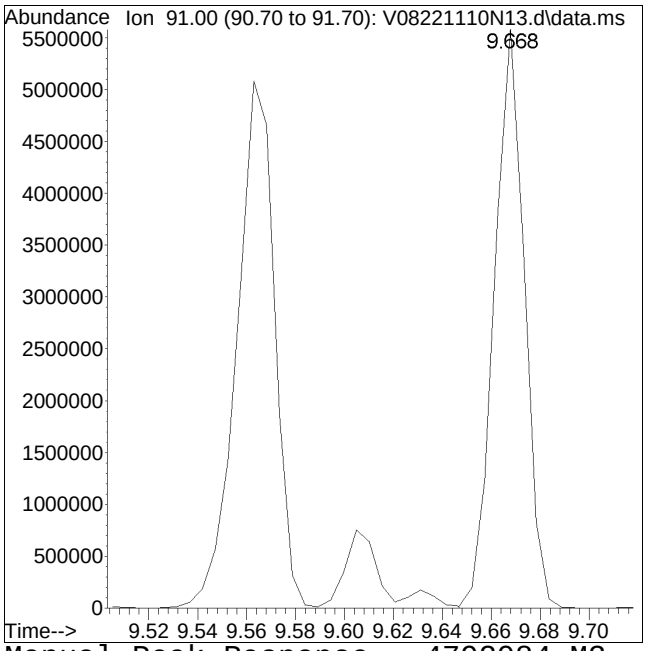
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221110N13.d
Date Inj'd : 11/10/2022 8:39 pm
Sample : I8260STD200PPB

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/11/2022 7:38 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 5465127 Manual Peak Response = 4792084 M3

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	99	0.00
2	TP	Dichlorodifluoromethane	0.187	0.254	-35.8#	133	0.00
3	TP	Chloromethane	0.210	0.231	-10.0	109	0.00
4	TC	Vinyl chloride	0.226	0.265	-17.3	111	0.00
5	TP	Bromomethane	0.220	0.302	-37.3#	149	0.00
6	TP	Chloroethane	0.231	0.262	-13.4	112	0.00
7	TP	Trichlorofluoromethane	0.504	0.550	-9.1	108	0.00
8	TP	Ethyl ether	0.164	0.199	-21.3#	122	0.00
10	TC	1,1-Dichloroethene	0.298	0.292	2.0	99	0.00
11	TP	Carbon disulfide	0.517	0.831	-60.7#	162	0.00
12	TP	Freon-113	0.306	0.313	-2.3	102	0.00
13	TP	Iodomethane	0.367	0.295	19.6	80	0.00
14	TP	Acrolein	0.038	0.019	50.0#	53	0.00
15	TP	Methylene chloride	0.253	0.241	4.7	97	0.00
17	TP	Acetone	0.070	0.068	2.9	98	0.00
18	TP	trans-1,2-Dichloroethene	0.242	0.243	-0.4	101	0.00
19	TP	Methyl acetate	0.174	0.163	6.3	99	0.00
20	TP	Methyl tert-butyl ether	0.647	0.688	-6.3	107	0.00
21	TP	tert-Butyl alcohol	0.030	0.027	10.0	97	0.00
22	TP	Diisopropyl ether	0.675	0.627	7.1	95	0.00
23	TP	1,1-Dichloroethane	0.390	0.403	-3.3	102	0.00
24	TP	Halothane	0.198	0.198	0.0	100	0.00
25	TP	Acrylonitrile	0.077	0.080	-3.9	106	0.00
26	TP	Ethyl tert-butyl ether	0.706	0.660	6.5	95	0.00
27	TP	Vinyl acetate	0.466	0.355	23.8#	78	0.00
28	TP	cis-1,2-Dichloroethene	0.279	0.268	3.9	96	0.00
29	TP	2,2-Dichloropropane	0.363	0.329	9.4	94	0.00
30	TP	Bromochloromethane	0.154	0.150	2.6	95	0.00
31	TP	Cyclohexane	0.335	0.314	6.3	96	0.00
32	TC	Chloroform	0.445	0.445	0.0	101	0.00
33	TP	Ethyl acetate	0.237	0.226	4.6	95	0.00
34	TP	Carbon tetrachloride	0.353	0.356	-0.8	101	0.00
35	TP	Tetrahydrofuran	0.077	0.069	10.4	93	0.00
36	S	Dibromofluoromethane	0.293	0.287	2.0	97	0.00
37	TP	1,1,1-Trichloroethane	0.390	0.418	-7.2	108	0.00
39	TP	2-Butanone	0.116	0.112	3.4	102	0.00
40	TP	1,1-Dichloropropene	0.311	0.307	1.3	100	0.00
41	TP	Benzene	0.931	0.907	2.6	98	0.00
42	TP	tert-Amyl methyl ether	0.741	0.653	11.9	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	0.309	0.307	0.6	97	0.00
44	TP	1,2-Dichloroethane	0.348	0.342	1.7	101	0.00
47	TP	Methyl cyclohexane	0.389	0.368	5.4	98	0.00
48	TP	Trichloroethene	0.271	0.283	-4.4	103	0.00
50	TP	Dibromomethane	0.185	0.180	2.7	97	0.00
51	TC	1,2-Dichloropropane	0.235	0.231	1.7	101	0.00
53	TP	2-Chloroethyl vinyl ether	0.158	0.152	3.8	98	0.00
54	TP	Bromodichloromethane	0.352	0.337	4.3	98	0.00
57	TP	1,4-Dioxane	0.00274	0.00259#	5.5	95	0.00
58	TP	cis-1,3-Dichloropropene	0.414	0.392	5.3	98	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
60	S	Toluene-d8	1.209	1.251	-3.5	102	0.00
61	TC	Toluene	0.768	0.741	3.5	98	0.00
62	TP	4-Methyl-2-pentanone	0.111	0.101	9.0	91	0.00
63	TP	Tetrachloroethene	0.367	0.368	-0.3	101	0.00
65	TP	trans-1,3-Dichloropropene	0.478	0.462	3.3	98	0.00
67	TP	Ethyl methacrylate	0.381	0.372	2.4	100	0.00
68	TP	1,1,2-Trichloroethane	0.243	0.245	-0.8	101	0.00
69	TP	Chlorodibromomethane	0.377	0.368	2.4	101	0.00
70	TP	1,3-Dichloropropane	0.492	0.484	1.6	97	0.00
71	TP	1,2-Dibromoethane	0.327	0.318	2.8	98	0.00
72	TP	2-Hexanone	0.219	0.194	11.4	92	0.00
73	TP	Chlorobenzene	0.946	0.927	2.0	101	0.00
74	TC	Ethylbenzene	1.473	1.439	2.3	100	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.360	0.343	4.7	100	0.00
76	TP	p/m Xylene	0.612	0.577	5.7	99	0.00
77	TP	o Xylene	0.583	0.564	3.3	102	0.00
78	TP	Styrene	0.981	0.945	3.7	102	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
80	TP	Bromoform	0.479	0.436	9.0	97	0.00
82	TP	Isopropylbenzene	2.721	2.759	-1.4	101	0.00
83	S	4-Bromofluorobenzene	0.759	0.794	-4.6	101	0.00
84	TP	Bromobenzene	0.783	0.767	2.0	98	0.00
85	TP	n-Propylbenzene	3.135	3.190	-1.8	101	0.00
86	TP	1,4-Dichlorobutane	0.767	0.779	-1.6	105	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.704	0.656	6.8	91	0.00
88	TP	4-Ethyltoluene	2.652	2.603	1.8	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	2.120	2.110	0.5	99	0.00
90 TP	1,3,5-Trimethylbenzene	2.295	2.209	3.7	97	0.00
91 TP	1,2,3-Trichloropropane	0.601	0.589	2.0	100	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.186	0.186	0.0	100	0.00
93 TP	4-Chlorotoluene	1.898	1.912	-0.7	100	0.00
94 TP	tert-Butylbenzene	2.070	2.057	0.6	100	0.00
97 TP	1,2,4-Trimethylbenzene	2.276	2.282	-0.3	101	0.00
98 TP	sec-Butylbenzene	2.941	2.987	-1.6	102	0.00
99 TP	p-Isopropyltoluene	2.659	2.613	1.7	100	0.00
100 TP	1,3-Dichlorobenzene	1.513	1.493	1.3	101	0.00
101 TP	1,4-Dichlorobenzene	1.532	1.508	1.6	99	0.00
102 TP	p-Diethylbenzene	1.582	1.428	9.7	93	0.00
103 TP	n-Butylbenzene	2.212	2.256	-2.0	104	0.00
104 TP	1,2-Dichlorobenzene	1.488	1.478	0.7	101	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.470	2.205	10.7	95	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.147	0.146	0.7	99	0.00
107 TP	1,3,5-Trichlorobenzene	1.108	1.078	2.7	102	0.00
108 TP	Hexachlorobutadiene	0.465	0.459	1.3	100	0.00
109 TP	1,2,4-Trichlorobenzene	1.050	1.020	2.9	99	0.00
110 TP	Naphthalene	2.791	2.761	1.1	100	0.00
111 TP	1,2,3-Trichlorobenzene	1.054	1.014	3.8	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	233585	10.000	ug/L	0.00
Standard Area 1 = 236166			Recovery = 98.91%			
59) Chlorobenzene-d5	8.577	117	185486	10.000	ug/L	0.00
Standard Area 1 = 187561			Recovery = 98.89%			
79) 1,4-Dichlorobenzene-d4	10.050	152	99786	10.000	ug/L	0.00
Standard Area 1 = 104158			Recovery = 95.80%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	67138	9.794	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.94%			
43) 1,2-Dichloroethane-d4	5.285	65	71607	9.930	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.30%			
60) Toluene-d8	7.308	98	232114	10.350	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.50%			
83) 4-Bromofluorobenzene	9.385	95	79182	10.456	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	59291	13.540	ug/L	98
3) Chloromethane	1.153	50	53972	11.018	ug/L	98
4) Vinyl chloride	1.190	62	61824	11.718	ug/L	93
5) Bromomethane	1.405	94	70502	13.747	ug/L	97
6) Chloroethane	1.489	64	61270	11.353	ug/L	94
7) Trichlorofluoromethane	1.593	101	128575	10.915	ug/L	100
8) Ethyl ether	1.840	74	46381	12.130	ug/L #	56
10) 1,1-Dichloroethene	1.971	96	68200	9.798	ug/L #	52
11) Carbon disulfide	1.981	76	194138	16.072	ug/L	97
12) Freon-113	2.018	101	73183	10.234	ug/L	87
13) Iodomethane	2.076	142	69023	8.047	ug/L	86
14) Acrolein	2.265	56	4410	4.939	ug/L	97
15) Methylene chloride	2.474	84	56224	9.500	ug/L #	64
17) Acetone	2.542	43	15908	9.797	ug/L	100
18) trans-1,2-Dichloroethene	2.632	96	56713	10.048	ug/L #	66
19) Methyl acetate	2.679	43	38004	9.353	ug/L #	85
20) Methyl tert-butyl ether	2.773	73	160781	10.637	ug/L	91
21) tert-Butyl alcohol	2.930	59	31892	45.932	ug/L #	72
22) Diisopropyl ether	3.224	45	146473	9.296	ug/L #	83
23) 1,1-Dichloroethane	3.292	63	94018	10.317	ug/L	97
24) Halothane	3.444	117	46267	10.016	ug/L	97

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.355	53	18766	10.400	ug/L		99
26) Ethyl tert-butyl ether	3.685	59	154212	9.355	ug/L	#	90
27) Vinyl acetate	3.680	43	82898	7.621	ug/L	#	92
28) cis-1,2-Dichloroethene	4.005	96	62598	9.598	ug/L	#	62
29) 2,2-Dichloropropane	4.147	77	76906	9.077	ug/L		98
30) Bromochloromethane	4.278	128	35047	9.724	ug/L	#	43
31) Cyclohexane	4.262	56	73258	9.350	ug/L	#	44
32) Chloroform	4.430	83	104027	9.998	ug/L		96
33) Ethyl acetate	4.666	43	52720	9.520	ug/L	#	94
34) Carbon tetrachloride	4.556	117	83116	10.084	ug/L		99
35) Tetrahydrofuran	4.613	42	16108	8.939	ug/L	#	53
37) 1,1,1-Trichloroethane	4.650	97	97615	10.704	ug/L	#	93
39) 2-Butanone	4.839	43	26172	9.688	ug/L	#	36
40) 1,1-Dichloropropene	4.818	75	71799	9.897	ug/L		92
41) Benzene	5.117	78	211894	9.738	ug/L	#	88
42) tert-Amyl methyl ether	5.342	73	152494	8.807	ug/L		88
44) 1,2-Dichloroethane	5.363	62	79838	9.825	ug/L		96
47) Methyl cyclohexane	5.793	83	85879	9.454	ug/L	#	60
48) Trichloroethene	5.819	95	66096	10.448	ug/L		89
50) Dibromomethane	6.254	93	41998	9.724	ug/L		91
51) 1,2-Dichloropropane	6.370	63	53986	9.819	ug/L		97
53) 2-Chloroethyl vinyl ether	7.114	63	35418	9.614	ug/L	#	86
54) Bromodichloromethane	6.475	83	78602	9.567	ug/L	#	98
57) 1,4-Dioxane	6.695	88	30258	472.809	ug/L	#	67
58) cis-1,3-Dichloropropene	7.125	75	91555	9.459	ug/L		90
61) Toluene	7.356	92	137436	9.649	ug/L		99
62) 4-Methyl-2-pentanone	7.744	58	18811	9.101	ug/L	#	86
63) Tetrachloroethene	7.707	166	68205	10.032	ug/L		88
65) trans-1,3-Dichloropropene	7.764	75	85778	9.682	ug/L		95
67) Ethyl methacrylate	7.948	69	68990	9.773	ug/L		99
68) 1,1,2-Trichloroethane	7.890	83	45520	10.108	ug/L		92
69) Chlorodibromomethane	8.021	129	68181	9.743	ug/L		97
70) 1,3-Dichloropropane	8.095	76	89843	9.836	ug/L		97
71) 1,2-Dibromoethane	8.184	107	59039	9.722	ug/L		95
72) 2-Hexanone	8.415	43	35976	8.864	ug/L		97
73) Chlorobenzene	8.588	112	171998	9.798	ug/L	#	85
74) Ethylbenzene	8.630	91	266913	9.767	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.645	131	63582	9.516	ug/L		94
76) p/m Xylene	8.734	106	214181	18.880	ug/L		91
77) o Xylene	9.012	106	209064	19.335	ug/L		85

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221110NICAL\V08221110N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	9.049	104	350674	19.277	ug/L	#	83
80) Bromoform	9.054	173	43457	9.096	ug/L		96
82) Isopropylbenzene	9.222	105	275325	10.139	ug/L		95
84) Bromobenzene	9.442	156	76575	9.803	ug/L		99
85) n-Propylbenzene	9.479	91	318309	10.174	ug/L		92
86) 1,4-Dichlorobutane	9.479	55	77760	10.159	ug/L		99
87) 1,1,2,2-Tetrachloroethane	9.526	83	65418	9.310	ug/L		99
88) 4-Ethyltoluene	9.547	105	259767	9.815	ug/L		93
89) 2-Chlorotoluene	9.563	91	210582	9.956	ug/L	#	87
90) 1,3,5-Trimethylbenzene	9.605	105	220419	9.625	ug/L		87
91) 1,2,3-Trichloropropane	9.594	75	58759	9.791	ug/L		94
92) trans-1,4-Dichloro-2-b...	9.626	53	18537	9.981	ug/L	#	71
93) 4-Chlorotoluene	9.662	91	190796M3	10.076	ug/L		
94) tert-Butylbenzene	9.788	119	205235	9.934	ug/L		95
97) 1,2,4-Trimethylbenzene	9.830	105	227720	10.026	ug/L		90
98) sec-Butylbenzene	9.893	105	298018	10.156	ug/L		94
99) p-Isopropyltoluene	9.982	119	260763	9.829	ug/L		93
100) 1,3-Dichlorobenzene	10.009	146	148938	9.867	ug/L		96
101) 1,4-Dichlorobenzene	10.061	146	150434	9.842	ug/L		96
102) p-Diethylbenzene	10.187	119	142535	9.030	ug/L		91
103) n-Butylbenzene	10.218	91	225133	10.202	ug/L	#	96
104) 1,2-Dichlorobenzene	10.302	146	147530	9.938	ug/L		94
105) 1,2,4,5-Tetramethylben...	10.643	119	220045	8.928	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.753	155	14556	9.928	ug/L		91
107) 1,3,5-Trichlorobenzene	10.774	180	107552	9.728	ug/L		92
108) Hexachlorobutadiene	11.120	225	45770	9.854	ug/L		96
109) 1,2,4-Trichlorobenzene	11.131	180	101765	9.716	ug/L		99
110) Naphthalene	11.309	128	275544	9.893	ug/L		100
111) 1,2,3-Trichlorobenzene	11.414	180	101162	9.614	ug/L		99

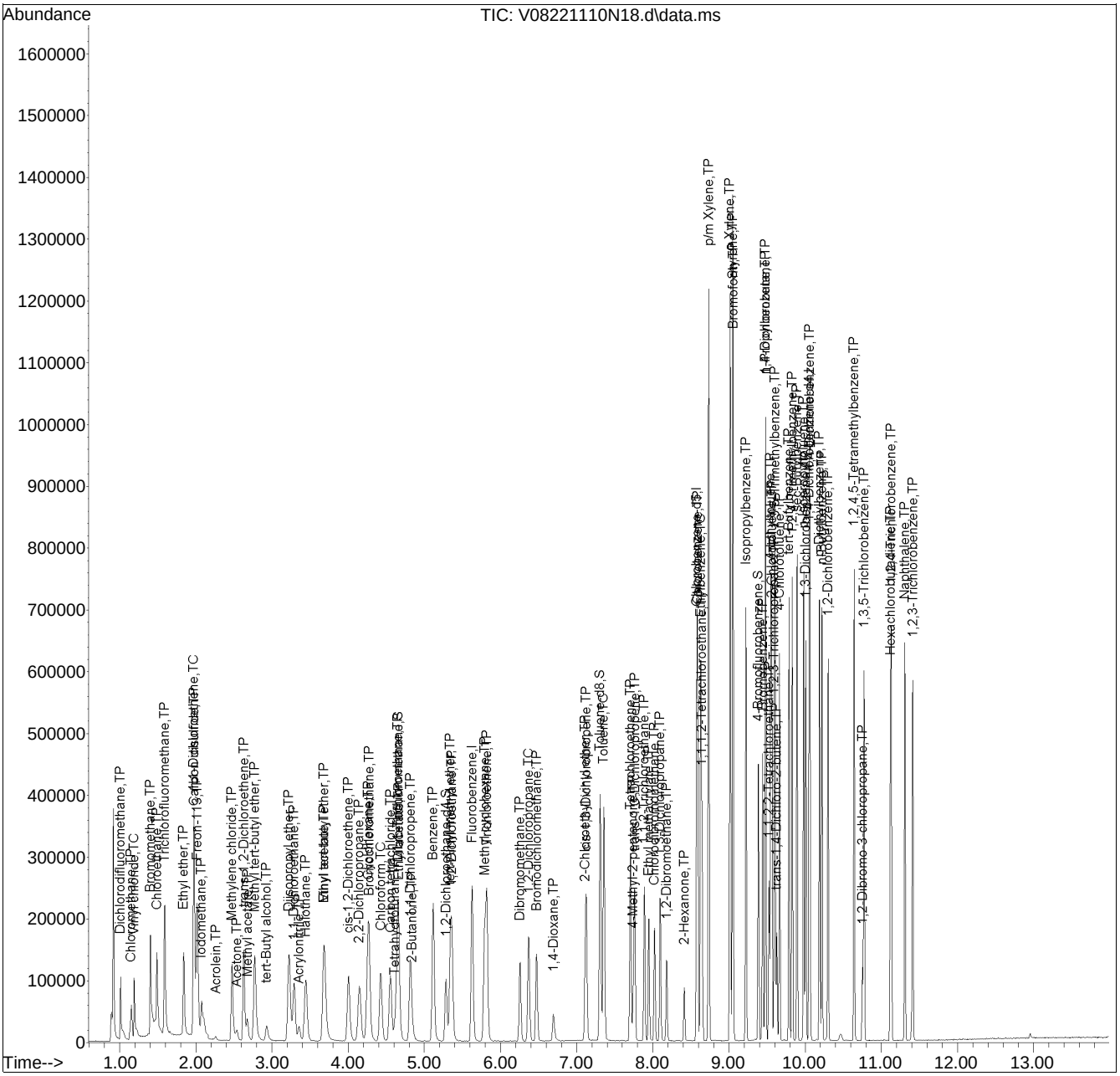
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

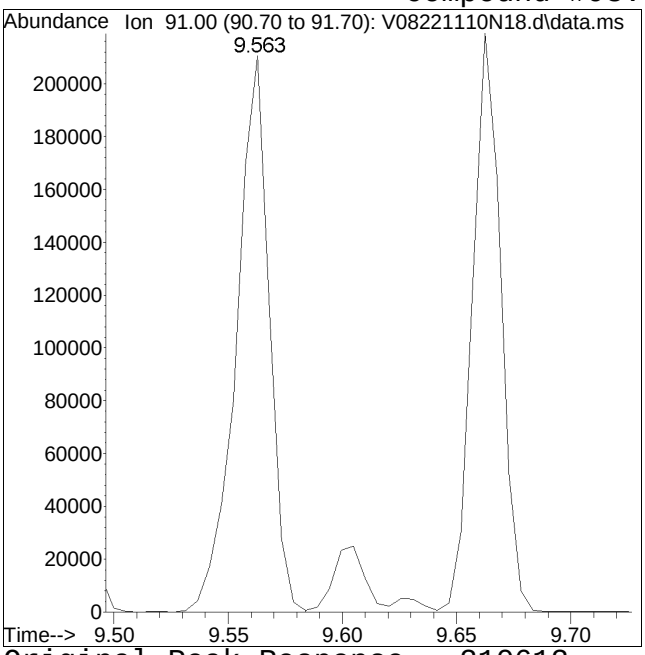
Sub List : 8260-Curve - Megamix plus Diox21110NICAL\V08221110N09.d•

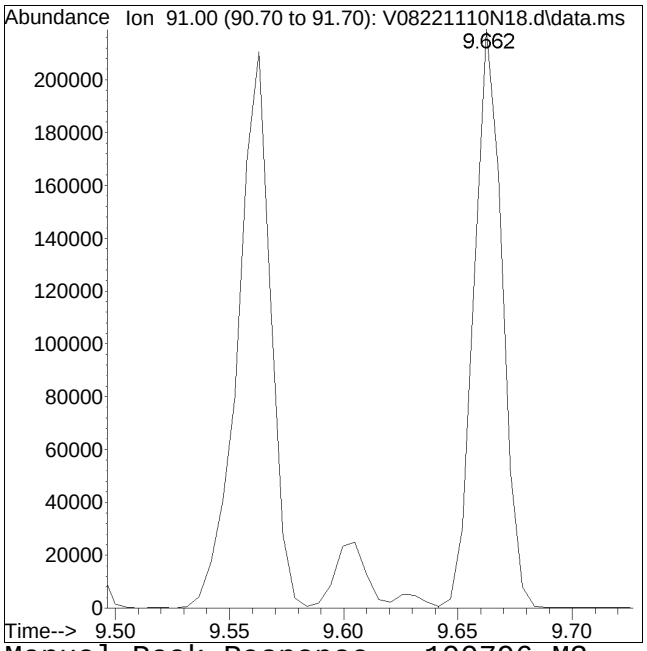


Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2QMethod : V108_221110N_8260.m
Data File : V08221110N18.d Operator : VOA108:PID
Date Inj'd : 11/10/2022 10:19 pm Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 11/11/2022 7:43 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 210612 Manual Peak Response = 190796 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.

Response Factor Report VOA 116

Method Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Method File : V116_221112_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 14 08:29:26 2022
Response Via : Initial Calibration

Calibration Files
L11 =V16221112A03.D L1 =V16221112A05.D L2 =V16221112A07.D L3 =V16221112A08.D L4 =V16221112A09.D
L6 =V16221112A10.D L8 =V16221112A11.D L10 =V16221112A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.190	0.223	0.260	0.260	0.251	0.244	0.242	0.238	10.47
3)	TP	Chloromethane		0.330	0.349	0.369	0.367	0.358	0.354	0.356	0.355	3.65
4)	TC	Vinyl chloride	0.296	0.257	0.321	0.363	0.361	0.352	0.346	0.346	0.330	11.21
5)	TP	Bromomethane		0.189	0.221	0.221	0.212	0.208	0.206	0.207	0.209	5.24
6)	TP	Chloroethane		0.179	0.203	0.218	0.217	0.213	0.208	0.203	0.206	6.50
7)	TP	Trichlorofluor...		0.282	0.361	0.419	0.411	0.394	0.388	0.384	0.377	12.16
8)	TP	Ethyl ether		0.092	0.101	0.115	0.115	0.114	0.113	0.113	0.109	8.37
10)	TC	1,1-Dichloroet...		0.170	0.220	0.244	0.248	0.244	0.239	0.238	0.229	11.97
11)	TP	Carbon disulfide		0.361	0.437	0.469	0.468	0.462	0.465	0.464	0.447	8.76
12)	TP	Freon-113		0.190	0.247	0.276	0.281	0.272	0.268	0.268	0.257	12.30
13)	TP	Iodomethane			0.048	0.143	0.217	0.250	0.255	0.255	*L	0.9977
14)	TP	Acrolein		0.033	0.045	0.044	0.043	0.041	0.041	0.041	0.041	9.39
15)	TP	Methylene chlo...		0.272	0.258	0.272	0.268	0.264	0.261	0.259	0.265	2.25
17)	TP	Acetone			0.105	0.076	0.066	0.066	0.067	0.067	*L	0.9997
18)	TP	trans-1,2-Dich...		0.195	0.246	0.272	0.271	0.271	0.266	0.268	0.255	11.02
19)	TP	Methyl acetate			0.158	0.177	0.170	0.162	0.157	0.152	0.163	5.60
21)	TP	Methyl tert-bu...		0.482	0.519	0.599	0.593	0.593	0.587	0.583	0.565	8.11
22)	TP	tert-Butyl alc...		0.016	0.017	0.020	0.020	0.020	0.020	0.021	0.019	8.78
24)	TP	Diisopropyl ether		0.938	1.014	1.160	1.151	1.133	1.102	1.079	1.082	7.48
25)	TP	1,1-Dichloroet...		0.470	0.545	0.592	0.582	0.575	0.561	0.540	0.552	7.42
26)	TP	Halothane		0.155	0.186	0.212	0.210	0.210	0.206	0.209	0.198	10.61
27)	TP	Acrylonitrile		0.068	0.071	0.084	0.081	0.079	0.080	0.080	0.078	7.61
28)	TP	Ethyl tert-but...		0.794	0.853	0.988	0.973	0.971	0.959	0.951	0.927	7.96
29)	TP	Vinyl acetate		0.690	0.578	0.631	0.601	0.574	0.543	0.529	0.592	9.29
30)	TP	cis-1,2-Dichlo...		0.240	0.279	0.300	0.293	0.293	0.290	0.296	0.284	7.31
31)	TP	2,2-Dichloropr...		0.359	0.392	0.426	0.425	0.410	0.395	0.386	0.399	5.91
33)	TP	Bromochloromet...		0.102	0.120	0.130	0.123	0.117	0.116	0.117	0.118	7.12
34)	TP	Cyclohexane		0.502	0.588	0.675	0.674	0.649	0.635	0.637	0.623	9.73
35)	TC	Chloroform		0.410	0.481	0.529	0.520	0.518	0.510	0.510	0.497	8.31
36)	TP	Ethyl acetate		0.338	0.249	0.266	0.249	0.248	0.247	0.244	0.263	12.86

Response Factor Report VOA 116

Method Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Method File : V116_221112_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 14 08:29:26 2022
Response Via : Initial Calibration

Calibration Files
L11 =V16221112A03.D L1 =V16221112A05.D L2 =V16221112A07.D L3 =V16221112A08.D L4 =V16221112A09.D
L6 =V16221112A10.D L8 =V16221112A11.D L10 =V16221112A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...	0.332	0.312	0.375	0.413	0.416	0.409	0.401	0.404	0.383	10.41
38)	TP	Tetrahydrofuran		0.096	0.086	0.091	0.083	0.081	0.081	0.080	0.085	7.02
39)	S	Dibromofluorom...	0.272	0.264	0.269	0.268	0.268	0.270	0.273	0.273	0.270	1.11
40)	TP	1,1,1-Trichlor...		0.335	0.389	0.437	0.438	0.433	0.426	0.428	0.412	9.25
42)	TP	2-Butanone			0.129	0.109	0.105	0.104	0.104	0.104	0.109	9.01
43)	TP	1,1-Dichloropr...		0.287	0.357	0.400	0.404	0.398	0.389	0.391	0.375	11.14
45)	TP	Benzene	1.040	0.872	1.014	1.130	1.113	1.107	1.081	1.079	1.055	7.88
46)	TP	tert-Amyl meth...		0.536	0.611	0.711	0.712	0.719	0.715	0.713	0.674	10.66
47)	S	1,2-Dichloroet...	0.325	0.324	0.329	0.323	0.324	0.327	0.333	0.336	0.328	1.42
48)	T	1,2-Dichloroet...		0.321	0.360	0.398	0.418	0.405	0.400	0.403	0.386	8.82
51)	TP	Methyl cyclohe...		0.378	0.466	0.548	0.561	0.546	0.542	0.544	0.512	13.04
52)	TP	Trichloroethene	0.278	0.236	0.267	0.303	0.304	0.307	0.306	0.310	0.289	9.19
54)	TP	Dibromomethane		0.121	0.139	0.159	0.159	0.155	0.154	0.149	0.148	9.31
55)	TC	1,2-Dichloropr...		0.245	0.295	0.368	0.359	0.354	0.350	0.351	0.332	13.52
57)	TP	2-Chloroethyl ...		0.125	0.137	0.176	0.159	0.160	0.159	0.155	0.153	10.85
58)	TP	Bromodichlorom...		0.292	0.325	0.342	0.343	0.337	0.331	0.333	0.329	5.36
61)	TP	1,4-Dioxane		0.001	0.001	0.002	0.001	0.002	0.002	0.002	0.002#	7.30
62)	TP	cis-1,3-Dichlo...	0.506	0.432	0.452	0.499	0.492	0.489	0.480	0.475	0.478	5.23
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.286	1.299	1.293	1.301	1.289	1.303	1.281	1.282	1.292	0.66
65)	TC	Toluene		0.735	0.819	0.907	0.903	0.905	0.879	0.890	0.863	7.41
66)	TP	4-Methyl-2-pen...			0.091	0.112	0.112	0.113	0.114	0.113	0.109	8.23
67)	TP	Tetrachloroethene		0.291	0.358	0.396	0.400	0.402	0.391	0.393	0.376	10.72
69)	TP	trans-1,3-Dich...	0.498	0.429	0.471	0.538	0.545	0.536	0.529	0.527	0.509	7.97
71)	TP	Ethyl methacry...		0.318	0.332	0.376	0.376	0.376	0.375	0.373	0.361	6.92
72)	TP	1,1,2-Trichlor...		0.191	0.214	0.242	0.240	0.238	0.235	0.235	0.228	8.22
73)	TP	Chlorodibromom...		0.260	0.294	0.350	0.353	0.353	0.350	0.352	0.330	11.44
74)	TP	1,3-Dichloropr...		0.424	0.455	0.519	0.509	0.500	0.494	0.494	0.485	6.94
75)	TP	1,2-Dibromoethane		0.236	0.250	0.285	0.283	0.280	0.278	0.278	0.270	7.07
77)	TP	2-Hexanone		0.235	0.202	0.212	0.209	0.204	0.205	0.200	0.210	5.76
78)	TP	Chlorobenzene		0.820	0.885	0.978	0.981	0.977	0.957	0.955	0.936	6.51

Response Factor Report VOA 116

Method Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Method File : V116_221112_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 14 08:29:26 2022
Response Via : Initial Calibration

Calibration Files
L11 =V16221112A03.D L1 =V16221112A05.D L2 =V16221112A07.D L3 =V16221112A08.D L4 =V16221112A09.D
L6 =V16221112A10.D L8 =V16221112A11.D L10 =V16221112A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TC	Ethylbenzene		1.460	1.617	1.757	1.757	1.740	1.690	1.680	1.672	6.34
80)	TP	1,1,1,2-Tetrac...		0.264	0.311	0.355	0.360	0.358	0.353	0.354	0.336	10.75
81)	TP	p/m Xylene		0.530	0.607	0.661	0.662	0.664	0.650	0.649	0.632	7.80
82)	TP	o Xylene		0.505	0.553	0.614	0.612	0.609	0.593	0.593	0.583	6.91
83)	TP	Styrene		0.817	0.907	1.021	1.017	1.015	0.988	0.972	0.962	7.86
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.303	0.348	0.416	0.427	0.431	0.437	0.437	0.400	13.20
87)	TP	Isopropylbenzene		2.574	2.988	3.626	3.627	3.520	3.479	3.409	3.317	11.85
88)	S	4-Bromofluorob...	0.955	0.953	0.949	0.960	0.942	0.930	0.940	0.927	0.945	1.25
89)	TP	Bromobenzene		0.596	0.676	0.757	0.770	0.754	0.757	0.752	0.723	8.86
90)	TP	n-Propylbenzene		3.141	3.697	4.010	4.025	3.879	3.824	3.708	3.755	7.99
91)	TP	1,4-Dichlorobu...		1.049	0.979	1.093	1.074	1.038	1.047	1.029	1.044	3.46
92)	TP	1,1,2,2-Tetrac...		0.541	0.548	0.631	0.625	0.605	0.603	0.590	0.592	5.93
93)	TP	4-Ethyltoluene		2.538	2.885	3.200	3.219	3.128	3.099	3.030	3.014	7.91
94)	TP	2-Chlorotoluene		2.104	2.452	2.649	2.609	2.571	2.529	2.501	2.488	7.31
95)	TP	1,3,5-Trimethy...		2.216	2.498	2.781	2.775	2.669	2.661	2.618	2.602	7.52
96)	TP	1,2,3-Trichlor...		0.456	0.469	0.527	0.514	0.497	0.495	0.500	0.494	4.96
97)	TP	trans-1,4-Dich...		0.178	0.190	0.216	0.233	0.215	0.217	0.217	0.209	8.95
98)	TP	4-Chlorotoluene		1.811	2.127	2.385	2.351	2.309	2.273	2.246	2.215	8.88
99)	TP	tert-Butylbenzene		1.833	2.158	2.347	2.388	2.298	2.282	2.262	2.224	8.40
102)	TP	1,2,4-Trimethy...		2.145	2.442	2.700	2.710	2.624	2.612	2.569	2.543	7.75
103)	TP	sec-Butylbenzene		2.078	2.314	2.445	2.413	2.378	2.537	2.573	2.391	6.87
104)	TP	p-Isopropyltol...		2.195	2.719	3.017	3.063	2.938	2.922	2.871	2.818	10.51
105)	TP	1,3-Dichlorobe...		1.209	1.328	1.483	1.482	1.447	1.433	1.432	1.402	7.10
106)	TP	1,4-Dichlorobe...		1.227	1.344	1.472	1.470	1.436	1.431	1.434	1.402	6.28
107)	TP	p-Diethylbenzene		1.301	1.549	1.778	1.830	1.767	1.770	1.766	1.680	11.29
108)	TP	n-Butylbenzene		2.096	2.444	2.713	2.765	2.647	2.631	2.579	2.554	8.86
109)	TP	1,2-Dichlorobe...		1.099	1.230	1.353	1.341	1.311	1.313	1.305	1.279	6.92
110)	TP	1,2,4,5-Tetram...		1.968	2.266	2.562	2.645	2.597	2.620	2.565	2.460	10.23
111)	TP	1,2-Dibromo-3-...		0.082	0.084	0.096	0.101	0.100	0.104	0.104	0.096	9.49
112)	TP	1,3,5-Trichlor...		0.791	0.927	1.043	1.059	1.055	1.069	1.061	1.001	10.47

Method Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Method File : V116_221112_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 14 08:29:26 2022
Response Via : Initial Calibration

Calibration Files
L11 =V16221112A03.D L1 =V16221112A05.D L2 =V16221112A07.D L3 =V16221112A08.D L4 =V16221112A09.D
L6 =V16221112A10.D L8 =V16221112A11.D L10 =V16221112A12.D

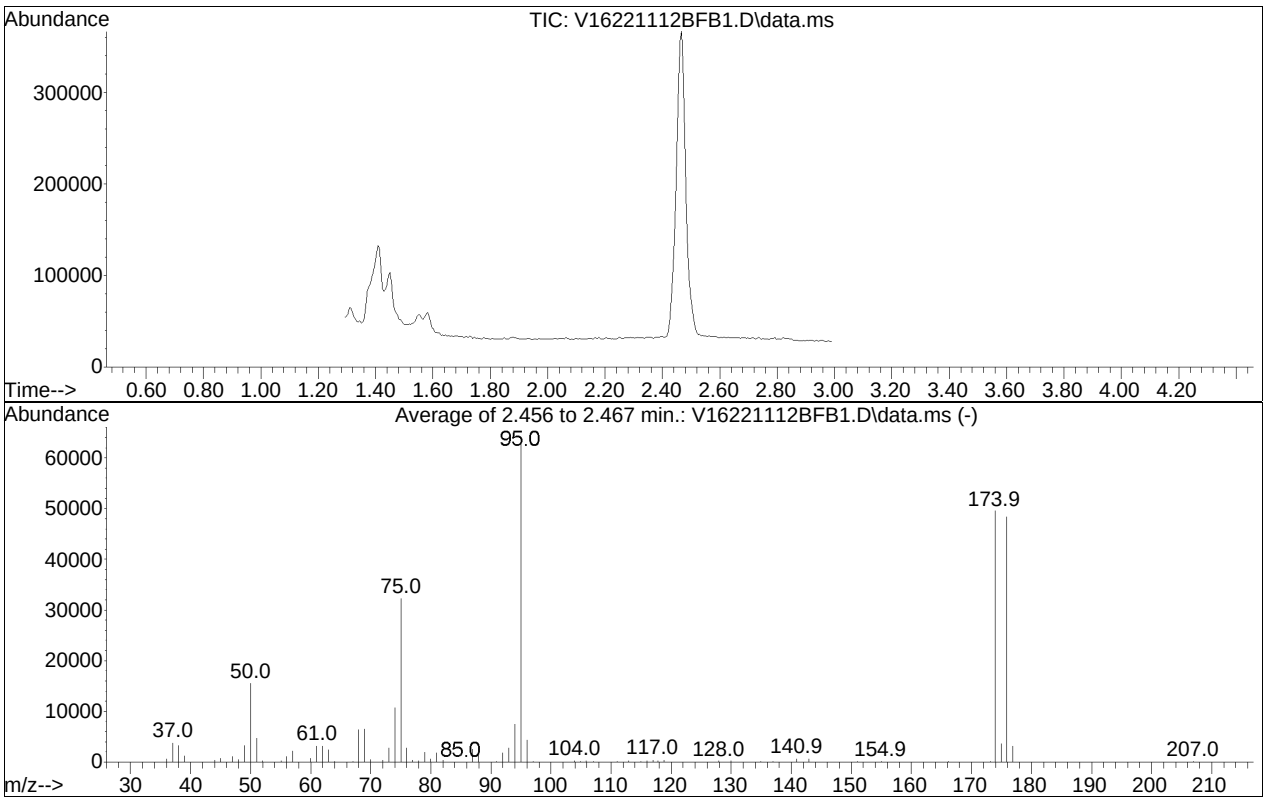
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113) TP	Hexachlorobuta...	0.308	0.360	0.393	0.411	0.410	0.421	0.429	0.390	10.96	
114) TP	1,2,4-Trichlor...	0.689	0.796	0.930	0.941	0.936	0.955	0.962	0.887	11.72	
115) TP	Naphthalene	1.437	1.652	1.927	1.932	1.901	1.925	1.887	1.809	10.59	
116) TP	1,2,3-Trichlor...	0.659	0.680	0.803	0.829	0.817	0.829	0.831	0.778	9.67	

(#) = Out of Range

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112BFB1.D
Acq On : 12 Nov 2022 12:55 pm
Operator : VOA116:MCM
Sample : WG1711989-1
Misc : WG1711989
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 14 08:29:26 2022



AutoFind: Scans 223, 224, 225; Background Corrected with Scan 213

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.6	15529	PASS
75	95	30	60	51.2	32264	PASS
95	95	100	100	100.0	63014	PASS
96	95	5	9	6.9	4319	PASS
173	174	0.00	2	0.4	174	PASS
174	95	50	100	78.8	49624	PASS
175	174	5	9	7.3	3638	PASS
176	174	95	101	97.6	48456	PASS
177	176	5	9	6.6	3216	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A03.D
Acq On : 12 Nov 2022 02:00 pm
Operator : VOA116:MCM
Sample : I8260STD0.19PPB
Misc : WG1711989
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 10:50:42 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.703	96	169310	10.000	ug/L	0.00
Standard Area 1 = 171782			Recovery = 98.56%			
63) Chlorobenzene-d5	9.222	117	127006	10.000	ug/L	0.00
Standard Area 1 = 131267			Recovery = 96.75%			
84) 1,4-Dichlorobenzene-d4	11.997	152	68783	10.000	ug/L	0.00
Standard Area 1 = 70121			Recovery = 98.09%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.898	113	46104	10.096	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.96%			
47) 1,2-Dichloroethane-d4	5.416	65	55089	9.932	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.32%			
64) Toluene-d8	7.391	98	163250	9.951	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%			
88) 4-Bromofluorobenzene	10.754	95	65691	10.111	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.11%			
Target Compounds						Qvalue
4) Vinyl chloride	1.727	62	951	0.170	ug/L	84
37) Carbon tetrachloride	4.867	117	1069	0.165	ug/L #	87
45) Benzene	5.290	78	3346	0.187	ug/L #	83
52) Trichloroethene	5.883	95	893	0.183	ug/L #	89
62) cis-1,3-Dichloropropene	7.176	75	1628	0.201	ug/L #	53
69) trans-1,3-Dichloropropene	7.925	75	1201	0.186	ug/L #	63

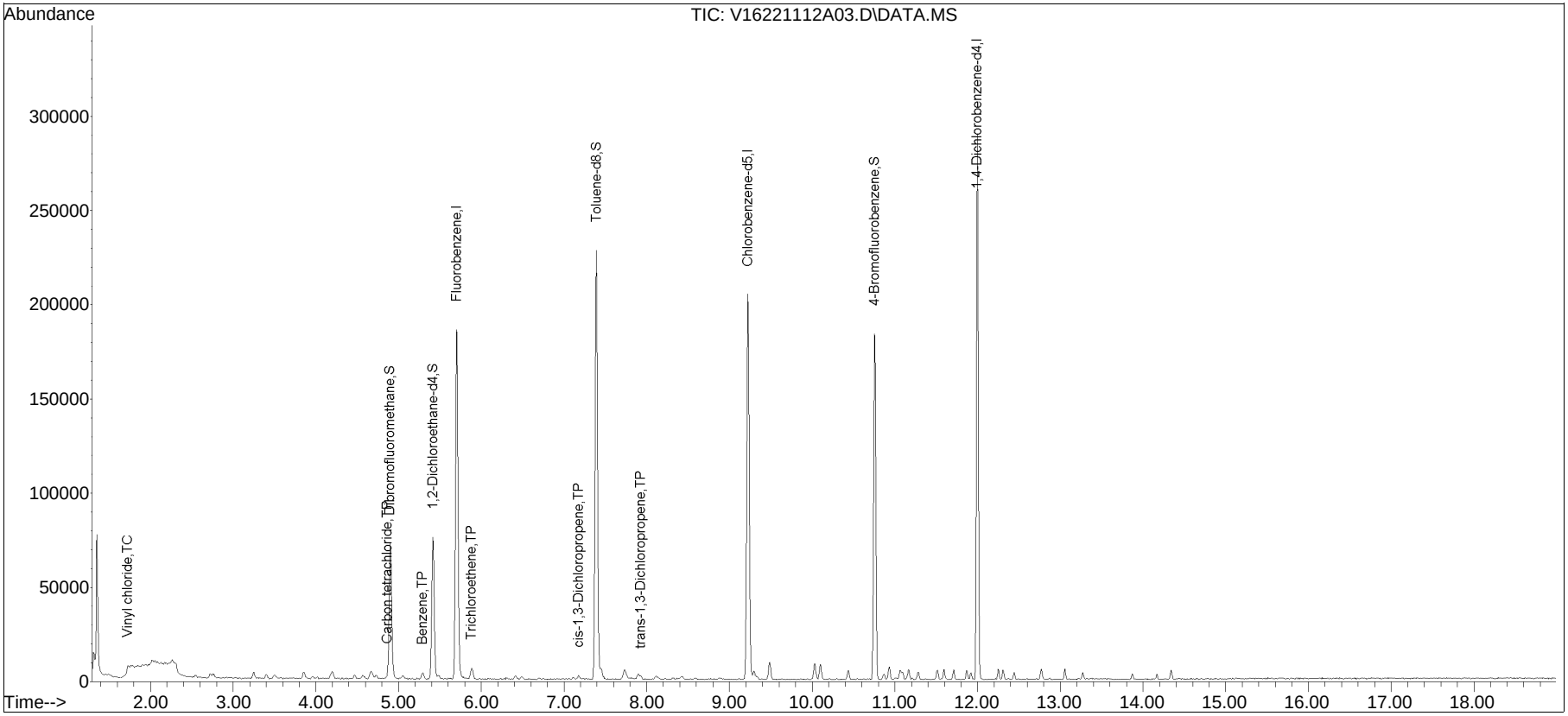
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A03.D
Acq On : 12 Nov 2022 02:00 pm
Operator : VOA116:MCM
Sample : I8260STD0.19PPB
Misc : WG1711989
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 10:50:42 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Sub List : 8260-L11_MCP - L11 MCP6\2022\221112ICAL\V16221112A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2Q	Method	: V116_221112_8260.m
Data File	: V16221112A03.D	Operator	: VOA116:MCM
Date Inj'd	: 11/12/2022 2:00 pm	Instrument	: VOA 116
Sample	: I8260STD0.19PPB	Quant Date	: 11/14/2022 10:50 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A05.D
Acq On : 12 Nov 2022 02:48 pm
Operator : VOA116:MCM
Sample : I8260STD0.5PPB
Misc : WG1711989
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 10:50:48 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.702	96	169846	10.000 ug/L	0.00
Standard Area 1 = 171782			Recovery = 98.87%		
63) Chlorobenzene-d5	9.222	117	126402	10.000 ug/L	0.00
Standard Area 1 = 131267			Recovery = 96.29%		
84) 1,4-Dichlorobenzene-d4	11.997	152	69326	10.000 ug/L	0.00
Standard Area 1 = 70121			Recovery = 98.87%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.898	113	44880	9.797 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.97%		
47) 1,2-Dichloroethane-d4	5.416	65	54964	9.878 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.78%		
64) Toluene-d8	7.391	98	164047	10.047 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.47%		
88) 4-Bromofluorobenzene	10.754	95	66048	10.087 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.87%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.492	85	1611	0.398 ug/L	89
3) Chloromethane	1.680	50	2806	0.466 ug/L #	86
4) Vinyl chloride	1.727	62	2185	0.390 ug/L	97
5) Bromomethane	2.018	94	1603	0.451 ug/L #	72
6) Chloroethane	2.127	64	1520	0.435 ug/L	95
7) Trichlorofluoromethane	2.261	101	2399	0.374 ug/L	96
8) Ethyl ether	2.543	74	779	0.420 ug/L #	38
10) 1,1-Dichloroethene	2.724	96	1445	0.372 ug/L #	76
11) Carbon disulfide	2.755	76	3069	0.405 ug/L #	87
12) Freon-113	2.763	101	1612	0.369 ug/L	84
13) Iodomethane	0.000		0	N.D.	
14) Acrolein	3.030	56	279	0.401 ug/L #	1
15) Methylene chloride	3.250	84	2311	0.514 ug/L #	68
17) Acetone	3.281	43	1788	0.454 ug/L #	49
18) trans-1,2-Dichloroethene	3.399	96	1656	0.382 ug/L	76
19) Methyl acetate	3.407	43	2210	0.799 ug/L #	51
21) Methyl tert-butyl ether	3.501	73	4090	0.426 ug/L #	65
22) tert-Butyl alcohol	3.579	59	700	2.133 ug/L #	78
24) Diisopropyl ether	3.854	45	7965	0.433 ug/L #	86
25) 1,1-Dichloroethane	3.964	63	3988	0.425 ug/L	95
26) Halothane	4.011	117	1317	0.391 ug/L	95

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A05.D
Acq On : 12 Nov 2022 02:48 pm
Operator : VOA116:MCM
Sample : I8260STD0.5PPB
Misc : WG1711989
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 10:50:48 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.003	53	576	0.437	ug/L	#	62
28) Ethyl tert-butyl ether	4.192	59	6742	0.428	ug/L	#	77
29) Vinyl acetate	4.199	43	5859	0.583	ug/L	#	78
30) cis-1,2-Dichloroethene	4.466	96	2034	0.421	ug/L	#	84
31) 2,2-Dichloropropane	4.568	77	3051	0.450	ug/L	#	65
33) Bromochloromethane	4.655	128	869	0.434	ug/L	#	63
34) Cyclohexane	4.678	56	4267	0.403	ug/L	#	63
35) Chloroform	4.725	83	3481	0.412	ug/L	#	94
36) Ethyl acetate	4.843	43	2869	0.643	ug/L	#	66
37) Carbon tetrachloride	4.874	117	2651	0.408	ug/L	#	98
38) Tetrahydrofuran	4.874	42	814	0.561	ug/L	#	47
40) 1,1,1-Trichloroethane	4.929	97	2841	0.406	ug/L	#	90
42) 2-Butanone	5.016	43	1422	0.767	ug/L	#	18
43) 1,1-Dichloropropene	5.047	75	2439	0.383	ug/L		95
45) Benzene	5.290	78	7406	0.413	ug/L	#	89
46) tert-Amyl methyl ether	5.408	73	4556	0.398	ug/L	#	75
48) 1,2-Dichloroethane	5.487	62	2725	0.415	ug/L	#	94
51) Methyl cyclohexane	5.883	83	3213	0.369	ug/L	#	53
52) Trichloroethene	5.883	95	2004	0.409	ug/L	#	94
54) Dibromomethane	6.314	93	1027	0.409	ug/L		91
55) 1,2-Dichloropropane	6.411	63	2081	0.369	ug/L	#	78
57) 2-Chloroethyl vinyl ether	7.120	63	1063	0.409	ug/L	#	22
58) Bromodichloromethane	6.488	83	2476	0.443	ug/L	#	96
61) 1,4-Dioxane	6.696	88	2386	90.317	ug/L	#	52
62) cis-1,3-Dichloropropene	7.176	75	3668	0.452	ug/L	#	80
65) Toluene	7.447	92	4645	0.426	ug/L		99
66) 4-Methyl-2-pentanone	7.883	58	452	0.328	ug/L	#	1
67) Tetrachloroethene	7.897	166	1837	0.387	ug/L		87
69) trans-1,3-Dichloropropene	7.925	75	2710	0.421	ug/L	#	76
71) Ethyl methacrylate	8.126	69	2010	0.441	ug/L		81
72) 1,1,2-Trichloroethane	8.105	83	1208	0.419	ug/L		94
73) Chlorodibromomethane	8.320	129	1640	0.393	ug/L		92
74) 1,3-Dichloropropane	8.424	76	2676	0.436	ug/L		98
75) 1,2-Dibromoethane	8.584	107	1491	0.437	ug/L		94
77) 2-Hexanone	8.882	43	1486	0.561	ug/L	#	60
78) Chlorobenzene	9.243	112	5180	0.438	ug/L	#	79
79) Ethylbenzene	9.291	91	9222	0.436	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.333	131	1668	0.392	ug/L		84
81) p/m Xylene	9.486	106	6689	0.838	ug/L		95
82) o Xylene	10.036	106	6374	0.865	ug/L		96

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A05.D
Acq On : 12 Nov 2022 02:48 pm
Operator : VOA116:MCM
Sample : I8260STD0.5PPB
Misc : WG1711989
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 10:50:48 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.098	104	10318	0.848	ug/L		95
85) Bromoform	10.105	173	1052	0.379	ug/L		91
87) Isopropylbenzene	10.439	105	8921	0.388	ug/L		99
89) Bromobenzene	10.865	156	2066	0.412	ug/L		98
90) n-Propylbenzene	10.932	91	10889	0.418	ug/L		100
91) 1,4-Dichlorobutane	10.932	55	3636	0.502	ug/L	#	78
92) 1,1,2,2-Tetrachloroethane	11.006	83	1875	0.457	ug/L	#	92
93) 4-Ethyltoluene	11.066	105	8796	0.421	ug/L		97
94) 2-Chlorotoluene	11.096	91	7292	0.423	ug/L		98
95) 1,3,5-Trimethylbenzene	11.170	105	7683	0.426	ug/L		100
96) 1,2,3-Trichloropropane	11.148	75	1580	0.461	ug/L	#	76
97) trans-1,4-Dichloro-2-b...	11.200	53	616	0.424	ug/L	#	70
98) 4-Chlorotoluene	11.281	91	6276	0.409	ug/L		95
99) tert-Butylbenzene	11.512	119	6353	0.412	ug/L		98
102) 1,2,4-Trimethylbenzene	11.593	105	7434	0.422	ug/L		97
103) sec-Butylbenzene	11.712	105	7204	0.435	ug/L		98
104) p-Isopropyltoluene	11.872	119	7607	0.389	ug/L		96
105) 1,3-Dichlorobenzene	11.921	146	4191	0.431	ug/L		94
106) 1,4-Dichlorobenzene	12.011	146	4252M3	0.438	ug/L		
107) p-Diethylbenzene	12.255	119	4510	0.387	ug/L		99
108) n-Butylbenzene	12.310	91	7266	0.410	ug/L		96
109) 1,2-Dichlorobenzene	12.443	146	3809	0.430	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.055	119	6820	0.400	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.222	155	285	0.428	ug/L		87
112) 1,3,5-Trichlorobenzene	13.271	180	2742	0.395	ug/L		95
113) Hexachlorobutadiene	13.863	225	1067	0.394	ug/L		91
114) 1,2,4-Trichlorobenzene	13.870	180	2388	0.388	ug/L		97
115) Naphthalene	14.169	128	4980	0.397	ug/L		100
116) 1,2,3-Trichlorobenzene	14.336	180	2283	0.423	ug/L		95

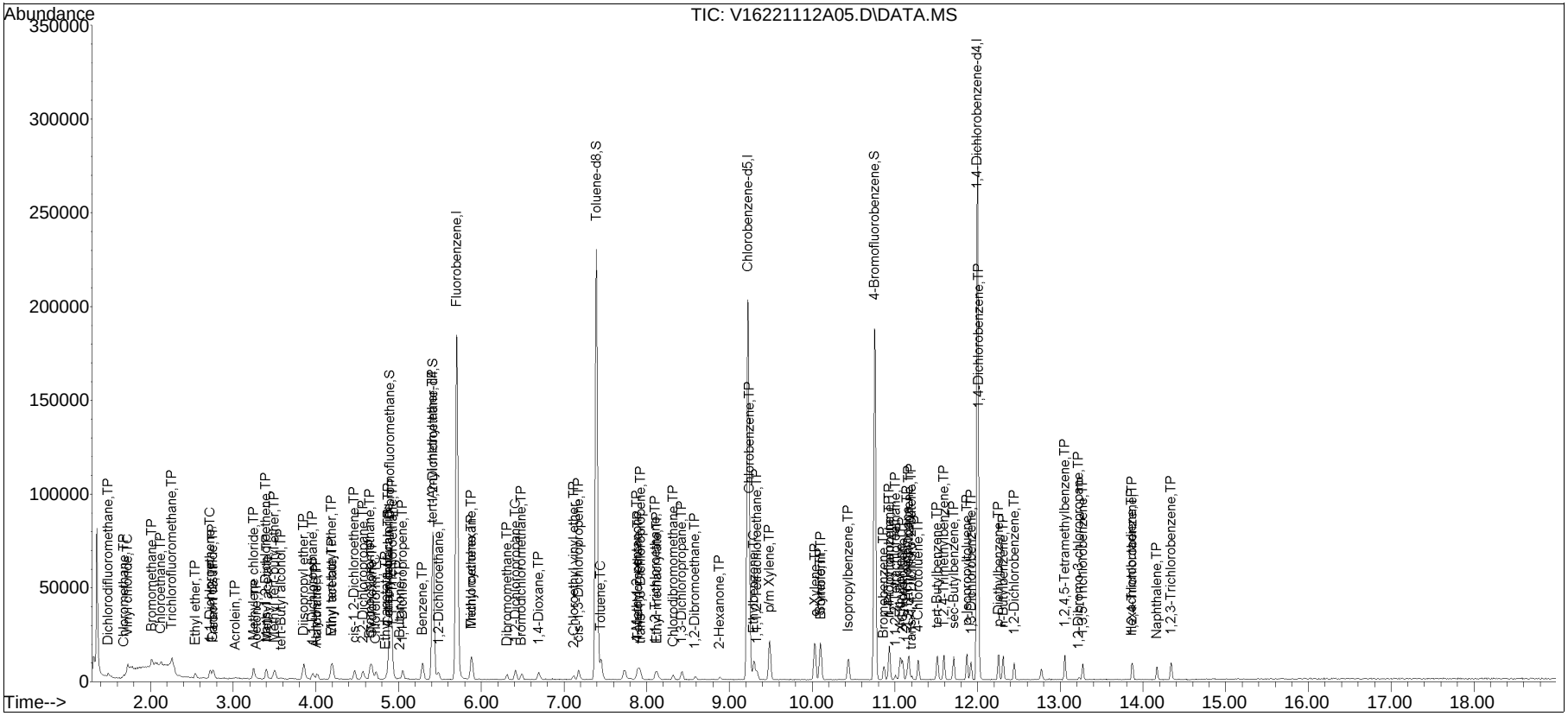
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A05.D
Acq On : 12 Nov 2022 02:48 pm
Operator : VOA116:MCM
Sample : I8260STD0.5PPB
Misc : WG1711989
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 10:50:48 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

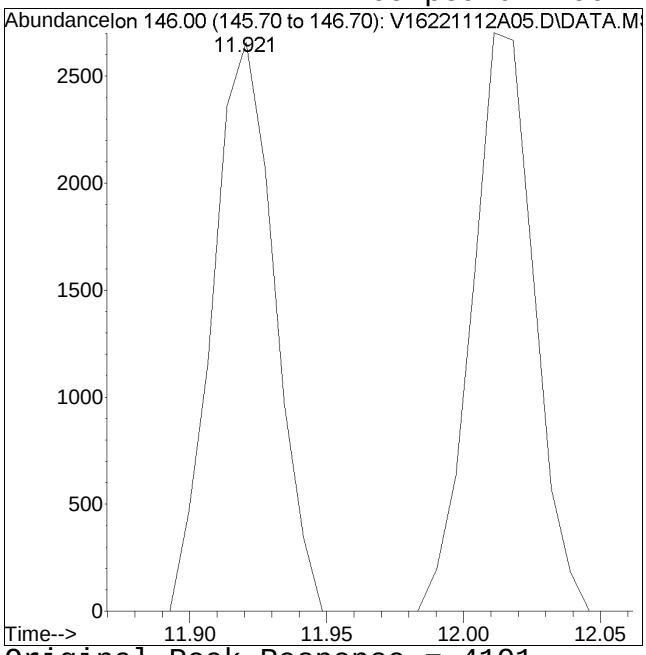
Sub List : 8260-Curve - Megamix plus Diox21112ICAL\V16221112A08.D•

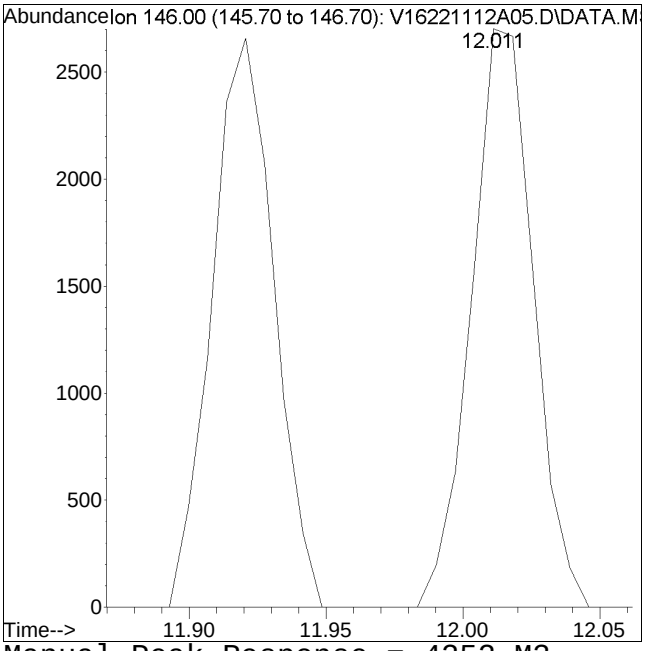


Manual Integration Report

Data Path : I:\VOLATILES\VOA116\2022\2QMethod : V116_221112_8260.m
Data File : V16221112A05.D Operator : VOA116:MCM
Date Inj'd : 11/12/2022 2:48 pm Instrument : VOA 116
Sample : I8260STD0.5PPB Quant Date : 11/14/2022 10:50 am

Compound #106: 1,4-Dichlorobenzene





Original Peak Response = 4191 Manual Peak Response = 4252 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A07.D
Acq On : 12 Nov 2022 03:37 pm
Operator : VOA116:MCM
Sample : I8260STD2PPB
Misc : WG1711989
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 10:50:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.702	96	168977	10.000 ug/L	0.00
Standard Area 1 = 171782			Recovery = 98.37%		
63) Chlorobenzene-d5	9.222	117	127411	10.000 ug/L	0.00
Standard Area 1 = 131267			Recovery = 97.06%		
84) 1,4-Dichlorobenzene-d4	11.997	152	68167	10.000 ug/L	0.00
Standard Area 1 = 70121			Recovery = 97.21%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.898	113	45508	9.985 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.85%		
47) 1,2-Dichloroethane-d4	5.416	65	55564	10.037 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.37%		
64) Toluene-d8	7.391	98	164700	10.007 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.07%		
88) 4-Bromofluorobenzene	10.754	95	64710	10.050 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.50%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.492	85	7536	1.870 ug/L	97
3) Chloromethane	1.680	50	11790	1.967 ug/L	95
4) Vinyl chloride	1.727	62	10850	1.944 ug/L	97
5) Bromomethane	2.017	94	7466	2.112 ug/L	98
6) Chloroethane	2.127	64	6870	1.975 ug/L	97
7) Trichlorofluoromethane	2.261	101	12208	1.915 ug/L	97
8) Ethyl ether	2.543	74	3414	1.852 ug/L #	60
10) 1,1-Dichloroethene	2.724	96	7427	1.921 ug/L	87
11) Carbon disulfide	2.755	76	14774	1.958 ug/L	96
12) Freon-113	2.763	101	8353	1.921 ug/L	92
13) Iodomethane	2.857	142	1637	2.546 ug/L #	73
14) Acrolein	3.014	56	1507	2.175 ug/L	99
15) Methylene chloride	3.250	84	8704	1.945 ug/L #	66
17) Acetone	3.281	43	3544	2.033 ug/L #	75
18) trans-1,2-Dichloroethene	3.399	96	8315	1.926 ug/L	83
19) Methyl acetate	3.407	43	5356	1.946 ug/L #	79
21) Methyl tert-butyl ether	3.501	73	17551	1.837 ug/L #	81
22) tert-Butyl alcohol	3.571	59	2933	8.984 ug/L #	71
24) Diisopropyl ether	3.854	45	34255	1.873 ug/L #	89
25) 1,1-Dichloroethane	3.964	63	18435	1.976 ug/L	94
26) Halothane	4.019	117	6277	1.874 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A07.D
Acq On : 12 Nov 2022 03:37 pm
Operator : VOA116:MCM
Sample : I8260STD2PPB
Misc : WG1711989
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 10:50:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.995	53	2394	1.827	ug/L		92
28) Ethyl tert-butyl ether	4.191	59	28823	1.840	ug/L		89
29) Vinyl acetate	4.191	43	19523	1.951	ug/L	#	86
30) cis-1,2-Dichloroethene	4.466	96	9415	1.960	ug/L		85
31) 2,2-Dichloropropane	4.568	77	13258	1.966	ug/L	#	75
33) Bromochloromethane	4.654	128	4057	2.037	ug/L	#	60
34) Cyclohexane	4.670	56	19876	1.888	ug/L		66
35) Chloroform	4.733	83	16248	1.935	ug/L		96
36) Ethyl acetate	4.843	43	8416	1.894	ug/L	#	88
37) Carbon tetrachloride	4.874	117	12660	1.957	ug/L	#	98
38) Tetrahydrofuran	4.874	42	2904	2.013	ug/L	#	60
40) 1,1,1-Trichloroethane	4.929	97	13134	1.886	ug/L	#	91
42) 2-Butanone	5.008	43	4358	2.361	ug/L	#	36
43) 1,1-Dichloropropene	5.055	75	12078	1.904	ug/L		98
45) Benzene	5.290	78	34277	1.924	ug/L		93
46) tert-Amyl methyl ether	5.416	73	20661	1.813	ug/L	#	86
48) 1,2-Dichloroethane	5.486	62	12150	1.861	ug/L		94
51) Methyl cyclohexane	5.883	83	15751	1.820	ug/L	#	67
52) Trichloroethene	5.883	95	9014	1.847	ug/L		96
54) Dibromomethane	6.314	93	4700	1.879	ug/L		94
55) 1,2-Dichloropropane	6.418	63	9982	1.781	ug/L	#	82
57) 2-Chloroethyl vinyl ether	7.113	63	4641	1.796	ug/L	#	66
58) Bromodichloromethane	6.488	83	10976	1.975	ug/L		97
61) 1,4-Dioxane	6.696	88	10071	383.176	ug/L	#	75
62) cis-1,3-Dichloropropene	7.176	75	15263	1.889	ug/L	#	85
65) Toluene	7.446	92	20869	1.898	ug/L		96
66) 4-Methyl-2-pentanone	7.876	58	2311	1.664	ug/L	#	70
67) Tetrachloroethene	7.897	166	9120	1.904	ug/L		95
69) trans-1,3-Dichloropropene	7.925	75	11994	1.849	ug/L	#	82
71) Ethyl methacrylate	8.126	69	8445	1.836	ug/L		88
72) 1,1,2-Trichloroethane	8.105	83	5438	1.873	ug/L		95
73) Chlorodibromomethane	8.320	129	7497	1.782	ug/L		96
74) 1,3-Dichloropropane	8.424	76	11590	1.875	ug/L		99
75) 1,2-Dibromoethane	8.583	107	6363	1.850	ug/L		99
77) 2-Hexanone	8.882	43	5137	1.923	ug/L	#	84
78) Chlorobenzene	9.249	112	22532	1.889	ug/L		95
79) Ethylbenzene	9.298	91	41174	1.933	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.340	131	7914	1.846	ug/L		94
81) p/m Xylene	9.486	106	30899	3.838	ug/L		100
82) o Xylene	10.028	106	28186	3.796	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A07.D
Acq On : 12 Nov 2022 03:37 pm
Operator : VOA116:MCM
Sample : I8260STD2PPB
Misc : WG1711989
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 10:50:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83)	Styrene	10.098	104	46174	3.765	ug/L		94
85)	Bromoform	10.112	173	4742	1.739	ug/L		97
87)	Isopropylbenzene	10.439	105	40735	1.801	ug/L		100
89)	Bromobenzene	10.865	156	9213	1.869	ug/L		97
90)	n-Propylbenzene	10.932	91	50404	1.969	ug/L		99
91)	1,4-Dichlorobutane	10.932	55	13351	1.876	ug/L	#	85
92)	1,1,2,2-Tetrachloroethane	11.006	83	7474	1.853	ug/L		98
93)	4-Ethyltoluene	11.066	105	39339	1.915	ug/L		97
94)	2-Chlorotoluene	11.095	91	33427	1.971	ug/L		99
95)	1,3,5-Trimethylbenzene	11.170	105	34051	1.919	ug/L		96
96)	1,2,3-Trichloropropane	11.147	75	6392	1.899	ug/L		85
97)	trans-1,4-Dichloro-2-b...	11.207	53	2593	1.817	ug/L	#	84
98)	4-Chlorotoluene	11.281	91	28997	1.921	ug/L		98
99)	tert-Butylbenzene	11.511	119	29420	1.941	ug/L		95
102)	1,2,4-Trimethylbenzene	11.593	105	33293	1.921	ug/L		98
103)	sec-Butylbenzene	11.712	105	31548	1.935	ug/L		98
104)	p-Isopropyltoluene	11.872	119	37065	1.930	ug/L		97
105)	1,3-Dichlorobenzene	11.920	146	18107	1.895	ug/L		99
106)	1,4-Dichlorobenzene	12.011	146	18325	1.918	ug/L		97
107)	p-Diethylbenzene	12.255	119	21115	1.844	ug/L		97
108)	n-Butylbenzene	12.310	91	33321	1.914	ug/L		98
109)	1,2-Dichlorobenzene	12.442	146	16768	1.924	ug/L		98
110)	1,2,4,5-Tetramethylben...	13.055	119	30896	1.842	ug/L		98
111)	1,2-Dibromo-3-chloropr...	13.229	155	1146	1.752	ug/L		94
112)	1,3,5-Trichlorobenzene	13.271	180	12634	1.852	ug/L		98
113)	Hexachlorobutadiene	13.863	225	4907	1.845	ug/L		96
114)	1,2,4-Trichlorobenzene	13.876	180	10855	1.795	ug/L		98
115)	Naphthalene	14.169	128	22526	1.827	ug/L		100
116)	1,2,3-Trichlorobenzene	14.336	180	9274	1.748	ug/L		96

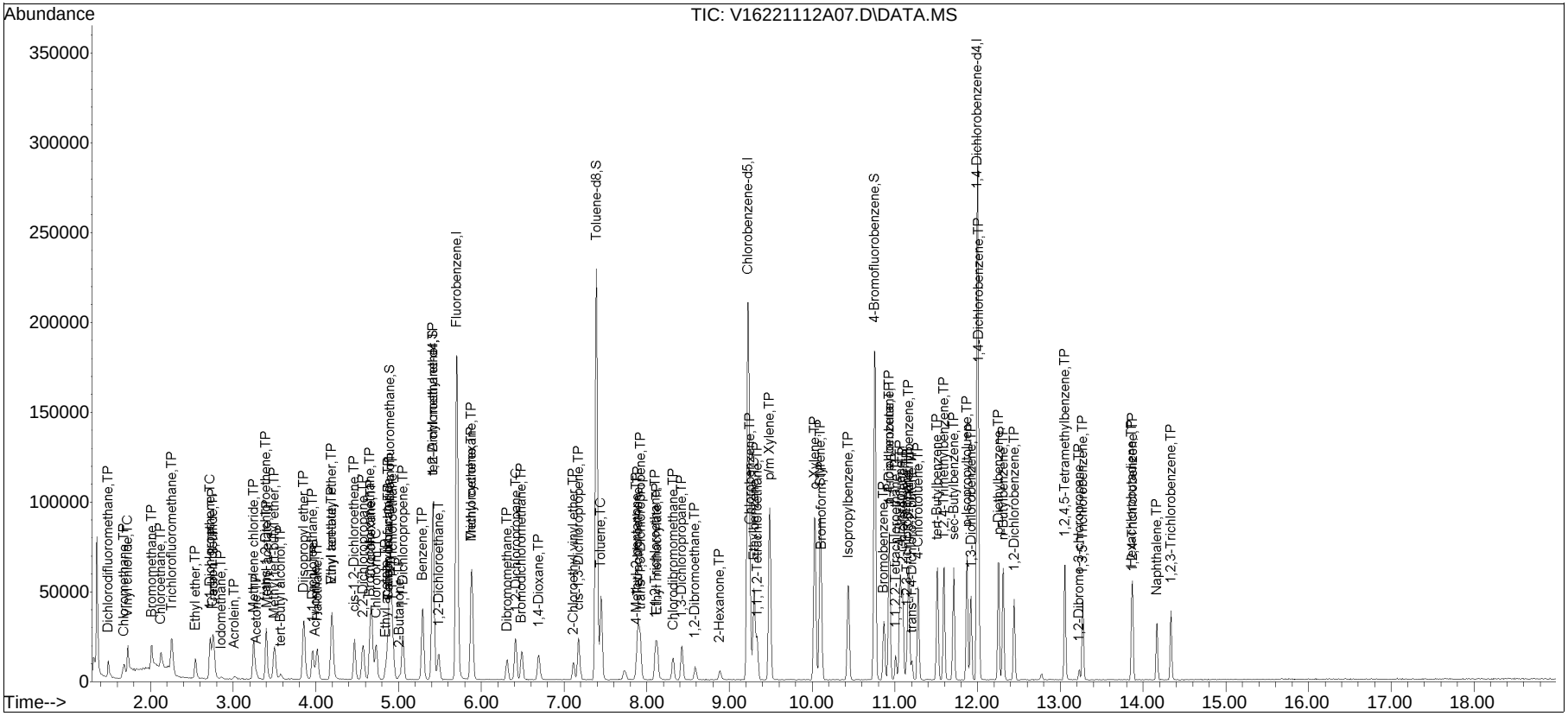
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A07.D
Acq On : 12 Nov 2022 03:37 pm
Operator : VOA116:MCM
Sample : I8260STD2PPB
Misc : WG1711989
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 14 10:50:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21112ICAL\V16221112A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2Q	Method	: V116_221112_8260.m
Data File	: V16221112A07.D	Operator	: VOA116:MCM
Date Inj'd	: 11/12/2022 3:37 pm	Instrument	: VOA 116
Sample	: I8260STD2PPB	Quant Date	: 11/14/2022 10:50 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A08.D
Acq On : 12 Nov 2022 04:01 pm
Operator : VOA116:MCM
Sample : I8260STD10PPB
Misc : WG1711989
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 14 10:51:00 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.703	96	171782	10.000	ug/L	0.00
Standard Area 1 = 171782			Recovery = 100.00%			
63) Chlorobenzene-d5	9.222	117	131267	10.000	ug/L	0.00
Standard Area 1 = 131267			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	11.997	152	70121	10.000	ug/L	0.00
Standard Area 1 = 70121			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.898	113	46012	9.931	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.31%			
47) 1,2-Dichloroethane-d4	5.416	65	55534	9.868	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.68%			
64) Toluene-d8	7.391	98	170747	10.070	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%			
88) 4-Bromofluorobenzene	10.754	95	67328	10.166	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	44650	10.901	ug/L	98
3) Chloromethane	1.680	50	63453	10.411	ug/L	96
4) Vinyl chloride	1.727	62	62273	10.976	ug/L	95
5) Bromomethane	2.018	94	38032	10.582	ug/L	96
6) Chloroethane	2.128	64	37533	10.613	ug/L	97
7) Trichlorofluoromethane	2.261	101	72058	11.120	ug/L	100
8) Ethyl ether	2.544	74	19782	10.554	ug/L #	63
10) 1,1-Dichloroethene	2.724	96	41870	10.652	ug/L	86
11) Carbon disulfide	2.755	76	80591	10.506	ug/L	100
12) Freon-113	2.763	101	47440	10.730	ug/L	95
13) Iodomethane	2.857	142	24580	7.767	ug/L	83
14) Acrolein	3.022	56	7475	10.611	ug/L	96
15) Methylene chloride	3.250	84	46685	10.263	ug/L #	68
17) Acetone	3.281	43	13010	10.309	ug/L	96
18) trans-1,2-Dichloroethene	3.399	96	46763	10.656	ug/L	83
19) Methyl acetate	3.399	43	30377	10.854	ug/L #	84
21) Methyl tert-butyl ether	3.501	73	102911	10.598	ug/L #	85
22) tert-Butyl alcohol	3.572	59	17374	52.347	ug/L	92
24) Diisopropyl ether	3.854	45	199263	10.718	ug/L #	87
25) 1,1-Dichloroethane	3.964	63	101683	10.720	ug/L	97
26) Halothane	4.019	117	36382	10.687	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A08.D
Acq On : 12 Nov 2022 04:01 pm
Operator : VOA116:MCM
Sample : I8260STD10PPB
Misc : WG1711989
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 14 10:51:00 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.988	53	14417	10.822	ug/L		92
28) Ethyl tert-butyl ether	4.192	59	169528	10.646	ug/L		93
29) Vinyl acetate	4.192	43	108371	10.654	ug/L	#	91
30) cis-1,2-Dichloroethene	4.466	96	51457	10.539	ug/L	#	84
31) 2,2-Dichloropropane	4.568	77	73162	10.671	ug/L	#	83
33) Bromochloromethane	4.655	128	22342	11.033	ug/L	#	62
34) Cyclohexane	4.670	56	115928	10.835	ug/L		67
35) Chloroform	4.725	83	90907	10.649	ug/L		94
36) Ethyl acetate	4.843	43	45681	10.115	ug/L	#	91
37) Carbon tetrachloride	4.867	117	70949	10.787	ug/L	#	100
38) Tetrahydrofuran	4.875	42	15629	10.655	ug/L	#	66
40) 1,1,1-Trichloroethane	4.929	97	75067	10.605	ug/L		91
42) 2-Butanone	5.008	43	18678	9.956	ug/L	#	43
43) 1,1-Dichloropropene	5.055	75	68711	10.657	ug/L		98
45) Benzene	5.290	78	194183	10.720	ug/L	#	93
46) tert-Amyl methyl ether	5.416	73	122215	10.552	ug/L	#	90
48) 1,2-Dichloroethane	5.487	62	68418	10.308	ug/L		96
51) Methyl cyclohexane	5.883	83	94194	10.705	ug/L	#	71
52) Trichloroethene	5.883	95	51987	10.478	ug/L	#	99
54) Dibromomethane	6.307	93	27349	10.757	ug/L		92
55) 1,2-Dichloropropane	6.412	63	63157	11.084	ug/L	#	78
57) 2-Chloroethyl vinyl ether	7.114	63	30159	11.479	ug/L	#	77
58) Bromodichloromethane	6.488	83	58776	10.405	ug/L		100
61) 1,4-Dioxane	6.697	88	13701	512.776	ug/L	#	72
62) cis-1,3-Dichloropropene	7.176	75	85775	10.443	ug/L		91
65) Toluene	7.447	92	119080	10.514	ug/L		97
66) 4-Methyl-2-pentanone	7.877	58	14641	10.235	ug/L	#	91
67) Tetrachloroethene	7.897	166	51982	10.535	ug/L		94
69) trans-1,3-Dichloropropene	7.925	75	70673	10.576	ug/L		87
71) Ethyl methacrylate	8.126	69	49392	10.423	ug/L		92
72) 1,1,2-Trichloroethane	8.105	83	31784	10.625	ug/L		94
73) Chlorodibromomethane	8.313	129	45939	10.596	ug/L		97
74) 1,3-Dichloropropane	8.424	76	68114	10.698	ug/L		98
75) 1,2-Dibromoethane	8.584	107	37455	10.569	ug/L		98
77) 2-Hexanone	8.882	43	27874	10.130	ug/L	#	92
78) Chlorobenzene	9.243	112	128372	10.448	ug/L		99
79) Ethylbenzene	9.299	91	230577	10.508	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.333	131	46599	10.551	ug/L		95
81) p/m Xylene	9.486	106	173632	20.935	ug/L		100
82) o Xylene	10.029	106	161322	21.087	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A08.D
Acq On : 12 Nov 2022 04:01 pm
Operator : VOA116:MCM
Sample : I8260STD10PPB
Misc : WG1711989
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 14 10:51:00 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83)	Styrene	10.098	104	268116	21.221	ug/L		92
85)	Bromoform	10.112	173	29200	10.412	ug/L		97
87)	Isopropylbenzene	10.439	105	254235	10.929	ug/L		95
89)	Bromobenzene	10.865	156	53047	10.464	ug/L		97
90)	n-Propylbenzene	10.932	91	281174	10.679	ug/L		99
91)	1,4-Dichlorobutane	10.932	55	76666	10.470	ug/L	#	86
92)	1,1,2,2-Tetrachloroethane	11.007	83	44241	10.663	ug/L		98
93)	4-Ethyltoluene	11.066	105	224419	10.618	ug/L		98
94)	2-Chlorotoluene	11.096	91	185777	10.649	ug/L		100
95)	1,3,5-Trimethylbenzene	11.170	105	195008	10.686	ug/L		97
96)	1,2,3-Trichloropropane	11.148	75	36929	10.664	ug/L		89
97)	trans-1,4-Dichloro-2-b...	11.207	53	15123	10.301	ug/L	#	84
98)	4-Chlorotoluene	11.281	91	167251	10.770	ug/L		97
99)	tert-Butylbenzene	11.512	119	164542	10.552	ug/L		95
102)	1,2,4-Trimethylbenzene	11.594	105	189303	10.616	ug/L		99
103)	sec-Butylbenzene	11.712	105	171478	10.227	ug/L		97
104)	p-Isopropyltoluene	11.872	119	211583	10.708	ug/L		97
105)	1,3-Dichlorobenzene	11.921	146	103967	10.575	ug/L		98
106)	1,4-Dichlorobenzene	12.011	146	103212	10.500	ug/L		98
107)	p-Diethylbenzene	12.248	119	124658	10.581	ug/L		100
108)	n-Butylbenzene	12.311	91	190248	10.625	ug/L		98
109)	1,2-Dichlorobenzene	12.443	146	94894	10.582	ug/L		99
110)	1,2,4,5-Tetramethylben...	13.055	119	179678	10.414	ug/L		96
111)	1,2-Dibromo-3-chloropr...	13.229	155	6763	10.051	ug/L		87
112)	1,3,5-Trichlorobenzene	13.271	180	73131	10.422	ug/L		98
113)	Hexachlorobutadiene	13.863	225	27575	10.078	ug/L		96
114)	1,2,4-Trichlorobenzene	13.877	180	65214	10.486	ug/L		99
115)	Naphthalene	14.169	128	135090	10.651	ug/L		100
116)	1,2,3-Trichlorobenzene	14.336	180	56273	10.311	ug/L		99

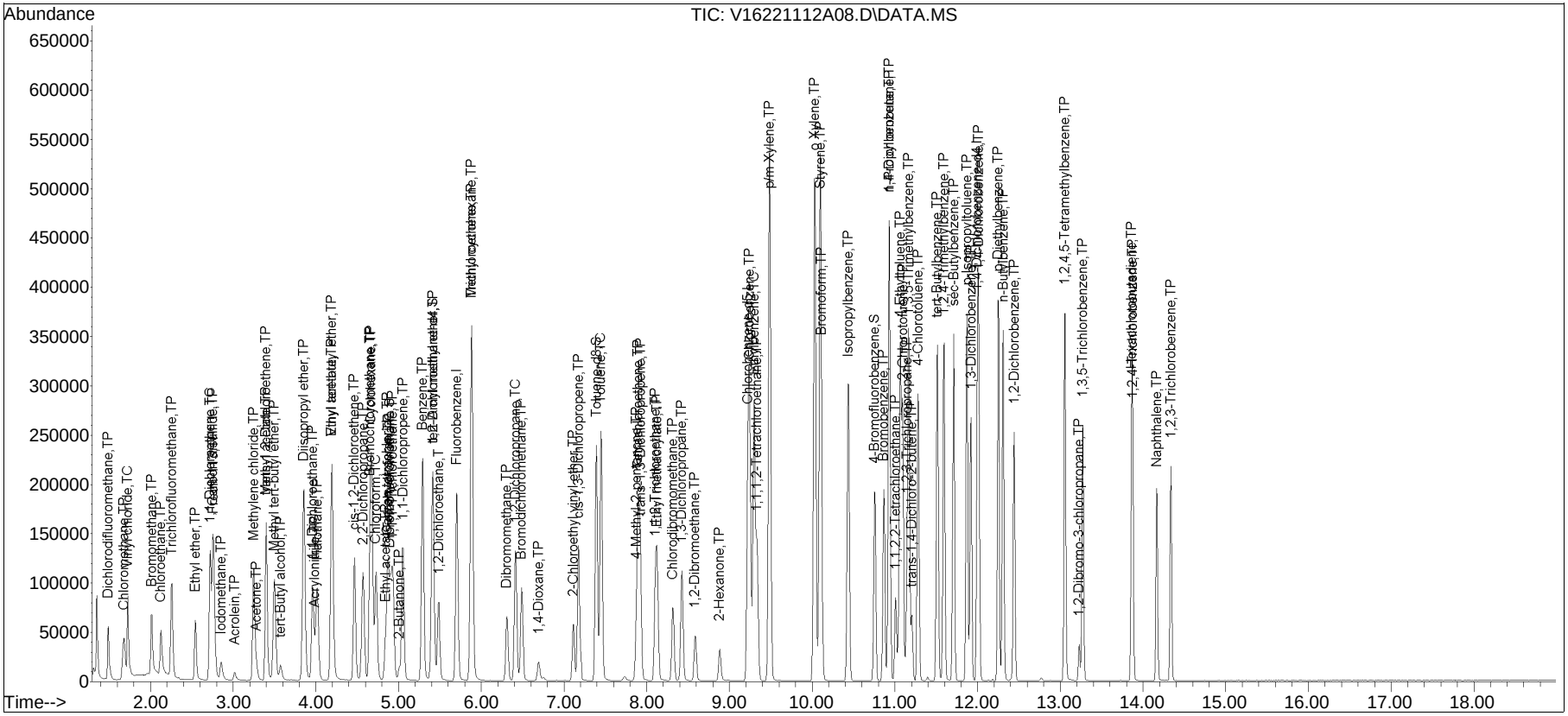
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A08.D
Acq On : 12 Nov 2022 04:01 pm
Operator : VOA116:MCM
Sample : I8260STD10PPB
Misc : WG1711989
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 14 10:51:00 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21112ICAL\V16221112A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2Q	Method	: V116_221112_8260.m
Data File	: V16221112A08.D	Operator	: VOA116:MCM
Date Inj'd	: 11/12/2022 4:01 pm	Instrument	: VOA 116
Sample	: I8260STD10PPB	Quant Date	: 11/14/2022 10:51 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A09.D
Acq On : 12 Nov 2022 04:26 pm
Operator : VOA116:MCM
Sample : I8260STD30PPB
Misc : WG1711989
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 14 10:51:06 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.703	96	175788	10.000	ug/L	0.00
Standard Area 1 = 171782			Recovery = 102.33%			
63) Chlorobenzene-d5	9.222	117	135027	10.000	ug/L	0.00
Standard Area 1 = 131267			Recovery = 102.86%			
84) 1,4-Dichlorobenzene-d4	11.997	152	72012	10.000	ug/L	0.00
Standard Area 1 = 70121			Recovery = 102.70%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.906	113	47136	9.942	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.42%			
47) 1,2-Dichloroethane-d4	5.416	65	56973	9.893	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.93%			
64) Toluene-d8	7.391	98	174087	9.981	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.81%			
88) 4-Bromofluorobenzene	10.754	95	67804	9.969	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.69%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	137141	32.719	ug/L	96
3) Chloromethane	1.680	50	193694	31.056	ug/L	95
4) Vinyl chloride	1.727	62	190492	32.811	ug/L	97
5) Bromomethane	2.018	94	111549	30.331	ug/L	98
6) Chloroethane	2.128	64	114392	31.608	ug/L	96
7) Trichlorofluoromethane	2.261	101	216884	32.708	ug/L	98
8) Ethyl ether	2.544	74	60677	31.634	ug/L #	64
10) 1,1-Dichloroethene	2.724	96	130545	32.455	ug/L	87
11) Carbon disulfide	2.755	76	246944	31.457	ug/L	100
12) Freon-113	2.763	101	148282	32.773	ug/L	95
13) Iodomethane	2.857	142	114342	27.623	ug/L	83
14) Acrolein	3.014	56	22585	31.330	ug/L	94
15) Methylene chloride	3.250	84	141447	30.385	ug/L #	70
17) Acetone	3.281	43	34906	28.873	ug/L	98
18) trans-1,2-Dichloroethene	3.399	96	143048	31.855	ug/L	83
19) Methyl acetate	3.399	43	89849	31.373	ug/L #	85
21) Methyl tert-butyl ether	3.501	73	312578	31.457	ug/L #	86
22) tert-Butyl alcohol	3.572	59	51864	152.703	ug/L	97
24) Diisopropyl ether	3.854	45	607186	31.915	ug/L #	86
25) 1,1-Dichloroethane	3.964	63	306824	31.609	ug/L	98
26) Halothane	4.019	117	110859	31.822	ug/L	97

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A09.D
Acq On : 12 Nov 2022 04:26 pm
Operator : VOA116:MCM
Sample : I8260STD30PPB
Misc : WG1711989
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 14 10:51:06 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.995	53	42963	31.513	ug/L		90
28) Ethyl tert-butyl ether	4.192	59	513362	31.503	ug/L		91
29) Vinyl acetate	4.192	43	316957	30.450	ug/L	#	92
30) cis-1,2-Dichloroethene	4.466	96	154356	30.893	ug/L	#	83
31) 2,2-Dichloropropane	4.568	77	224301	31.970	ug/L		84
33) Bromochloromethane	4.655	128	64690	31.217	ug/L	#	65
34) Cyclohexane	4.670	56	355239	32.444	ug/L		67
35) Chloroform	4.725	83	274385	31.410	ug/L		94
36) Ethyl acetate	4.835	43	131091	28.366	ug/L	#	91
37) Carbon tetrachloride	4.867	117	219140	32.559	ug/L	#	100
38) Tetrahydrofuran	4.875	42	43733	29.135	ug/L	#	68
40) 1,1,1-Trichloroethane	4.929	97	230884	31.875	ug/L		93
42) 2-Butanone	5.008	43	55508	28.913	ug/L	#	44
43) 1,1-Dichloropropene	5.055	75	213157	32.307	ug/L		97
45) Benzene	5.290	78	586723	31.651	ug/L	#	92
46) tert-Amyl methyl ether	5.408	73	375738	31.702	ug/L	#	91
48) 1,2-Dichloroethane	5.487	62	220445	32.457	ug/L		93
51) Methyl cyclohexane	5.883	83	295972	32.869	ug/L	#	72
52) Trichloroethene	5.883	95	160492	31.610	ug/L	#	97
54) Dibromomethane	6.307	93	83621	32.141	ug/L		93
55) 1,2-Dichloropropane	6.412	63	189313	32.467	ug/L	#	83
57) 2-Chloroethyl vinyl ether	7.114	63	83672	31.121	ug/L	#	76
58) Bromodichloromethane	6.488	83	180666	31.254	ug/L		99
61) 1,4-Dioxane	6.697	88	15281	558.876	ug/L	#	75
62) cis-1,3-Dichloropropene	7.176	75	259273	30.847	ug/L		91
65) Toluene	7.447	92	365906	31.408	ug/L		97
66) 4-Methyl-2-pentanone	7.877	58	45388	30.845	ug/L	#	95
67) Tetrachloroethene	7.897	166	162016	31.919	ug/L		94
69) trans-1,3-Dichloropropene	7.918	75	220599	32.094	ug/L		90
71) Ethyl methacrylate	8.126	69	152509	31.288	ug/L		91
72) 1,1,2-Trichloroethane	8.105	83	97151	31.572	ug/L		95
73) Chlorodibromomethane	8.320	129	143143	32.097	ug/L		97
74) 1,3-Dichloropropane	8.424	76	206247	31.490	ug/L		99
75) 1,2-Dibromoethane	8.584	107	114734	31.474	ug/L		98
77) 2-Hexanone	8.882	43	84800	29.960	ug/L	#	92
78) Chlorobenzene	9.243	112	397265	31.431	ug/L		98
79) Ethylbenzene	9.298	91	711755	31.534	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.333	131	145733	32.078	ug/L		95
81) p/m Xylene	9.486	106	536615	62.899	ug/L		100
82) o Xylene	10.029	106	495483	62.962	ug/L		96

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A09.D
Acq On : 12 Nov 2022 04:26 pm
Operator : VOA116:MCM
Sample : I8260STD30PPB
Misc : WG1711989
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 14 10:51:06 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.098	104	824180	63.417	ug/L		92
85) Bromoform	10.112	173	92319	32.054	ug/L		96
87) Isopropylbenzene	10.439	105	783467	32.796	ug/L		99
89) Bromobenzene	10.865	156	166373	31.956	ug/L		98
90) n-Propylbenzene	10.932	91	869485	32.156	ug/L		100
91) 1,4-Dichlorobutane	10.932	55	232090	30.863	ug/L	#	84
92) 1,1,2,2-Tetrachloroethane	11.007	83	134916	31.663	ug/L		98
93) 4-Ethyltoluene	11.066	105	695418	32.038	ug/L		97
94) 2-Chlorotoluene	11.096	91	563666	31.462	ug/L		98
95) 1,3,5-Trimethylbenzene	11.163	105	599471	31.987	ug/L		96
96) 1,2,3-Trichloropropane	11.148	75	111516	31.357	ug/L		88
97) trans-1,4-Dichloro-2-b...	11.207	53	50268	33.342	ug/L	#	87
98) 4-Chlorotoluene	11.281	91	507999	31.854	ug/L		97
99) tert-Butylbenzene	11.512	119	515845	32.212	ug/L		95
102) 1,2,4-Trimethylbenzene	11.593	105	585372	31.965	ug/L		98
103) sec-Butylbenzene	11.712	105	521224	30.269	ug/L		97
104) p-Isopropyltoluene	11.872	119	661668	32.608	ug/L		97
105) 1,3-Dichlorobenzene	11.921	146	320208	31.714	ug/L		100
106) 1,4-Dichlorobenzene	12.011	146	317532	31.454	ug/L		99
107) p-Diethylbenzene	12.248	119	395383	32.680	ug/L		99
108) n-Butylbenzene	12.311	91	597437	32.488	ug/L		99
109) 1,2-Dichlorobenzene	12.443	146	289642	31.452	ug/L		100
110) 1,2,4,5-Tetramethylben...	13.055	119	571388	32.249	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.229	155	21906	31.700	ug/L		94
112) 1,3,5-Trichlorobenzene	13.271	180	228720	31.740	ug/L		98
113) Hexachlorobutadiene	13.863	225	88722	31.574	ug/L		96
114) 1,2,4-Trichlorobenzene	13.877	180	203199	31.814	ug/L		100
115) Naphthalene	14.169	128	417386	32.044	ug/L		100
116) 1,2,3-Trichlorobenzene	14.336	180	179163	31.967	ug/L		98

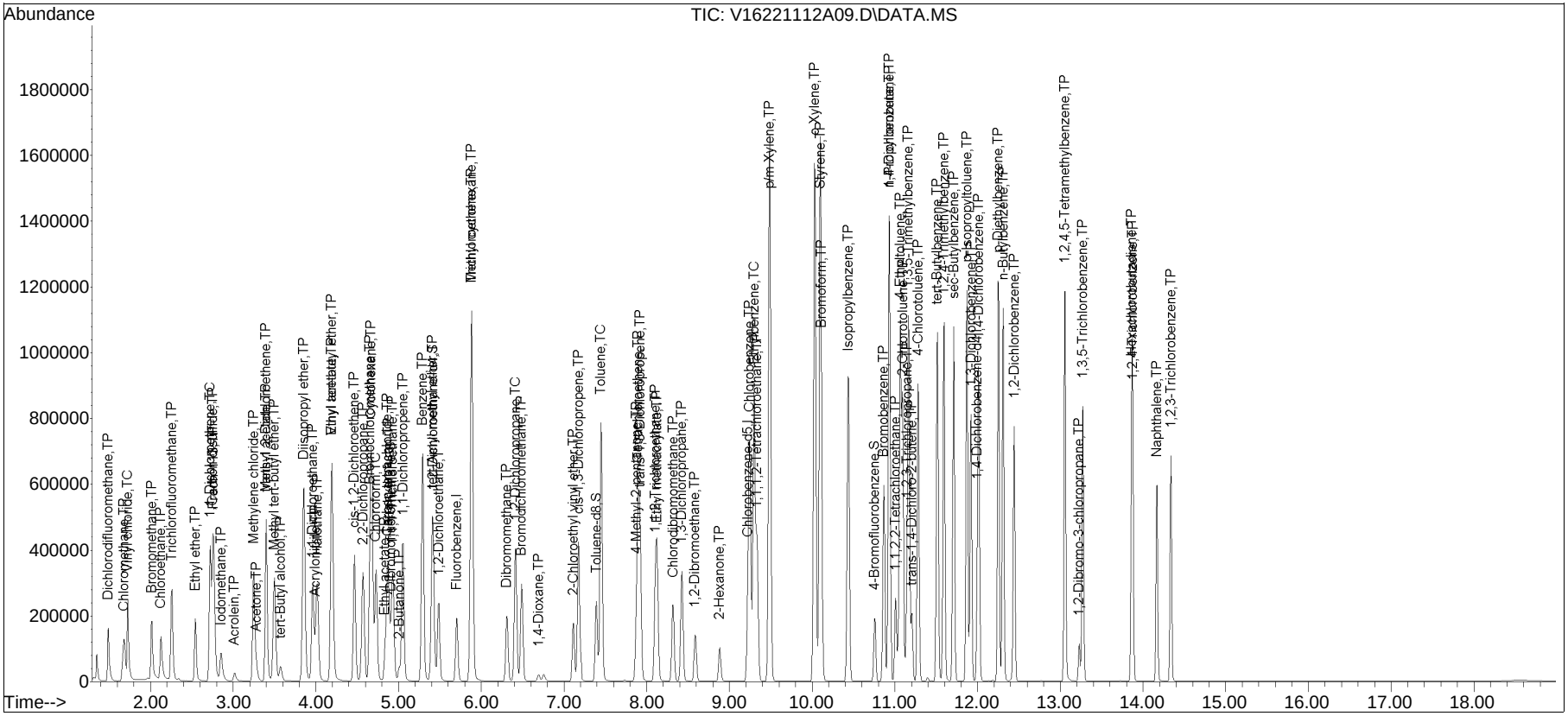
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A09.D
Acq On : 12 Nov 2022 04:26 pm
Operator : VOA116:MCM
Sample : I8260STD30PPB
Misc : WG1711989
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 14 10:51:06 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21112ICAL\V16221112A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2Q	Method	: V116_221112_8260.m
Data File	: V16221112A09.D	Operator	: VOA116:MCM
Date Inj'd	: 11/12/2022 4:26 pm	Instrument	: VOA 116
Sample	: I8260STD30PPB	Quant Date	: 11/14/2022 10:51 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A10.D
Acq On : 12 Nov 2022 04:50 pm
Operator : VOA116:MCM
Sample : I8260STD80PPB
Misc : WG1711989
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 10:51:12 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.703	96	180369	10.000	ug/L	0.00
Standard Area 1 = 171782			Recovery = 105.00%			
63) Chlorobenzene-d5	9.222	117	139291	10.000	ug/L	0.00
Standard Area 1 = 131267			Recovery = 106.11%			
84) 1,4-Dichlorobenzene-d4	11.997	152	74763	10.000	ug/L	0.00
Standard Area 1 = 70121			Recovery = 106.62%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.898	113	48742	10.019	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.19%			
47) 1,2-Dichloroethane-d4	5.416	65	58988	9.983	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.83%			
64) Toluene-d8	7.391	98	181472	10.086	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.86%			
88) 4-Bromofluorobenzene	10.754	95	69565	9.851	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	361996	84.170	ug/L	97
3) Chloromethane	1.680	50	516298	80.677	ug/L	96
4) Vinyl chloride	1.727	62	508570	85.373	ug/L	97
5) Bromomethane	2.018	94	300841	79.723	ug/L	98
6) Chloroethane	2.128	64	307504	82.808	ug/L	96
7) Trichlorofluoromethane	2.261	101	569168	83.655	ug/L	99
8) Ethyl ether	2.544	74	164781	83.726	ug/L #	65
10) 1,1-Dichloroethene	2.724	96	351733	85.225	ug/L	89
11) Carbon disulfide	2.755	76	666037	82.689	ug/L	100
12) Freon-113	2.763	101	392682	84.586	ug/L	94
13) Iodomethane	2.850	142	360817	80.456	ug/L	83
14) Acrolein	3.014	56	59550	80.511	ug/L	90
15) Methylene chloride	3.250	84	380452	79.652	ug/L #	70
17) Acetone	3.281	43	94798	78.293	ug/L	95
18) trans-1,2-Dichloroethene	3.399	96	390384	84.725	ug/L	85
19) Methyl acetate	3.399	43	234279	79.727	ug/L #	85
21) Methyl tert-butyl ether	3.501	73	856378	83.994	ug/L #	87
22) tert-Butyl alcohol	3.572	59	145874	418.589	ug/L	97
24) Diisopropyl ether	3.854	45	1634367	83.723	ug/L #	86
25) 1,1-Dichloroethane	3.964	63	829616	83.297	ug/L	98
26) Halothane	4.019	117	303088	84.791	ug/L	97

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A10.D
Acq On : 12 Nov 2022 04:50 pm
Operator : VOA116:MCM
Sample : I8260STD80PPB
Misc : WG1711989
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 10:51:12 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.988	53	113785	81.342	ug/L		91
28) Ethyl tert-butyl ether	4.192	59	1401761	83.836	ug/L		90
29) Vinyl acetate	4.192	43	828118	77.537	ug/L	#	92
30) cis-1,2-Dichloroethene	4.466	96	422727	82.456	ug/L	#	84
31) 2,2-Dichloropropane	4.568	77	591474	82.162	ug/L		85
33) Bromochloromethane	4.655	128	168779	79.377	ug/L	#	66
34) Cyclohexane	4.670	56	936864	83.392	ug/L		68
35) Chloroform	4.725	83	747766	83.427	ug/L		94
36) Ethyl acetate	4.835	43	357204	75.330	ug/L	#	91
37) Carbon tetrachloride	4.867	117	590807	85.552	ug/L	#	99
38) Tetrahydrofuran	4.875	42	117203	76.098	ug/L	#	71
40) 1,1,1-Trichloroethane	4.929	97	624804	84.068	ug/L		92
42) 2-Butanone	5.008	43	149830	76.061	ug/L	#	44
43) 1,1-Dichloropropene	5.047	75	573976	84.785	ug/L		98
45) Benzene	5.290	78	1598043	84.017	ug/L	#	92
46) tert-Amyl methyl ether	5.408	73	1038078	85.361	ug/L		92
48) 1,2-Dichloroethane	5.487	62	578461	83.007	ug/L		97
51) Methyl cyclohexane	5.883	83	787694	85.255	ug/L	#	72
52) Trichloroethene	5.883	95	443036	85.043	ug/L	#	96
54) Dibromomethane	6.307	93	223889	83.869	ug/L		94
55) 1,2-Dichloropropane	6.412	63	511247	85.452	ug/L	#	83
57) 2-Chloroethyl vinyl ether	7.114	63	231343	83.861	ug/L	#	77
58) Bromodichloromethane	6.488	83	486804	82.076	ug/L		99
61) 1,4-Dioxane	6.697	88	23511	838.035	ug/L	#	77
62) cis-1,3-Dichloropropene	7.176	75	706201	81.885	ug/L		92
65) Toluene	7.447	92	1008929	83.950	ug/L		99
66) 4-Methyl-2-pentanone	7.877	58	126083	83.061	ug/L	#	95
67) Tetrachloroethene	7.897	166	447653	85.494	ug/L		93
69) trans-1,3-Dichloropropene	7.925	75	597566	84.275	ug/L		90
71) Ethyl methacrylate	8.126	69	419063	83.341	ug/L		92
72) 1,1,2-Trichloroethane	8.105	83	265529	83.650	ug/L		94
73) Chlorodibromomethane	8.320	129	393008	85.428	ug/L		97
74) 1,3-Dichloropropane	8.424	76	557590	82.527	ug/L		99
75) 1,2-Dibromoethane	8.584	107	311472	82.827	ug/L		98
77) 2-Hexanone	8.882	43	227274	77.838	ug/L	#	95
78) Chlorobenzene	9.250	112	1088240	83.465	ug/L		98
79) Ethylbenzene	9.299	91	1938697	83.265	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.333	131	398950	85.126	ug/L		95
81) p/m Xylene	9.486	106	1479798	168.144	ug/L		98
82) o Xylene	10.036	106	1357642	167.236	ug/L		94

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A10.D
Acq On : 12 Nov 2022 04:50 pm
Operator : VOA116:MCM
Sample : I8260STD80PPB
Misc : WG1711989
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 10:51:12 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.098	104	2262698	168.775	ug/L		93
85) Bromoform	10.112	173	257722	86.190	ug/L		96
87) Isopropylbenzene	10.439	105	2105463	84.893	ug/L		99
89) Bromobenzene	10.865	156	450770	83.395	ug/L		99
90) n-Propylbenzene	10.932	91	2320319	82.654	ug/L		100
91) 1,4-Dichlorobutane	10.932	55	620636	79.495	ug/L	#	85
92) 1,1,2,2-Tetrachloroethane	11.007	83	361911	81.811	ug/L		98
93) 4-Ethyltoluene	11.066	105	1870830	83.018	ug/L		97
94) 2-Chlorotoluene	11.096	91	1537715	82.673	ug/L		98
95) 1,3,5-Trimethylbenzene	11.170	105	1596236	82.039	ug/L		95
96) 1,2,3-Trichloropropane	11.148	75	297944	80.695	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.207	53	128180	81.891	ug/L	#	82
98) 4-Chlorotoluene	11.281	91	1381145	83.417	ug/L		97
99) tert-Butylbenzene	11.512	119	1374492	82.671	ug/L		95
102) 1,2,4-Trimethylbenzene	11.594	105	1569646	82.560	ug/L		97
103) sec-Butylbenzene	11.712	105	1422403	79.563	ug/L		97
104) p-Isopropyltoluene	11.872	119	1757469	83.423	ug/L		97
105) 1,3-Dichlorobenzene	11.921	146	865525	82.570	ug/L		99
106) 1,4-Dichlorobenzene	12.018	146	858779	81.939	ug/L		99
107) p-Diethylbenzene	12.255	119	1056978	84.148	ug/L		99
108) n-Butylbenzene	12.311	91	1583141	82.923	ug/L		98
109) 1,2-Dichlorobenzene	12.443	146	784172	82.019	ug/L		100
110) 1,2,4,5-Tetramethylben...	13.055	119	1553221	84.438	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.229	155	59962	83.577	ug/L		91
112) 1,3,5-Trichlorobenzene	13.271	180	631034	84.347	ug/L		98
113) Hexachlorobutadiene	13.863	225	245009	83.984	ug/L		97
114) 1,2,4-Trichlorobenzene	13.877	180	559746	84.412	ug/L		100
115) Naphthalene	14.169	128	1137769	84.135	ug/L		100
116) 1,2,3-Trichlorobenzene	14.336	180	488440	83.942	ug/L		98

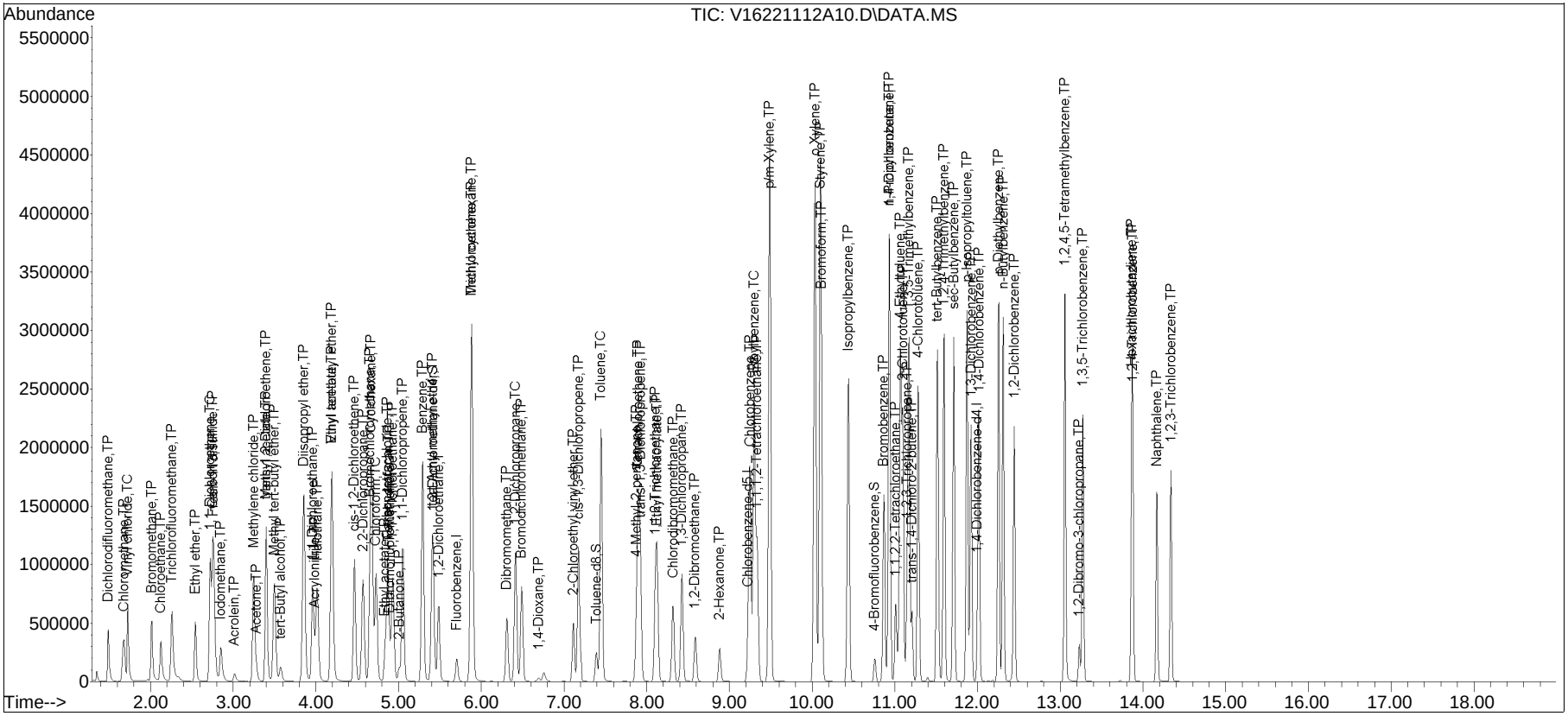
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A10.D
Acq On : 12 Nov 2022 04:50 pm
Operator : VOA116:MCM
Sample : I8260STD80PPB
Misc : WG1711989
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 10:51:12 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21112ICAL\V16221112A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2Q	Method	: V116_221112_8260.m
Data File	: V16221112A10.D	Operator	: VOA116:MCM
Date Inj'd	: 11/12/2022 4:50 pm	Instrument	: VOA 116
Sample	: I8260STD80PPB	Quant Date	: 11/14/2022 10:51 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A11.D
Acq On : 12 Nov 2022 05:14 pm
Operator : VOA116:MCM
Sample : I8260STD120PPB
Misc : WG1711989
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 10:51:19 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.703	96	183178	10.000	ug/L	0.00
Standard Area 1 = 171782			Recovery = 106.63%			
63) Chlorobenzene-d5	9.229	117	143184	10.000	ug/L	0.00
Standard Area 1 = 131267			Recovery = 109.08%			
84) 1,4-Dichlorobenzene-d4	11.997	152	75220	10.000	ug/L	0.00
Standard Area 1 = 70121			Recovery = 107.27%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.906	113	49958	10.112	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.12%			
47) 1,2-Dichloroethane-d4	5.416	65	60913	10.150	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.50%			
64) Toluene-d8	7.391	98	183373	9.914	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.14%			
88) 4-Bromofluorobenzene	10.754	95	70677	9.948	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	535977	122.713	ug/L	97
3) Chloromethane	1.680	50	778703	119.815	ug/L	96
4) Vinyl chloride	1.727	62	759776	125.586	ug/L	97
5) Bromomethane	2.018	94	453662	118.377	ug/L	97
6) Chloroethane	2.128	64	456900	121.152	ug/L	96
7) Trichlorofluoromethane	2.261	101	852649	123.398	ug/L	99
8) Ethyl ether	2.543	74	249242	124.698	ug/L #	65
10) 1,1-Dichloroethene	2.724	96	525327	125.335	ug/L	90
11) Carbon disulfide	2.755	76	1021056	124.821	ug/L	100
12) Freon-113	2.763	101	588392	124.799	ug/L	95
13) Iodomethane	2.850	142	560403	121.897	ug/L	82
14) Acrolein	3.014	56	90249	120.144	ug/L	91
15) Methylene chloride	3.250	84	574420	118.417	ug/L #	72
17) Acetone	3.281	43	146479	119.713	ug/L	96
18) trans-1,2-Dichloroethene	3.399	96	583656	124.728	ug/L	84
19) Methyl acetate	3.399	43	345507	115.776	ug/L #	86
21) Methyl tert-butyl ether	3.501	73	1291273	124.707	ug/L #	87
22) tert-Butyl alcohol	3.572	59	223884	632.588	ug/L	97
24) Diisopropyl ether	3.854	45	2421389	122.137	ug/L #	86
25) 1,1-Dichloroethane	3.964	63	1233770	121.976	ug/L	98
26) Halothane	4.019	117	451770	124.448	ug/L	97

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A11.D
Acq On : 12 Nov 2022 05:14 pm
Operator : VOA116:MCM
Sample : I8260STD120PPB
Misc : WG1711989
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 10:51:19 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.988	53	176157	123.999	ug/L		90
28) Ethyl tert-butyl ether	4.192	59	2106449	124.050	ug/L		88
29) Vinyl acetate	4.192	43	1192850	109.974	ug/L	#	92
30) cis-1,2-Dichloroethene	4.466	96	638450	122.624	ug/L	#	85
31) 2,2-Dichloropropane	4.568	77	867953	118.719	ug/L		87
33) Bromochloromethane	4.655	128	255030	118.102	ug/L	#	68
34) Cyclohexane	4.678	56	1395061	122.273	ug/L		68
35) Chloroform	4.725	83	1121782	123.236	ug/L		94
36) Ethyl acetate	4.835	43	543088	112.774	ug/L	#	91
37) Carbon tetrachloride	4.874	117	882472	125.827	ug/L	#	99
38) Tetrahydrofuran	4.874	42	178710	114.254	ug/L	#	71
40) 1,1,1-Trichloroethane	4.929	97	935313	123.917	ug/L		92
42) 2-Butanone	5.008	43	229273	114.605	ug/L	#	44
43) 1,1-Dichloropropene	5.055	75	855838	124.481	ug/L		98
45) Benzene	5.290	78	2375502	122.977	ug/L	#	92
46) tert-Amyl methyl ether	5.408	73	1571486	127.242	ug/L		92
48) 1,2-Dichloroethane	5.487	62	877390	123.971	ug/L		96
51) Methyl cyclohexane	5.883	83	1190598	126.886	ug/L	#	74
52) Trichloroethene	5.883	95	673052	127.215	ug/L	#	96
54) Dibromomethane	6.307	93	338950	125.025	ug/L		94
55) 1,2-Dichloropropane	6.412	63	768289	126.445	ug/L	#	83
57) 2-Chloroethyl vinyl ether	7.114	63	348965	124.559	ug/L	#	79
58) Bromodichloromethane	6.488	83	726963	120.687	ug/L		100
61) 1,4-Dioxane	6.697	88	34925	1225.790	ug/L	#	77
62) cis-1,3-Dichloropropene	7.176	75	1054569	120.404	ug/L		93
65) Toluene	7.447	92	1510986	122.307	ug/L		98
66) 4-Methyl-2-pentanone	7.876	58	195203	125.100	ug/L	#	93
67) Tetrachloroethene	7.897	166	672262	124.900	ug/L		93
69) trans-1,3-Dichloropropene	7.925	75	908172	124.598	ug/L		91
71) Ethyl methacrylate	8.126	69	645000	124.787	ug/L		91
72) 1,1,2-Trichloroethane	8.105	83	403421	123.635	ug/L		95
73) Chlorodibromomethane	8.320	129	600605	127.004	ug/L		97
74) 1,3-Dichloropropane	8.424	76	848863	122.221	ug/L		99
75) 1,2-Dibromoethane	8.584	107	477214	123.451	ug/L		98
77) 2-Hexanone	8.882	43	351457	117.096	ug/L	#	94
78) Chlorobenzene	9.250	112	1644383	122.690	ug/L		98
79) Ethylbenzene	9.298	91	2904537	121.354	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.333	131	607259	126.051	ug/L		95
81) p/m Xylene	9.486	106	2234154	246.956	ug/L		96
82) o Xylene	10.036	106	2039022	244.340	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A11.D
Acq On : 12 Nov 2022 05:14 pm
Operator : VOA116:MCM
Sample : I8260STD120PPB
Misc : WG1711989
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 10:51:19 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.105	104	3396344	246.446	ug/L		94
85) Bromoform	10.112	173	394451	131.115	ug/L		95
87) Isopropylbenzene	10.439	105	3140173	125.843	ug/L		99
89) Bromobenzene	10.873	156	683450	125.674	ug/L		98
90) n-Propylbenzene	10.932	91	3451457	122.200	ug/L		99
91) 1,4-Dichlorobutane	10.932	55	945308	120.345	ug/L	#	85
92) 1,1,2,2-Tetrachloroethane	11.014	83	543843	122.190	ug/L		98
93) 4-Ethyltoluene	11.066	105	2797058	123.366	ug/L		97
94) 2-Chlorotoluene	11.096	91	2282497	121.969	ug/L		98
95) 1,3,5-Trimethylbenzene	11.170	105	2402271	122.716	ug/L		95
96) 1,2,3-Trichloropropane	11.148	75	449073	120.888	ug/L		90
97) trans-1,4-Dichloro-2-b...	11.207	53	196240	124.612	ug/L	#	82
98) 4-Chlorotoluene	11.281	91	2051714	123.165	ug/L		96
99) tert-Butylbenzene	11.519	119	2059566	123.124	ug/L		95
102) 1,2,4-Trimethylbenzene	11.593	105	2357245	123.233	ug/L		97
103) sec-Butylbenzene	11.712	105	2289836	127.306	ug/L		97
104) p-Isopropyltoluene	11.872	119	2637858	124.453	ug/L		96
105) 1,3-Dichlorobenzene	11.921	146	1293923	122.689	ug/L		99
106) 1,4-Dichlorobenzene	12.018	146	1291428	122.470	ug/L		99
107) p-Diethylbenzene	12.255	119	1597533	126.410	ug/L		99
108) n-Butylbenzene	12.310	91	2374742	123.630	ug/L		98
109) 1,2-Dichlorobenzene	12.443	146	1184732	123.163	ug/L		100
110) 1,2,4,5-Tetramethylben...	13.055	119	2364668	127.769	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.229	155	93668	129.764	ug/L		93
112) 1,3,5-Trichlorobenzene	13.271	180	964920	128.192	ug/L		97
113) Hexachlorobutadiene	13.863	225	380349	129.584	ug/L		97
114) 1,2,4-Trichlorobenzene	13.877	180	862046	129.210	ug/L		100
115) Naphthalene	14.169	128	1739002	127.814	ug/L		100
116) 1,2,3-Trichlorobenzene	14.336	180	748591	127.869	ug/L		98

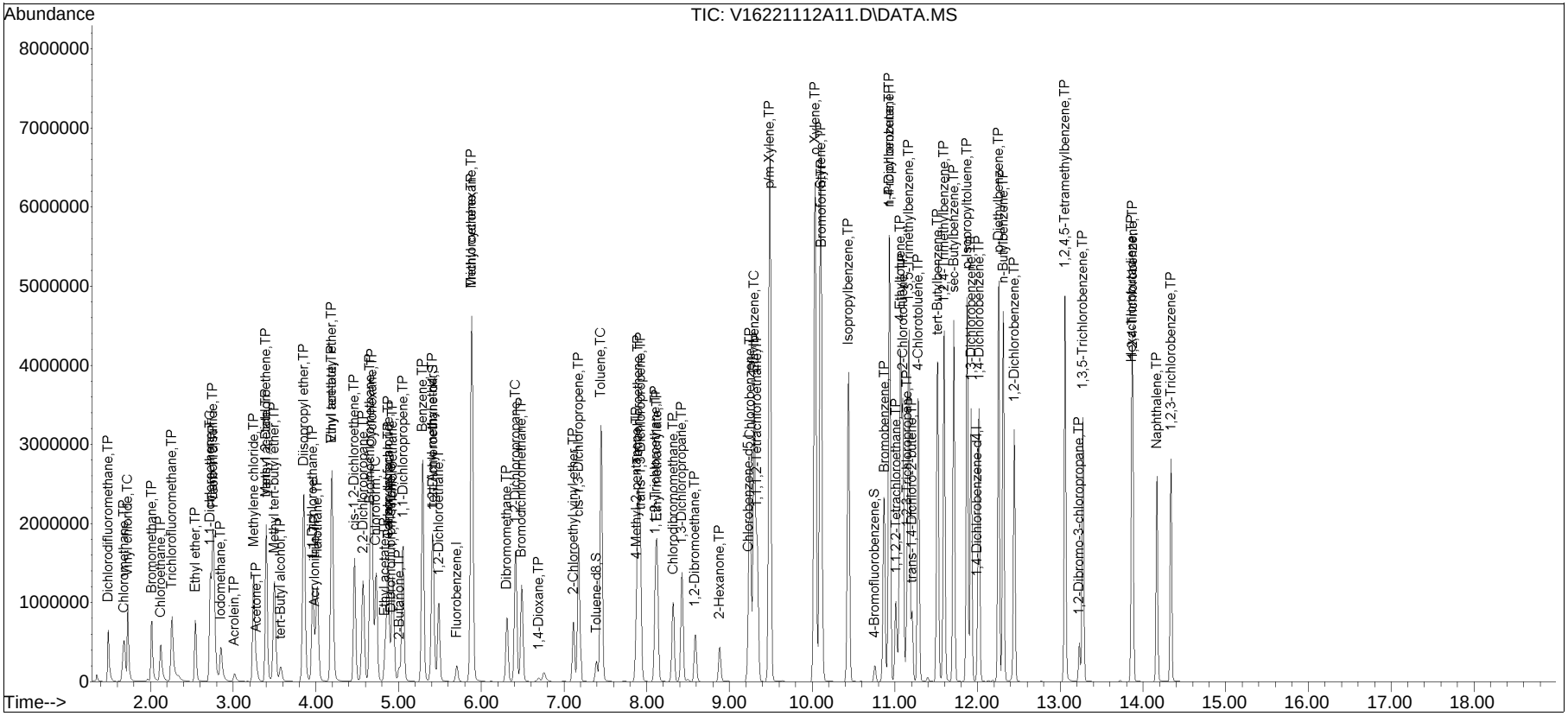
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A11.D
Acq On : 12 Nov 2022 05:14 pm
Operator : VOA116:MCM
Sample : I8260STD120PPB
Misc : WG1711989
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 10:51:19 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21112ICAL\V16221112A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2Q	Method	: V116_221112_8260.m
Data File	: V16221112A11.D	Operator	: VOA116:MCM
Date Inj'd	: 11/12/2022 5:14 pm	Instrument	: VOA 116
Sample	: I8260STD120PPB	Quant Date	: 11/14/2022 10:51 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A12.D
Acq On : 12 Nov 2022 05:39 pm
Operator : VOA116:MCM
Sample : I8260STD200PPB
Misc : WG1711989
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 14 10:51:25 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.703	96	185827	10.000	ug/L	0.00
Standard Area 1 = 171782			Recovery = 108.18%			
63) Chlorobenzene-d5	9.229	117	145138	10.000	ug/L	0.00
Standard Area 1 = 131267			Recovery = 110.57%			
84) 1,4-Dichlorobenzene-d4	12.004	152	76420	10.000	ug/L	0.00
Standard Area 1 = 70121			Recovery = 108.98%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.906	113	50713	10.118	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.18%			
47) 1,2-Dichloroethane-d4	5.416	65	62460	10.260	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.60%			
64) Toluene-d8	7.391	98	186119	9.927	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.27%			
88) 4-Bromofluorobenzene	10.754	95	70864	9.818	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	898385	202.755	ug/L	97
3) Chloromethane	1.680	50	1321620	200.452	ug/L	96
4) Vinyl chloride	1.727	62	1287381	209.763	ug/L	97
5) Bromomethane	2.010	94	769451	197.915	ug/L	97
6) Chloroethane	2.120	64	753466	196.942	ug/L	96
7) Trichlorofluoromethane	2.261	101	1426036	203.439	ug/L	99
8) Ethyl ether	2.543	74	420934	207.596	ug/L #	66
10) 1,1-Dichloroethene	2.724	96	884853	208.103	ug/L	91
11) Carbon disulfide	2.748	76	1724231	207.778	ug/L	100
12) Freon-113	2.763	101	994354	207.898	ug/L	95
13) Iodomethane	2.850	142	947860	201.790	ug/L	83
14) Acrolein	3.014	56	152164	199.681	ug/L	91
15) Methylene chloride	3.250	84	962817	195.655	ug/L #	72
17) Acetone	3.281	43	250735	202.779	ug/L	94
18) trans-1,2-Dichloroethene	3.399	96	994620	209.522	ug/L	85
19) Methyl acetate	3.399	43	565886	186.920	ug/L #	87
21) Methyl tert-butyl ether	3.501	73	2167531	206.349	ug/L #	87
22) tert-Butyl alcohol	3.579	59	388347	1081.640	ug/L	98
24) Diisopropyl ether	3.854	45	4010047	199.387	ug/L #	86
25) 1,1-Dichloroethane	3.964	63	2007854	195.676	ug/L	98
26) Halothane	4.019	117	776208	210.772	ug/L	97

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A12.D
Acq On : 12 Nov 2022 05:39 pm
Operator : VOA116:MCM
Sample : I8260STD200PPB
Misc : WG1711989
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 14 10:51:25 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.988	53	296698	205.872	ug/L		90
28) Ethyl tert-butyl ether	4.192	59	3532753	205.080	ug/L		88
29) Vinyl acetate	4.192	43	1963787	178.469	ug/L	#	93
30) cis-1,2-Dichloroethene	4.466	96	1099708	208.205	ug/L		88
31) 2,2-Dichloropropane	4.568	77	1435607	193.564	ug/L		87
33) Bromochloromethane	4.655	128	435240	198.682	ug/L	#	70
34) Cyclohexane	4.670	56	2367231	204.523	ug/L		68
35) Chloroform	4.725	83	1894751	205.184	ug/L		94
36) Ethyl acetate	4.835	43	907968	185.855	ug/L	#	91
37) Carbon tetrachloride	4.867	117	1503208	211.279	ug/L	#	99
38) Tetrahydrofuran	4.874	42	295513	186.236	ug/L	#	72
40) 1,1,1-Trichloroethane	4.929	97	1590285	207.689	ug/L		92
42) 2-Butanone	5.008	43	387281	190.827	ug/L	#	45
43) 1,1-Dichloropropene	5.055	75	1454746	208.575	ug/L		99
45) Benzene	5.290	78	4009015	204.584	ug/L	#	92
46) tert-Amyl methyl ether	5.408	73	2651736	211.648	ug/L		92
48) 1,2-Dichloroethane	5.487	62	1496824	208.480	ug/L		96
51) Methyl cyclohexane	5.883	83	2023019	212.527	ug/L	#	74
52) Trichloroethene	5.883	95	1152686	214.765	ug/L	#	97
54) Dibromomethane	6.307	93	553306	201.182	ug/L		94
55) 1,2-Dichloropropane	6.419	63	1302021	211.233	ug/L	#	83
57) 2-Chloroethyl vinyl ether	7.114	63	575332	202.431	ug/L	#	80
58) Bromodichloromethane	6.488	83	1236442	202.342	ug/L		99
61) 1,4-Dioxane	6.697	88	64331	2225.689	ug/L	#	77
62) cis-1,3-Dichloropropene	7.176	75	1767034	198.872	ug/L		94
65) Toluene	7.447	92	2582145	206.198	ug/L		100
66) 4-Methyl-2-pentanone	7.876	58	327370	206.978	ug/L	#	92
67) Tetrachloroethene	7.897	166	1142145	209.343	ug/L		93
69) trans-1,3-Dichloropropene	7.925	75	1528807	206.922	ug/L		91
71) Ethyl methacrylate	8.126	69	1082398	206.590	ug/L		92
72) 1,1,2-Trichloroethane	8.105	83	683291	206.587	ug/L		95
73) Chlorodibromomethane	8.320	129	1022756	213.360	ug/L		97
74) 1,3-Dichloropropane	8.424	76	1434520	203.765	ug/L		99
75) 1,2-Dibromoethane	8.591	107	807226	206.011	ug/L		98
77) 2-Hexanone	8.882	43	581070	190.991	ug/L	#	95
78) Chlorobenzene	9.250	112	2772782	204.097	ug/L		98
79) Ethylbenzene	9.298	91	4877804	201.056	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.333	131	1028136	210.540	ug/L		94
81) p/m Xylene	9.493	106	3766601	410.742	ug/L		94
82) o Xylene	10.036	106	3443685	407.108	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A12.D
Acq On : 12 Nov 2022 05:39 pm
Operator : VOA116:MCM
Sample : I8260STD200PPB
Misc : WG1711989
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 14 10:51:25 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.105	104	5642525	403.921	ug/L		95
85) Bromoform	10.119	173	667433	218.371	ug/L		95
87) Isopropylbenzene	10.439	105	5209643	205.499	ug/L		98
89) Bromobenzene	10.873	156	1148790	207.925	ug/L		98
90) n-Propylbenzene	10.932	91	5667439	197.506	ug/L		98
91) 1,4-Dichlorobutane	10.932	55	1572756	197.080	ug/L	#	84
92) 1,1,2,2-Tetrachloroethane	11.014	83	901407	199.346	ug/L		98
93) 4-Ethyltoluene	11.066	105	4631525	201.068	ug/L		96
94) 2-Chlorotoluene	11.096	91	3823025	201.082	ug/L		98
95) 1,3,5-Trimethylbenzene	11.170	105	4001023	201.176	ug/L		95
96) 1,2,3-Trichloropropane	11.148	75	763971	202.428	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.207	53	331874	207.430	ug/L	#	84
98) 4-Chlorotoluene	11.289	91	3432594	202.824	ug/L		96
99) tert-Butylbenzene	11.519	119	3457128	203.427	ug/L		95
102) 1,2,4-Trimethylbenzene	11.593	105	3926725	202.059	ug/L		96
103) sec-Butylbenzene	11.712	105	3932867	215.219	ug/L		97
104) p-Isopropyltoluene	11.872	119	4387354	203.743	ug/L		96
105) 1,3-Dichlorobenzene	11.921	146	2188378	204.242	ug/L		98
106) 1,4-Dichlorobenzene	12.018	146	2191687	204.581	ug/L		98
107) p-Diethylbenzene	12.255	119	2698950	210.209	ug/L		100
108) n-Butylbenzene	12.310	91	3941380	201.968	ug/L		97
109) 1,2-Dichlorobenzene	12.443	146	1995025	204.143	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.055	119	3920875	208.529	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.229	155	158325	215.894	ug/L		93
112) 1,3,5-Trichlorobenzene	13.271	180	1622261	212.136	ug/L		98
113) Hexachlorobutadiene	13.863	225	655346	219.768	ug/L		97
114) 1,2,4-Trichlorobenzene	13.877	180	1470667	216.973	ug/L		100
115) Naphthalene	14.169	128	2886874	208.849	ug/L		100
116) 1,2,3-Trichlorobenzene	14.336	180	1270699	213.644	ug/L		98

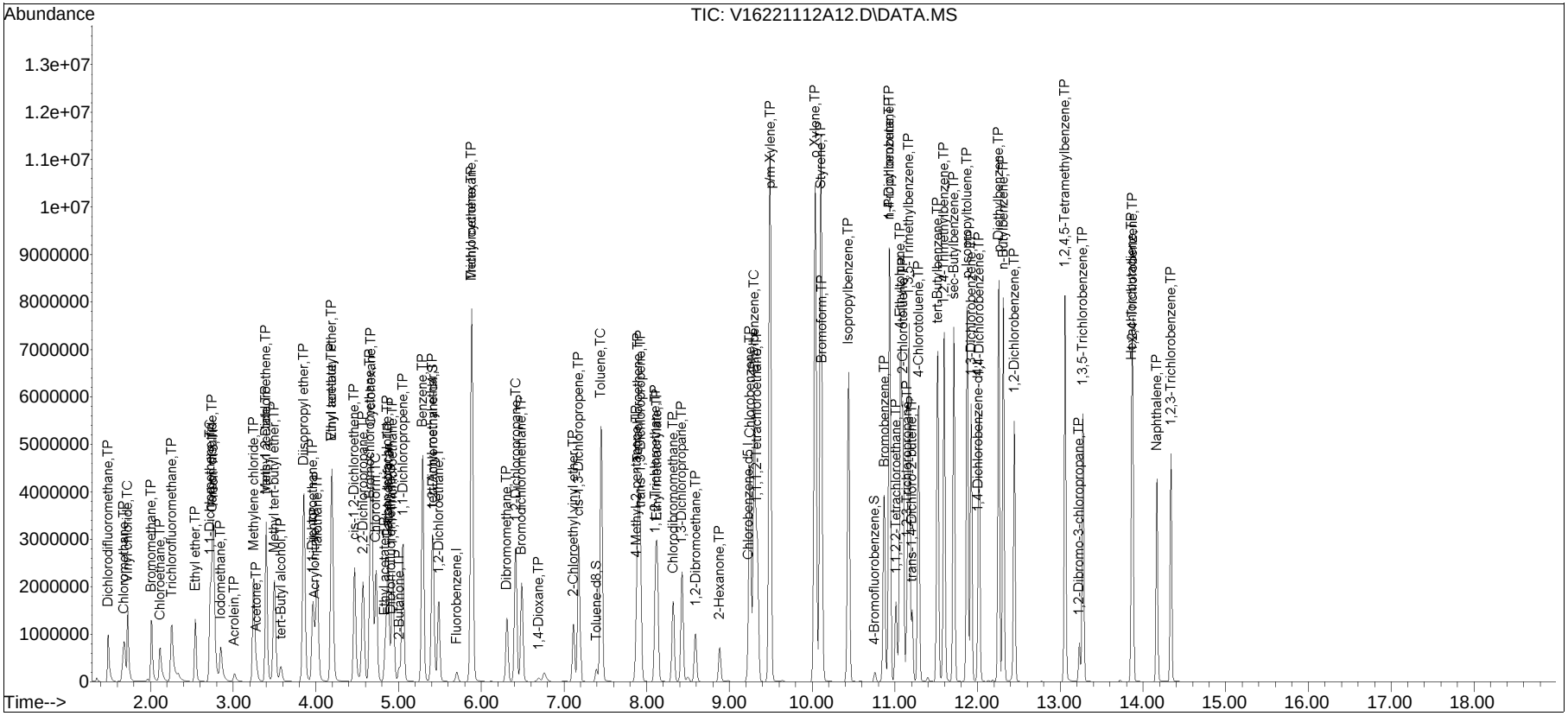
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A12.D
Acq On : 12 Nov 2022 05:39 pm
Operator : VOA116:MCM
Sample : I8260STD200PPB
Misc : WG1711989
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 14 10:51:25 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21112ICAL\V16221112A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2Q	Method	: V116_221112_8260.m
Data File	: V16221112A12.D	Operator	: VOA116:MCM
Date Inj'd	: 11/12/2022 5:39 pm	Instrument	: VOA 116
Sample	: I8260STD200PPB	Quant Date	: 11/14/2022 10:51 am

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	104	0.00
2	TP	Dichlorodifluoromethane	0.238	0.294	-23.5#	117	0.00
3	TP	Chloromethane	0.355	0.412	-16.1	116	0.00
4	TC	Vinyl chloride	0.330	0.378	-14.5	108	0.00
5	TP	Bromomethane	0.209	0.204	2.4	96	0.00
6	TP	Chloroethane	0.206	0.224	-8.7	106	0.00
7	TP	Trichlorofluoromethane	0.377	0.419	-11.1	103	0.00
8	TP	Ethyl ether	0.109	0.130	-19.3	117	0.00
10	TC	1,1-Dichloroethene	0.229	0.228	0.4	97	0.00
11	TP	Carbon disulfide	0.447	0.626	-40.0#	138	0.00
12	TP	Freon-113	0.257	0.234	8.9	88	0.00
13	TP	Iodomethane	* 10.000	10.814	-8.1	160	0.00
14	TP	Acrolein	0.041	0.021	48.8#	50	0.00
15	TP	Methylene chloride	0.265	0.264	0.4	101	0.00
17	TP	Acetone	* 10.000	8.635	13.7	88	0.00
18	TP	trans-1,2-Dichloroethene	0.255	0.261	-2.4	99	0.00
19	TP	Methyl acetate	0.163	0.150	8.0	88	0.00
21	TP	Methyl tert-butyl ether	0.565	0.594	-5.1	103	0.00
22	TP	tert-Butyl alcohol	0.019	0.019	0.0	98	0.00
24	TP	Diisopropyl ether	1.082	0.984	9.1	88	0.00
25	TP	1,1-Dichloroethane	0.552	0.567	-2.7	99	0.00
26	TP	Halothane	0.198	0.187	5.6	91	0.00
27	TP	Acrylonitrile	0.078	0.084	-7.7	103	0.00
28	TP	Ethyl tert-butyl ether	0.927	0.845	8.8	89	0.00
29	TP	Vinyl acetate	0.592	0.342	42.2#	56	0.00
30	TP	cis-1,2-Dichloroethene	0.284	0.285	-0.4	98	0.00
31	TP	2,2-Dichloropropane	0.399	0.341	14.5	83	0.00
33	TP	Bromochloromethane	0.118	0.121	-2.5	96	0.00
34	TP	Cyclohexane	0.623	0.547	12.2	84	0.00
35	TC	Chloroform	0.497	0.514	-3.4	100	0.00
36	TP	Ethyl acetate	0.263	0.226	14.1	88	0.00
37	TP	Carbon tetrachloride	0.383	0.392	-2.3	98	0.00
38	TP	Tetrahydrofuran	0.085	0.079	7.1	90	0.00
39	S	Dibromofluoromethane	0.270	0.272	-0.7	105	0.00
40	TP	1,1,1-Trichloroethane	0.412	0.437	-6.1	104	0.00
42	TP	2-Butanone	0.109	0.088	19.3	84	0.00
43	TP	1,1-Dichloropropene	0.375	0.368	1.9	95	0.00
45	TP	Benzene	1.055	1.060	-0.5	97	0.00
46	TP	tert-Amyl methyl ether	0.674	0.606	10.1	88	0.00

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.328	0.322	1.8	103	0.00
48	T	1,2-Dichloroethane	0.386	0.389	-0.8	101	0.00
51	TP	Methyl cyclohexane	0.512	0.449	12.3	85	0.00
52	TP	Trichloroethene	0.289	0.314	-8.7	107	0.00
54	TP	Dibromomethane	0.148	0.153	-3.4	100	0.00
55	TC	1,2-Dichloropropane	0.332	0.344	-3.6	97	0.00
57	TP	2-Chloroethyl vinyl ether	0.153	0.139	9.2	82	0.00
58	TP	Bromodichloromethane	0.329	0.331	-0.6	100	0.00
61	TP	1,4-Dioxane	0.00156	0.00138#	11.5	90	0.00
62	TP	cis-1,3-Dichloropropene	0.478	0.465	2.7	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	S	Toluene-d8	1.292	1.292	0.0	103	0.00
65	TC	Toluene	0.863	0.857	0.7	98	0.00
66	TP	4-Methyl-2-pentanone	0.109	0.097	11.0	90	0.00
67	TP	Tetrachloroethene	0.376	0.378	-0.5	99	0.00
69	TP	trans-1,3-Dichloropropene	0.509	0.506	0.6	97	0.00
71	TP	Ethyl methacrylate	0.361	0.350	3.0	96	0.00
72	TP	1,1,2-Trichloroethane	0.228	0.237	-3.9	102	0.00
73	TP	Chlorodibromomethane	0.330	0.342	-3.6	101	0.00
74	TP	1,3-Dichloropropane	0.485	0.492	-1.4	98	0.00
75	TP	1,2-Dibromoethane	0.270	0.273	-1.1	99	0.00
77	TP	2-Hexanone	0.210	0.185	11.9	90	0.00
78	TP	Chlorobenzene	0.936	0.951	-1.6	101	0.00
79	TC	Ethylbenzene	1.672	1.681	-0.5	99	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.336	0.344	-2.4	100	0.00
81	TP	p/m Xylene	0.632	0.629	0.5	99	0.00
82	TP	o Xylene	0.583	0.593	-1.7	100	0.00
83	TP	Styrene	0.962	1.001	-4.1	102	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
85	TP	Bromoform	0.400	0.403	-0.8	102	0.00
87	TP	Isopropylbenzene	3.317	3.407	-2.7	99	0.00
88	S	4-Bromofluorobenzene	0.945	0.933	1.3	102	0.00
89	TP	Bromobenzene	0.723	0.731	-1.1	102	0.00
90	TP	n-Propylbenzene	3.755	3.777	-0.6	99	0.00
91	TP	1,4-Dichlorobutane	1.044	1.037	0.7	100	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.592	0.529	10.6	88	0.00
93	TP	4-Ethyltoluene	3.014	2.822	6.4	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	2.488	2.472	0.6	98	0.00
95 TP	1,3,5-Trimethylbenzene	2.602	2.594	0.3	98	0.00
96 TP	1,2,3-Trichloropropane	0.494	0.494	0.0	99	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.209	0.214	-2.4	104	0.00
98 TP	4-Chlorotoluene	2.215	2.287	-3.3	101	0.00
99 TP	tert-Butylbenzene	2.224	2.225	-0.0	100	0.00
102 TP	1,2,4-Trimethylbenzene	2.543	2.596	-2.1	101	0.00
103 TP	sec-Butylbenzene	2.391	2.311	3.3	100	0.00
104 TP	p-Isopropyltoluene	2.818	2.840	-0.8	99	0.00
105 TP	1,3-Dichlorobenzene	1.402	1.432	-2.1	102	0.00
106 TP	1,4-Dichlorobenzene	1.402	1.441	-2.8	103	0.00
107 TP	p-Diethylbenzene	1.680	1.482	11.8	88	0.00
108 TP	n-Butylbenzene	2.554	2.657	-4.0	103	0.00
109 TP	1,2-Dichlorobenzene	1.279	1.315	-2.8	102	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.460	2.279	7.4	94	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.096	0.099	-3.1	109	0.00
112 TP	1,3,5-Trichlorobenzene	1.001	0.944	5.7	96	0.00
113 TP	Hexachlorobutadiene	0.390	0.379	2.8	102	0.00
114 TP	1,2,4-Trichlorobenzene	0.887	0.883	0.5	100	0.00
115 TP	Naphthalene	1.809	1.907	-5.4	104	0.00
116 TP	1,2,3-Trichlorobenzene	0.778	0.789	-1.4	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.703	96	177869	10.000	ug/L	0.00
Standard Area 1 = 171782			Recovery = 103.54%			
63) Chlorobenzene-d5	9.222	117	136168	10.000	ug/L	0.00
Standard Area 1 = 131267			Recovery = 103.73%			
84) 1,4-Dichlorobenzene-d4	11.997	152	73970	10.000	ug/L	0.00
Standard Area 1 = 70121			Recovery = 105.49%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.898	113	48337	10.076	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.76%			
47) 1,2-Dichloroethane-d4	5.416	65	57220	9.820	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.20%			
64) Toluene-d8	7.391	98	175959	10.004	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.04%			
88) 4-Bromofluorobenzene	10.754	95	69003	9.876	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	52217	12.312	ug/L	96
3) Chloromethane	1.680	50	73370	11.626	ug/L	96
4) Vinyl chloride	1.727	62	67206	11.440	ug/L	97
5) Bromomethane	2.018	94	36325	9.761	ug/L	99
6) Chloroethane	2.128	64	39813	10.872	ug/L	96
7) Trichlorofluoromethane	2.261	101	74550	11.111	ug/L	99
8) Ethyl ether	2.544	74	23069	11.886	ug/L #	64
10) 1,1-Dichloroethene	2.724	96	40625	9.982	ug/L	89
11) Carbon disulfide	2.756	76	111375	14.022	ug/L	98
12) Freon-113	2.763	101	41543	9.074	ug/L	96
13) Iodomethane	2.858	142	39300	10.814	ug/L	81
14) Acrolein	3.015	56	3739	5.126	ug/L	100
15) Methylene chloride	3.250	84	46953	9.968	ug/L #	71
17) Acetone	3.281	43	11501	8.635	ug/L	100
18) trans-1,2-Dichloroethene	3.399	96	46506	10.235	ug/L	85
19) Methyl acetate	3.407	43	26767	9.237	ug/L #	85
21) Methyl tert-butyl ether	3.501	73	105724	10.515	ug/L #	85
22) tert-Butyl alcohol	3.580	59	17086	49.718	ug/L	90
24) Diisopropyl ether	3.854	45	175012	9.091	ug/L #	87
25) 1,1-Dichloroethane	3.964	63	100864	10.270	ug/L	97
26) Halothane	4.019	117	33277	9.440	ug/L	97

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.996	53	14878	10.785	ug/L		90
28) Ethyl tert-butyl ether	4.192	59	150231	9.111	ug/L	#	79
29) Vinyl acetate	4.192	43	60760	5.769	ug/L	#	88
30) cis-1,2-Dichloroethene	4.467	96	50657	10.020	ug/L		86
31) 2,2-Dichloropropane	4.569	77	60634	8.541	ug/L		84
33) Bromochloromethane	4.655	128	21510	10.258	ug/L	#	68
34) Cyclohexane	4.671	56	97243	8.777	ug/L		70
35) Chloroform	4.726	83	91337	10.334	ug/L		95
36) Ethyl acetate	4.835	43	40180	8.593	ug/L	#	92
37) Carbon tetrachloride	4.867	117	69670	10.230	ug/L	#	100
38) Tetrahydrofuran	4.875	42	14109	9.289	ug/L	#	69
40) 1,1,1-Trichloroethane	4.930	97	77738	10.607	ug/L		92
42) 2-Butanone	5.008	43	15725	8.095	ug/L	#	44
43) 1,1-Dichloropropene	5.055	75	65443	9.803	ug/L		99
45) Benzene	5.291	78	188551	10.052	ug/L	#	93
46) tert-Amyl methyl ether	5.408	73	107850	8.993	ug/L	#	90
48) 1,2-Dichloroethane	5.487	62	69250	10.077	ug/L		95
51) Methyl cyclohexane	5.883	83	79926	8.772	ug/L	#	73
52) Trichloroethene	5.883	95	55783	10.858	ug/L	#	96
54) Dibromomethane	6.308	93	27251	10.352	ug/L		93
55) 1,2-Dichloropropane	6.412	63	61190	10.371	ug/L	#	80
57) 2-Chloroethyl vinyl ether	7.114	63	24782	9.110	ug/L	#	81
58) Bromodichloromethane	6.488	83	58909	10.072	ug/L		98
61) 1,4-Dioxane	6.690	88	12279	443.829	ug/L	#	73
62) cis-1,3-Dichloropropene	7.176	75	82788	9.734	ug/L		91
65) Toluene	7.447	92	116649	9.929	ug/L		98
66) 4-Methyl-2-pentanone	7.877	58	13219	8.908	ug/L	#	95
67) Tetrachloroethene	7.897	166	51437	10.049	ug/L		94
69) trans-1,3-Dichloropropene	7.925	75	68836	9.931	ug/L		89
71) Ethyl methacrylate	8.126	69	47617	9.687	ug/L		95
72) 1,1,2-Trichloroethane	8.105	83	32334	10.420	ug/L		94
73) Chlorodibromomethane	8.320	129	46551	10.351	ug/L		97
74) 1,3-Dichloropropane	8.424	76	67021	10.147	ug/L		99
75) 1,2-Dibromoethane	8.584	107	37180	10.114	ug/L		98
77) 2-Hexanone	8.882	43	25153	8.812	ug/L	#	91
78) Chlorobenzene	9.243	112	129466	10.157	ug/L		99
79) Ethylbenzene	9.299	91	228838	10.054	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.333	131	46782	10.211	ug/L		94
81) p/m Xylene	9.486	106	171314	19.912	ug/L		99
82) o Xylene	10.029	106	161461	20.345	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221112ICAL\V16221112A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.099	104	272641	20.803	ug/L		93
85) Bromoform	10.112	173	29808	10.076	ug/L		95
87) Isopropylbenzene	10.439	105	251989	10.269	ug/L		95
89) Bromobenzene	10.866	156	54074	10.111	ug/L		99
90) n-Propylbenzene	10.932	91	279383	10.059	ug/L		99
91) 1,4-Dichlorobutane	10.932	55	76740	9.935	ug/L	#	86
92) 1,1,2,2-Tetrachloroethane	11.007	83	39128	8.940	ug/L		98
93) 4-Ethyltoluene	11.066	105	208720	9.361	ug/L		98
94) 2-Chlorotoluene	11.096	91	182819	9.934	ug/L		98
95) 1,3,5-Trimethylbenzene	11.170	105	191881	9.968	ug/L		97
96) 1,2,3-Trichloropropane	11.148	75	36576	10.012	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.207	53	15798	10.201	ug/L	#	87
98) 4-Chlorotoluene	11.282	91	169193	10.328	ug/L		98
99) tert-Butylbenzene	11.512	119	164608	10.007	ug/L		95
102) 1,2,4-Trimethylbenzene	11.594	105	192012	10.208	ug/L		97
103) sec-Butylbenzene	11.712	105	170935	9.664	ug/L		97
104) p-Isopropyltoluene	11.872	119	210046	10.077	ug/L		97
105) 1,3-Dichlorobenzene	11.921	146	105906	10.212	ug/L		99
106) 1,4-Dichlorobenzene	12.011	146	106608	10.281	ug/L		99
107) p-Diethylbenzene	12.248	119	109658	8.824	ug/L		99
108) n-Butylbenzene	12.311	91	196561	10.406	ug/L		99
109) 1,2-Dichlorobenzene	12.443	146	97238	10.280	ug/L		100
110) 1,2,4,5-Tetramethylben...	13.056	119	168582	9.263	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.230	155	7357	10.364	ug/L		96
112) 1,3,5-Trichlorobenzene	13.271	180	69856	9.437	ug/L		98
113) Hexachlorobutadiene	13.863	225	28067	9.724	ug/L		97
114) 1,2,4-Trichlorobenzene	13.877	180	65327	9.957	ug/L		99
115) Naphthalene	14.169	128	141081	10.544	ug/L		100
116) 1,2,3-Trichlorobenzene	14.336	180	58393	10.143	ug/L		98

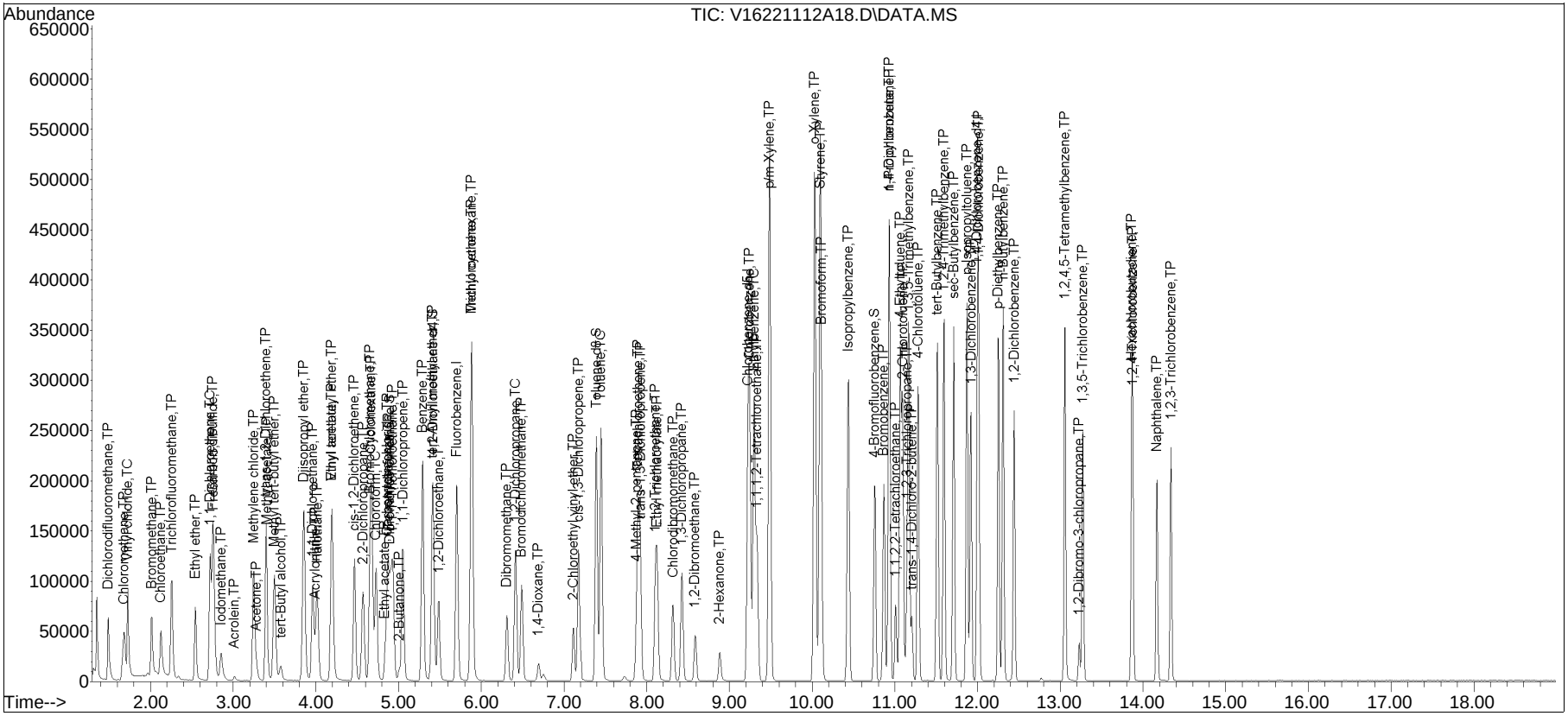
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21112ICAL\V16221112A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2Q	Method	: V116_221112_8260.m
Data File	: V16221112A18.D	Operator	: VOA116:MCM
Date Inj'd	: 11/12/2022 8:05 pm	Instrument	: VOA 116
Sample	: C8260STD10PPB	Quant Date	: 11/14/2022 10:51 am

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

Evaluate Relative Error Report VOA 116

Method Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Method File : V116_221112_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 14 08:29:26 2022

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
13	TP Iodomethane	L	ug/L	10.0	7.767	-22.3	2.00	2.546	27.3
17	TP Acetone	L	ug/L	10.0	10.309	3.1	2.00	2.033	1.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
13	TP Iodomethane	Linear	0.997723	0.000000	0.25552	-0.0553713
17	TP Acetone	Linear	0.999669	0.000000	0.0661691	0.00752107

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA101		**Calibration Date**	: 11/18/22 08:09	
Lab File ID	: V01221118A01		**Init. Calib. Date(s)**	: 09/15/22	09/15/22
Sample No	: WG1714394-2		**Init. Calib. Times**	: 13:08	16:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	141	0
Dichlorodifluoromethane	0.242	0.228	-	5.8	20	136	0
Chloromethane	0.285	0.193	-	32.3*	20	101	0
Vinyl chloride	0.265	0.276	-	-4.2	20	146	0
Bromomethane	0.156	0.04	-	74.4*	20	48	0
Chloroethane	0.158	0.172	-	-8.9	20	149	0
Trichlorofluoromethane	0.345	0.391	-	-13.3	20	164	0
Ethyl ether	0.089	0.089	-	0	20	144	0
1,1-Dichloroethene	0.208	0.231	-	-11.1	20	163	0
Carbon disulfide	0.524	0.439	-	16.2	20	128	0
Freon-113	0.231	0.255	-	-10.4	20	159	0
Acrolein	0.027	0.022	-	18.5	20	115	0
Methylene chloride	0.226	0.248	-	-9.7	20	169	0
Acetone	0.054	0.039	-	27.8*	20	114	0
trans-1,2-Dichloroethene	0.223	0.256	-	-14.8	20	168	0
Methyl acetate	0.111	0.093	-	16.2	20	122	0
Methyl tert-butyl ether	0.456	0.449	-	1.5	20	144	0
tert-Butyl alcohol	0.01301	0.00929*	-	28.6*	20	97	0
Diisopropyl ether	0.8	0.877	-	-9.6	20	158	0
1,1-Dichloroethane	0.43	0.486	-	-13	20	164	0
Halothane	0.175	0.187	-	-6.9	20	153	0
Acrylonitrile	0.053	0.044	-	17	20	125	0
Ethyl tert-butyl ether	0.659	0.681	-	-3.3	20	151	0
Vinyl acetate	0.413	0.397	-	3.9	20	131	0
cis-1,2-Dichloroethene	0.244	0.275	-	-12.7	20	169	0
2,2-Dichloropropane	0.331	0.395	-	-19.3	20	171	0
Bromochloromethane	0.107	0.115	-	-7.5	20	149	0
Cyclohexane	0.468	0.528	-	-12.8	20	163	0
Chloroform	0.381	0.445	-	-16.8	20	173	0
Ethyl acetate	0.164	0.133	-	18.9	20	118	0
Carbon tetrachloride	0.329	0.372	-	-13.1	20	165	0
Tetrahydrofuran	0.048	0.039	-	18.8	20	120	0
Dibromofluoromethane	0.269	0.26	-	3.3	20	138	0
1,1,1-Trichloroethane	0.353	0.41	-	-16.1	20	170	0
2-Butanone	0.067	0.048	-	28.4*	20	117	0
1,1-Dichloropropene	0.304	0.365	-	-20.1*	20	172	0
Benzene	0.882	1.003	-	-13.7	20	167	0
tert-Amyl methyl ether	0.495	0.509	-	-2.8	20	150	-.01
1,2-Dichloroethane-d4	0.295	0.283	-	4.1	20	138	0
1,2-Dichloroethane	0.286	0.296	-	-3.5	20	153	0
Methyl cyclohexane	0.391	0.455	-	-16.4	20	169	0
Trichloroethene	0.256	0.272	-	-6.3	20	171	0
Dibromomethane	0.118	0.12	-	-1.7	20	150	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA101		**Calibration Date**	: 11/18/22 08:09	
Lab File ID	: V01221118A01		**Init. Calib. Date(s)**	: 09/15/22	09/15/22
Sample No	: WG1714394-2		**Init. Calib. Times**	: 13:08	16:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.244	0.27	-	-10.7	20	163	0
Bromodichloromethane	0.293	0.317	-	-8.2	20	162	0
1,4-Dioxane	0.00123	0.0008*	-	35*	20	95	0
cis-1,3-Dichloropropene	0.347	0.383	-	-10.4	20	163	0
Chlorobenzene-d5	1	1	-	0	20	146	0
Toluene-d8	1.276	1.298	-	-1.7	20	146	0
Toluene	0.732	0.791	-	-8.1	20	160	0
4-Methyl-2-pentanone	0.072	0.062	-	13.9	20	124	0
Tetrachloroethene	0.322	0.371	-	-15.2	20	171	0
trans-1,3-Dichloropropene	0.371	0.381	-	-2.7	20	154	0
Ethyl methacrylate	0.282	0.246	-	12.8	20	138	0
1,1,2-Trichloroethane	0.171	0.179*	-	-4.7	20	153	0
Chlorodibromomethane	0.266	0.262	-	1.5	20	151	0
1,3-Dichloropropane	0.358	0.377	-	-5.3	20	156	0
1,2-Dibromoethane	0.206	0.203	-	1.5	20	147	0
2-Hexanone	0.128	0.102	-	20.3*	20	122	-.01
Chlorobenzene	0.823	0.877	-	-6.6	20	161	0
Ethylbenzene	1.39	1.53	-	-10.1	20	165	0
1,1,1,2-Tetrachloroethane	0.289	0.302	-	-4.5	20	159	-.01
p/m Xylene	0.551	0.601	-	-9.1	20	164	0
o Xylene	0.524	0.545	-	-4	20	157	0
Styrene	0.847	0.846	-	0.1	20	152	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	150	0
Bromoform	0.284	0.261	-	8.1	20	143	0
Isopropylbenzene	2.634	2.749	-	-4.4	20	161	0
4-Bromofluorobenzene	0.895	0.934	-	-4.4	20	157	0
Bromobenzene	0.615	0.64	-	-4.1	20	163	0
n-Propylbenzene	2.993	3.171	-	-5.9	20	165	0
1,4-Dichlorobutane	0.722	0.628	-	13	20	135	0
1,1,2,2-Tetrachloroethane	0.426	0.4	-	6.1	20	143	0
4-Ethyltoluene	2.505	2.585	-	-3.2	20	161	0
2-Chlorotoluene	1.743	1.842	-	-5.7	20	166	0
1,3,5-Trimethylbenzene	2.111	2.167	-	-2.7	20	161	0
1,2,3-Trichloropropane	0.358	0.33	-	7.8	20	144	0
trans-1,4-Dichloro-2-buten	0.134	0.099	-	26.1*	20	117	0
4-Chlorotoluene	1.791	1.876	-	-4.7	20	166	0
tert-Butylbenzene	1.795	1.923	-	-7.1	20	167	0
1,2,4-Trimethylbenzene	2.04	2.107	-	-3.3	20	163	0
sec-Butylbenzene	2.496	2.588	-	-3.7	20	161	0
p-Isopropyltoluene	2.141	2.288	-	-6.9	20	167	0
1,3-Dichlorobenzene	1.134	1.16	-	-2.3	20	162	0
1,4-Dichlorobenzene	1.155	1.169	-	-1.2	20	162	0
p-Diethylbenzene	1.204	1.286	-	-6.8	20	168	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA101		**Calibration Date**	: 11/18/22 08:09	
Lab File ID	: V01221118A01		**Init. Calib. Date(s)**	: 09/15/22	09/15/22
Sample No	: WG1714394-2		**Init. Calib. Times**	: 13:08	16:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.663	1.79	-	-7.6	20	170	0
1,2-Dichlorobenzene	1.008	1.011	-	-0.3	20	159	0
1,2,4,5-Tetramethylbenzene	1.617	1.709	-	-5.7	20	168	0
1,2-Dibromo-3-chloropropan	10	7.649	-	23.5*	20	125	0
1,3,5-Trichlorobenzene	0.582	0.643	-	-10.5	20	176	0
Hexachlorobutadiene	0.207	0.267	-	-29*	20	208	0
1,2,4-Trichlorobenzene	0.463	0.459	-	0.9	20	160	0
Naphthalene	0.933	0.677	-	27.4*	20	117	0
1,2,3-Trichlorobenzene	0.324	0.28*	-	13.6	20	140	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/19/22 19:02	
Lab File ID	: V08221119N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1714899-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	84	0
Dichlorodifluoromethane	0.187	0.155	-	17.1	20	69	0
Chloromethane	0.21	0.187	-	11	20	75	-.01
Vinyl chloride	0.226	0.232	-	-2.7	20	82	0
Bromomethane	0.22	0.196	-	10.9	20	82	0
Chloroethane	0.231	0.468	-	-102.6*	20	170	0
Trichlorofluoromethane	0.504	0.521	-	-3.4	20	87	0
Ethyl ether	0.164	0.166	-	-1.2	20	86	0
1,1-Dichloroethene	0.298	0.309	-	-3.7	20	89	0
Carbon disulfide	0.517	0.545	-	-5.4	20	90	0
Freon-113	0.306	0.342	-	-11.8	20	94	0
Acrolein	0.038	0.039	-	-2.6	20	93	0
Methylene chloride	0.253	0.222	-	12.3	20	76	0
Acetone	0.07	0.061	-	12.9	20	75	0
trans-1,2-Dichloroethene	0.242	0.226	-	6.6	20	80	0
Methyl acetate	0.174	0.136	-	21.8*	20	70	-.01
Methyl tert-butyl ether	0.647	0.517	-	20.1*	20	69	-.01
tert-Butyl alcohol	0.03	0.023	-	23.3*	20	69	-.01
Diisopropyl ether	0.675	0.569	-	15.7	20	73	-.01
1,1-Dichloroethane	0.39	0.381	-	2.3	20	82	-.01
Halothane	0.198	0.176	-	11.1	20	76	-.01
Acrylonitrile	0.077	0.065	-	15.6	20	73	-.01
Ethyl tert-butyl ether	0.706	0.58	-	17.8	20	71	-.01
Vinyl acetate	0.466	0.435	-	6.7	20	81	-.01
cis-1,2-Dichloroethene	0.279	0.255	-	8.6	20	77	-.01
2,2-Dichloropropane	0.363	0.323	-	11	20	78	-.01
Bromochloromethane	0.154	0.143	-	7.1	20	77	0
Cyclohexane	0.335	0.294	-	12.2	20	77	0
Chloroform	0.445	0.407	-	8.5	20	78	-.01
Ethyl acetate	0.237	0.195	-	17.7	20	70	-.01
Carbon tetrachloride	0.353	0.306	-	13.3	20	74	-.01
Tetrahydrofuran	0.077	0.063	-	18.2	20	73	0
Dibromofluoromethane	0.293	0.3	-	-2.4	20	86	-.01
1,1,1-Trichloroethane	0.39	0.341	-	12.6	20	75	0
2-Butanone	0.116	0.098	-	15.5	20	76	-.01
1,1-Dichloropropene	0.311	0.28	-	10	20	77	-.01
Benzene	0.931	0.852	-	8.5	20	78	0
tert-Amyl methyl ether	0.741	0.546	-	26.3*	20	66	0
1,2-Dichloroethane-d4	0.309	0.313	-	-1.3	20	85	-.01
1,2-Dichloroethane	0.348	0.317	-	8.9	20	80	-.01
Methyl cyclohexane	0.389	0.339	-	12.9	20	76	0
Trichloroethene	0.271	0.233	-	14	20	72	0
Dibromomethane	0.185	0.167	-	9.7	20	76	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/19/22 19:02	
Lab File ID	: V08221119N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1714899-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.235	0.225	-	4.3	20	83	-.01
Bromodichloromethane	0.352	0.313	-	11.1	20	78	-.01
1,4-Dioxane	0.00274	0.00294*	-	-7.3	20	91	-.02
cis-1,3-Dichloropropene	0.414	0.35	-	15.5	20	75	0
Chlorobenzene-d5	1	1	-	0	20	84	0
Toluene-d8	1.209	1.236	-	-2.2	20	85	-.01
Toluene	0.768	0.7	-	8.9	20	79	0
4-Methyl-2-pentanone	0.111	0.092	-	17.1	20	71	-.01
Tetrachloroethene	0.367	0.32	-	12.8	20	75	-.01
trans-1,3-Dichloropropene	0.478	0.408	-	14.6	20	74	-.01
Ethyl methacrylate	0.381	0.297	-	22*	20	68	-.01
1,1,2-Trichloroethane	0.243	0.227	-	6.6	20	79	-.01
Chlorodibromomethane	0.377	0.315	-	16.4	20	74	0
1,3-Dichloropropane	0.492	0.458	-	6.9	20	78	0
1,2-Dibromoethane	0.327	0.28	-	14.4	20	73	0
2-Hexanone	0.219	0.174	-	20.5*	20	70	0
Chlorobenzene	0.946	0.869	-	8.1	20	80	0
Ethylbenzene	1.473	1.334	-	9.4	20	79	0
1,1,1,2-Tetrachloroethane	0.36	0.3	-	16.7	20	74	0
p/m Xylene	0.612	0.544	-	11.1	20	79	0
o Xylene	0.583	0.512	-	12.2	20	79	0
Styrene	0.981	0.845	-	13.9	20	77	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	84	-.01
Bromoform	0.479	0.362	-	24.4*	20	71	0
Isopropylbenzene	2.721	2.433	-	10.6	20	78	0
4-Bromofluorobenzene	0.759	0.719	-	5.3	20	81	0
Bromobenzene	0.783	0.684	-	12.6	20	77	0
n-Propylbenzene	3.135	2.884	-	8	20	81	0
1,4-Dichlorobutane	0.767	0.66	-	14	20	78	0
1,1,2,2-Tetrachloroethane	0.704	0.656	-	6.8	20	80	0
4-Ethyltoluene	2.652	2.361	-	11	20	78	0
2-Chlorotoluene	2.12	1.922	-	9.3	20	79	0
1,3,5-Trimethylbenzene	2.295	1.954	-	14.9	20	76	0
1,2,3-Trichloropropane	0.601	0.52	-	13.5	20	78	0
trans-1,4-Dichloro-2-buten	0.186	0.173	-	7	20	82	0
4-Chlorotoluene	1.898	1.737	-	8.5	20	80	0
tert-Butylbenzene	2.07	1.814	-	12.4	20	78	0
1,2,4-Trimethylbenzene	2.276	1.959	-	13.9	20	77	0
sec-Butylbenzene	2.941	2.698	-	8.3	20	81	0
p-Isopropyltoluene	2.659	2.321	-	12.7	20	78	0
1,3-Dichlorobenzene	1.513	1.331	-	12	20	79	0
1,4-Dichlorobenzene	1.532	1.314	-	14.2	20	76	0
p-Diethylbenzene	1.582	1.37	-	13.4	20	78	-.01

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/19/22 19:02	
Lab File ID	: V08221119N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1714899-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.212	2.05	-	7.3	20	83	0
1,2-Dichlorobenzene	1.488	1.282	-	13.8	20	77	0
1,2,4,5-Tetramethylbenzene	2.47	1.947	-	21.2*	20	74	0
1,2-Dibromo-3-chloropropan	0.147	0.115	-	21.8*	20	68	0
1,3,5-Trichlorobenzene	1.108	0.955	-	13.8	20	80	0
Hexachlorobutadiene	0.465	0.375	-	19.4	20	72	0
1,2,4-Trichlorobenzene	1.05	0.894	-	14.9	20	76	0
Naphthalene	2.791	2.337	-	16.3	20	75	0
1,2,3-Trichlorobenzene	1.054	0.873	-	17.2	20	75	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA130		**Calibration Date**	: 11/20/22 08:16	
Lab File ID	: V30221120A01		**Init. Calib. Date(s)**	: 10/12/22	10/12/22
Sample No	: WG1714939-2		**Init. Calib. Times**	: 20:17	23:12
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	92	0
Dichlorodifluoromethane	0.203	0.193	-	4.9	20	88	0
Chloromethane	0.241	0.338	-	-40.2*	20	133	0
Vinyl chloride	0.263	0.314	-	-19.4	20	115	0
Bromomethane	0.161	0.108	-	32.9*	20	71	0
Chloroethane	0.207	0.198	-	4.3	20	96	0
Trichlorofluoromethane	0.44	0.381	-	13.4	20	82	0
Ethyl ether	0.114	0.076	-	33.3*	20	65	0
1,1-Dichloroethene	0.256	0.216	-	15.6	20	80	0
Carbon disulfide	0.634	0.424	-	33.1*	20	64	0
Freon-113	0.272	0.228	-	16.2	20	80	0
Methylene chloride	0.225	0.257	-	-14.2	20	113	0
Acetone	10	8.46	-	15.4	20	75	-.01
trans-1,2-Dichloroethene	0.215	0.259	-	-20.5*	20	118	0
Methyl acetate	0.094	0.1	-	-6.4	20	102	0
Methyl tert-butyl ether	0.344	0.287	-	16.6	20	89	0
tert-Butyl alcohol	0.00715	0.00349*	-	51.2*	20	52	0
Diisopropyl ether	0.61	0.711	-	-16.6	20	135	-.01
1,1-Dichloroethane	0.41	0.528	-	-28.8*	20	124	0
Halothane	0.168	0.202	-	-20.2*	20	110	-.01
Acrylonitrile	0.049	0.054	-	-10.2	20	111	0
Ethyl tert-butyl ether	0.507	0.464	-	8.5	20	111	0
Vinyl acetate	0.352	0.329	-	6.5	20	114	0
cis-1,2-Dichloroethene	0.241	0.286	-	-18.7	20	116	0
2,2-Dichloropropane	0.248	0.303	-	-22.2*	20	125	-.01
Bromochloromethane	0.117	0.125	-	-6.8	20	103	0
Cyclohexane	0.42	0.507	-	-20.7*	20	128	0
Chloroform	0.403	0.469	-	-16.4	20	114	0
Ethyl acetate	0.111	0.104	-	6.3	20	105	0
Carbon tetrachloride	0.316	0.347	-	-9.8	20	105	0
Tetrahydrofuran	0.032	0.03	-	6.3	20	80	0
Dibromofluoromethane	0.313	0.299	-	4.5	20	89	0
1,1,1-Trichloroethane	0.331	0.365	-	-10.3	20	110	0
2-Butanone	0.049	0.053	-	-8.2	20	112	0
1,1-Dichloropropene	0.285	0.314	-	-10.2	20	115	0
Benzene	0.795	0.956	-	-20.3*	20	117	0
tert-Amyl methyl ether	10	9.197	-	8	20	104	-.01
1,2-Dichloroethane-d4	0.316	0.283	-	10.4	20	82	0
1,2-Dichloroethane	0.298	0.306	-	-2.7	20	105	0
Methyl cyclohexane	0.376	0.362	-	3.7	20	111	0
Trichloroethene	0.214	0.261	-	-22*	20	117	0
Dibromomethane	0.124	0.124	-	0	20	99	0
1,2-Dichloropropane	0.22	0.264	-	-20	20	120	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA130		**Calibration Date**	: 11/20/22 08:16	
Lab File ID	: V30221120A01		**Init. Calib. Date(s)**	: 10/12/22	10/12/22
Sample No	: WG1714939-2		**Init. Calib. Times**	: 20:17	23:12
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.31	0.321	-	-3.5	20	103	0
1,4-Dioxane	0.00091	0.00039*	-	57.1*	20	44	0
cis-1,3-Dichloropropene	0.302	0.3	-	0.7	20	110	0
Chlorobenzene-d5	1	1	-	0	20	95	0
Toluene-d8	1.247	1.254	-	-0.6	20	93	0
Toluene	0.664	0.792	-	-19.3	20	123	0
4-Methyl-2-pentanone	0.052	0.047	-	9.6	20	110	0
Tetrachloroethene	0.288	0.325	-	-12.8	20	116	0
trans-1,3-Dichloropropene	10	8.968	-	10.3	20	111	0
Ethyl methacrylate	0.183	0.16	-	12.6	20	97	0
1,1,2-Trichloroethane	0.165	0.159*	-	3.6	20	99	0
Chlorodibromomethane	0.276	0.261	-	5.4	20	98	0
1,3-Dichloropropane	0.349	0.342	-	2	20	103	0
1,2-Dibromoethane	0.193	0.184*	-	4.7	20	101	0
2-Hexanone	0.082	0.077	-	6.1	20	105	0
Chlorobenzene	0.762	0.884	-	-16	20	121	0
Ethylbenzene	1.262	1.483	-	-17.5	20	123	0
1,1,1,2-Tetrachloroethane	0.273	0.28	-	-2.6	20	115	0
p/m Xylene	0.507	0.616	-	-21.5*	20	125	0
o Xylene	0.489	0.573	-	-17.2	20	123	0
Styrene	0.82	0.936	-	-14.1	20	118	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	100	0
Bromoform	0.301	0.238	-	20.9*	20	96	0
Isopropylbenzene	2.359	2.749	-	-16.5	20	125	0
4-Bromofluorobenzene	0.795	0.841	-	-5.8	20	104	0
Bromobenzene	0.591	0.63	-	-6.6	20	115	0
n-Propylbenzene	2.89	3.455	-	-19.6	20	127	0
1,4-Dichlorobutane	0.619	0.606	-	2.1	20	116	0
1,1,2,2-Tetrachloroethane	0.412	0.359	-	12.9	20	97	0
4-Ethyltoluene	2.385	2.899	-	-21.6*	20	131	0
2-Chlorotoluene	1.97	2.379	-	-20.8*	20	131	0
1,3,5-Trimethylbenzene	2.1	2.447	-	-16.5	20	139	0
1,2,3-Trichloropropane	0.32	0.282	-	11.9	20	97	0
trans-1,4-Dichloro-2-buten	0.126	0.114	-	9.5	20	101	0
4-Chlorotoluene	1.726	2.117	-	-22.7*	20	130	0
tert-Butylbenzene	1.92	2.112	-	-10	20	126	0
1,2,4-Trimethylbenzene	2.059	2.388	-	-16	20	139	0
sec-Butylbenzene	10	10.724	-	-7.2	20	125	0
p-Isopropyltoluene	10	10.567	-	-5.7	20	129	0
1,3-Dichlorobenzene	1.22	1.392	-	-14.1	20	123	0
1,4-Dichlorobenzene	1.207	1.382	-	-14.5	20	124	0
p-Diethylbenzene	1.507	1.634	-	-8.4	20	134	0
n-Butylbenzene	10	10.572	-	-5.7	20	130	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA130		**Calibration Date**	: 11/20/22 08:16	
Lab File ID	: V30221120A01		**Init. Calib. Date(s)**	: 10/12/22	10/12/22
Sample No	: WG1714939-2		**Init. Calib. Times**	: 20:17	23:12
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichlorobenzene	1.107	1.235	-	-11.6	20	121	0
1,2,4,5-Tetramethylbenzene	10	10.654	-	-6.5	20	134	0
1,2-Dibromo-3-chloropropan	0.062	0.053	-	14.5	20	92	0
1,3,5-Trichlorobenzene	0.924	0.982	-	-6.3	20	120	0
Hexachlorobutadiene	0.394	0.409	-	-3.8	20	114	0
1,2,4-Trichlorobenzene	0.788	0.77	-	2.3	20	112	0
Naphthalene	1.389	1.22	-	12.2	20	99	0
1,2,3-Trichlorobenzene	0.72	0.68	-	5.6	20	103	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA116		**Calibration Date**	: 11/20/22 08:28	
Lab File ID	: V16221120A01		**Init. Calib. Date(s)**	: 11/12/22	11/12/22
Sample No	: WG1714765-2		**Init. Calib. Times**	: 14:00	17:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	74	0
Dichlorodifluoromethane	0.238	0.193	-	18.9	20	55	0
Chloromethane	0.355	0.319	-	10.1	20	64	0
Vinyl chloride	0.33	0.31	-	6.1	20	63	0
Bromomethane	0.209	0.14	-	33*	20	47	0
Chloroethane	0.206	0.207	-	-0.5	20	70	0
Trichlorofluoromethane	0.377	0.37	-	1.9	20	66	0
Ethyl ether	0.109	0.103	-	5.5	20	67	0
1,1-Dichloroethene	0.229	0.21	-	8.3	20	64	0
Carbon disulfide	0.447	0.425	-	4.9	20	67	0
Freon-113	0.257	0.241	-	6.2	20	65	0
Acrolein	0.041	0.035	-	14.6	20	61	0
Methylene chloride	0.265	0.273	-	-3	20	75	0
Acetone	10	8.584	-	14.2	20	63	0
trans-1,2-Dichloroethene	0.255	0.255	-	0	20	70	0
Methyl acetate	0.163	0.161	-	1.2	20	68	0
Methyl tert-butyl ether	0.565	0.512	-	9.4	20	63	0
tert-Butyl alcohol	0.019	0.017	-	10.5	20	62	0
Diisopropyl ether	1.082	1.051	-	2.9	20	67	0
1,1-Dichloroethane	0.552	0.565	-	-2.4	20	71	0
Halothane	0.198	0.189	-	4.5	20	66	0
Acrylonitrile	0.078	0.076	-	2.6	20	67	0
Ethyl tert-butyl ether	0.927	0.847	-	8.6	20	64	0
Vinyl acetate	0.592	0.619	-	-4.6	20	73	0
cis-1,2-Dichloroethene	0.284	0.286	-	-0.7	20	71	0
2,2-Dichloropropane	0.399	0.395	-	1	20	69	0
Bromochloromethane	0.118	0.132	-	-11.9	20	76	0
Cyclohexane	0.623	0.531	-	14.8	20	58	0
Chloroform	0.497	0.518	-	-4.2	20	73	0
Ethyl acetate	0.263	0.224	-	14.8	20	62	0
Carbon tetrachloride	0.383	0.364	-	5	20	66	0
Tetrahydrofuran	0.085	0.066	-	22.4*	20	54	0
Dibromofluoromethane	0.27	0.276	-	-2.2	20	77	0
1,1,1-Trichloroethane	0.412	0.388	-	5.8	20	66	0
2-Butanone	0.109	0.097	-	11	20	66	0
1,1-Dichloropropene	0.375	0.351	-	6.4	20	65	0
Benzene	1.055	1.085	-	-2.8	20	71	0
tert-Amyl methyl ether	0.674	0.588	-	12.8	20	61	0
1,2-Dichloroethane-d4	0.328	0.322	-	1.8	20	74	0
1,2-Dichloroethane	0.386	0.384	-	0.5	20	72	0
Methyl cyclohexane	0.512	0.402	-	21.5*	20	55	0
Trichloroethene	0.289	0.274	-	5.2	20	67	0
Dibromomethane	0.148	0.153	-	-3.4	20	71	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA116		**Calibration Date**	: 11/20/22 08:28	
Lab File ID	: V16221120A01		**Init. Calib. Date(s)**	: 11/12/22	11/12/22
Sample No	: WG1714765-2		**Init. Calib. Times**	: 14:00	17:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.332	0.322	-	3	20	65	0
Bromodichloromethane	0.329	0.339	-	-3	20	74	0
1,4-Dioxane	0.00156	0.00157*	-	-0.6	20	73	0
cis-1,3-Dichloropropene	0.478	0.462	-	3.3	20	69	0
Chlorobenzene-d5	1	1	-	0	20	76	0
Toluene-d8	1.292	1.274	-	1.4	20	75	0
Toluene	0.863	0.835	-	3.2	20	70	0
4-Methyl-2-pentanone	0.109	0.083	-	23.9*	20	57	0
Tetrachloroethene	0.376	0.339	-	9.8	20	65	0
trans-1,3-Dichloropropene	0.509	0.466	-	8.4	20	66	0
Ethyl methacrylate	0.361	0.287	-	20.5*	20	58	0
1,1,2-Trichloroethane	0.228	0.221	-	3.1	20	70	0
Chlorodibromomethane	0.33	0.318	-	3.6	20	69	0
1,3-Dichloropropane	0.485	0.468	-	3.5	20	69	0
1,2-Dibromoethane	0.27	0.253	-	6.3	20	68	0
2-Hexanone	0.21	0.146	-	30.5*	20	52	0
Chlorobenzene	0.936	0.927	-	1	20	72	0
Ethylbenzene	1.672	1.554	-	7.1	20	67	0
1,1,1,2-Tetrachloroethane	0.336	0.329	-	2.1	20	71	0
p/m Xylene	0.632	0.599	-	5.2	20	69	0
o Xylene	0.583	0.552	-	5.3	20	68	0
Styrene	0.962	0.936	-	2.7	20	70	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
Bromoform	0.4	0.339	-	15.3	20	67	0
Isopropylbenzene	3.317	2.841	-	14.4	20	64	0
4-Bromofluorobenzene	0.945	0.874	-	7.5	20	74	0
Bromobenzene	0.723	0.659	-	8.9	20	71	0
n-Propylbenzene	3.755	3.178	-	15.4	20	65	0
1,4-Dichlorobutane	1.044	0.878	-	15.9	20	66	0
1,1,2,2-Tetrachloroethane	0.592	0.549	-	7.3	20	71	0
4-Ethyltoluene	3.014	2.564	-	14.9	20	65	0
2-Chlorotoluene	2.488	2.238	-	10	20	69	0
1,3,5-Trimethylbenzene	2.602	2.221	-	14.6	20	65	0
1,2,3-Trichloropropane	0.494	0.438	-	11.3	20	68	0
trans-1,4-Dichloro-2-buten	0.209	0.19	-	9.1	20	72	0
4-Chlorotoluene	2.215	2.026	-	8.5	20	69	0
tert-Butylbenzene	2.224	1.776	-	20.1*	20	62	0
1,2,4-Trimethylbenzene	2.543	2.198	-	13.6	20	67	0
sec-Butylbenzene	2.391	1.888	-	21*	20	63	0
p-Isopropyltoluene	2.818	2.253	-	20	20	61	0
1,3-Dichlorobenzene	1.402	1.29	-	8	20	71	0
1,4-Dichlorobenzene	1.402	1.284	-	8.4	20	71	0
p-Diethylbenzene	1.68	1.318	-	21.5*	20	61	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA116		**Calibration Date**	: 11/20/22 08:28	
Lab File ID	: V16221120A01		**Init. Calib. Date(s)**	: 11/12/22	11/12/22
Sample No	: WG1714765-2		**Init. Calib. Times**	: 14:00	17:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.554	1.987	-	22.2*	20	60	0
1,2-Dichlorobenzene	1.279	1.168	-	8.7	20	71	0
1,2,4,5-Tetramethylbenzene	2.46	1.927	-	21.7*	20	61	0
1,2-Dibromo-3-chloropropan	0.096	0.075	-	21.9*	20	63	0
1,3,5-Trichlorobenzene	1.001	0.806	-	19.5	20	63	0
Hexachlorobutadiene	0.39	0.27	-	30.8*	20	56	0
1,2,4-Trichlorobenzene	0.887	0.698	-	21.3*	20	61	0
Naphthalene	1.809	1.441	-	20.3*	20	61	0
1,2,3-Trichlorobenzene	0.778	0.609	-	21.7*	20	62	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/21/22 18:15	
Lab File ID	: V08221121N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1715252-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	81	0
Dichlorodifluoromethane	0.187	0.154	-	17.6	20	66	0
Chloromethane	0.21	0.186	-	11.4	20	72	-.01
Vinyl chloride	0.226	0.228	-	-0.9	20	79	0
Bromomethane	0.22	0.191	-	13.2	20	77	0
Chloroethane	0.231	0.476	-	-106.1*	20	167	0
Trichlorofluoromethane	0.504	0.508	-	-0.8	20	82	0
Ethyl ether	0.164	0.166	-	-1.2	20	84	0
1,1-Dichloroethene	0.298	0.295	-	1	20	82	0
Carbon disulfide	0.517	0.523	-	-1.2	20	84	0
Freon-113	0.306	0.313	-	-2.3	20	84	0
Acrolein	0.038	0.037	-	2.6	20	86	0
Methylene chloride	0.253	0.228	-	9.9	20	76	0
Acetone	0.07	0.066	-	5.7	20	78	0
trans-1,2-Dichloroethene	0.242	0.217	-	10.3	20	74	0
Methyl acetate	0.174	0.146	-	16.1	20	73	-.01
Methyl tert-butyl ether	0.647	0.526	-	18.7	20	67	0
tert-Butyl alcohol	0.03	0.024	-	20	20	71	-.01
Diisopropyl ether	0.675	0.557	-	17.5	20	69	0
1,1-Dichloroethane	0.39	0.37	-	5.1	20	77	-.01
Halothane	0.198	0.182	-	8.1	20	76	-.01
Acrylonitrile	0.077	0.076	-	1.3	20	82	0
Ethyl tert-butyl ether	0.706	0.575	-	18.6	20	68	-.01
Vinyl acetate	0.466	0.445	-	4.5	20	81	-.01
cis-1,2-Dichloroethene	0.279	0.26	-	6.8	20	76	0
2,2-Dichloropropane	0.363	0.323	-	11	20	76	-.01
Bromochloromethane	0.154	0.147	-	4.5	20	77	0
Cyclohexane	0.335	0.293	-	12.5	20	74	0
Chloroform	0.445	0.423	-	4.9	20	79	-.02
Ethyl acetate	0.237	0.198	-	16.5	20	69	-.01
Carbon tetrachloride	0.353	0.313	-	11.3	20	73	-.01
Tetrahydrofuran	0.077	0.056	-	27.3*	20	62	0
Dibromofluoromethane	0.293	0.301	-	-2.7	20	83	-.01
1,1,1-Trichloroethane	0.39	0.347	-	11	20	74	0
2-Butanone	0.116	0.101	-	12.9	20	75	-.02
1,1-Dichloropropene	0.311	0.272	-	12.5	20	73	0
Benzene	0.931	0.861	-	7.5	20	76	-.01
tert-Amyl methyl ether	0.741	0.554	-	25.2*	20	65	0
1,2-Dichloroethane-d4	0.309	0.325	-	-5.2	20	85	-.01
1,2-Dichloroethane	0.348	0.338	-	2.9	20	82	-.01
Methyl cyclohexane	0.389	0.324	-	16.7	20	71	-.01
Trichloroethene	0.271	0.242	-	10.7	20	72	0
Dibromomethane	0.185	0.173	-	6.5	20	77	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244		
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA		
Instrument ID	: VOA108	**Calibration Date**	: 11/21/22 18:15		
Lab File ID	: V08221121N01	**Init. Calib. Date(s)**	: 11/10/22	11/10/22	
Sample No	: WG1715252-2	**Init. Calib. Times**	: 17:38	20:39	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.235	0.23	-	2.1	20	83	0
2-Chloroethyl vinyl ether	0.158	0.123	-	22.2*	20	66	-.01
Bromodichloromethane	0.352	0.316	-	10.2	20	76	-.01
1,4-Dioxane	0.00274	0.00259*	-	5.5	20	78	-.01
cis-1,3-Dichloropropene	0.414	0.365	-	11.8	20	75	0
Chlorobenzene-d5	1	1	-	0	20	83	0
Toluene-d8	1.209	1.204	-	0.4	20	83	-.01
Toluene	0.768	0.682	-	11.2	20	76	0
4-Methyl-2-pentanone	0.111	0.088	-	20.7*	20	67	-.01
Tetrachloroethene	0.367	0.304	-	17.2	20	71	0
trans-1,3-Dichloropropene	0.478	0.409	-	14.4	20	73	-.01
Ethyl methacrylate	0.381	0.277	-	27.3*	20	63	-.01
1,1,2-Trichloroethane	0.243	0.229	-	5.8	20	79	0
Chlorodibromomethane	0.377	0.316	-	16.2	20	73	0
1,3-Dichloropropane	0.492	0.465	-	5.5	20	79	0
1,2-Dibromoethane	0.327	0.281	-	14.1	20	73	0
2-Hexanone	0.219	0.166	-	24.2*	20	66	0
Chlorobenzene	0.946	0.837	-	11.5	20	77	0
Ethylbenzene	1.473	1.262	-	14.3	20	74	0
1,1,1,2-Tetrachloroethane	0.36	0.3	-	16.7	20	74	0
p/m Xylene	0.612	0.532	-	13.1	20	77	0
o Xylene	0.583	0.503	-	13.7	20	77	0
Styrene	0.981	0.818	-	16.6	20	74	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
Bromoform	0.479	0.36	-	24.8*	20	69	0
Isopropylbenzene	2.721	2.38	-	12.5	20	75	0
4-Bromofluorobenzene	0.759	0.725	-	4.5	20	80	0
Bromobenzene	0.783	0.667	-	14.8	20	73	0
n-Propylbenzene	3.135	2.828	-	9.8	20	77	0
1,4-Dichlorobutane	0.767	0.67	-	12.6	20	78	0
1,1,2,2-Tetrachloroethane	0.704	0.677	-	3.8	20	81	0
4-Ethyltoluene	2.652	2.32	-	12.5	20	75	0
2-Chlorotoluene	2.12	1.916	-	9.6	20	77	0
1,3,5-Trimethylbenzene	2.295	1.971	-	14.1	20	75	0
1,2,3-Trichloropropane	0.601	0.519	-	13.6	20	76	0
trans-1,4-Dichloro-2-buten	0.186	0.167	-	10.2	20	78	0
4-Chlorotoluene	1.898	1.699	-	10.5	20	77	0
tert-Butylbenzene	2.07	1.745	-	15.7	20	73	0
1,2,4-Trimethylbenzene	2.276	1.904	-	16.3	20	73	0
sec-Butylbenzene	2.941	2.615	-	11.1	20	77	0
p-Isopropyltoluene	2.659	2.249	-	15.4	20	74	0
1,3-Dichlorobenzene	1.513	1.311	-	13.4	20	76	0
1,4-Dichlorobenzene	1.532	1.348	-	12	20	76	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/21/22 18:15	
Lab File ID	: V08221121N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1715252-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.582	1.282	-	19	20	72	0
n-Butylbenzene	2.212	2.029	-	8.3	20	80	0
1,2-Dichlorobenzene	1.488	1.321	-	11.2	20	77	0
1,2,4,5-Tetramethylbenzene	2.47	1.857	-	24.8*	20	69	0
1,2-Dibromo-3-chloropropan	0.147	0.124	-	15.6	20	72	0
1,3,5-Trichlorobenzene	1.108	0.941	-	15.1	20	77	0
Hexachlorobutadiene	0.465	0.381	-	18.1	20	72	0
1,2,4-Trichlorobenzene	1.05	0.899	-	14.4	20	75	0
Naphthalene	2.791	2.455	-	12	20	77	0
1,2,3-Trichlorobenzene	1.054	0.877	-	16.8	20	74	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-2
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
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	141	0.00
2	TP	Dichlorodifluoromethane	0.242	0.228	5.8	136	0.00
3	TP	Chloromethane	0.285	0.193	32.3#	101	0.00
4	TC	Vinyl chloride	0.265	0.276	-4.2	146	0.00
5	TP	Bromomethane	0.156	0.040	74.4#	48#	0.00
6	TP	Chloroethane	0.158	0.172	-8.9	149	0.00
7	TP	Trichlorofluoromethane	0.345	0.391	-13.3	164	0.00
8	TP	Ethyl ether	0.089	0.089	0.0	144	0.00
10	TC	1,1-Dichloroethene	0.208	0.231	-11.1	163	0.00
11	TP	Carbon disulfide	0.524	0.439	16.2	128	0.00
12	TP	Freon-113	0.231	0.255	-10.4	159	0.00
14	TP	Acrolein	0.027	0.022	18.5	115	0.00
15	TP	Methylene chloride	0.226	0.248	-9.7	169	0.00
17	TP	Acetone	0.054	0.039	27.8#	114	0.00
18	TP	trans-1,2-Dichloroethene	0.223	0.256	-14.8	168	0.00
19	TP	Methyl acetate	0.111	0.093	16.2	122	0.00
20	TP	Methyl tert-butyl ether	0.456	0.449	1.5	144	0.00
21	TP	tert-Butyl alcohol	0.01301	0.00929#	28.6#	97	0.00
22	TP	Diisopropyl ether	0.800	0.877	-9.6	158	0.00
23	TP	1,1-Dichloroethane	0.430	0.486	-13.0	164	0.00
24	TP	Halothane	0.175	0.187	-6.9	153	0.00
25	TP	Acrylonitrile	0.053	0.044	17.0	125	0.00
26	TP	Ethyl tert-butyl ether	0.659	0.681	-3.3	151	0.00
27	TP	Vinyl acetate	0.413	0.397	3.9	131	0.00
28	TP	cis-1,2-Dichloroethene	0.244	0.275	-12.7	169	0.00
29	TP	2,2-Dichloropropane	0.331	0.395	-19.3	171	0.00
30	TP	Bromochloromethane	0.107	0.115	-7.5	149	0.00
31	TP	Cyclohexane	0.468	0.528	-12.8	163	0.00
32	TC	Chloroform	0.381	0.445	-16.8	173	0.00
33	TP	Ethyl acetate	0.164	0.133	18.9	118	0.00
34	TP	Carbon tetrachloride	0.329	0.372	-13.1	165	0.00
35	TP	Tetrahydrofuran	0.048	0.039	18.8	120	0.00
36	S	Dibromofluoromethane	0.269	0.260	3.3	138	0.00
37	TP	1,1,1-Trichloroethane	0.353	0.410	-16.1	170	0.00
39	TP	2-Butanone	0.067	0.048	28.4#	117	0.00
40	TP	1,1-Dichloropropene	0.304	0.365	-20.1#	172	0.00
41	TP	Benzene	0.882	1.003	-13.7	167	0.00
42	TP	tert-Amyl methyl ether	0.495	0.509	-2.8	150	-0.01
43	S	1,2-Dichloroethane-d4	0.295	0.283	4.1	138	0.00

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-2
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
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	0.286	0.296	-3.5	153	0.00
47	TP	Methyl cyclohexane	0.391	0.455	-16.4	169	0.00
48	TP	Trichloroethene	0.256	0.272	-6.3	171	0.00
50	TP	Dibromomethane	0.118	0.120	-1.7	150	0.00
51	TC	1,2-Dichloropropane	0.244	0.270	-10.7	163	0.00
54	TP	Bromodichloromethane	0.293	0.317	-8.2	162	0.00
57	TP	1,4-Dioxane	0.00123	0.00080#	35.0#	95	0.00
58	TP	cis-1,3-Dichloropropene	0.347	0.383	-10.4	163	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	146	0.00
60	S	Toluene-d8	1.276	1.298	-1.7	146	0.00
61	TC	Toluene	0.732	0.791	-8.1	160	0.00
62	TP	4-Methyl-2-pentanone	0.072	0.062	13.9	124	0.00
63	TP	Tetrachloroethene	0.322	0.371	-15.2	171	0.00
65	TP	trans-1,3-Dichloropropene	0.371	0.381	-2.7	154	0.00
67	TP	Ethyl methacrylate	0.282	0.246	12.8	138	0.00
68	TP	1,1,2-Trichloroethane	0.171	0.179#	-4.7	153	0.00
69	TP	Chlorodibromomethane	0.266	0.262	1.5	151	0.00
70	TP	1,3-Dichloropropane	0.358	0.377	-5.3	156	0.00
71	TP	1,2-Dibromoethane	0.206	0.203	1.5	147	0.00
72	TP	2-Hexanone	0.128	0.102	20.3#	122	-0.01
73	TP	Chlorobenzene	0.823	0.877	-6.6	161	0.00
74	TC	Ethylbenzene	1.390	1.530	-10.1	165	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.289	0.302	-4.5	159	-0.01
76	TP	p/m Xylene	0.551	0.601	-9.1	164	0.00
77	TP	o Xylene	0.524	0.545	-4.0	157	0.00
78	TP	Styrene	0.847	0.846	0.1	152	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	150	0.00
80	TP	Bromoform	0.284	0.261	8.1	143	0.00
82	TP	Isopropylbenzene	2.634	2.749	-4.4	161	0.00
83	S	4-Bromofluorobenzene	0.895	0.934	-4.4	157	0.00
84	TP	Bromobenzene	0.615	0.640	-4.1	163	0.00
85	TP	n-Propylbenzene	2.993	3.171	-5.9	165	0.00
86	TP	1,4-Dichlorobutane	0.722	0.628	13.0	135	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.426	0.400	6.1	143	0.00
88	TP	4-Ethyltoluene	2.505	2.585	-3.2	161	0.00
89	TP	2-Chlorotoluene	1.743	1.842	-5.7	166	0.00
90	TP	1,3,5-Trimethylbenzene	2.111	2.167	-2.7	161	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-2
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
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	0.358	0.330	7.8	144	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.134	0.099	26.1#	117	0.00
93 TP	4-Chlorotoluene	1.791	1.876	-4.7	166	0.00
94 TP	tert-Butylbenzene	1.795	1.923	-7.1	167	0.00
97 TP	1,2,4-Trimethylbenzene	2.040	2.107	-3.3	163	0.00
98 TP	sec-Butylbenzene	2.496	2.588	-3.7	161	0.00
99 TP	p-Isopropyltoluene	2.141	2.288	-6.9	167	0.00
100 TP	1,3-Dichlorobenzene	1.134	1.160	-2.3	162	0.00
101 TP	1,4-Dichlorobenzene	1.155	1.169	-1.2	162	0.00
102 TP	p-Diethylbenzene	1.204	1.286	-6.8	168	0.00
103 TP	n-Butylbenzene	1.663	1.790	-7.6	170	0.00
104 TP	1,2-Dichlorobenzene	1.008	1.011	-0.3	159	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.617	1.709	-5.7	168	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	7.649	23.5#	125	0.00
107 TP	1,3,5-Trichlorobenzene	0.582	0.643	-10.5	176	0.00
108 TP	Hexachlorobutadiene	0.207	0.267	-29.0#	208#	0.00
109 TP	1,2,4-Trichlorobenzene	0.463	0.459	0.9	160	0.00
110 TP	Naphthalene	0.933	0.677	27.4#	117	0.00
111 TP	1,2,3-Trichlorobenzene	0.324	0.280#	13.6	140	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 : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-2
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	696801	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery = 100.00%			
59) Chlorobenzene-d5	9.651	117	554627	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.334	152	298241	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.301	113	181498	9.666	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.66%			
43) 1,2-Dichloroethane-d4	5.831	65	196881	9.585	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.85%			
60) Toluene-d8	7.802	98	720114	10.173	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.73%			
83) 4-Bromofluorobenzene	11.132	95	278411	10.431	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.31%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.709	85	158958	9.421	ug/L	98
3) Chloromethane	1.902	50	134522	6.771	ug/L	99
4) Vinyl chloride	1.977	62	192172	10.426	ug/L	99
5) Bromomethane	2.300	94	27580	2.544	ug/L	97
6) Chloroethane	2.420	64	119788	10.863	ug/L	97
7) Trichlorofluoromethane	2.563	101	272590	11.330	ug/L	99
8) Ethyl ether	2.861	74	62218	10.013	ug/L	88
10) 1,1-Dichloroethene	3.059	96	161201	11.111	ug/L	97
11) Carbon disulfide	3.092	76	305877	8.375	ug/L	99
12) Freon-113	3.098	101	177996	11.071	ug/L #	68
14) Acrolein	3.374	56	15478	8.123	ug/L	95
15) Methylene chloride	3.614	84	173147	11.011	ug/L	94
17) Acetone	3.650	43	26867M1	7.143	ug/L	
18) trans-1,2-Dichloroethene	3.767	96	178077	11.483	ug/L	98
19) Methyl acetate	3.767	43	64724	8.331	ug/L	95
20) Methyl tert-butyl ether	3.854	73	313140	9.864	ug/L	97
21) tert-Butyl alcohol	3.937	59	32359	35.687	ug/L #	69
22) Diisopropyl ether	4.216	45	611063	10.959	ug/L	93
23) 1,1-Dichloroethane	4.350	63	338774	11.318	ug/L	99
24) Halothane	4.398	117	130083	10.648	ug/L	98
25) Acrylonitrile	4.389	53	30733	8.286	ug/L	93

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-2
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.562	59	474297	10.322	ug/L		93
27) Vinyl acetate	4.579	43	276416	9.601	ug/L		100
28) cis-1,2-Dichloroethene	4.866	96	191373	11.248	ug/L		98
29) 2,2-Dichloropropane	4.966	77	275565	11.940	ug/L		99
30) Bromochloromethane	5.058	128	80296	10.797	ug/L		95
31) Cyclohexane	5.070	56	367960	11.289	ug/L		94
32) Chloroform	5.128	83	310057	11.667	ug/L		97
33) Ethyl acetate	5.231	43	92841	8.130	ug/L	#	87
34) Carbon tetrachloride	5.270	117	259480	11.313	ug/L		97
35) Tetrahydrofuran	5.284	42	27457M1	8.204	ug/L		
37) 1,1,1-Trichloroethane	5.332	97	285451	11.620	ug/L		98
39) 2-Butanone	5.418	43	33651	7.246	ug/L	#	46
40) 1,1-Dichloropropene	5.454	75	254371	11.996	ug/L		98
41) Benzene	5.700	78	698985	11.375	ug/L		98
42) tert-Amyl methyl ether	5.800	73	354437	10.274	ug/L	#	87
44) 1,2-Dichloroethane	5.901	62	206118	10.345	ug/L		99
47) Methyl cyclohexane	6.285	83	316699	11.631	ug/L		94
48) Trichloroethene	6.294	95	189546	10.613	ug/L		98
50) Dibromomethane	6.740	93	83526	10.158	ug/L		96
51) 1,2-Dichloropropane	6.835	63	187931	11.064	ug/L		99
54) Bromodichloromethane	6.907	83	220692	10.822	ug/L		98
57) 1,4-Dioxane	7.119	88	27734M1	322.704	ug/L		
58) cis-1,3-Dichloropropene	7.599	75	266965	11.033	ug/L		99
61) Toluene	7.864	92	438866	10.805	ug/L		100
62) 4-Methyl-2-pentanone	8.288	58	34392	8.583	ug/L		94
63) Tetrachloroethene	8.316	166	206033	11.545	ug/L		99
65) trans-1,3-Dichloropropene	8.346	75	211332	10.276	ug/L		100
67) Ethyl methacrylate	8.533	69	136455	8.726	ug/L		99
68) 1,1,2-Trichloroethane	8.533	83	99511	10.514	ug/L		99
69) Chlorodibromomethane	8.748	129	145235	9.845	ug/L		99
70) 1,3-Dichloropropane	8.857	76	209146	10.542	ug/L		100
71) 1,2-Dibromoethane	9.024	107	112736	9.858	ug/L		100
72) 2-Hexanone	9.300	43	56754M1	8.024	ug/L		
73) Chlorobenzene	9.674	112	486432	10.653	ug/L		98
74) Ethylbenzene	9.707	91	848441	11.002	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.752	131	167543	10.462	ug/L		98
76) p/m Xylene	9.894	106	667087	21.837	ug/L		96
77) o Xylene	10.432	106	604240	20.805	ug/L		98
78) Styrene	10.496	104	938310	19.978	ug/L		100
80) Bromoform	10.527	173	77822	9.172	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-2
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Isopropylbenzene	10.811	105	819782	10.437	ug/L	100
84) Bromobenzene	11.244	156	190929	10.415	ug/L	100
85) n-Propylbenzene	11.285	91	945837	10.597	ug/L	99
86) 1,4-Dichlorobutane	11.302	55	187305	8.696	ug/L	97
87) 1,1,2,2-Tetrachloroethane	11.372	83	119369	9.401	ug/L	99
88) 4-Ethyltoluene	11.408	105	770854	10.320	ug/L	100
89) 2-Chlorotoluene	11.453	91	549316M4	10.564	ug/L	
90) 1,3,5-Trimethylbenzene	11.506	105	646288	10.264	ug/L	100
91) 1,2,3-Trichloropropane	11.509	75	98542M1	9.223	ug/L	
92) trans-1,4-Dichloro-2-b...	11.564	53	29607M1	7.416	ug/L	
93) 4-Chlorotoluene	11.634	91	559398	10.471	ug/L	99
94) tert-Butylbenzene	11.843	119	573576	10.712	ug/L	98
97) 1,2,4-Trimethylbenzene	11.921	105	628319	10.325	ug/L	100
98) sec-Butylbenzene	12.030	105	771726	10.369	ug/L	99
99) p-Isopropyltoluene	12.186	119	682327	10.688	ug/L	98
100) 1,3-Dichlorobenzene	12.256	146	345921	10.228	ug/L	99
101) 1,4-Dichlorobenzene	12.345	146	348517	10.115	ug/L	99
102) p-Diethylbenzene	12.554	119	383398	10.676	ug/L	96
103) n-Butylbenzene	12.613	91	533856	10.764	ug/L	99
104) 1,2-Dichlorobenzene	12.769	146	301479	10.031	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.346	119	509702	10.569	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.547	155	14291	7.649	ug/L	95
107) 1,3,5-Trichlorobenzene	13.575	180	191856	11.047	ug/L	99
108) Hexachlorobutadiene	14.147	225	79725	12.934	ug/L	98
109) 1,2,4-Trichlorobenzene	14.172	180	136789	9.908	ug/L	97
110) Naphthalene	14.470	128	202032	7.263	ug/L	100
111) 1,2,3-Trichlorobenzene	14.637	180	83580	8.643	ug/L	97

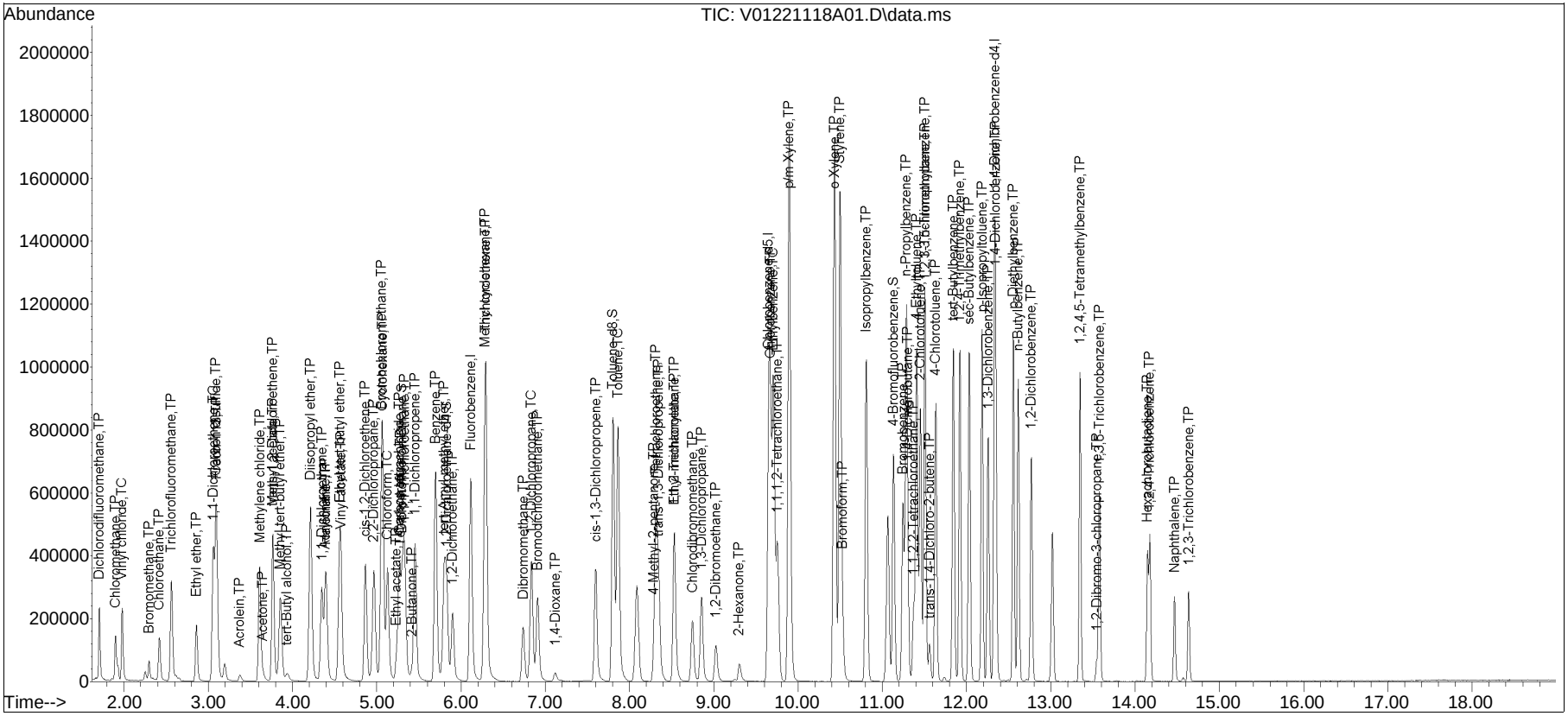
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-2
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

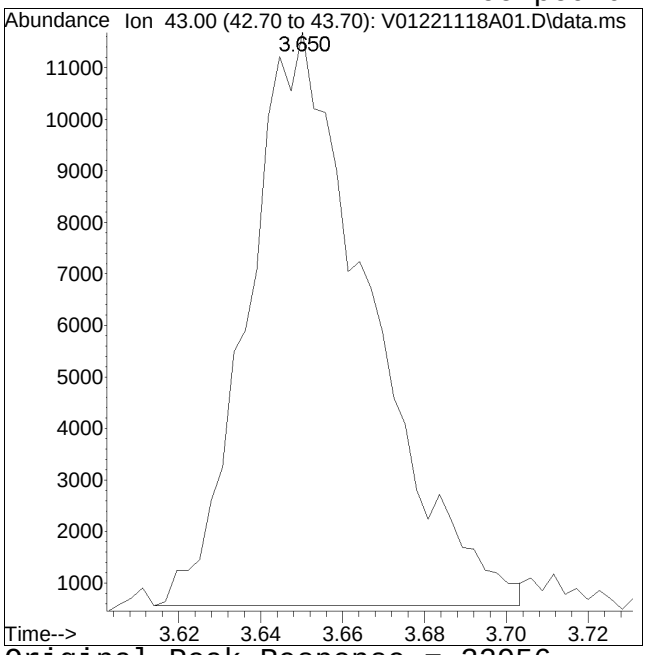
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

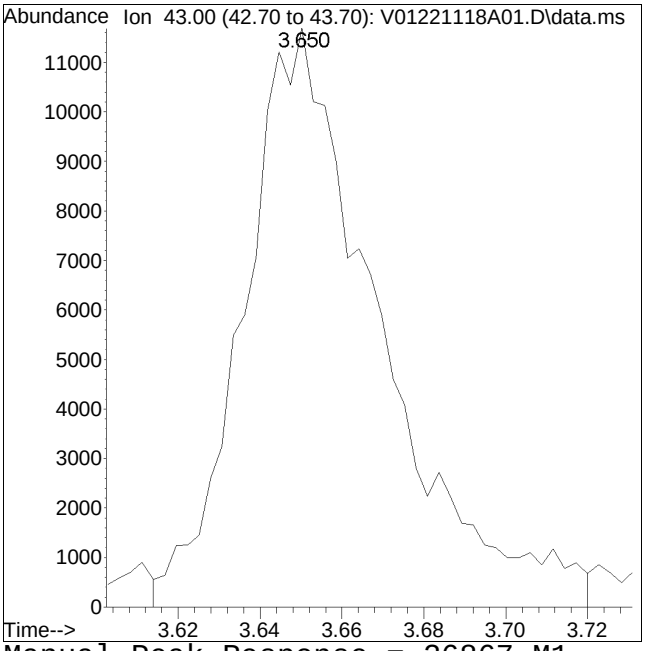


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-2 Quant Date : 11/18/2022 8:27 am

Compound #17: Acetone





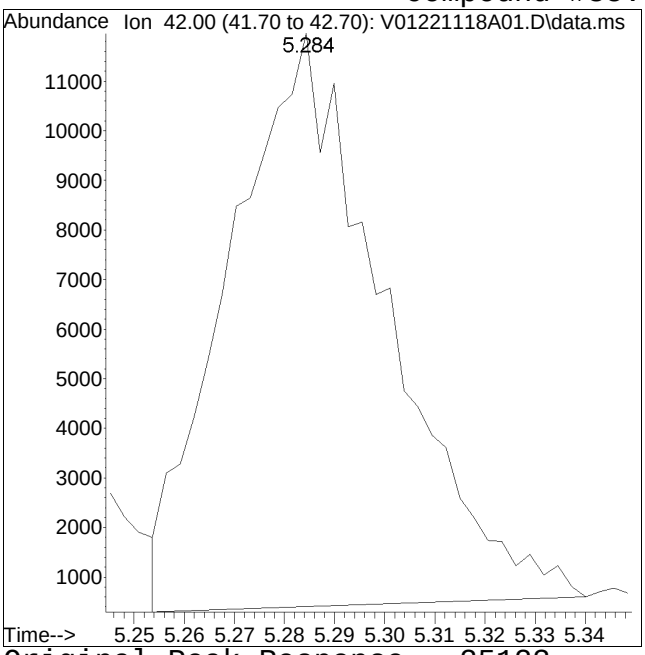
Original Peak Response = 22956 Manual Peak Response = 26867 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

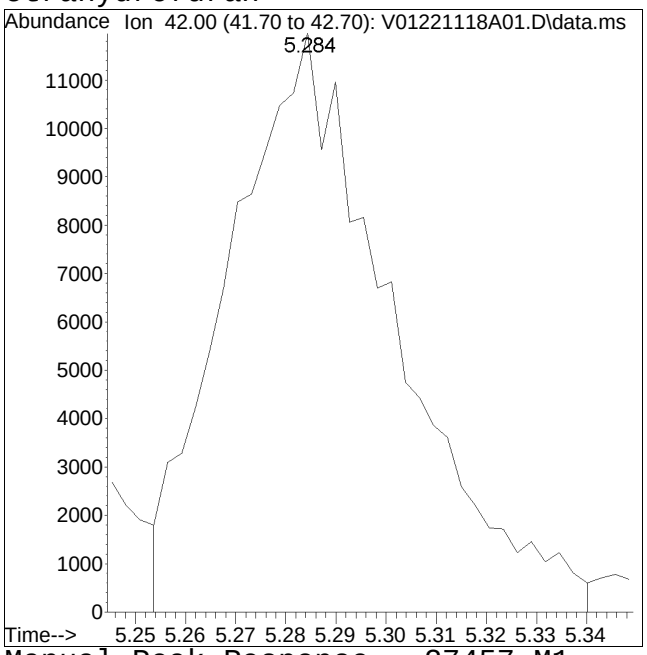
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221118A01.D
Date Inj'd : 11/18/2022 8:09 am
Sample : WG1714394-2

Method : V101_220915A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 11/18/2022 8:27 am

Compound #35: Tetrahydrofuran



Original Peak Response = 25123



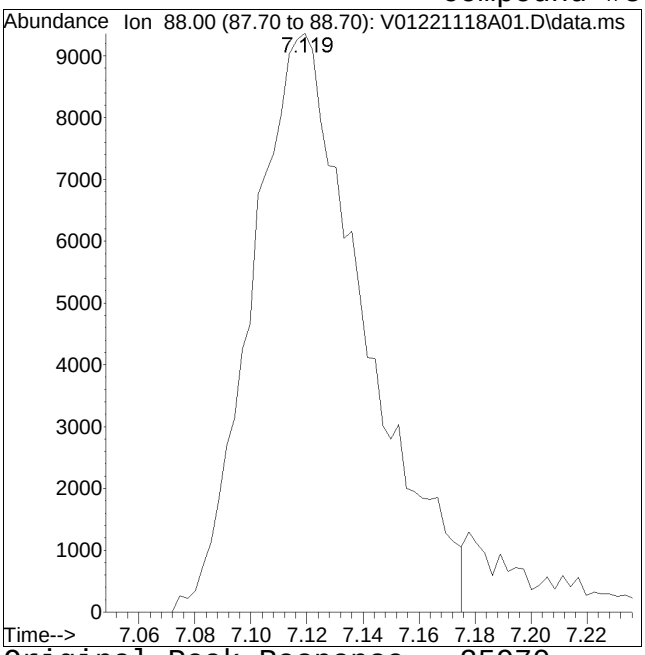
Manual Peak Response = 27457 M1

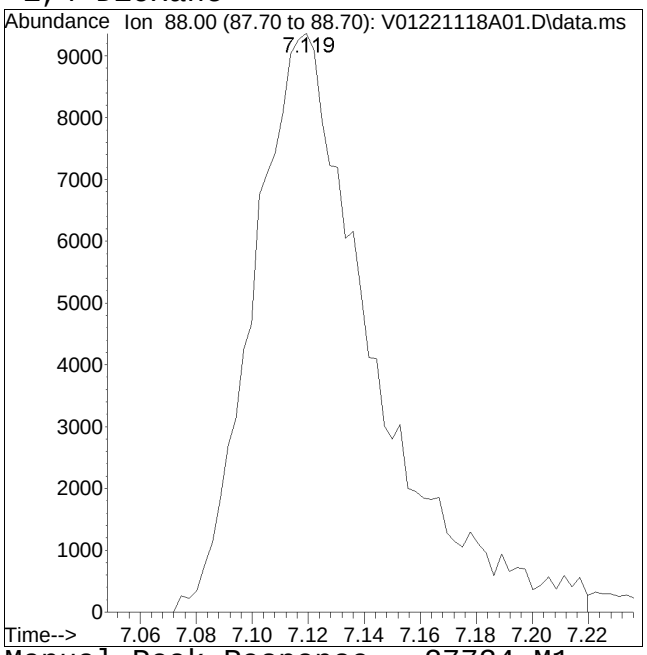
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-2 Quant Date : 11/18/2022 8:27 am

Compound #57: 1,4-Dioxane



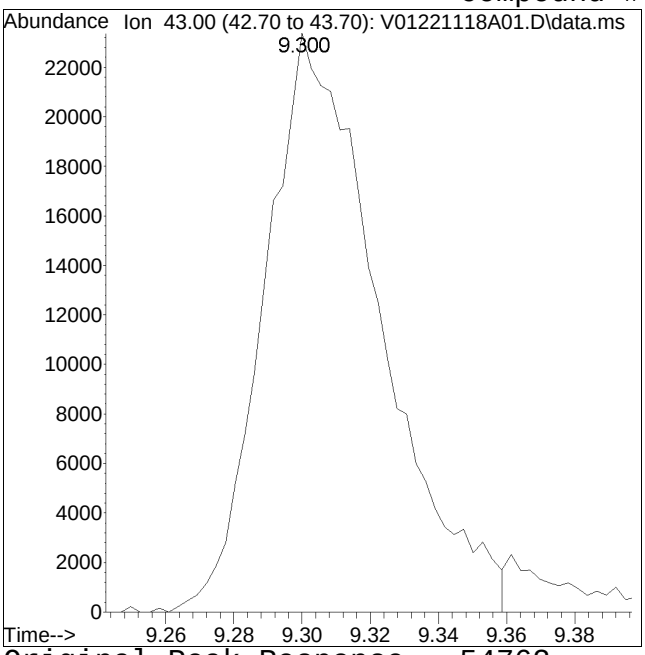


Original Peak Response = 25970 Manual Peak Response = 27734 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

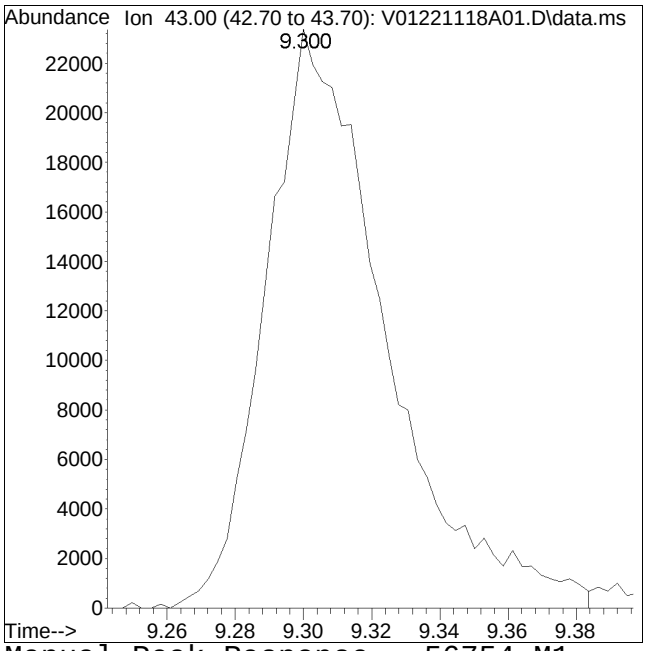
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-2 Quant Date : 11/18/2022 8:27 am

Compound #72: 2-Hexanone



Original Peak Response = 54762



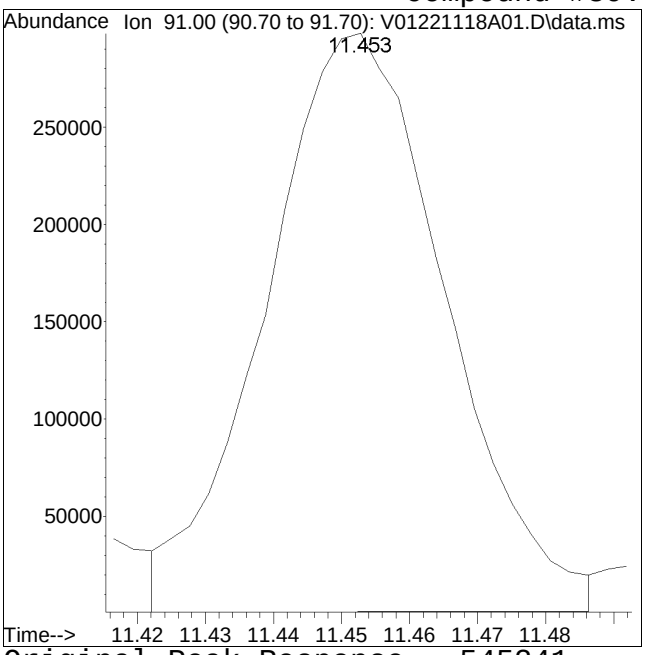
Manual Peak Response = 56754 M1

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

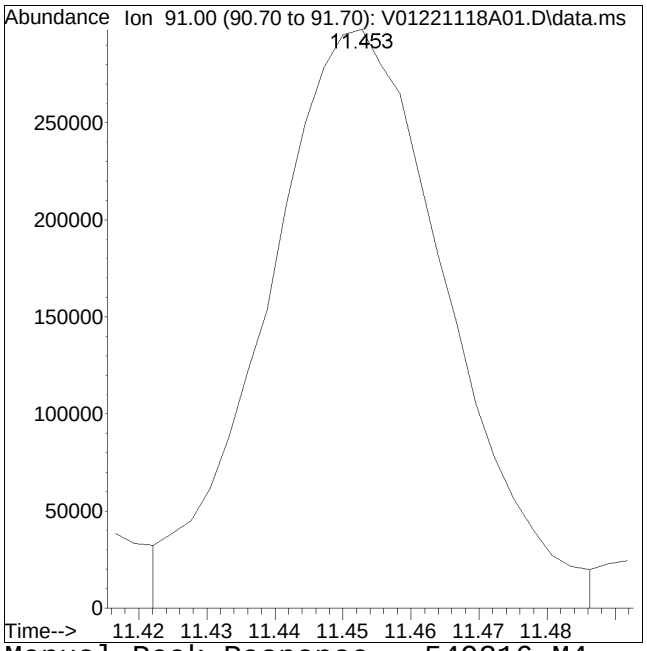
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-2 Quant Date : 11/18/2022 8:27 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 545241



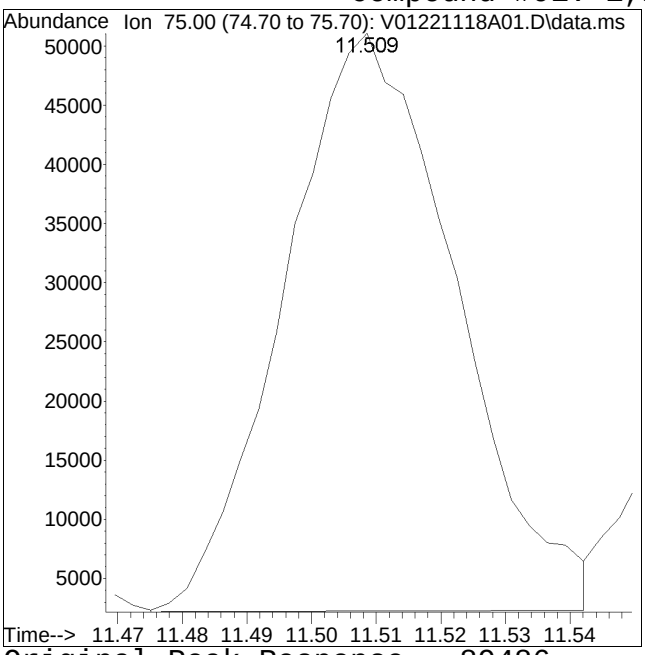
Manual Peak Response = 549316 M4

M4 = Poor automated baseline construction.

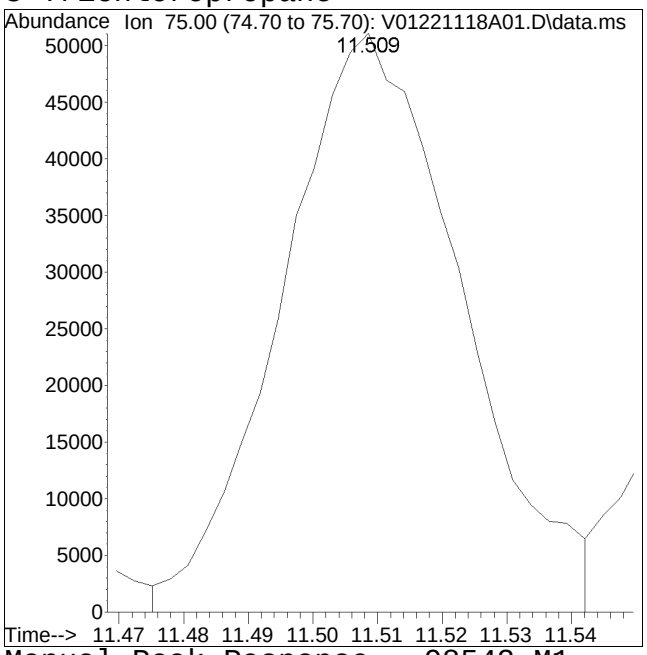
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-2 Quant Date : 11/18/2022 8:27 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 89486



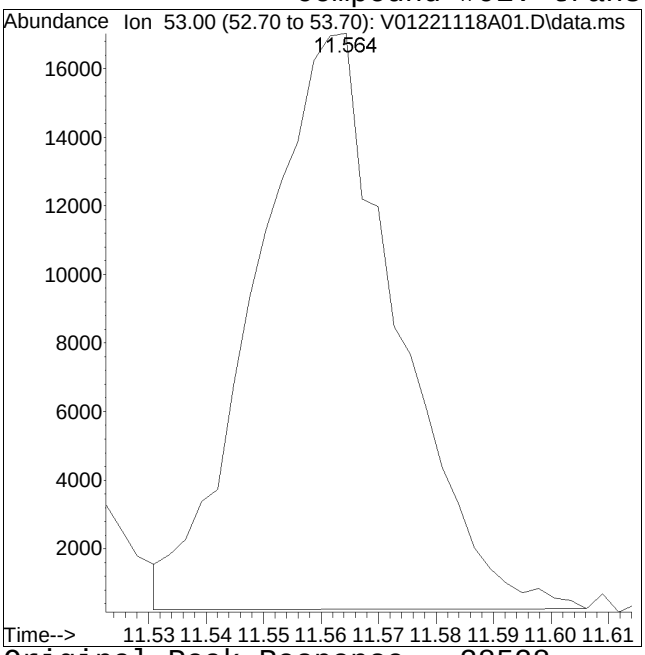
Manual Peak Response = 98542 M1

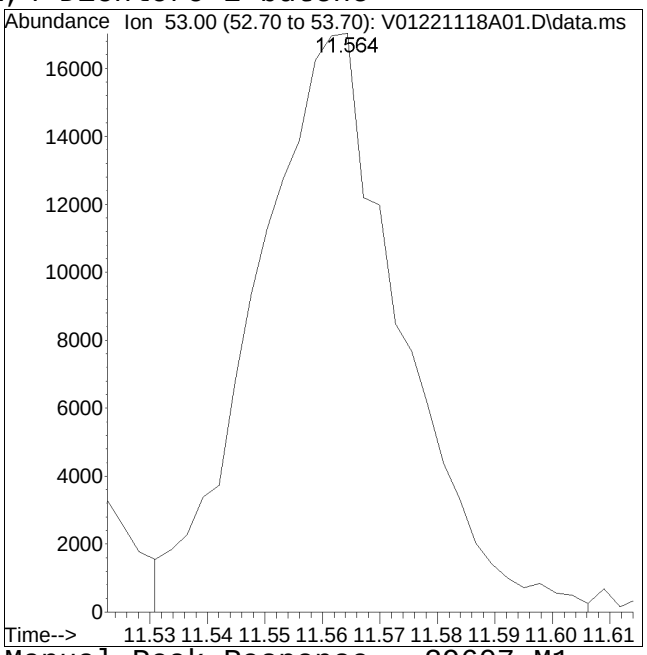
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-2 Quant Date : 11/18/2022 8:27 am

Compound #92: trans-1,4-Dichloro-2-butene





Original Peak Response = 28528 Manual Peak Response = 29607 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-2
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	84	0.00
2	TP	Dichlorodifluoromethane	0.187	0.155	17.1	69	0.00
3	TP	Chloromethane	0.210	0.187	11.0	75	-0.01
4	TC	Vinyl chloride	0.226	0.232	-2.7	82	0.00
5	TP	Bromomethane	0.220	0.196	10.9	82	0.00
6	TP	Chloroethane	0.231	0.468	-102.6#	170	0.00
7	TP	Trichlorofluoromethane	0.504	0.521	-3.4	87	0.00
8	TP	Ethyl ether	0.164	0.166	-1.2	86	0.00
10	TC	1,1-Dichloroethene	0.298	0.309	-3.7	89	0.00
11	TP	Carbon disulfide	0.517	0.545	-5.4	90	0.00
12	TP	Freon-113	0.306	0.342	-11.8	94	0.00
14	TP	Acrolein	0.038	0.039	-2.6	93	0.00
15	TP	Methylene chloride	0.253	0.222	12.3	76	0.00
17	TP	Acetone	0.070	0.061	12.9	75	0.00
18	TP	trans-1,2-Dichloroethene	0.242	0.226	6.6	80	0.00
19	TP	Methyl acetate	0.174	0.136	21.8#	70	-0.01
20	TP	Methyl tert-butyl ether	0.647	0.517	20.1#	69	-0.01
21	TP	tert-Butyl alcohol	0.030	0.023	23.3#	69	-0.01
22	TP	Diisopropyl ether	0.675	0.569	15.7	73	-0.01
23	TP	1,1-Dichloroethane	0.390	0.381	2.3	82	-0.01
24	TP	Halothane	0.198	0.176	11.1	76	-0.01
25	TP	Acrylonitrile	0.077	0.065	15.6	73	-0.01
26	TP	Ethyl tert-butyl ether	0.706	0.580	17.8	71	-0.01
27	TP	Vinyl acetate	0.466	0.435	6.7	81	-0.01
28	TP	cis-1,2-Dichloroethene	0.279	0.255	8.6	77	-0.01
29	TP	2,2-Dichloropropane	0.363	0.323	11.0	78	-0.01
30	TP	Bromochloromethane	0.154	0.143	7.1	77	0.00
31	TP	Cyclohexane	0.335	0.294	12.2	77	0.00
32	TC	Chloroform	0.445	0.407	8.5	78	-0.01
33	TP	Ethyl acetate	0.237	0.195	17.7	70	-0.01
34	TP	Carbon tetrachloride	0.353	0.306	13.3	74	-0.01
35	TP	Tetrahydrofuran	0.077	0.063	18.2	73	0.00
36	S	Dibromofluoromethane	0.293	0.300	-2.4	86	-0.01
37	TP	1,1,1-Trichloroethane	0.390	0.341	12.6	75	0.00
39	TP	2-Butanone	0.116	0.098	15.5	76	-0.01
40	TP	1,1-Dichloropropene	0.311	0.280	10.0	77	-0.01
41	TP	Benzene	0.931	0.852	8.5	78	0.00
42	TP	tert-Amyl methyl ether	0.741	0.546	26.3#	66	0.00
43	S	1,2-Dichloroethane-d4	0.309	0.313	-1.3	85	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-2
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	0.348	0.317	8.9	80	-0.01
47	TP	Methyl cyclohexane	0.389	0.339	12.9	76	0.00
48	TP	Trichloroethene	0.271	0.233	14.0	72	0.00
50	TP	Dibromomethane	0.185	0.167	9.7	76	0.00
51	TC	1,2-Dichloropropane	0.235	0.225	4.3	83	-0.01
54	TP	Bromodichloromethane	0.352	0.313	11.1	78	-0.01
57	TP	1,4-Dioxane	0.00274	0.00294#	-7.3	91	-0.02
58	TP	cis-1,3-Dichloropropene	0.414	0.350	15.5	75	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
60	S	Toluene-d8	1.209	1.236	-2.2	85	-0.01
61	TC	Toluene	0.768	0.700	8.9	79	0.00
62	TP	4-Methyl-2-pentanone	0.111	0.092	17.1	71	-0.01
63	TP	Tetrachloroethene	0.367	0.320	12.8	75	-0.01
65	TP	trans-1,3-Dichloropropene	0.478	0.408	14.6	74	-0.01
67	TP	Ethyl methacrylate	0.381	0.297	22.0#	68	-0.01
68	TP	1,1,2-Trichloroethane	0.243	0.227	6.6	79	-0.01
69	TP	Chlorodibromomethane	0.377	0.315	16.4	74	0.00
70	TP	1,3-Dichloropropane	0.492	0.458	6.9	78	0.00
71	TP	1,2-Dibromoethane	0.327	0.280	14.4	73	0.00
72	TP	2-Hexanone	0.219	0.174	20.5#	70	0.00
73	TP	Chlorobenzene	0.946	0.869	8.1	80	0.00
74	TC	Ethylbenzene	1.473	1.334	9.4	79	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.360	0.300	16.7	74	0.00
76	TP	p/m Xylene	0.612	0.544	11.1	79	0.00
77	TP	o Xylene	0.583	0.512	12.2	79	0.00
78	TP	Styrene	0.981	0.845	13.9	77	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	-0.01
80	TP	Bromoform	0.479	0.362	24.4#	71	0.00
82	TP	Isopropylbenzene	2.721	2.433	10.6	78	0.00
83	S	4-Bromofluorobenzene	0.759	0.719	5.3	81	0.00
84	TP	Bromobenzene	0.783	0.684	12.6	77	0.00
85	TP	n-Propylbenzene	3.135	2.884	8.0	81	0.00
86	TP	1,4-Dichlorobutane	0.767	0.660	14.0	78	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.704	0.656	6.8	80	0.00
88	TP	4-Ethyltoluene	2.652	2.361	11.0	78	0.00
89	TP	2-Chlorotoluene	2.120	1.922	9.3	79	0.00
90	TP	1,3,5-Trimethylbenzene	2.295	1.954	14.9	76	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-2
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	0.601	0.520	13.5	78	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.186	0.173	7.0	82	0.00
93 TP	4-Chlorotoluene	1.898	1.737	8.5	80	0.00
94 TP	tert-Butylbenzene	2.070	1.814	12.4	78	0.00
97 TP	1,2,4-Trimethylbenzene	2.276	1.959	13.9	77	0.00
98 TP	sec-Butylbenzene	2.941	2.698	8.3	81	0.00
99 TP	p-Isopropyltoluene	2.659	2.321	12.7	78	0.00
100 TP	1,3-Dichlorobenzene	1.513	1.331	12.0	79	0.00
101 TP	1,4-Dichlorobenzene	1.532	1.314	14.2	76	0.00
102 TP	p-Diethylbenzene	1.582	1.370	13.4	78	-0.01
103 TP	n-Butylbenzene	2.212	2.050	7.3	83	0.00
104 TP	1,2-Dichlorobenzene	1.488	1.282	13.8	77	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.470	1.947	21.2#	74	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.147	0.115	21.8#	68	0.00
107 TP	1,3,5-Trichlorobenzene	1.108	0.955	13.8	80	0.00
108 TP	Hexachlorobutadiene	0.465	0.375	19.4	72	0.00
109 TP	1,2,4-Trichlorobenzene	1.050	0.894	14.9	76	0.00
110 TP	Naphthalene	2.791	2.337	16.3	75	0.00
111 TP	1,2,3-Trichlorobenzene	1.054	0.873	17.2	75	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-2
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.620	96	198344	10.000	ug/L	0.00
Standard Area 1 = 198344			Recovery = 100.00%			
59) Chlorobenzene-d5	8.572	117	157340	10.000	ug/L	0.00
Standard Area 1 = 157340			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	10.045	152	87789	10.000	ug/L	-0.01
Standard Area 1 = 87789			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.650	113	59593	10.238	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.38%			
43) 1,2-Dichloroethane-d4	5.274	65	62134	10.148	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.48%			
60) Toluene-d8	7.298	98	194426	10.221	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.21%			
83) 4-Bromofluorobenzene	9.380	95	63157	9.479	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.012	85	30795	8.282	ug/L	98
3) Chloromethane	1.148	50	37124	8.925	ug/L	99
4) Vinyl chloride	1.190	62	45995	10.266	ug/L	94
5) Bromomethane	1.405	94	38897	8.932	ug/L	100
6) Chloroethane	1.489	64	92868	20.265	ug/L	94
7) Trichlorofluoromethane	1.588	101	103260	10.323	ug/L	99
8) Ethyl ether	1.835	74	32835	10.113	ug/L #	62
10) 1,1-Dichloroethene	1.966	96	61382	10.385	ug/L #	56
11) Carbon disulfide	1.976	76	108073	10.537	ug/L	92
12) Freon-113	2.013	101	67859	11.176	ug/L	97
14) Acrolein	2.254	56	7678	10.127	ug/L	96
15) Methylene chloride	2.469	84	43953	8.746	ug/L	67
17) Acetone	2.532	43	12133	8.800	ug/L	98
18) trans-1,2-Dichloroethene	2.626	96	44872	9.363	ug/L #	65
19) Methyl acetate	2.663	43	26970	7.817	ug/L #	77
20) Methyl tert-butyl ether	2.763	73	102527	7.988	ug/L	94
21) tert-Butyl alcohol	2.920	59	22638	38.397	ug/L #	61
22) Diisopropyl ether	3.214	45	112860	8.436	ug/L #	84
23) 1,1-Dichloroethane	3.282	63	75567	9.766	ug/L	98
24) Halothane	3.434	117	34907	8.899	ug/L	96
25) Acrylonitrile	3.345	53	12932	8.440	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-2
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	3.675	59	114996	8.215	ug/L	#	82
27) Vinyl acetate	3.670	43	86345	9.348	ug/L	#	90
28) cis-1,2-Dichloroethene	3.995	96	50622	9.141	ug/L	#	62
29) 2,2-Dichloropropane	4.142	77	64107	8.911	ug/L		99
30) Bromochloromethane	4.268	128	28343	9.261	ug/L	#	47
31) Cyclohexane	4.257	56	58354	8.772	ug/L	#	46
32) Chloroform	4.420	83	80646	9.128	ug/L		97
33) Ethyl acetate	4.656	43	38702	8.230	ug/L	#	94
34) Carbon tetrachloride	4.545	117	60610	8.660	ug/L		96
35) Tetrahydrofuran	4.603	42	12493M1	8.164	ug/L		
37) 1,1,1-Trichloroethane	4.640	97	67711	8.744	ug/L	#	98
39) 2-Butanone	4.834	43	19493	8.497	ug/L	#	38
40) 1,1-Dichloropropene	4.808	75	55577	9.022	ug/L		92
41) Benzene	5.112	78	169072	9.151	ug/L	#	89
42) tert-Amyl methyl ether	5.337	73	108254	7.363	ug/L		92
44) 1,2-Dichloroethane	5.353	62	62807	9.103	ug/L		96
47) Methyl cyclohexane	5.788	83	67215	8.714	ug/L	#	60
48) Trichloroethene	5.814	95	46166	8.594	ug/L		89
50) Dibromomethane	6.249	93	33025	9.005	ug/L		94
51) 1,2-Dichloropropane	6.360	63	44600	9.553	ug/L		96
54) Bromodichloromethane	6.464	83	62100	8.901	ug/L	#	99
57) 1,4-Dioxane	6.679	88	29140	536.242	ug/L	#	67
58) cis-1,3-Dichloropropene	7.120	75	69349	8.438	ug/L		93
61) Toluene	7.350	92	110134	9.115	ug/L		100
62) 4-Methyl-2-pentanone	7.738	58	14520	8.282	ug/L	#	90
63) Tetrachloroethene	7.696	166	50378	8.735	ug/L		90
65) trans-1,3-Dichloropropene	7.754	75	64256	8.550	ug/L		98
67) Ethyl methacrylate	7.938	69	46778	7.812	ug/L		98
68) 1,1,2-Trichloroethane	7.880	83	35765	9.363	ug/L		94
69) Chlorodibromomethane	8.016	129	49605	8.356	ug/L		98
70) 1,3-Dichloropropane	8.090	76	72033	9.297	ug/L		98
71) 1,2-Dibromoethane	8.174	107	43990	8.540	ug/L		96
72) 2-Hexanone	8.404	43	27424	7.965	ug/L		96
73) Chlorobenzene	8.583	112	136745	9.183	ug/L	#	84
74) Ethylbenzene	8.624	91	209920	9.055	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.640	131	47242	8.335	ug/L		96
76) p/m Xylene	8.729	106	171124	17.783	ug/L		88
77) o Xylene	9.007	106	161064	17.560	ug/L		84
78) Styrene	9.044	104	265891	17.231	ug/L	#	80
80) Bromoform	9.049	173	31813	7.569	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-2
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	9.217	105	213600	8.941	ug/L		95
84) Bromobenzene	9.437	156	60059	8.739	ug/L		98
85) n-Propylbenzene	9.474	91	253212	9.200	ug/L		94
86) 1,4-Dichlorobutane	9.474	55	57922	8.601	ug/L		100
87) 1,1,2,2-Tetrachloroethane	9.521	83	57595	9.317	ug/L		97
88) 4-Ethyltoluene	9.542	105	207299	8.903	ug/L		94
89) 2-Chlorotoluene	9.558	91	168700	9.066	ug/L	#	86
90) 1,3,5-Trimethylbenzene	9.600	105	171574	8.516	ug/L	#	86
91) 1,2,3-Trichloropropane	9.589	75	45662	8.648	ug/L		93
92) trans-1,4-Dichloro-2-b...	9.621	53	15180M4	9.290	ug/L		
93) 4-Chlorotoluene	9.657	91	152468M3	9.152	ug/L		
94) tert-Butylbenzene	9.783	119	159207	8.760	ug/L		93
97) 1,2,4-Trimethylbenzene	9.825	105	172014	8.608	ug/L		90
98) sec-Butylbenzene	9.888	105	236894	9.176	ug/L		96
99) p-Isopropyltoluene	9.977	119	203801	8.732	ug/L		93
100) 1,3-Dichlorobenzene	10.003	146	116854	8.800	ug/L		95
101) 1,4-Dichlorobenzene	10.056	146	115349	8.578	ug/L		95
102) p-Diethylbenzene	10.182	119	120254	8.659	ug/L		89
103) n-Butylbenzene	10.218	91	179961	9.269	ug/L		96
104) 1,2-Dichlorobenzene	10.297	146	112511	8.615	ug/L		94
105) 1,2,4,5-Tetramethylben...	10.638	119	170886	7.881	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.748	155	10068	7.805	ug/L		88
107) 1,3,5-Trichlorobenzene	10.769	180	83819	8.617	ug/L		91
108) Hexachlorobutadiene	11.115	225	32928	8.058	ug/L		95
109) 1,2,4-Trichlorobenzene	11.125	180	78526	8.522	ug/L		99
110) Naphthalene	11.309	128	205199	8.374	ug/L		100
111) 1,2,3-Trichlorobenzene	11.409	180	76613	8.276	ug/L		99

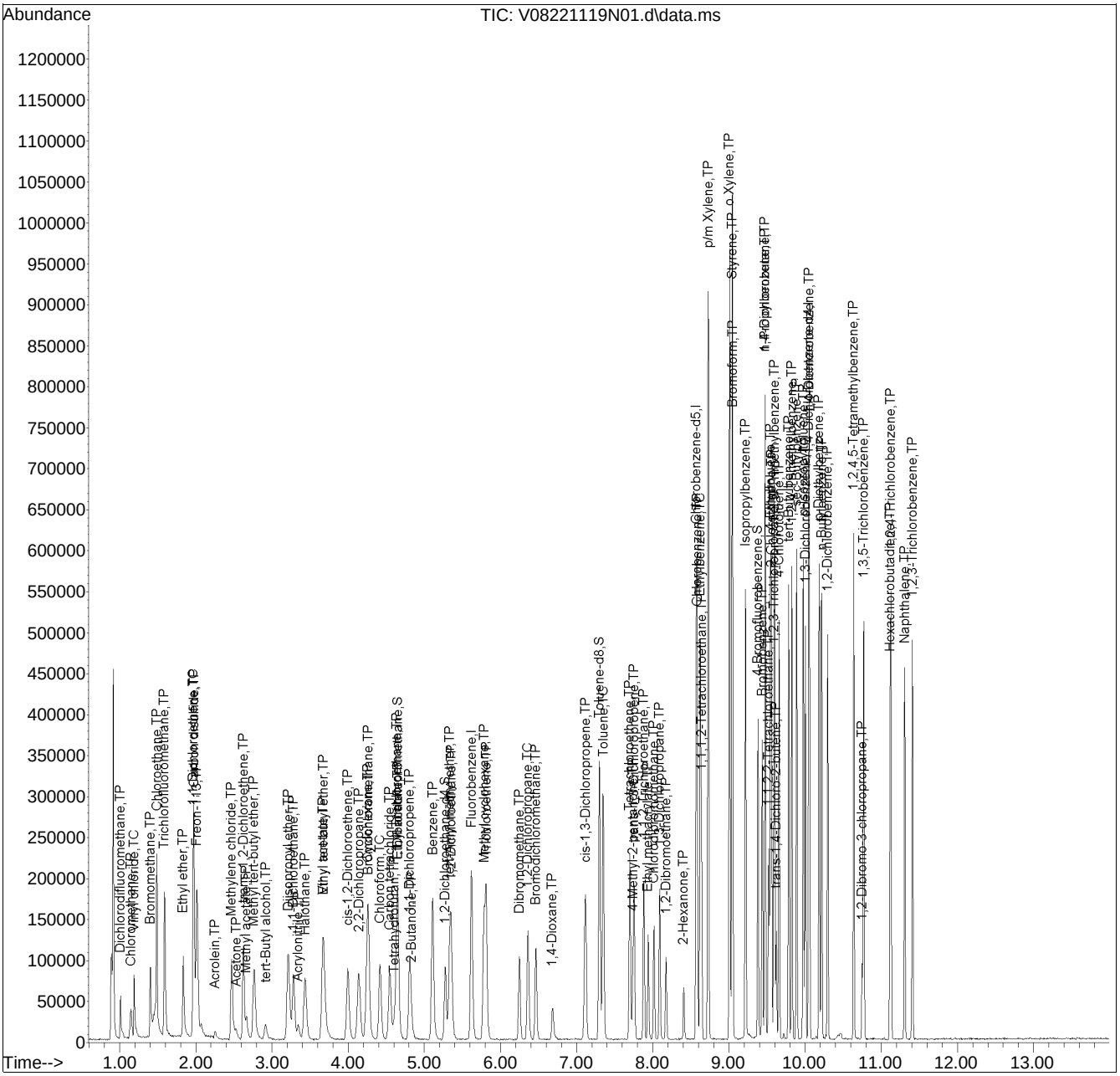
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-2
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

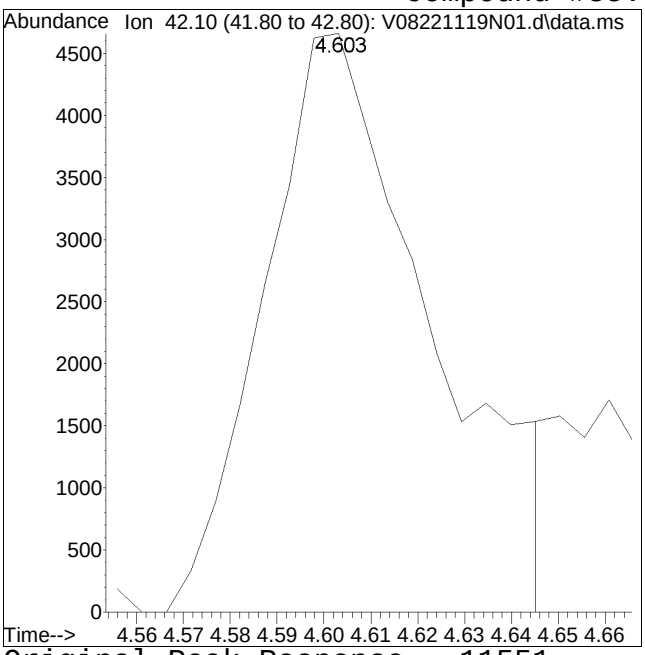


Manual Integration Report

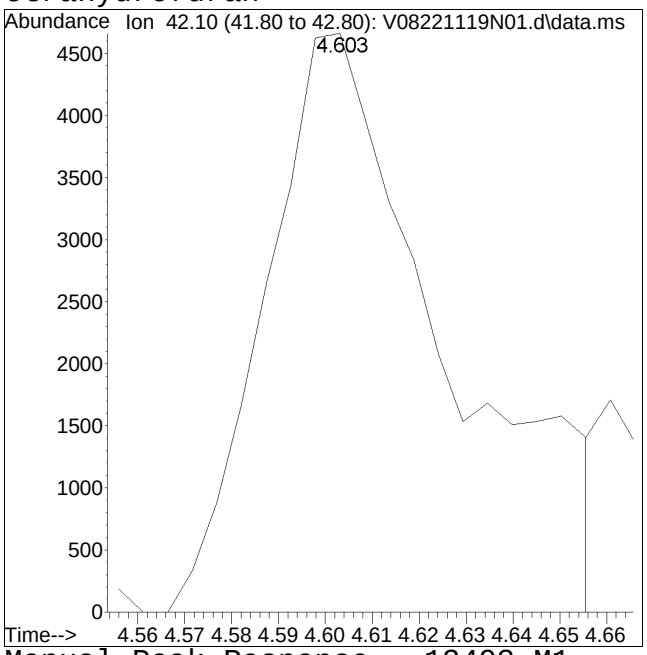
Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221119N01.d
Date Inj'd : 11/19/2022 7:02 pm
Sample : WG1714899-2

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/19/2022 7:28 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 11551



Manual Peak Response = 12493 M1

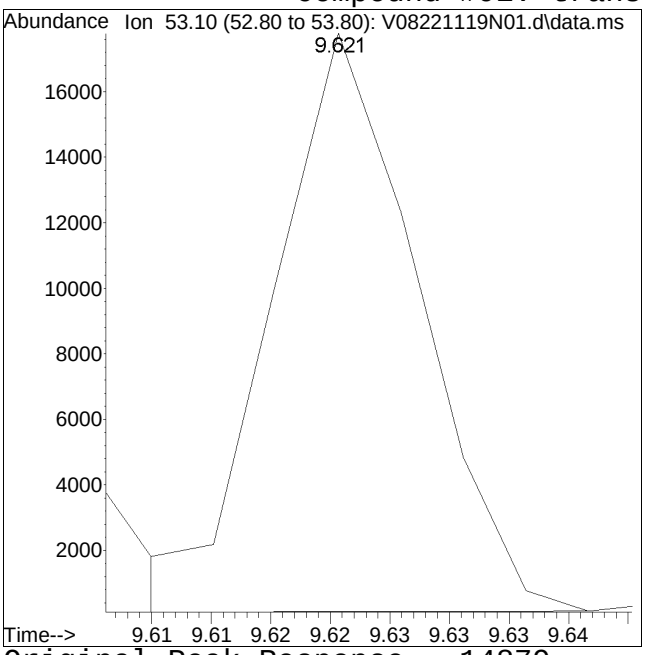
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

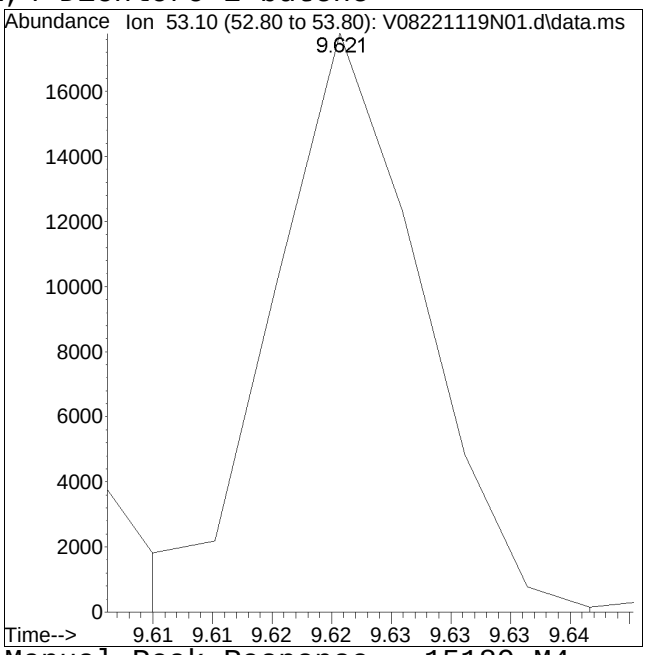
Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221119N01.d
Date Inj'd : 11/19/2022 7:02 pm
Sample : WG1714899-2

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/19/2022 7:28 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 14879



Manual Peak Response = 15180 M4

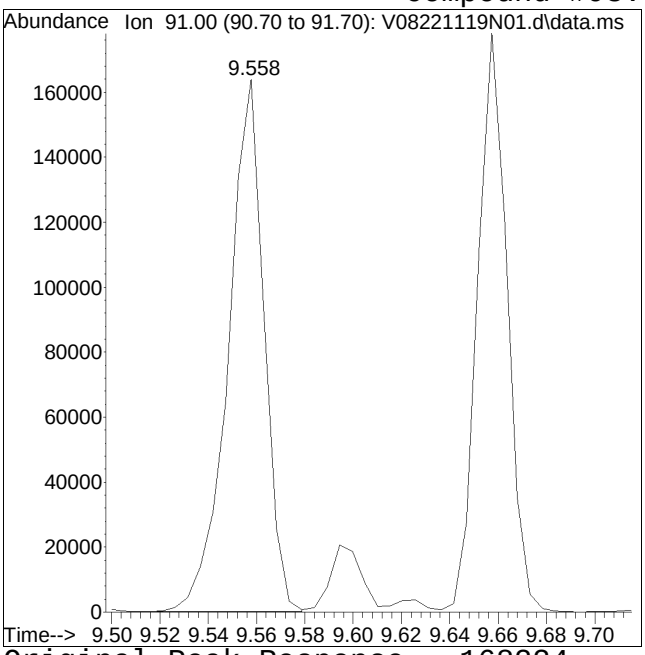
M4 = Poor automated baseline construction.

Manual Integration Report

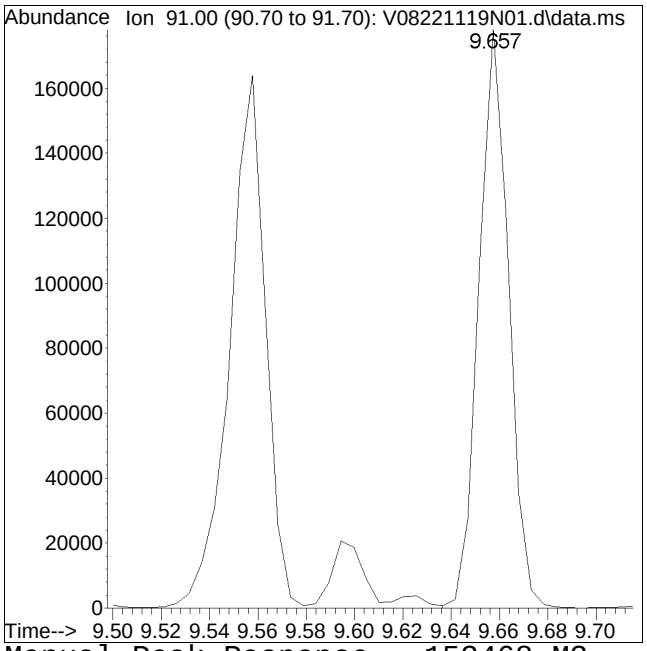
Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221119N01.d
Date Inj'd : 11/19/2022 7:02 pm
Sample : WG1714899-2

Method : V108_221110N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 11/19/2022 7:28 pm

Compound #93: 4-Chlorotoluene



Original Peak Response = 168224



Manual Peak Response = 152468 M3

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-2
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
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	92	0.00
2	TP	Dichlorodifluoromethane	0.203	0.193	4.9	88	0.00
3	TP	Chloromethane	0.241	0.338	-40.2#	133	0.00
4	TC	Vinyl chloride	0.263	0.314	-19.4	115	0.00
5	TP	Bromomethane	0.161	0.108	32.9#	71	0.00
6	TP	Chloroethane	0.207	0.198	4.3	96	0.00
7	TP	Trichlorofluoromethane	0.440	0.381	13.4	82	0.00
8	TP	Ethyl ether	0.114	0.076	33.3#	65	0.00
10	TC	1,1-Dichloroethene	0.256	0.216	15.6	80	0.00
11	TP	Carbon disulfide	0.634	0.424	33.1#	64	0.00
12	TP	Freon-113	0.272	0.228	16.2	80	0.00
15	TP	Methylene chloride	0.225	0.257	-14.2	113	0.00
17	TP	Acetone	* 10.000	8.460	15.4	75	-0.01
18	TP	trans-1,2-Dichloroethene	0.215	0.259	-20.5#	118	0.00
19	TP	Methyl acetate	0.094	0.100	-6.4	102	0.00
20	TP	Methyl tert-butyl ether	0.344	0.287	16.6	89	0.00
21	TP	tert-Butyl alcohol	0.00715	0.00349#	51.2#	52	0.00
22	TP	Diisopropyl ether	0.610	0.711	-16.6	135	-0.01
23	TP	1,1-Dichloroethane	0.410	0.528	-28.8#	124	0.00
24	TP	Halothane	0.168	0.202	-20.2#	110	-0.01
25	TP	Acrylonitrile	0.049	0.054	-10.2	111	0.00
26	TP	Ethyl tert-butyl ether	0.507	0.464	8.5	111	0.00
27	TP	Vinyl acetate	0.352	0.329	6.5	114	0.00
28	TP	cis-1,2-Dichloroethene	0.241	0.286	-18.7	116	0.00
29	TP	2,2-Dichloropropane	0.248	0.303	-22.2#	125	-0.01
30	TP	Bromochloromethane	0.117	0.125	-6.8	103	0.00
31	TP	Cyclohexane	0.420	0.507	-20.7#	128	0.00
32	TC	Chloroform	0.403	0.469	-16.4	114	0.00
33	TP	Ethyl acetate	0.111	0.104	6.3	105	0.00
34	TP	Carbon tetrachloride	0.316	0.347	-9.8	105	0.00
35	TP	Tetrahydrofuran	0.032	0.030	6.3	80	0.00
36	S	Dibromofluoromethane	0.313	0.299	4.5	89	0.00
37	TP	1,1,1-Trichloroethane	0.331	0.365	-10.3	110	0.00
39	TP	2-Butanone	0.049	0.053	-8.2	112	0.00
40	TP	1,1-Dichloropropene	0.285	0.314	-10.2	115	0.00
41	TP	Benzene	0.795	0.956	-20.3#	117	0.00
42	TP	tert-Amyl methyl ether	* 10.000	9.197	8.0	104	-0.01
43	S	1,2-Dichloroethane-d4	0.316	0.283	10.4	82	0.00
44	TP	1,2-Dichloroethane	0.298	0.306	-2.7	105	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-2
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
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	TP	Methyl cyclohexane	0.376	0.362	3.7	111	0.00
48	TP	Trichloroethene	0.214	0.261	-22.0#	117	0.00
50	TP	Dibromomethane	0.124	0.124	0.0	99	0.00
51	TC	1,2-Dichloropropane	0.220	0.264	-20.0#	120	0.00
54	TP	Bromodichloromethane	0.310	0.321	-3.5	103	0.00
57	TP	1,4-Dioxane	0.00091	0.00039#	57.1#	44#	0.00
58	TP	cis-1,3-Dichloropropene	0.302	0.300	0.7	110	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
60	S	Toluene-d8	1.247	1.254	-0.6	93	0.00
61	TC	Toluene	0.664	0.792	-19.3	123	0.00
62	TP	4-Methyl-2-pentanone	0.052	0.047	9.6	110	0.00
63	TP	Tetrachloroethene	0.288	0.325	-12.8	116	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	8.968	10.3	111	0.00
67	TP	Ethyl methacrylate	0.183	0.160	12.6	97	0.00
68	TP	1,1,2-Trichloroethane	0.165	0.159#	3.6	99	0.00
69	TP	Chlorodibromomethane	0.276	0.261	5.4	98	0.00
70	TP	1,3-Dichloropropane	0.349	0.342	2.0	103	0.00
71	TP	1,2-Dibromoethane	0.193	0.184#	4.7	101	0.00
72	TP	2-Hexanone	0.082	0.077	6.1	105	0.00
73	TP	Chlorobenzene	0.762	0.884	-16.0	121	0.00
74	TC	Ethylbenzene	1.262	1.483	-17.5	123	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.273	0.280	-2.6	115	0.00
76	TP	p/m Xylene	0.507	0.616	-21.5#	125	0.00
77	TP	o Xylene	0.489	0.573	-17.2	123	0.00
78	TP	Styrene	0.820	0.936	-14.1	118	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
80	TP	Bromoform	0.301	0.238	20.9#	96	0.00
82	TP	Isopropylbenzene	2.359	2.749	-16.5	125	0.00
83	S	4-Bromofluorobenzene	0.795	0.841	-5.8	104	0.00
84	TP	Bromobenzene	0.591	0.630	-6.6	115	0.00
85	TP	n-Propylbenzene	2.890	3.455	-19.6	127	0.00
86	TP	1,4-Dichlorobutane	0.619	0.606	2.1	116	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.412	0.359	12.9	97	0.00
88	TP	4-Ethyltoluene	2.385	2.899	-21.6#	131	0.00
89	TP	2-Chlorotoluene	1.970	2.379	-20.8#	131	0.00
90	TP	1,3,5-Trimethylbenzene	2.100	2.447	-16.5	139	0.00
91	TP	1,2,3-Trichloropropane	0.320	0.282	11.9	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-2
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
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)
92	TP	trans-1,4-Dichloro-2-butene		0.126	0.114	9.5	101	0.00
93	TP	4-Chlorotoluene		1.726	2.117	-22.7#	130	0.00
94	TP	tert-Butylbenzene		1.920	2.112	-10.0	126	0.00
97	TP	1,2,4-Trimethylbenzene		2.059	2.388	-16.0	139	0.00
98	TP	sec-Butylbenzene	*	10.000	10.724	-7.2	125	0.00
99	TP	p-Isopropyltoluene	*	10.000	10.567	-5.7	129	0.00
100	TP	1,3-Dichlorobenzene		1.220	1.392	-14.1	123	0.00
101	TP	1,4-Dichlorobenzene		1.207	1.382	-14.5	124	0.00
102	TP	p-Diethylbenzene		1.507	1.634	-8.4	134	0.00
103	TP	n-Butylbenzene	*	10.000	10.572	-5.7	130	0.00
104	TP	1,2-Dichlorobenzene		1.107	1.235	-11.6	121	0.00
105	TP	1,2,4,5-Tetramethylbenzene	*	10.000	10.654	-6.5	134	0.00
106	TP	1,2-Dibromo-3-chloropropane		0.062	0.053	14.5	92	0.00
107	TP	1,3,5-Trichlorobenzene		0.924	0.982	-6.3	120	0.00
108	TP	Hexachlorobutadiene		0.394	0.409	-3.8	114	0.00
109	TP	1,2,4-Trichlorobenzene		0.788	0.770	2.3	112	0.00
110	TP	Naphthalene		1.389	1.220	12.2	99	0.00
111	TP	1,2,3-Trichlorobenzene		0.720	0.680	5.6	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-2
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.473	96	163963	10.000	ug/L	0.00
59) Chlorobenzene-d5	8.487	117	124673	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	9.976	152	71075	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.477	113	49065	9.570	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.70%			
43) 1,2-Dichloroethane-d4	5.124	65	46323	8.935	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.35%			
60) Toluene-d8	7.179	98	156335	10.058	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.58%			
83) 4-Bromofluorobenzene	9.307	95	59782	10.574	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.936	85	31583	9.502	ug/L	99
3) Chloromethane	1.053	50	55494	14.036	ug/L	98
4) Vinyl chloride	1.106	62	51564	11.958	ug/L	99
5) Bromomethane	1.309	94	17631	6.681	ug/L	96
6) Chloroethane	1.396	64	32478	9.575	ug/L	100
7) Trichlorofluoromethane	1.491	101	62410	8.647	ug/L	98
8) Ethyl ether	1.725	74	12498	6.709	ug/L	93
10) 1,1-Dichloroethene	1.850	96	35417	8.423	ug/L	87
11) Carbon disulfide	1.856	76	69577	6.689	ug/L	100
12) Freon-113	1.895	101	37370	8.389	ug/L	99
15) Methylene chloride	2.336	84	42210	11.464	ug/L	92
17) Acetone	2.389	43	5304	8.460	ug/L #	63
18) trans-1,2-Dichloroethene	2.478	96	42459	12.018	ug/L	85
19) Methyl acetate	2.522	43	16446	10.698	ug/L #	94
20) Methyl tert-butyl ether	2.609	73	46996	8.332	ug/L #	88
21) tert-Butyl alcohol	2.768	59	2860M1	24.400	ug/L	
22) Diisopropyl ether	3.041	45	116516	11.643	ug/L	97
23) 1,1-Dichloroethane	3.114	63	86601	12.873	ug/L	98
24) Halothane	3.261	117	33116	12.042	ug/L #	70
25) Acrylonitrile	3.183	53	8789	10.958	ug/L	96
26) Ethyl tert-butyl ether	3.484	59	76129	9.153	ug/L #	84
27) Vinyl acetate	3.484	43	53881	9.338	ug/L	98
28) cis-1,2-Dichloroethene	3.794	96	46837	11.857	ug/L #	79
29) 2,2-Dichloropropane	3.936	77	49689	12.197	ug/L #	81
30) Bromochloromethane	4.073	128	20522	10.679	ug/L #	77

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-2
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Cyclohexane	4.042	56	83100	12.079	ug/L		89
32) Chloroform	4.235	83	76885	11.649	ug/L		97
33) Ethyl acetate	4.486	43	17016	9.308	ug/L	#	95
34) Carbon tetrachloride	4.357	117	56825	10.954	ug/L	#	64
35) Tetrahydrofuran	4.424	42	4997	9.436	ug/L	#	90
37) 1,1,1-Trichloroethane	4.455	97	59911	11.050	ug/L	#	95
39) 2-Butanone	4.672	43	8635	10.797	ug/L	#	90
40) 1,1-Dichloropropene	4.631	75	51523	11.026	ug/L		96
41) Benzene	4.943	78	156779	12.031	ug/L		96
42) tert-Amyl methyl ether	5.174	73	49152M1	9.197	ug/L		
44) 1,2-Dichloroethane	5.208	62	50108	10.268	ug/L		97
47) Methyl cyclohexane	5.629	83	59331	9.617	ug/L		93
48) Trichloroethene	5.671	95	42770	12.196	ug/L		98
50) Dibromomethane	6.117	93	20327	9.962	ug/L		97
51) 1,2-Dichloropropane	6.229	63	43218	11.987	ug/L		94
54) Bromodichloromethane	6.340	83	52552	10.325	ug/L	#	99
57) 1,4-Dioxane	6.569	88	3194	213.584	ug/L	#	82
58) cis-1,3-Dichloropropene	7.004	75	49255	9.931	ug/L		93
61) Toluene	7.230	92	98803	11.938	ug/L		96
62) 4-Methyl-2-pentanone	7.648	58	5831	8.965	ug/L		88
63) Tetrachloroethene	7.589	166	40536	11.281	ug/L		90
65) trans-1,3-Dichloropropene	7.659	75	37317	8.968	ug/L		95
67) Ethyl methacrylate	7.852	69	19975	8.750	ug/L		98
68) 1,1,2-Trichloroethane	7.790	83	19795	9.617	ug/L		94
69) Chlorodibromomethane	7.921	129	32521	9.450	ug/L		95
70) 1,3-Dichloropropane	8.002	76	42670	9.802	ug/L		98
71) 1,2-Dibromoethane	8.080	107	22954	9.524	ug/L		98
72) 2-Hexanone	8.328	43	9662	9.460	ug/L	#	97
73) Chlorobenzene	8.498	112	110185	11.603	ug/L		89
74) Ethylbenzene	8.540	91	184945	11.751	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.557	131	34913	10.257	ug/L		94
76) p/m Xylene	8.646	106	153566	24.280	ug/L		95
77) o Xylene	8.931	106	142781	23.407	ug/L		88
78) Styrene	8.967	104	233362	22.837	ug/L		87
80) Bromoform	8.970	173	16892	7.885	ug/L		97
82) Isopropylbenzene	9.143	105	195371	11.653	ug/L		98
84) Bromobenzene	9.363	156	44791	10.655	ug/L		99
85) n-Propylbenzene	9.402	91	245574	11.955	ug/L		97
86) 1,4-Dichlorobutane	9.405	55	43077	9.796	ug/L		92
87) 1,1,2,2-Tetrachloroethane	9.455	83	25539	8.713	ug/L		100
88) 4-Ethyltoluene	9.472	105	206053	12.156	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-2
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	2-Chlorotoluene	9.483	91	169120	12.079	ug/L	93
90)	1,3,5-Trimethylbenzene	9.528	105	173896	11.653	ug/L	90
91)	1,2,3-Trichloropropane	9.522	75	20019	8.803	ug/L	97
92)	trans-1,4-Dichloro-2-b...	9.558	53	8111	9.050	ug/L	86
93)	4-Chlorotoluene	9.586	91	150463	12.265	ug/L	91
94)	tert-Butylbenzene	9.712	119	150095	10.997	ug/L	98
97)	1,2,4-Trimethylbenzene	9.756	105	169725	11.599	ug/L	92
98)	sec-Butylbenzene	9.818	105	228302	10.724	ug/L	98
99)	p-Isopropyltoluene	9.907	119	198041	10.567	ug/L	95
100)	1,3-Dichlorobenzene	9.932	146	98919	11.408	ug/L	98
101)	1,4-Dichlorobenzene	9.985	146	98202	11.446	ug/L	98
102)	p-Diethylbenzene	10.116	119	116107	10.838	ug/L	93
103)	n-Butylbenzene	10.147	91	181515	10.572	ug/L	99
104)	1,2-Dichlorobenzene	10.225	146	87785	11.157	ug/L	96
105)	1,2,4,5-Tetramethylben...	10.570	119	149033	10.654	ug/L	97
106)	1,2-Dibromo-3-chloropr...	10.679	155	3797	8.557	ug/L	91
107)	1,3,5-Trichlorobenzene	10.699	180	69787	10.625	ug/L	95
108)	Hexachlorobutadiene	11.045	225	29092	10.396	ug/L	98
109)	1,2,4-Trichlorobenzene	11.056	180	54750	9.779	ug/L	98
110)	Naphthalene	11.237	128	86732	8.786	ug/L	100
111)	1,2,3-Trichlorobenzene	11.337	180	48356	9.449	ug/L	99

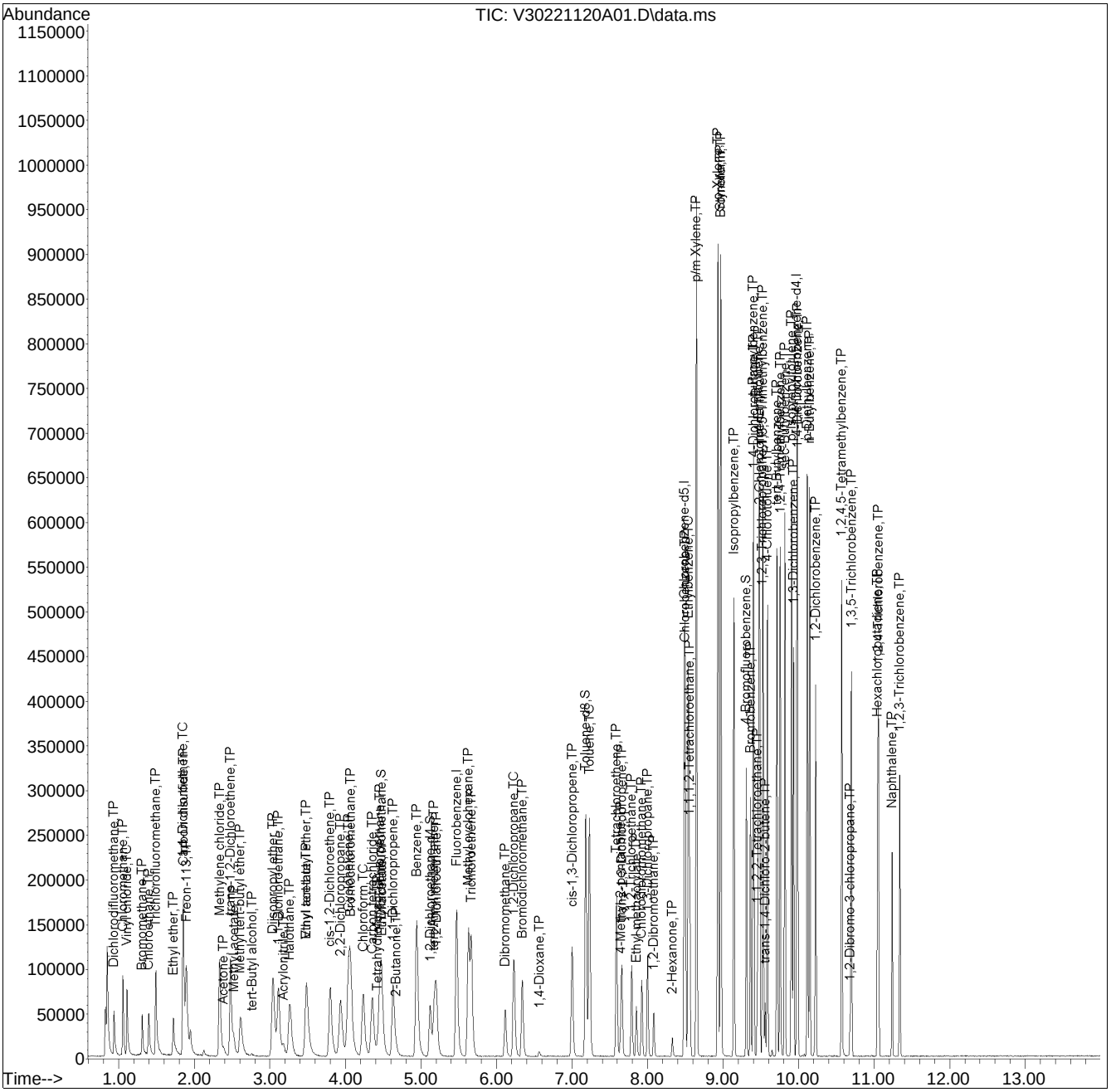
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-2
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

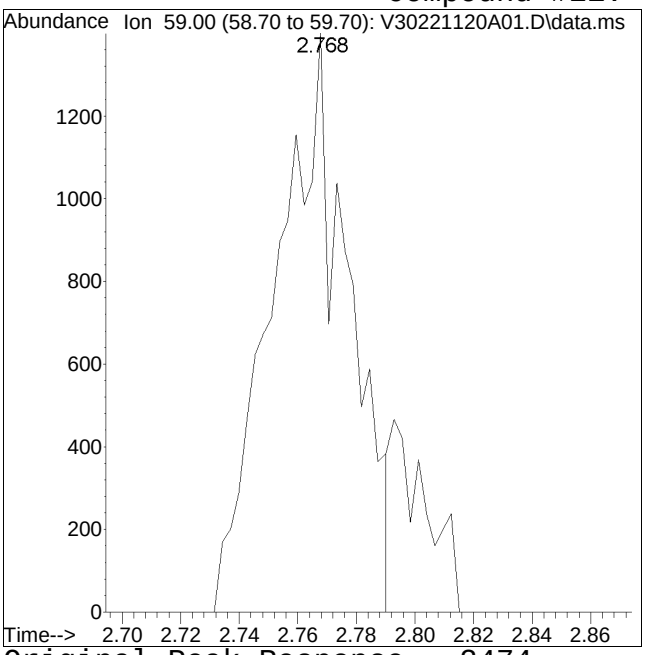


Manual Integration Report

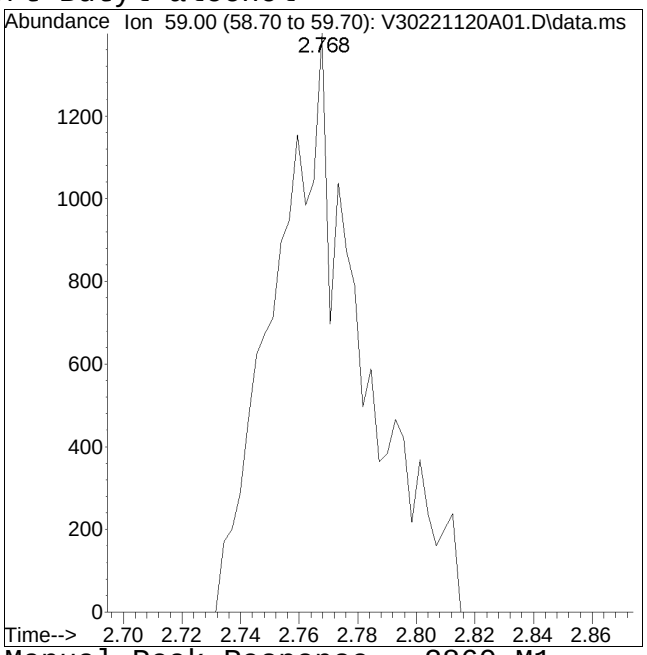
Data Path : I:\VOLATILES\VOA130\2022\2Q
Data File : V30221120A01.D
Date Inj'd : 11/20/2022 8:16 am
Sample : WG1714939-2

Method : VOA130_221012N_8260.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 11/20/2022 9:31 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 2474



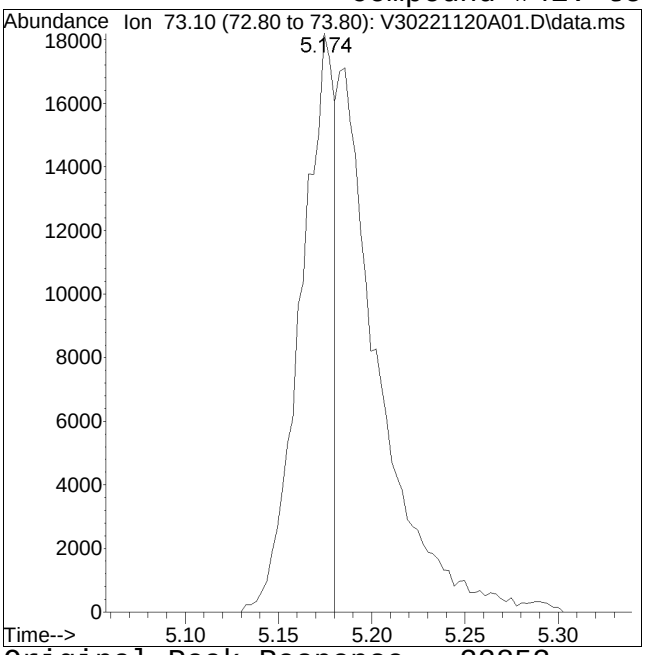
Manual Peak Response = 2860 M1

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

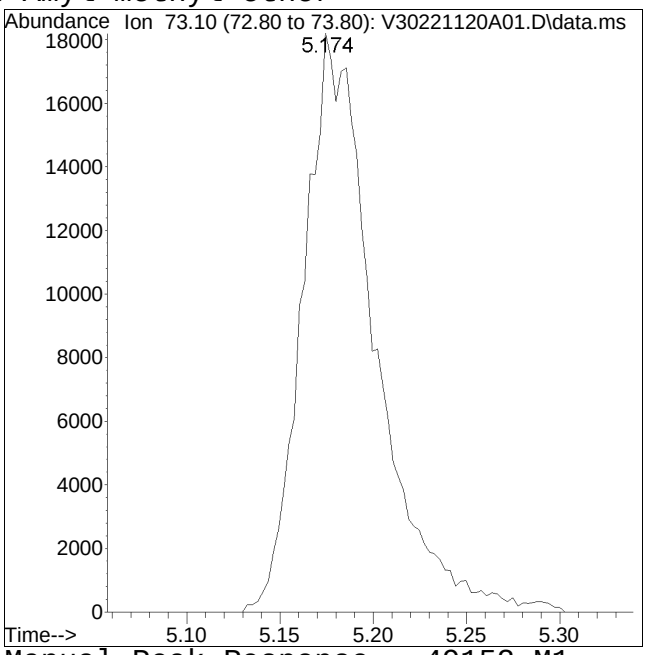
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_221012N_8260.m
Data File : V30221120A01.D Operator : VOA130:PID
Date Inj'd : 11/20/2022 8:16 am Instrument : VOA130
Sample : WG1714939-2 Quant Date : 11/20/2022 9:31 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 22853



Manual Peak Response = 49152 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-2,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
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	0.238	0.193	18.9	55	0.00
3	TP	Chloromethane	0.355	0.319	10.1	64	0.00
4	TC	Vinyl chloride	0.330	0.310	6.1	63	0.00
5	TP	Bromomethane	0.209	0.140	33.0#	47#	0.00
6	TP	Chloroethane	0.206	0.207	-0.5	70	0.00
7	TP	Trichlorofluoromethane	0.377	0.370	1.9	66	0.00
8	TP	Ethyl ether	0.109	0.103	5.5	67	0.00
10	TC	1,1-Dichloroethene	0.229	0.210	8.3	64	0.00
11	TP	Carbon disulfide	0.447	0.425	4.9	67	0.00
12	TP	Freon-113	0.257	0.241	6.2	65	0.00
14	TP	Acrolein	0.041	0.035	14.6	61	0.00
15	TP	Methylene chloride	0.265	0.273	-3.0	75	0.00
17	TP	Acetone	* 10.000	8.584	14.2	63	0.00
18	TP	trans-1,2-Dichloroethene	0.255	0.255	0.0	70	0.00
19	TP	Methyl acetate	0.163	0.161	1.2	68	0.00
21	TP	Methyl tert-butyl ether	0.565	0.512	9.4	63	0.00
22	TP	tert-Butyl alcohol	0.019	0.017	10.5	62	0.00
24	TP	Diisopropyl ether	1.082	1.051	2.9	67	0.00
25	TP	1,1-Dichloroethane	0.552	0.565	-2.4	71	0.00
26	TP	Halothane	0.198	0.189	4.5	66	0.00
27	TP	Acrylonitrile	0.078	0.076	2.6	67	0.00
28	TP	Ethyl tert-butyl ether	0.927	0.847	8.6	64	0.00
29	TP	Vinyl acetate	0.592	0.619	-4.6	73	0.00
30	TP	cis-1,2-Dichloroethene	0.284	0.286	-0.7	71	0.00
31	TP	2,2-Dichloropropane	0.399	0.395	1.0	69	0.00
33	TP	Bromochloromethane	0.118	0.132	-11.9	76	0.00
34	TP	Cyclohexane	0.623	0.531	14.8	58	0.00
35	TC	Chloroform	0.497	0.518	-4.2	73	0.00
36	TP	Ethyl acetate	0.263	0.224	14.8	62	0.00
37	TP	Carbon tetrachloride	0.383	0.364	5.0	66	0.00
38	TP	Tetrahydrofuran	0.085	0.066	22.4#	54	0.00
39	S	Dibromofluoromethane	0.270	0.276	-2.2	77	0.00
40	TP	1,1,1-Trichloroethane	0.412	0.388	5.8	66	0.00
42	TP	2-Butanone	0.109	0.097	11.0	66	0.00
43	TP	1,1-Dichloropropene	0.375	0.351	6.4	65	0.00
45	TP	Benzene	1.055	1.085	-2.8	71	0.00
46	TP	tert-Amyl methyl ether	0.674	0.588	12.8	61	0.00
47	S	1,2-Dichloroethane-d4	0.328	0.322	1.8	74	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-2,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	T	1,2-Dichloroethane	0.386	0.384	0.5	72	0.00
51	TP	Methyl cyclohexane	0.512	0.402	21.5#	55	0.00
52	TP	Trichloroethene	0.289	0.274	5.2	67	0.00
54	TP	Dibromomethane	0.148	0.153	-3.4	71	0.00
55	TC	1,2-Dichloropropane	0.332	0.322	3.0	65	0.00
58	TP	Bromodichloromethane	0.329	0.339	-3.0	74	0.00
61	TP	1,4-Dioxane	0.00156	0.00157#	-0.6	73	0.00
62	TP	cis-1,3-Dichloropropene	0.478	0.462	3.3	69	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
64	S	Toluene-d8	1.292	1.274	1.4	75	0.00
65	TC	Toluene	0.863	0.835	3.2	70	0.00
66	TP	4-Methyl-2-pentanone	0.109	0.083	23.9#	57	0.00
67	TP	Tetrachloroethene	0.376	0.339	9.8	65	0.00
69	TP	trans-1,3-Dichloropropene	0.509	0.466	8.4	66	0.00
71	TP	Ethyl methacrylate	0.361	0.287	20.5#	58	0.00
72	TP	1,1,2-Trichloroethane	0.228	0.221	3.1	70	0.00
73	TP	Chlorodibromomethane	0.330	0.318	3.6	69	0.00
74	TP	1,3-Dichloropropane	0.485	0.468	3.5	69	0.00
75	TP	1,2-Dibromoethane	0.270	0.253	6.3	68	0.00
77	TP	2-Hexanone	0.210	0.146	30.5#	52	0.00
78	TP	Chlorobenzene	0.936	0.927	1.0	72	0.00
79	TC	Ethylbenzene	1.672	1.554	7.1	67	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.336	0.329	2.1	71	0.00
81	TP	p/m Xylene	0.632	0.599	5.2	69	0.00
82	TP	o Xylene	0.583	0.552	5.3	68	0.00
83	TP	Styrene	0.962	0.936	2.7	70	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
85	TP	Bromoform	0.400	0.339	15.3	67	0.00
87	TP	Isopropylbenzene	3.317	2.841	14.4	64	0.00
88	S	4-Bromofluorobenzene	0.945	0.874	7.5	74	0.00
89	TP	Bromobenzene	0.723	0.659	8.9	71	0.00
90	TP	n-Propylbenzene	3.755	3.178	15.4	65	0.00
91	TP	1,4-Dichlorobutane	1.044	0.878	15.9	66	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.592	0.549	7.3	71	0.00
93	TP	4-Ethyltoluene	3.014	2.564	14.9	65	0.00
94	TP	2-Chlorotoluene	2.488	2.238	10.0	69	0.00
95	TP	1,3,5-Trimethylbenzene	2.602	2.221	14.6	65	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-2,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96	TP	1,2,3-Trichloropropane	0.494	0.438	11.3	68	0.00
97	TP	trans-1,4-Dichloro-2-butene	0.209	0.190	9.1	72	0.00
98	TP	4-Chlorotoluene	2.215	2.026	8.5	69	0.00
99	TP	tert-Butylbenzene	2.224	1.776	20.1#	62	0.00
102	TP	1,2,4-Trimethylbenzene	2.543	2.198	13.6	67	0.00
103	TP	sec-Butylbenzene	2.391	1.888	21.0#	63	0.00
104	TP	p-Isopropyltoluene	2.818	2.253	20.0#	61	0.00
105	TP	1,3-Dichlorobenzene	1.402	1.290	8.0	71	0.00
106	TP	1,4-Dichlorobenzene	1.402	1.284	8.4	71	0.00
107	TP	p-Diethylbenzene	1.680	1.318	21.5#	61	0.00
108	TP	n-Butylbenzene	2.554	1.987	22.2#	60	0.00
109	TP	1,2-Dichlorobenzene	1.279	1.168	8.7	71	0.00
110	TP	1,2,4,5-Tetramethylbenzene	2.460	1.927	21.7#	61	0.00
111	TP	1,2-Dibromo-3-chloropropane	0.096	0.075	21.9#	63	0.00
112	TP	1,3,5-Trichlorobenzene	1.001	0.806	19.5	63	0.00
113	TP	Hexachlorobutadiene	0.390	0.270	30.8#	56	0.00
114	TP	1,2,4-Trichlorobenzene	0.887	0.698	21.3#	61	0.00
115	TP	Naphthalene	1.809	1.441	20.3#	61	0.00
116	TP	1,2,3-Trichlorobenzene	0.778	0.609	21.7#	62	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-2,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.703	96	127592	10.000	ug/L	0.00
Standard Area 1 = 127592			Recovery = 100.00%			
63) Chlorobenzene-d5	9.222	117	100081	10.000	ug/L	0.00
Standard Area 1 = 100081			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	11.997	152	57288	10.000	ug/L	0.00
Standard Area 1 = 57288			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.898	113	35204	10.230	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.30%			
47) 1,2-Dichloroethane-d4	5.416	65	41114	9.836	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.36%			
64) Toluene-d8	7.391	98	127460	9.859	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.59%			
88) 4-Bromofluorobenzene	10.754	95	50047	9.249	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.49%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	24655	8.104	ug/L	96
3) Chloromethane	1.680	50	40656	8.981	ug/L	96
4) Vinyl chloride	1.727	62	39531	9.381	ug/L	95
5) Bromomethane	2.018	94	17867	6.693	ug/L	97
6) Chloroethane	2.135	64	26396	10.048	ug/L	96
7) Trichlorofluoromethane	2.261	101	47246	9.816	ug/L	100
8) Ethyl ether	2.544	74	13182	9.468	ug/L #	58
10) 1,1-Dichloroethene	2.724	96	26833	9.191	ug/L	87
11) Carbon disulfide	2.756	76	54284	9.527	ug/L	99
12) Freon-113	2.763	101	30742	9.361	ug/L	92
14) Acrolein	3.015	56	4525	8.648	ug/L	94
15) Methylene chloride	3.250	84	34879	10.323	ug/L #	69
17) Acetone	3.281	43	8207	8.584	ug/L	97
18) trans-1,2-Dichloroethene	3.399	96	32579	9.995	ug/L	85
19) Methyl acetate	3.399	43	20550	9.886	ug/L #	84
21) Methyl tert-butyl ether	3.501	73	65319	9.057	ug/L #	82
22) tert-Butyl alcohol	3.572	59	10730	43.526	ug/L #	82
24) Diisopropyl ether	3.854	45	134085	9.710	ug/L #	87
25) 1,1-Dichloroethane	3.964	63	72051	10.227	ug/L	98
26) Halothane	4.011	117	24130	9.543	ug/L	98
27) Acrylonitrile	3.988	53	9714	9.817	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-2,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.192	59	108056	9.136	ug/L		87
29) Vinyl acetate	4.192	43	78932	10.447	ug/L	#	91
30) cis-1,2-Dichloroethene	4.466	96	36446	10.050	ug/L	#	83
31) 2,2-Dichloropropane	4.568	77	50384	9.894	ug/L	#	81
33) Bromochloromethane	4.655	128	16902	11.237	ug/L	#	64
34) Cyclohexane	4.671	56	67724	8.522	ug/L		69
35) Chloroform	4.725	83	66128	10.429	ug/L		94
36) Ethyl acetate	4.835	43	28530	8.505	ug/L	#	92
37) Carbon tetrachloride	4.867	117	46477	9.514	ug/L	#	98
38) Tetrahydrofuran	4.875	42	8407M6	7.716	ug/L		
40) 1,1,1-Trichloroethane	4.930	97	49564	9.427	ug/L		91
42) 2-Butanone	5.008	43	12400	8.899	ug/L	#	39
43) 1,1-Dichloropropene	5.055	75	44760	9.347	ug/L		97
45) Benzene	5.291	78	138455	10.290	ug/L	#	93
46) tert-Amyl methyl ether	5.408	73	74962	8.714	ug/L	#	83
48) 1,2-Dichloroethane	5.487	62	48996	9.939	ug/L		95
51) Methyl cyclohexane	5.883	83	51337	7.855	ug/L	#	72
52) Trichloroethene	5.883	95	34920	9.476	ug/L		97
54) Dibromomethane	6.307	93	19515	10.334	ug/L		91
55) 1,2-Dichloropropane	6.412	63	41091	9.709	ug/L	#	84
58) Bromodichloromethane	6.488	83	43268	10.313	ug/L		99
61) 1,4-Dioxane	6.697	88	10010	504.387	ug/L	#	75
62) cis-1,3-Dichloropropene	7.176	75	58906	9.655	ug/L		92
65) Toluene	7.447	92	83558	9.677	ug/L		97
66) 4-Methyl-2-pentanone	7.870	58	8325	7.633	ug/L	#	94
67) Tetrachloroethene	7.897	166	33921	9.016	ug/L		95
69) trans-1,3-Dichloropropene	7.925	75	46599	9.147	ug/L		89
71) Ethyl methacrylate	8.126	69	28762	7.961	ug/L		99
72) 1,1,2-Trichloroethane	8.105	83	22122	9.700	ug/L		95
73) Chlorodibromomethane	8.313	129	31841	9.633	ug/L		96
74) 1,3-Dichloropropane	8.424	76	46874	9.656	ug/L		98
75) 1,2-Dibromoethane	8.584	107	25290	9.360	ug/L		98
77) 2-Hexanone	8.882	43	14574	6.947	ug/L	#	92
78) Chlorobenzene	9.243	112	92766	9.902	ug/L		97
79) Ethylbenzene	9.299	91	155574	9.299	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.333	131	32897	9.769	ug/L		95
81) p/m Xylene	9.486	106	119904	18.962	ug/L		96
82) o Xylene	10.029	106	110405	18.928	ug/L		96
83) Styrene	10.098	104	187329	19.447	ug/L		91
85) Bromoform	10.112	173	19449	8.488	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-2,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
87) Isopropylbenzene	10.439	105	162776	8.565	ug/L		95
89) Bromobenzene	10.865	156	37771	9.119	ug/L		98
90) n-Propylbenzene	10.932	91	182055	8.463	ug/L		99
91) 1,4-Dichlorobutane	10.932	55	50291	8.407	ug/L	#	85
92) 1,1,2,2-Tetrachloroethane	11.007	83	31439	9.275	ug/L		98
93) 4-Ethyltoluene	11.066	105	146903	8.507	ug/L		97
94) 2-Chlorotoluene	11.096	91	128206	8.995	ug/L		99
95) 1,3,5-Trimethylbenzene	11.170	105	127255	8.535	ug/L		96
96) 1,2,3-Trichloropropane	11.148	75	25102	8.872	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.207	53	10858	9.053	ug/L	#	83
98) 4-Chlorotoluene	11.281	91	116067	9.148	ug/L		97
99) tert-Butylbenzene	11.512	119	101740	7.986	ug/L		94
102) 1,2,4-Trimethylbenzene	11.594	105	125908	8.643	ug/L		97
103) sec-Butylbenzene	11.712	105	108159	7.895	ug/L		98
104) p-Isopropyltoluene	11.872	119	129087	7.997	ug/L		97
105) 1,3-Dichlorobenzene	11.921	146	73905	9.201	ug/L		99
106) 1,4-Dichlorobenzene	12.018	146	73580	9.162	ug/L		98
107) p-Diethylbenzene	12.255	119	75511	7.845	ug/L		98
108) n-Butylbenzene	12.311	91	113829	7.781	ug/L		99
109) 1,2-Dichlorobenzene	12.443	146	66937	9.137	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.055	119	110399	7.832	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.229	155	4288	7.800	ug/L		89
112) 1,3,5-Trichlorobenzene	13.271	180	46196	8.058	ug/L		98
113) Hexachlorobutadiene	13.863	225	15444	6.909	ug/L		97
114) 1,2,4-Trichlorobenzene	13.877	180	39975	7.867	ug/L		98
115) Naphthalene	14.169	128	82531	7.965	ug/L		100
116) 1,2,3-Trichlorobenzene	14.336	180	34875	7.822	ug/L		99

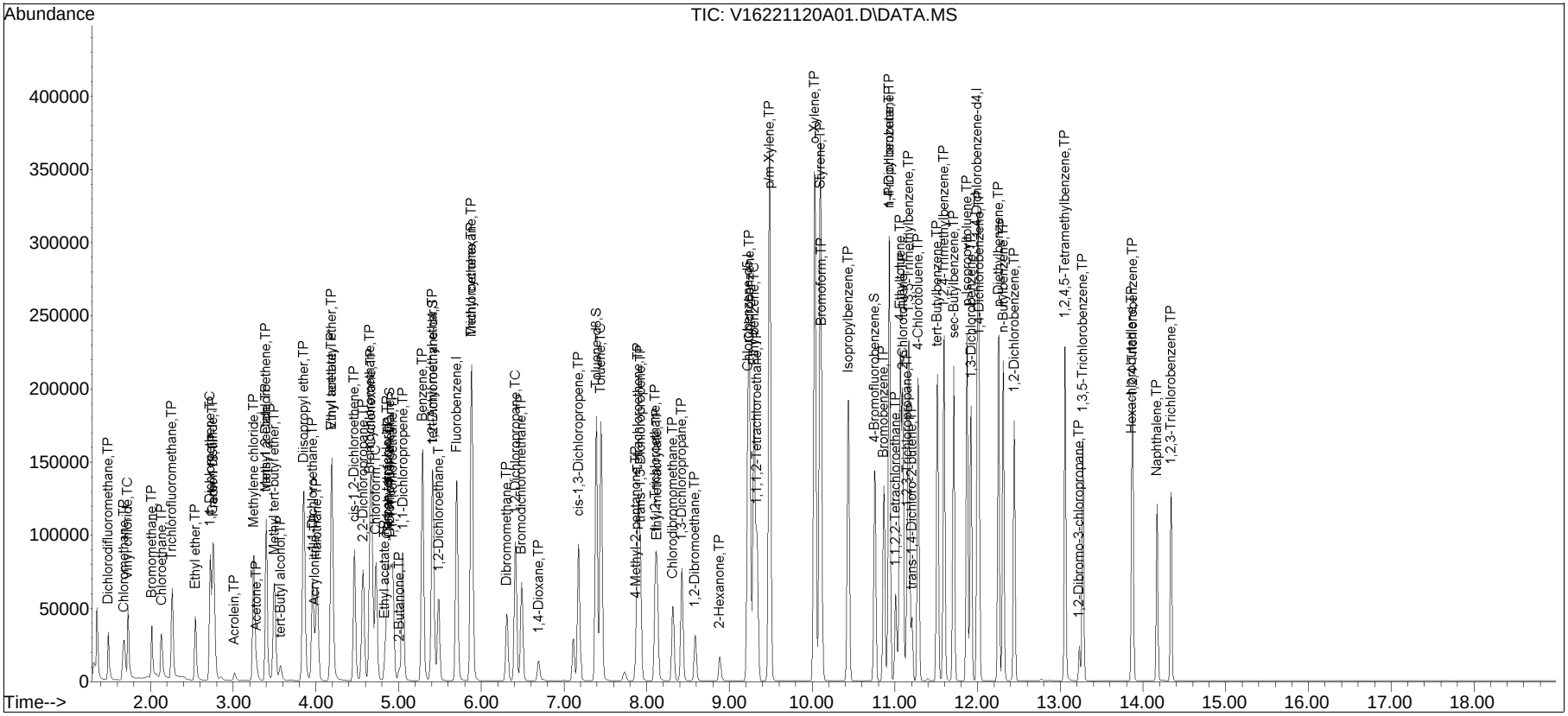
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-2,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

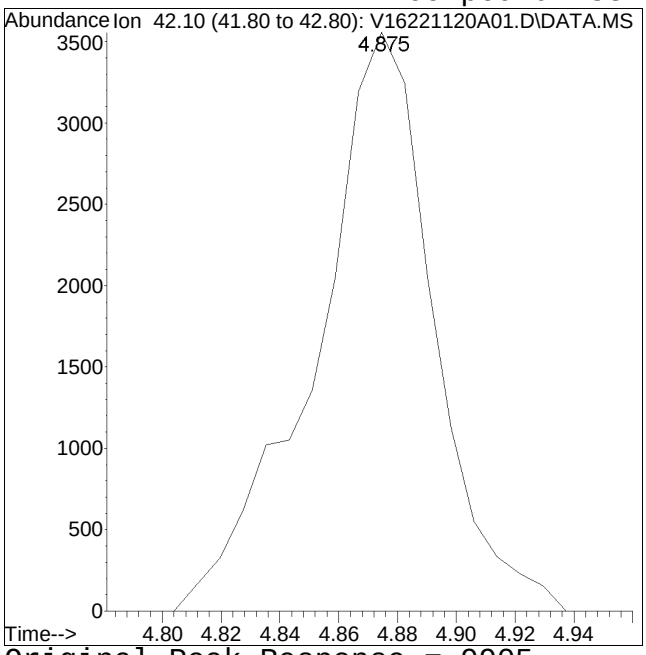
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



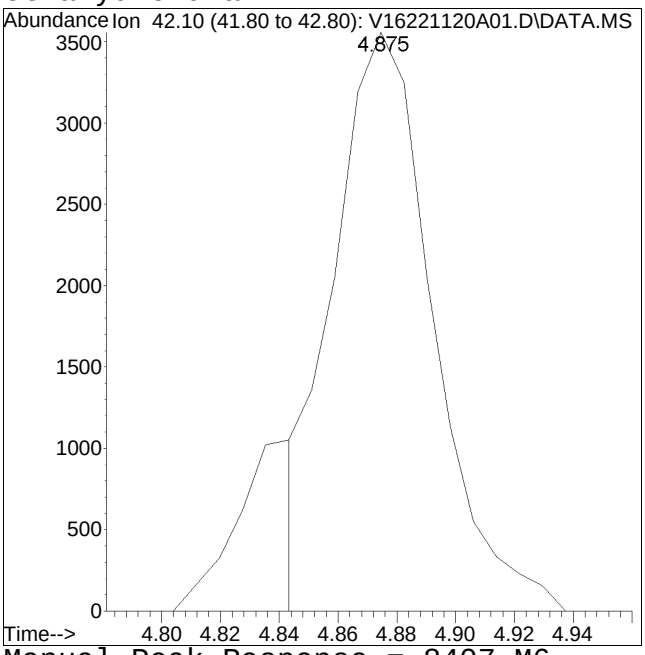
Manual Integration Report

Data Path : I:\VOLATILES\VOA116\2022\2QMethod : V116_221112_8260.m
Data File : V16221120A01.D Operator : VOA116:NLK
Date Inj'd : 11/20/2022 8:28 am Instrument : VOA 116
Sample : WG1714765-2,31,10,10 Quant Date : 11/20/2022 9:55 am

Compound #38: Tetrahydrofuran



Original Peak Response = 9905



Manual Peak Response = 8407 M6

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-2
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	81	0.00
2	TP	Dichlorodifluoromethane	0.187	0.154	17.6	66	0.00
3	TP	Chloromethane	0.210	0.186	11.4	72	-0.01
4	TC	Vinyl chloride	0.226	0.228	-0.9	79	0.00
5	TP	Bromomethane	0.220	0.191	13.2	77	0.00
6	TP	Chloroethane	0.231	0.476	-106.1#	167	0.00
7	TP	Trichlorofluoromethane	0.504	0.508	-0.8	82	0.00
8	TP	Ethyl ether	0.164	0.166	-1.2	84	0.00
10	TC	1,1-Dichloroethene	0.298	0.295	1.0	82	0.00
11	TP	Carbon disulfide	0.517	0.523	-1.2	84	0.00
12	TP	Freon-113	0.306	0.313	-2.3	84	0.00
14	TP	Acrolein	0.038	0.037	2.6	86	0.00
15	TP	Methylene chloride	0.253	0.228	9.9	76	0.00
17	TP	Acetone	0.070	0.066	5.7	78	0.00
18	TP	trans-1,2-Dichloroethene	0.242	0.217	10.3	74	0.00
19	TP	Methyl acetate	0.174	0.146	16.1	73	-0.01
20	TP	Methyl tert-butyl ether	0.647	0.526	18.7	67	0.00
21	TP	tert-Butyl alcohol	0.030	0.024	20.0	71	-0.01
22	TP	Diisopropyl ether	0.675	0.557	17.5	69	0.00
23	TP	1,1-Dichloroethane	0.390	0.370	5.1	77	-0.01
24	TP	Halothane	0.198	0.182	8.1	76	-0.01
25	TP	Acrylonitrile	0.077	0.076	1.3	82	0.00
26	TP	Ethyl tert-butyl ether	0.706	0.575	18.6	68	-0.01
27	TP	Vinyl acetate	0.466	0.445	4.5	81	-0.01
28	TP	cis-1,2-Dichloroethene	0.279	0.260	6.8	76	0.00
29	TP	2,2-Dichloropropane	0.363	0.323	11.0	76	-0.01
30	TP	Bromochloromethane	0.154	0.147	4.5	77	0.00
31	TP	Cyclohexane	0.335	0.293	12.5	74	0.00
32	TC	Chloroform	0.445	0.423	4.9	79	-0.02
33	TP	Ethyl acetate	0.237	0.198	16.5	69	-0.01
34	TP	Carbon tetrachloride	0.353	0.313	11.3	73	-0.01
35	TP	Tetrahydrofuran	0.077	0.056	27.3#	62	0.00
36	S	Dibromofluoromethane	0.293	0.301	-2.7	83	-0.01
37	TP	1,1,1-Trichloroethane	0.390	0.347	11.0	74	0.00
39	TP	2-Butanone	0.116	0.101	12.9	75	-0.02
40	TP	1,1-Dichloropropene	0.311	0.272	12.5	73	0.00
41	TP	Benzene	0.931	0.861	7.5	76	-0.01
42	TP	tert-Amyl methyl ether	0.741	0.554	25.2#	65	0.00
43	S	1,2-Dichloroethane-d4	0.309	0.325	-5.2	85	-0.01

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-2
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	0.348	0.338	2.9	82	-0.01
47	TP	Methyl cyclohexane	0.389	0.324	16.7	71	-0.01
48	TP	Trichloroethene	0.271	0.242	10.7	72	0.00
50	TP	Dibromomethane	0.185	0.173	6.5	77	0.00
51	TC	1,2-Dichloropropane	0.235	0.230	2.1	83	0.00
53	TP	2-Chloroethyl vinyl ether	0.158	0.123	22.2#	66	-0.01
54	TP	Bromodichloromethane	0.352	0.316	10.2	76	-0.01
57	TP	1,4-Dioxane	0.00274	0.00259#	5.5	78	-0.01
58	TP	cis-1,3-Dichloropropene	0.414	0.365	11.8	75	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
60	S	Toluene-d8	1.209	1.204	0.4	83	-0.01
61	TC	Toluene	0.768	0.682	11.2	76	0.00
62	TP	4-Methyl-2-pentanone	0.111	0.088	20.7#	67	-0.01
63	TP	Tetrachloroethene	0.367	0.304	17.2	71	0.00
65	TP	trans-1,3-Dichloropropene	0.478	0.409	14.4	73	-0.01
67	TP	Ethyl methacrylate	0.381	0.277	27.3#	63	-0.01
68	TP	1,1,2-Trichloroethane	0.243	0.229	5.8	79	0.00
69	TP	Chlorodibromomethane	0.377	0.316	16.2	73	0.00
70	TP	1,3-Dichloropropane	0.492	0.465	5.5	79	0.00
71	TP	1,2-Dibromoethane	0.327	0.281	14.1	73	0.00
72	TP	2-Hexanone	0.219	0.166	24.2#	66	0.00
73	TP	Chlorobenzene	0.946	0.837	11.5	77	0.00
74	TC	Ethylbenzene	1.473	1.262	14.3	74	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.360	0.300	16.7	74	0.00
76	TP	p/m Xylene	0.612	0.532	13.1	77	0.00
77	TP	o Xylene	0.583	0.503	13.7	77	0.00
78	TP	Styrene	0.981	0.818	16.6	74	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
80	TP	Bromoform	0.479	0.360	24.8#	69	0.00
82	TP	Isopropylbenzene	2.721	2.380	12.5	75	0.00
83	S	4-Bromofluorobenzene	0.759	0.725	4.5	80	0.00
84	TP	Bromobenzene	0.783	0.667	14.8	73	0.00
85	TP	n-Propylbenzene	3.135	2.828	9.8	77	0.00
86	TP	1,4-Dichlorobutane	0.767	0.670	12.6	78	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.704	0.677	3.8	81	0.00
88	TP	4-Ethyltoluene	2.652	2.320	12.5	75	0.00
89	TP	2-Chlorotoluene	2.120	1.916	9.6	77	0.00

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-2
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	2.295	1.971	14.1	75	0.00
91 TP	1,2,3-Trichloropropane	0.601	0.519	13.6	76	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.186	0.167	10.2	78	0.00
93 TP	4-Chlorotoluene	1.898	1.699	10.5	77	0.00
94 TP	tert-Butylbenzene	2.070	1.745	15.7	73	0.00
97 TP	1,2,4-Trimethylbenzene	2.276	1.904	16.3	73	0.00
98 TP	sec-Butylbenzene	2.941	2.615	11.1	77	0.00
99 TP	p-Isopropyltoluene	2.659	2.249	15.4	74	0.00
100 TP	1,3-Dichlorobenzene	1.513	1.311	13.4	76	0.00
101 TP	1,4-Dichlorobenzene	1.532	1.348	12.0	76	0.00
102 TP	p-Diethylbenzene	1.582	1.282	19.0	72	0.00
103 TP	n-Butylbenzene	2.212	2.029	8.3	80	0.00
104 TP	1,2-Dichlorobenzene	1.488	1.321	11.2	77	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.470	1.857	24.8#	69	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.147	0.124	15.6	72	0.00
107 TP	1,3,5-Trichlorobenzene	1.108	0.941	15.1	77	0.00
108 TP	Hexachlorobutadiene	0.465	0.381	18.1	72	0.00
109 TP	1,2,4-Trichlorobenzene	1.050	0.899	14.4	75	0.00
110 TP	Naphthalene	2.791	2.455	12.0	77	0.00
111 TP	1,2,3-Trichlorobenzene	1.054	0.877	16.8	74	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-2
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.620	96	192015	10.000 ug/L	0.00
Standard Area 1 = 192015			Recovery = 100.00%		
59) Chlorobenzene-d5	8.572	117	156468	10.000 ug/L	0.00
Standard Area 1 = 156468			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	10.051	152	85868	10.000 ug/L	0.00
Standard Area 1 = 85868			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.650	113	57876	10.271 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.71%		
43) 1,2-Dichloroethane-d4	5.274	65	62372	10.522 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.22%		
60) Toluene-d8	7.298	98	188432	9.961 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.61%		
83) 4-Bromofluorobenzene	9.379	95	62262	9.554 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.54%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.012	85	29665	8.241 ug/L	99
3) Chloromethane	1.148	50	35733	8.874 ug/L	99
4) Vinyl chloride	1.190	62	43814	10.102 ug/L	95
5) Bromomethane	1.405	94	36679	8.700 ug/L	96
6) Chloroethane	1.489	64	91394	20.600 ug/L	96
7) Trichlorofluoromethane	1.593	101	97619	10.081 ug/L	97
8) Ethyl ether	1.835	74	31940	10.162 ug/L #	64
10) 1,1-Dichloroethene	1.971	96	56616	9.894 ug/L #	56
11) Carbon disulfide	1.976	76	100500	10.121 ug/L	99
12) Freon-113	2.013	101	60185	10.238 ug/L	95
14) Acrolein	2.254	56	7154	9.747 ug/L	94
15) Methylene chloride	2.474	84	43692	8.981 ug/L	66
17) Acetone	2.532	43	12668	9.490 ug/L	99
18) trans-1,2-Dichloroethene	2.626	96	41730	8.994 ug/L #	67
19) Methyl acetate	2.663	43	27966	8.372 ug/L #	84
20) Methyl tert-butyl ether	2.768	73	100938	8.123 ug/L	94
21) tert-Butyl alcohol	2.920	59	23126	40.518 ug/L #	54
22) Diisopropyl ether	3.219	45	106904	8.254 ug/L #	80
23) 1,1-Dichloroethane	3.282	63	71024	9.481 ug/L	97
24) Halothane	3.434	117	34934	9.200 ug/L	99
25) Acrylonitrile	3.350	53	14559	9.815 ug/L	96

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-2
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	3.675	59	110436	8.150	ug/L	#	81
27) Vinyl acetate	3.670	43	85423	9.554	ug/L	#	90
28) cis-1,2-Dichloroethene	4.000	96	49850	9.298	ug/L	#	64
29) 2,2-Dichloropropane	4.142	77	62017	8.905	ug/L		97
30) Bromochloromethane	4.267	128	28231	9.528	ug/L	#	47
31) Cyclohexane	4.257	56	56233	8.731	ug/L	#	51
32) Chloroform	4.414	83	81127	9.485	ug/L		97
33) Ethyl acetate	4.655	43	38092	8.368	ug/L	#	93
34) Carbon tetrachloride	4.545	117	60023	8.859	ug/L		99
35) Tetrahydrofuran	4.603	42	10719	7.236	ug/L	#	43
37) 1,1,1-Trichloroethane	4.640	97	66683	8.895	ug/L	#	97
39) 2-Butanone	4.828	43	19311	8.696	ug/L	#	39
40) 1,1-Dichloropropene	4.813	75	52151	8.745	ug/L		92
41) Benzene	5.106	78	165301	9.242	ug/L	#	89
42) tert-Amyl methyl ether	5.337	73	106347	7.471	ug/L		92
44) 1,2-Dichloroethane	5.353	62	64988	9.729	ug/L		97
47) Methyl cyclohexane	5.783	83	62185	8.328	ug/L	#	61
48) Trichloroethene	5.814	95	46544	8.950	ug/L		90
50) Dibromomethane	6.249	93	33230	9.359	ug/L		94
51) 1,2-Dichloropropane	6.365	63	44120	9.762	ug/L		95
53) 2-Chloroethyl vinyl ether	7.104	63	23660	7.813	ug/L	#	82
54) Bromodichloromethane	6.464	83	60597	8.972	ug/L	#	98
57) 1,4-Dioxane	6.684	88	24839	472.160	ug/L	#	68
58) cis-1,3-Dichloropropene	7.120	75	70049	8.804	ug/L		93
61) Toluene	7.350	92	106651	8.876	ug/L		99
62) 4-Methyl-2-pentanone	7.738	58	13796	7.913	ug/L	#	85
63) Tetrachloroethene	7.702	166	47598	8.299	ug/L		89
65) trans-1,3-Dichloropropene	7.754	75	63993	8.562	ug/L		98
67) Ethyl methacrylate	7.938	69	43304	7.272	ug/L		96
68) 1,1,2-Trichloroethane	7.885	83	35887	9.447	ug/L		91
69) Chlorodibromomethane	8.016	129	49386	8.366	ug/L		98
70) 1,3-Dichloropropane	8.090	76	72680	9.433	ug/L		99
71) 1,2-Dibromoethane	8.173	107	43947	8.579	ug/L		96
72) 2-Hexanone	8.404	43	25899	7.564	ug/L		96
73) Chlorobenzene	8.582	112	130944	8.843	ug/L	#	84
74) Ethylbenzene	8.624	91	197463	8.566	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.640	131	46922	8.325	ug/L		95
76) p/m Xylene	8.729	106	166442	17.393	ug/L		86
77) o Xylene	9.007	106	157286	17.244	ug/L		82
78) Styrene	9.044	104	255839	16.672	ug/L	#	83

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-2
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.049	173	30954	7.529	ug/L		98
82) Isopropylbenzene	9.217	105	204334	8.744	ug/L		94
84) Bromobenzene	9.437	156	57267	8.519	ug/L		98
85) n-Propylbenzene	9.474	91	242804	9.019	ug/L		95
86) 1,4-Dichlorobutane	9.474	55	57492	8.728	ug/L		99
87) 1,1,2,2-Tetrachloroethane	9.521	83	58121	9.612	ug/L		98
88) 4-Ethyltoluene	9.542	105	199213	8.747	ug/L		93
89) 2-Chlorotoluene	9.558	91	164519	9.039	ug/L	#	86
90) 1,3,5-Trimethylbenzene	9.600	105	169286	8.590	ug/L		89
91) 1,2,3-Trichloropropane	9.589	75	44596	8.635	ug/L		93
92) trans-1,4-Dichloro-2-b...	9.621	53	14369	8.991	ug/L	#	84
93) 4-Chlorotoluene	9.657	91	145918M3	8.955	ug/L		
94) tert-Butylbenzene	9.783	119	149836	8.428	ug/L		93
97) 1,2,4-Trimethylbenzene	9.825	105	163491	8.365	ug/L		90
98) sec-Butylbenzene	9.888	105	224503	8.891	ug/L		96
99) p-Isopropyltoluene	9.977	119	193128	8.460	ug/L		92
100) 1,3-Dichlorobenzene	10.003	146	112557	8.666	ug/L		96
101) 1,4-Dichlorobenzene	10.056	146	115752	8.800	ug/L		96
102) p-Diethylbenzene	10.187	119	110056	8.102	ug/L		92
103) n-Butylbenzene	10.218	91	174198	9.173	ug/L		95
104) 1,2-Dichlorobenzene	10.297	146	113414	8.878	ug/L		95
105) 1,2,4,5-Tetramethylben...	10.638	119	159470	7.519	ug/L		93
106) 1,2-Dibromo-3-chloropr...	10.753	155	10619	8.417	ug/L		98
107) 1,3,5-Trichlorobenzene	10.769	180	80801	8.493	ug/L		94
108) Hexachlorobutadiene	11.115	225	32681	8.177	ug/L		91
109) 1,2,4-Trichlorobenzene	11.125	180	77182	8.563	ug/L		96
110) Naphthalene	11.309	128	210789	8.795	ug/L		100
111) 1,2,3-Trichlorobenzene	11.408	180	75265	8.312	ug/L		100

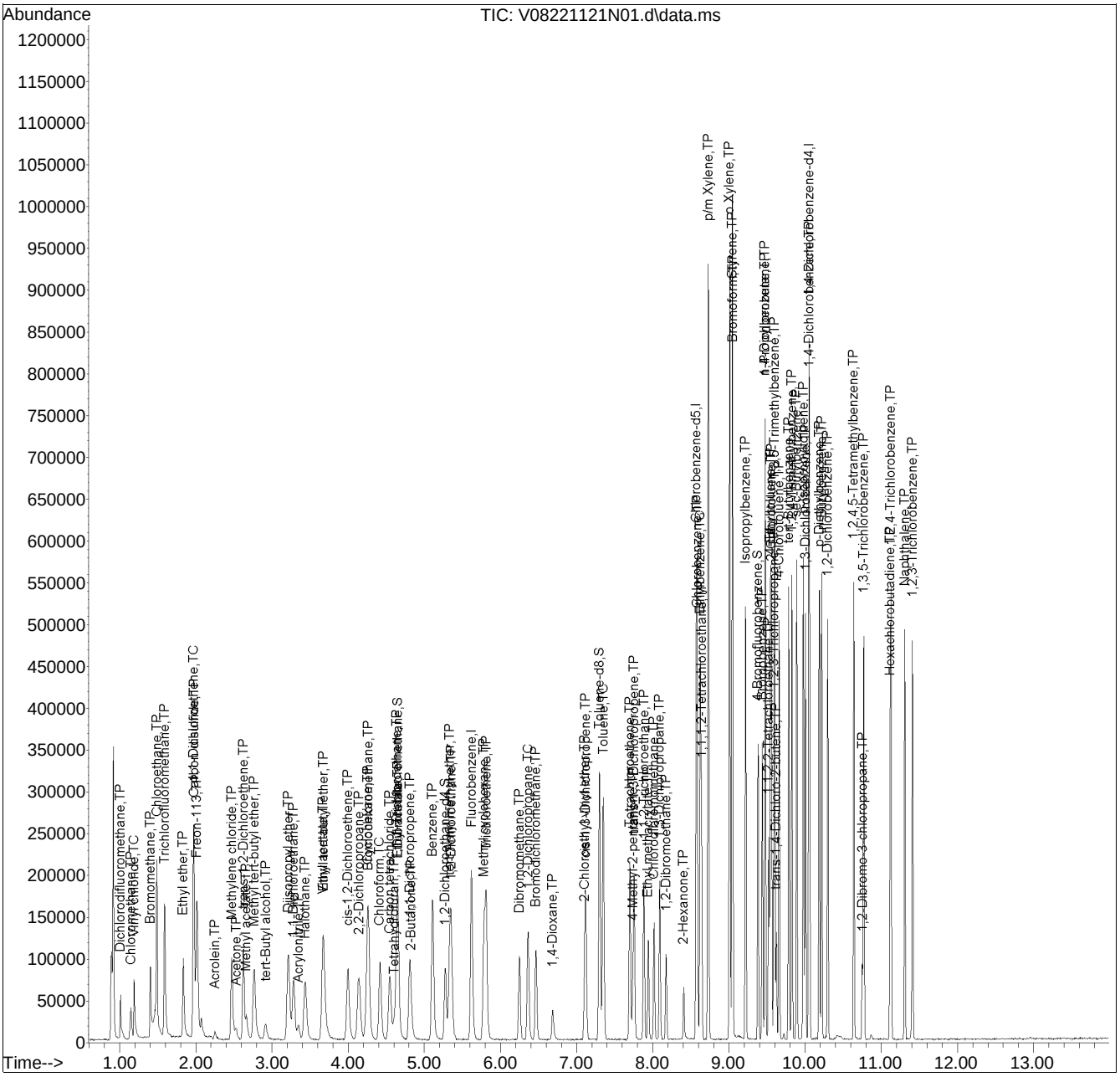
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-2
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

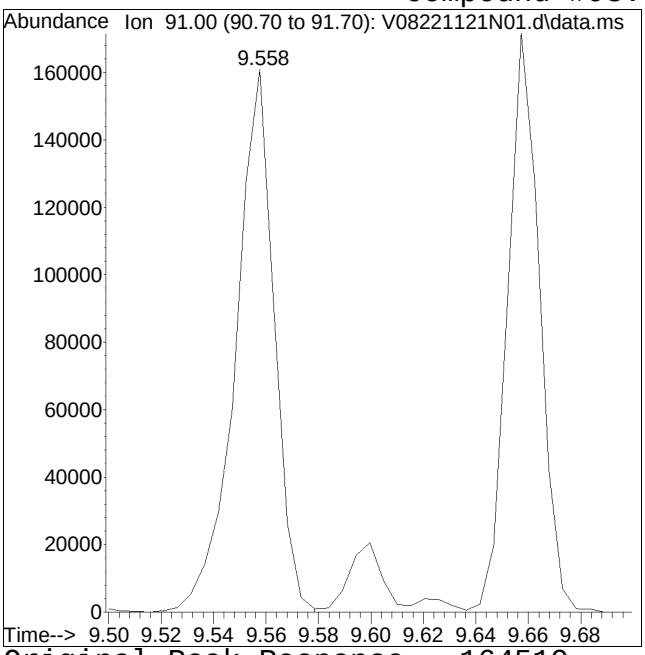


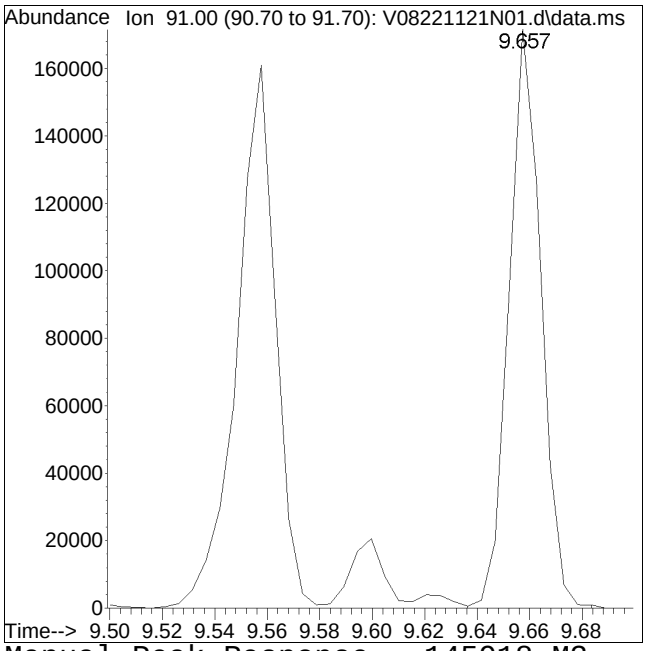
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2022\2Q
Data File : V08221121N01.d
Date Inj'd : 11/21/2022 6:15 pm
Sample : WG1715252-2

Method : V108_221110N_8260.m
Operator : VOA108:AJK
Instrument : VOA 108
Quant Date : 11/21/2022 6:41 pm

Compound #93: 4-Chlorotoluene





Original Peak Response = 164519 Manual Peak Response = 145918 M3

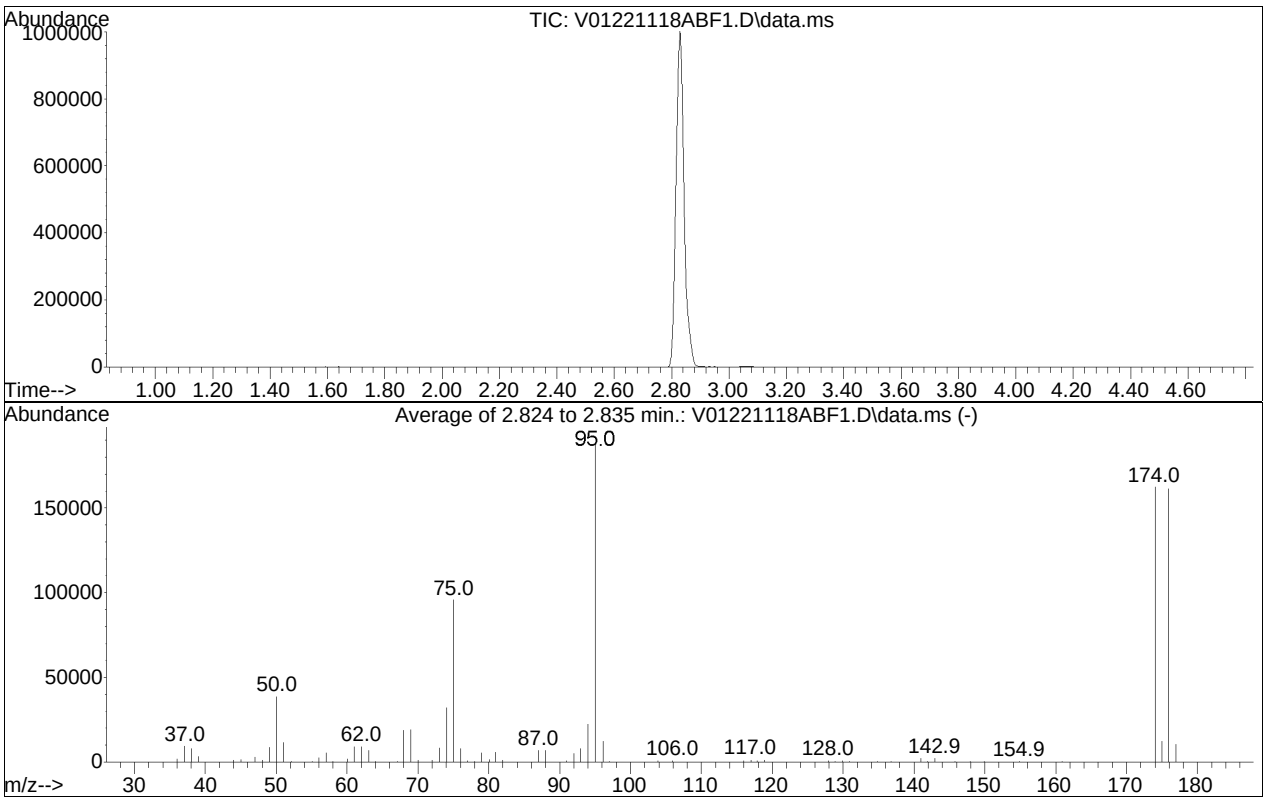
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

BFB

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118ABF1.D
Acq On : 18 Nov 2022 8:02 am
Operator : VOA101:PID
Sample : WG1714394-1
Misc : WG1714394
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Sep 16 14:19:11 2022



AutoFind: Scans 236, 237, 238; Background Corrected with Scan 226

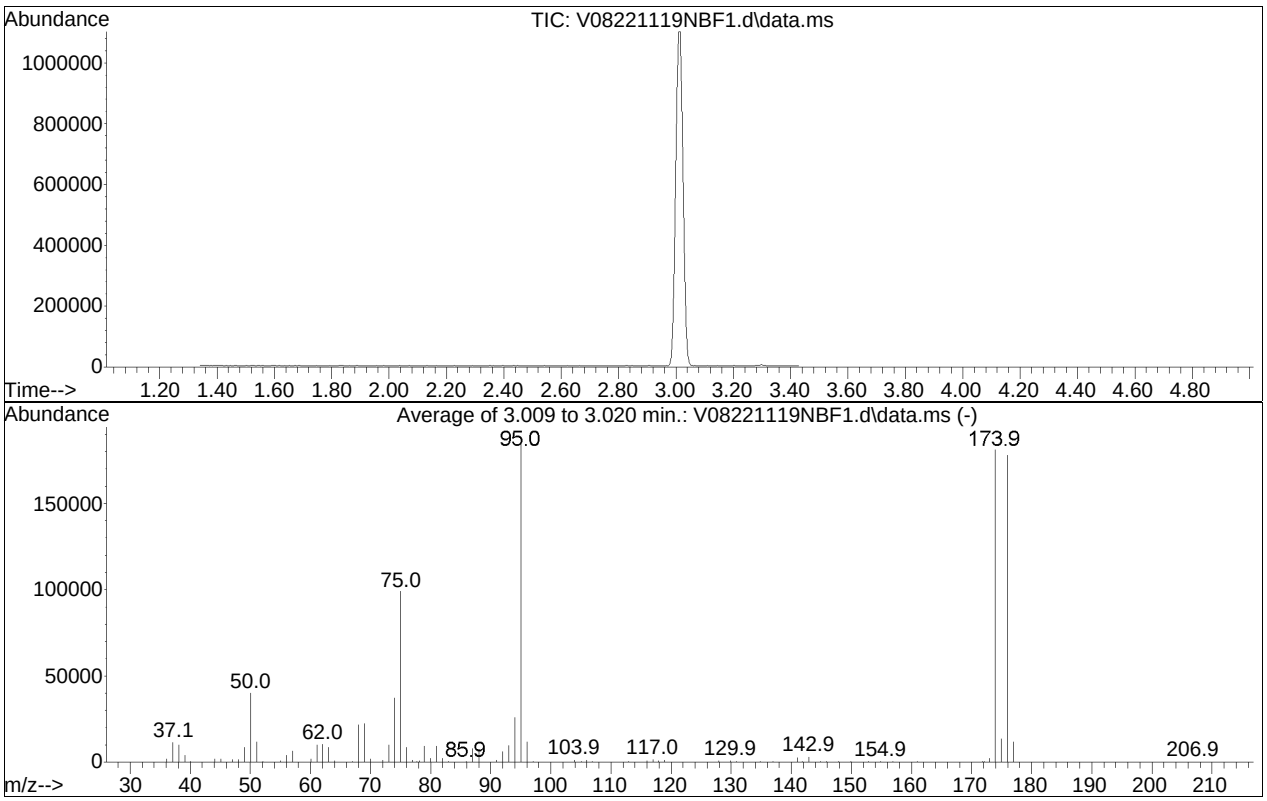
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.5	38680	PASS
75	95	30	60	50.9	96029	PASS
95	95	100	100	100.0	188565	PASS
96	95	5	9	6.6	12514	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.2	162475	PASS
175	174	5	9	7.7	12526	PASS
176	174	95	101	99.3	161365	PASS
177	176	5	9	6.6	10598	PASS

BFB

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119NBF1.d
Acq On : 19 Nov 2022 6:47 pm
Operator : VOA108:PID
Sample : WG1714899-1
Misc : WG1714899
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 11 07:43:37 2022



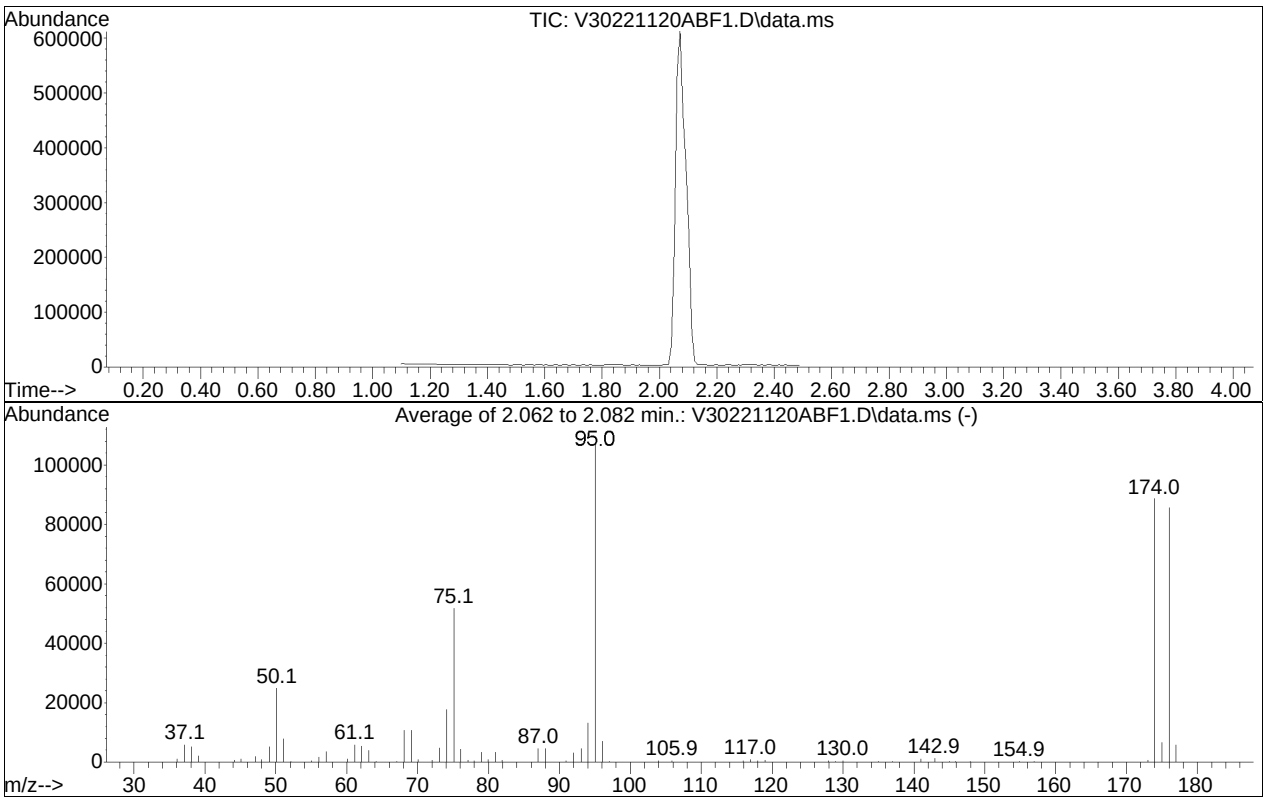
AutoFind: Scans 319, 320, 321; Background Corrected with Scan 310

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	39853	PASS
75	95	30	60	53.5	99045	PASS
95	95	100	100	100.0	185301	PASS
96	95	5	9	6.4	11802	PASS
173	174	0.00	2	1.3	2390	PASS
174	95	50	100	97.8	181291	PASS
175	174	5	9	7.4	13504	PASS
176	174	95	101	98.2	178091	PASS
177	176	5	9	6.6	11733	PASS

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120ABF1.D
Acq On : 20 Nov 2022 07:56 am
Operator : VOA130:NLK
Sample : WG1714939-1
Misc : WG1714939
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Oct 13 11:46:57 2022



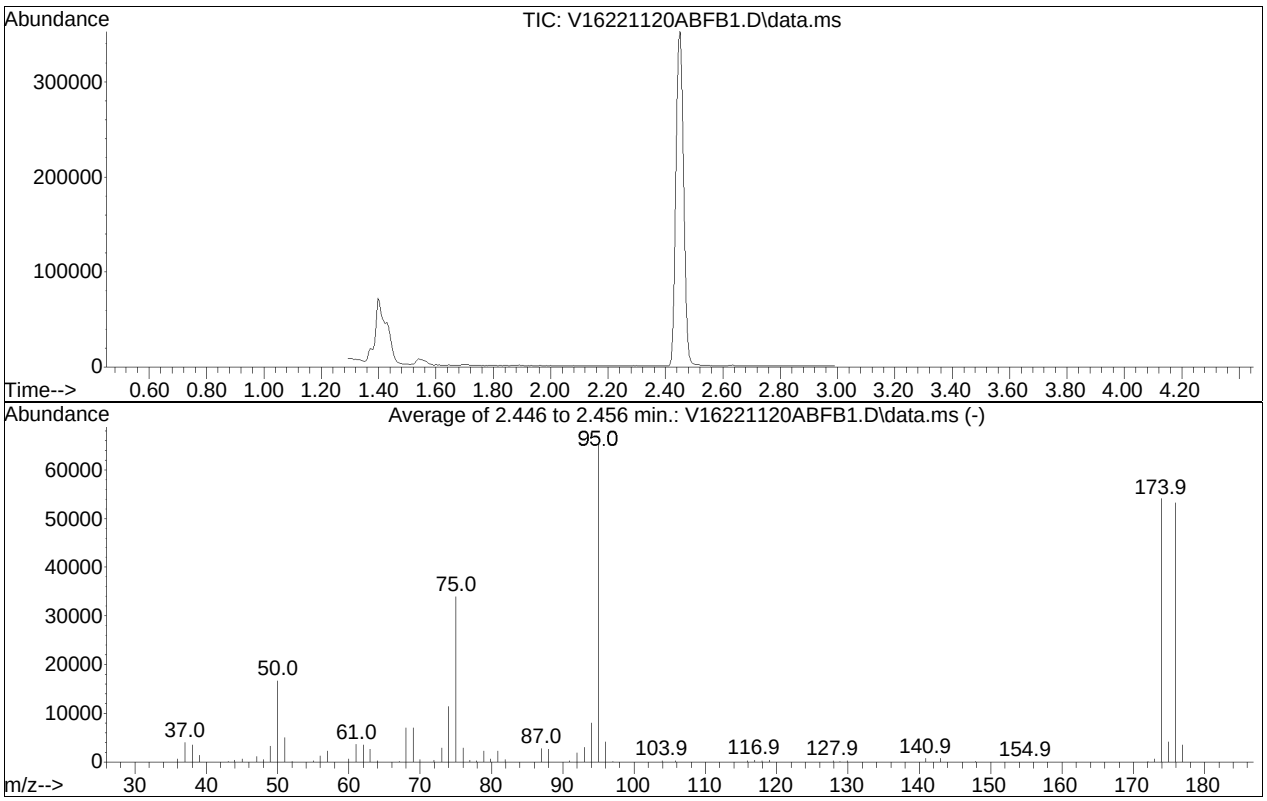
AutoFind: Scans 96, 97, 98; Background Corrected with Scan 90

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	25019	PASS
75	95	30	60	48.2	51840	PASS
95	95	100	100	100.0	107539	PASS
96	95	5	9	6.6	7085	PASS
173	174	0.00	2	0.8	707	PASS
174	95	50	100	82.5	88723	PASS
175	174	5	9	7.5	6652	PASS
176	174	95	101	96.5	85597	PASS
177	176	5	9	6.7	5747	PASS

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120ABFB1.D
Acq On : 20 Nov 2022 08:04 am
Operator : VOA116:NLK
Sample : WG1714765-1
Misc : WG1714765
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Nov 14 08:29:26 2022



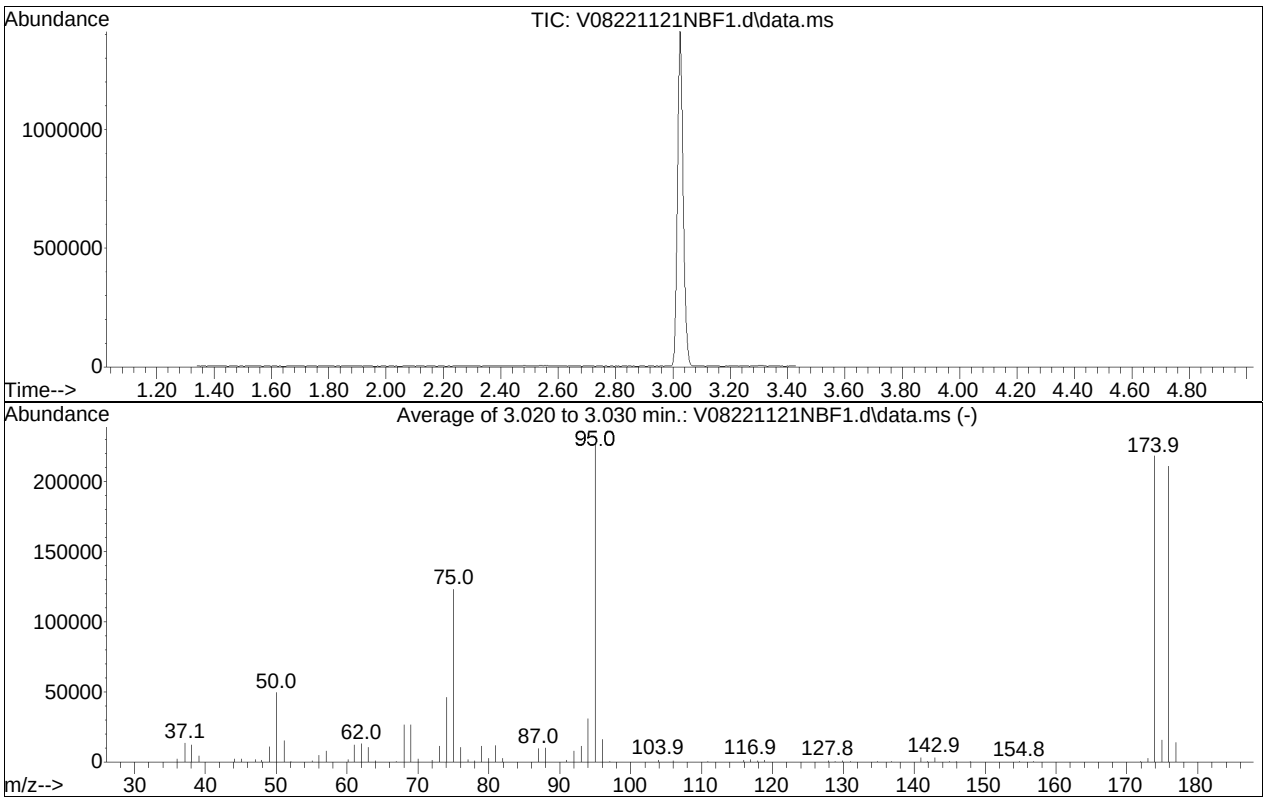
AutoFind: Scans 221, 222, 223; Background Corrected with Scan 212

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.5	16700	PASS
75	95	30	60	51.8	33939	PASS
95	95	100	100	100.0	65573	PASS
96	95	5	9	6.4	4207	PASS
173	174	0.00	2	1.1	619	PASS
174	95	50	100	82.6	54149	PASS
175	174	5	9	7.7	4177	PASS
176	174	95	101	98.2	53197	PASS
177	176	5	9	6.6	3513	PASS

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121NBF1.d
Acq On : 21 Nov 2022 5:54 pm
Operator : VOA108:AJK
Sample : WG1715252-1
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 11 07:43:37 2022



Spectrum Information: Average of 3.020 to 3.030 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	49395	PASS
75	95	30	60	54.0	123083	PASS
95	95	100	100	100.0	227755	PASS
96	95	5	9	7.0	16027	PASS
173	174	0.00	2	1.3	2927	PASS
174	95	50	100	95.8	218219	PASS
175	174	5	9	7.3	15954	PASS
176	174	95	101	96.7	211008	PASS
177	176	5	9	6.6	13867	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A08.D
Acq On : 18 Nov 2022 10:55 am
Operator : VOA101:PID
Sample : WG1714394-5,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 11:24:47 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	667067	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery =	95.73%		
59) Chlorobenzene-d5	9.652	117	506176	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery =	91.26%		
79) 1,4-Dichlorobenzene-d4	12.331	152	268959	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery =	90.18%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.310	113	174528	9.709	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.09%		
43) 1,2-Dichloroethane-d4	5.837	65	197888	10.064	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.64%		
60) Toluene-d8	7.805	98	663204	10.266	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.66%		
83) 4-Bromofluorobenzene	11.138	95	251558	10.451	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.51%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.896	50	1033	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.301	94	2110	0.203	ug/L	91
6) Chloroethane	2.398	64	52	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.098	76	6080	0.174	ug/L	92
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.603	84	546	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.776	43	32	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	4.950	96	32	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.056	56	27	N.D.		
32) Chloroform	5.126	83	320	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A08.D
Acq On : 18 Nov 2022 10:55 am
Operator : VOA101:PID
Sample : WG1714394-5,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 11:24:47 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.335	43	56	N.D.		
41) Benzene	5.720	78	74	N.D.		
44) 1,2-Dichloroethane	5.915	62	86	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.277	95	117	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	7.133	88	1674M1	20.346	ug/L	
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.858	92	56	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	8.385	75	28	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	9.671	112	141	N.D.		
74) Ethylbenzene	9.710	91	215	N.D.		
76) p/m Xylene	9.939	106	35	N.D.		
77) o Xylene	10.471	106	26	N.D.		
78) Styrene	10.549	104	78	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.814	105	173	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.267	146	427	N.D.		
101) 1,4-Dichlorobenzene	12.345	146	1004	N.D.		
104) 1,2-Dichlorobenzene	12.769	146	104	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.186	180	1858	0.149	ug/L #	80
111) 1,2,3-Trichlorobenzene	14.640	180	2054	0.236	ug/L #	86

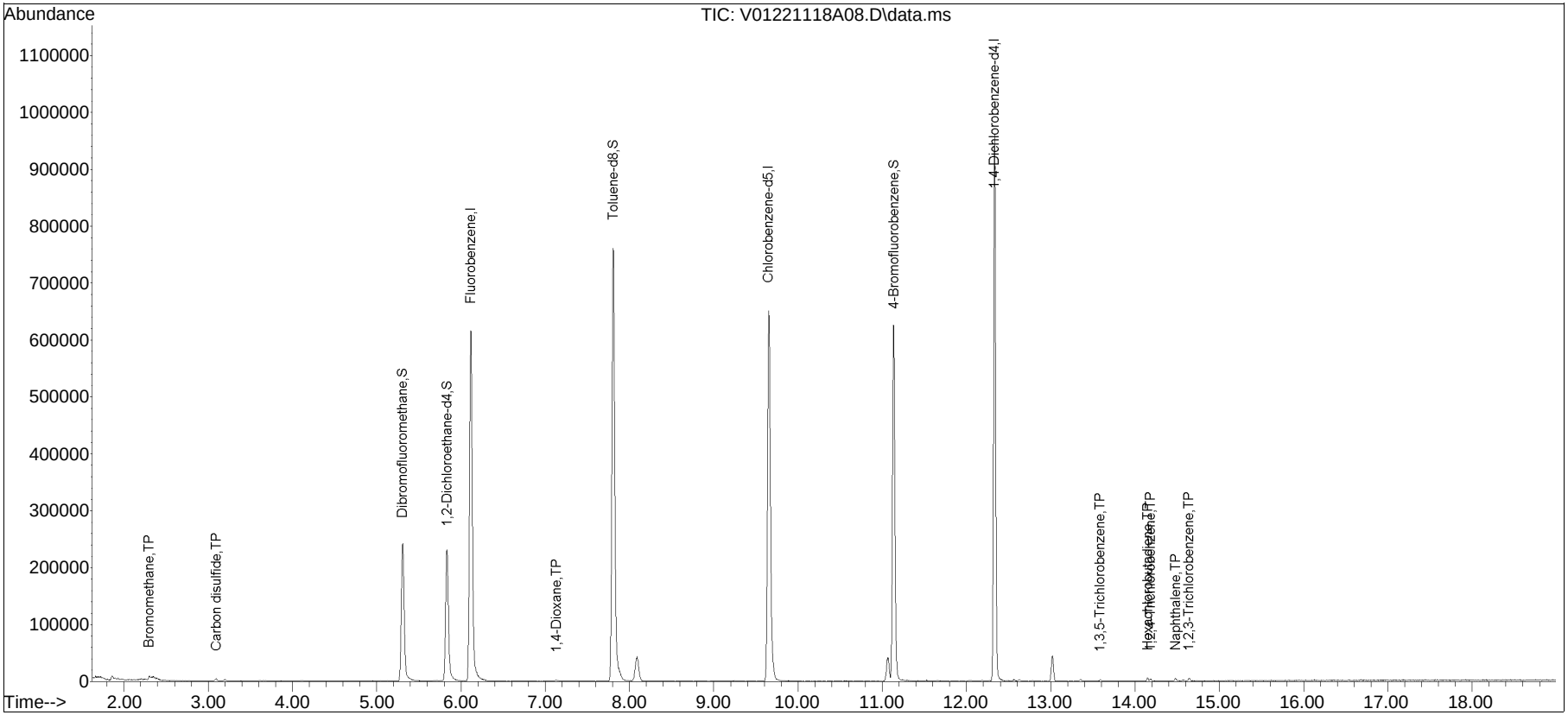
(#) = qualifier out of range (m) = manual integration (+) = signals summed

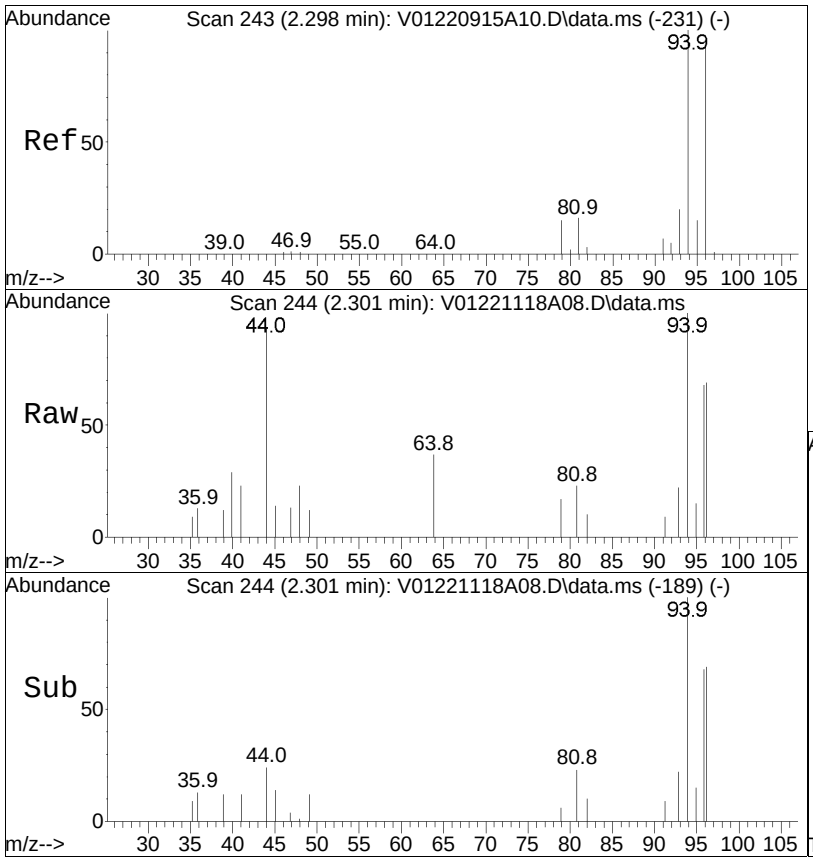
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A08.D
Acq On : 18 Nov 2022 10:55 am
Operator : VOA101:PID
Sample : WG1714394-5,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 11:24:47 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

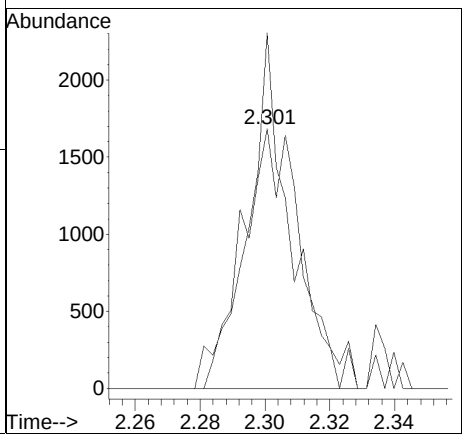


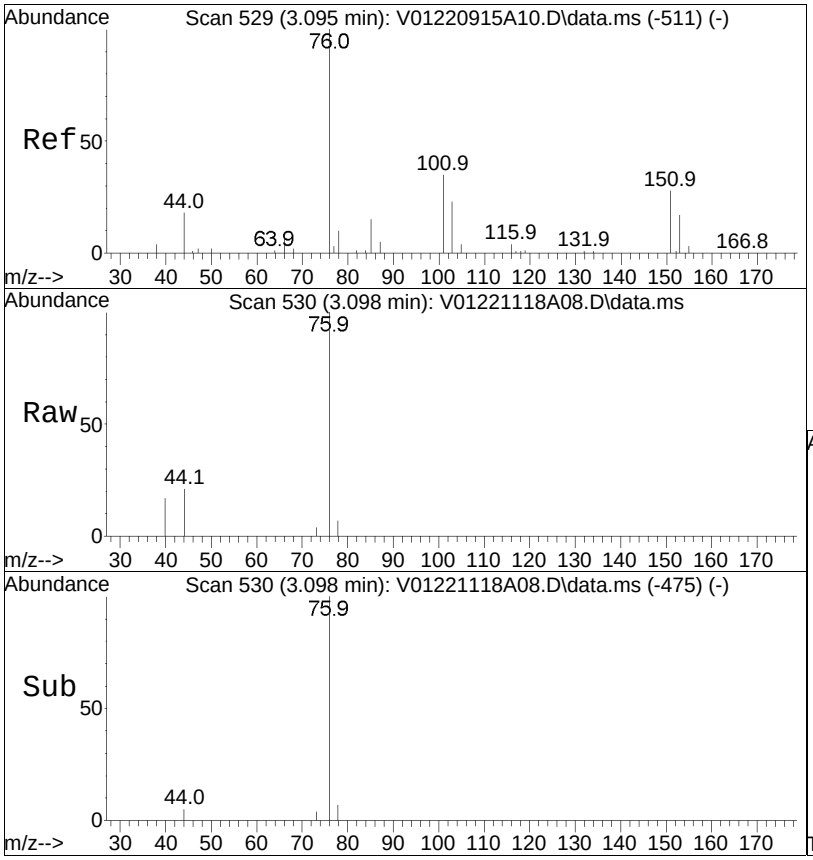


#5
Bromomethane
Concen: 0.20 ug/L
RT: 2.301 min Scan# 244
Delta R.T. 0.003 min
Lab File: V01221118A08.D
Acq: 18 Nov 2022 10:55 am

Tgt Ion: 94 Resp: 2110

Ion	Ratio	Lower	Upper
94	100		
96	102.0	73.6	113.6

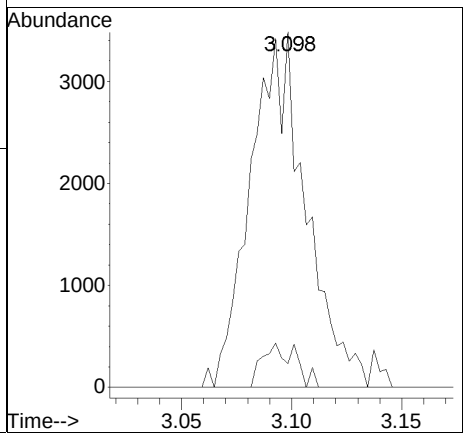


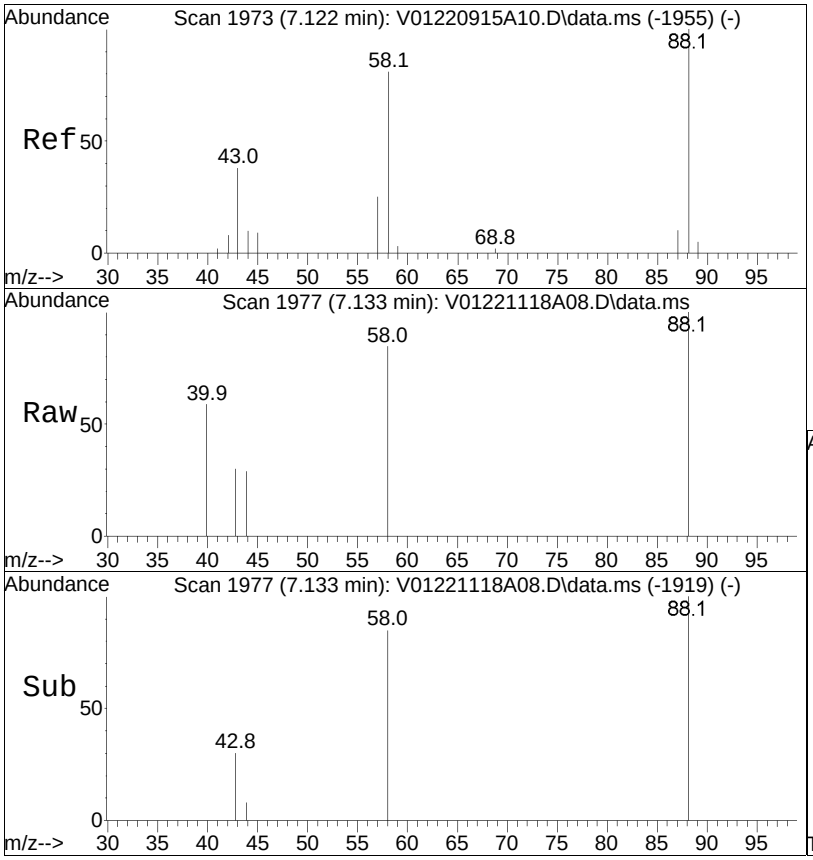


#11
Carbon disulfide
Concen: 0.17 ug/L
RT: 3.098 min Scan# 530
Delta R.T. 0.003 min
Lab File: V01221118A08.D
Acq: 18 Nov 2022 10:55 am

Tgt Ion: 76 Resp: 6080

Ion	Ratio	Lower	Upper
76	100		
78	7.4	6.6	13.8

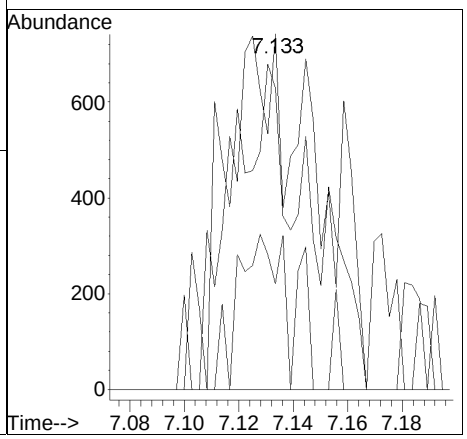


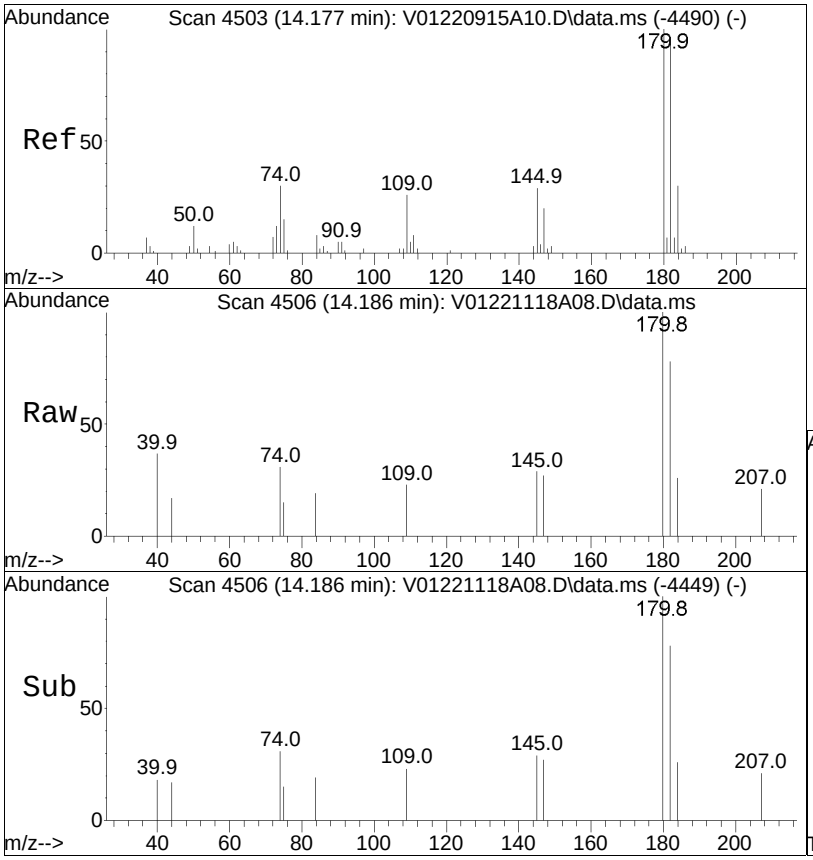


#57
1,4-Dioxane
Concen: 20.35 ug/L M1
RT: 7.133 min Scan# 1977
Delta R.T. 0.011 min
Lab File: V01221118A08.D
Acq: 18 Nov 2022 10:55 am

Tgt Ion: 88 Resp: 1674

Ion	Ratio	Lower	Upper
88	100		
58	25.0	54.8	82.2#
43	21.1	29.3	43.9#

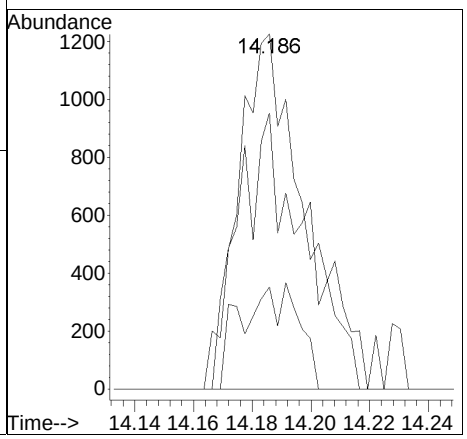


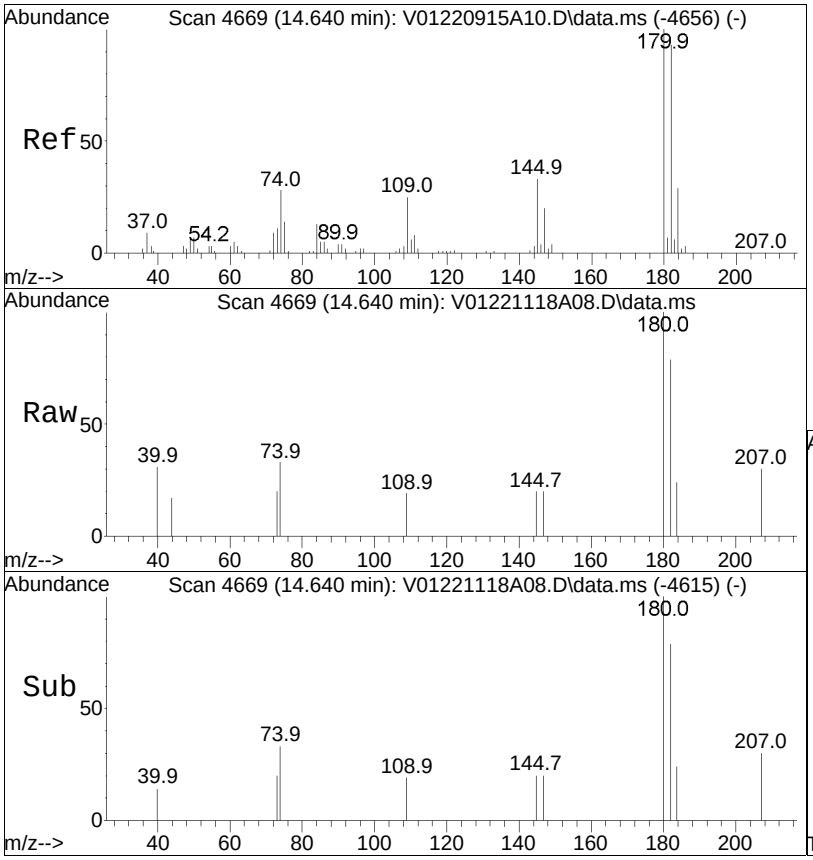


#109
1,2,4-Trichlorobenzene
Concen: 0.15 ug/L
RT: 14.186 min Scan# 4506
Delta R.T. 0.009 min
Lab File: V01221118A08.D
Acq: 18 Nov 2022 10:55 am

Tgt Ion:180 Resp: 1858

Ion	Ratio	Lower	Upper
180	100		
182	85.3	75.8	113.8
145	4.8	26.1	39.1#

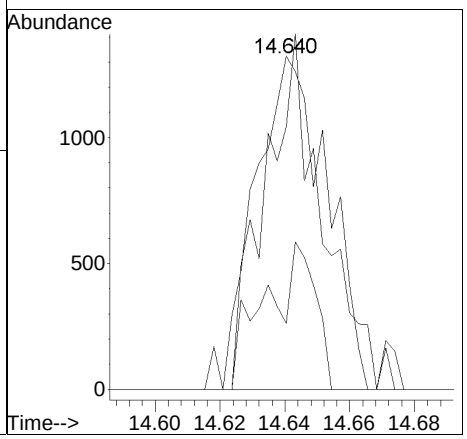




#111
1,2,3-Trichlorobenzene
Concen: 0.24 ug/L
RT: 14.640 min Scan# 4669
Delta R.T. 0.000 min
Lab File: V01221118A08.D
Acq: 18 Nov 2022 10:55 am

Tgt Ion:180 Resp: 2054

Ion	Ratio	Lower	Upper
180	100		
182	85.6	75.4	113.0
145	14.8	25.0	37.6#

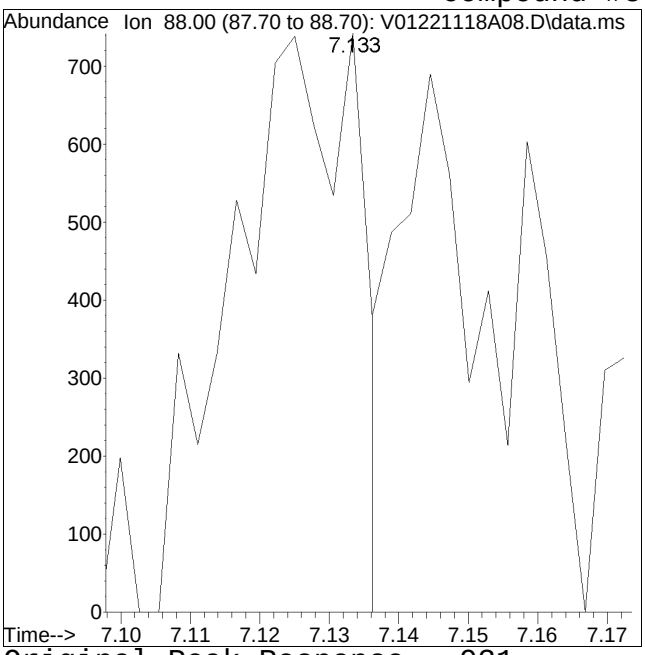


Manual Integration Report

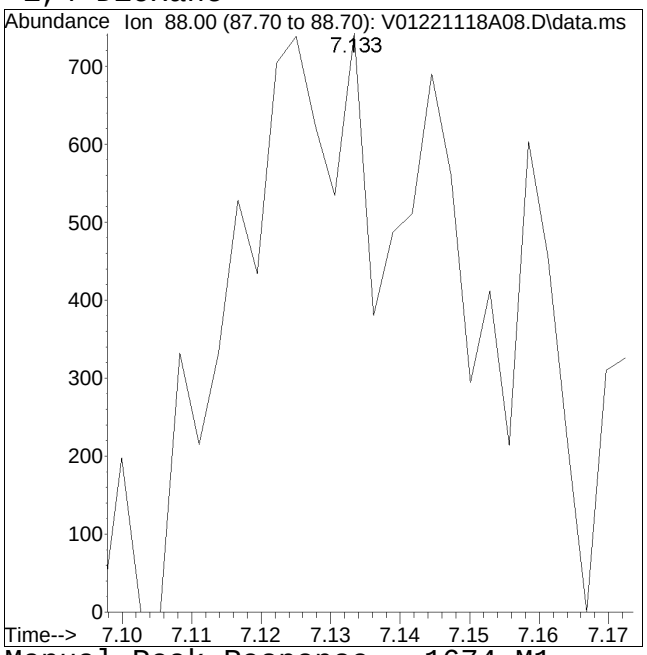
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221118A08.D
Date Inj'd : 11/18/2022 10:55 am
Sample : WG1714394-5,31,10,10

Method : V101_220915A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 11/18/2022 11:24 am

Compound #57: 1,4-Dioxane



Original Peak Response = 931



Manual Peak Response = 1674 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N05.d
Acq On : 19 Nov 2022 8:22 pm
Operator : VOA108:PID
Sample : WG1714899-5,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 20:48:58 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	177647	10.000 ug/L	0.00
Standard Area 1 = 198344			Recovery = 89.57%		
59) Chlorobenzene-d5	8.572	117	140000	10.000 ug/L	0.00
Standard Area 1 = 157340			Recovery = 88.98%		
79) 1,4-Dichlorobenzene-d4	10.050	152	70557	10.000 ug/L	0.00
Standard Area 1 = 87789			Recovery = 80.37%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.655	113	53773	10.314 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.14%		
43) 1,2-Dichloroethane-d4	5.279	65	58914	10.743 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.43%		
60) Toluene-d8	7.303	98	173889	10.273 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.73%		
83) 4-Bromofluorobenzene	9.379	95	54605	10.197 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.326	50	47	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.410	94	89	N.D.	
6) Chloroethane	1.494	64	320	0.078 ug/L #	1
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.071	96	51	N.D.	
11) Carbon disulfide	1.981	76	619	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	2.673	43	79	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.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	4.425	83	48	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N05.d
Acq On : 19 Nov 2022 8:22 pm
Operator : VOA108:PID
Sample : WG1714899-5,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 20:48:58 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.855	43	55	N.D.		
41) Benzene	5.122	78	47	N.D.		
44) 1,2-Dichloroethane	5.363	62	53	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.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.320	43	52	N.D.		
73) Chlorobenzene	8.582	112	216	N.D.		
74) Ethylbenzene	8.630	91	393	N.D.		
76) p/m Xylene	8.729	106	295	N.D.		
77) o Xylene	9.007	106	151	N.D.		
78) Styrene	9.044	104	501	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.222	105	252	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	10.003	146	488	N.D.		
101) 1,4-Dichlorobenzene	10.056	146	614	N.D.		
104) 1,2-Dichlorobenzene	10.302	146	365	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	11.130	180	634	0.086	ug/L #	94
111) 1,2,3-Trichlorobenzene	11.408	180	418	N.D.		

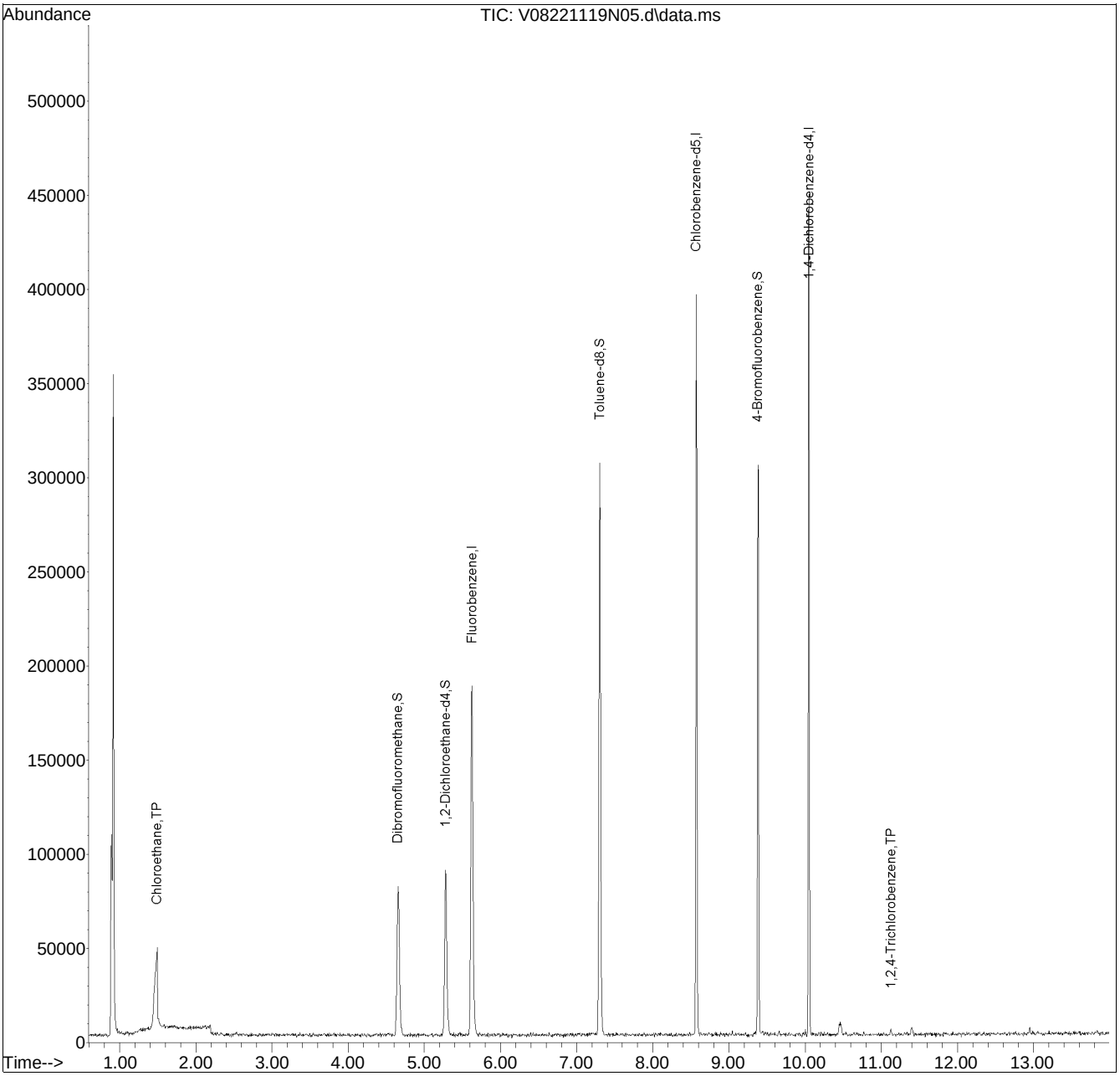
(#) = qualifier out of range (m) = manual integration (+) = signals summed

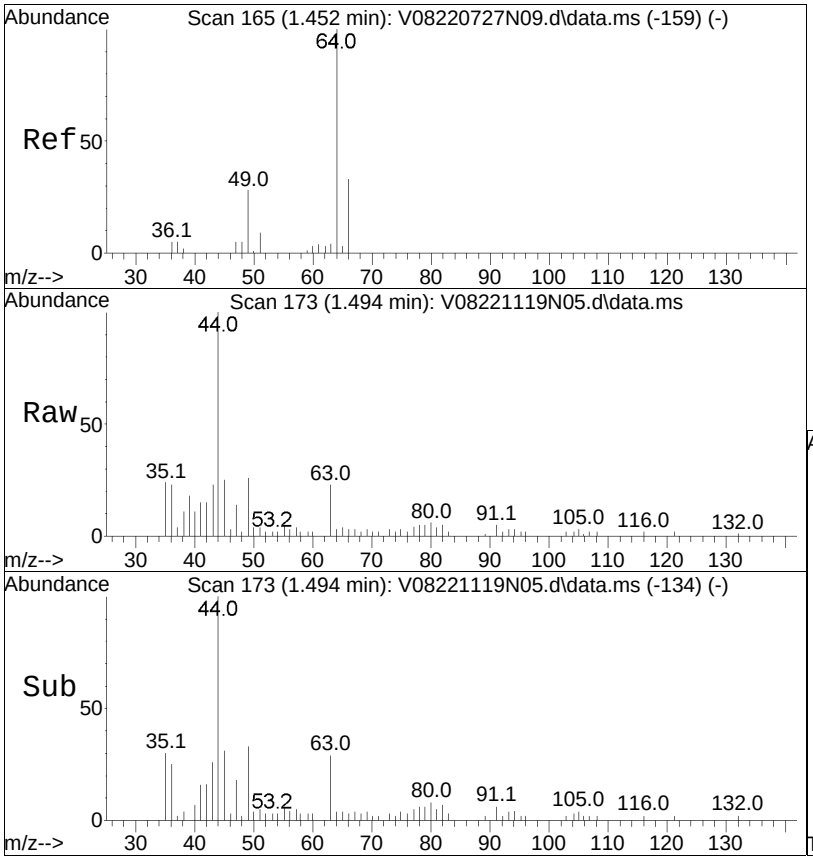
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N05.d
Acq On : 19 Nov 2022 8:22 pm
Operator : VOA108:PID
Sample : WG1714899-5,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 20:48:58 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

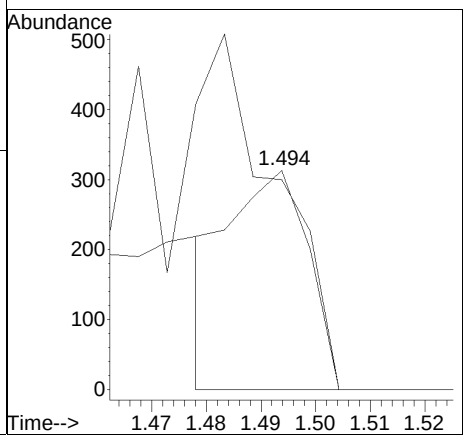


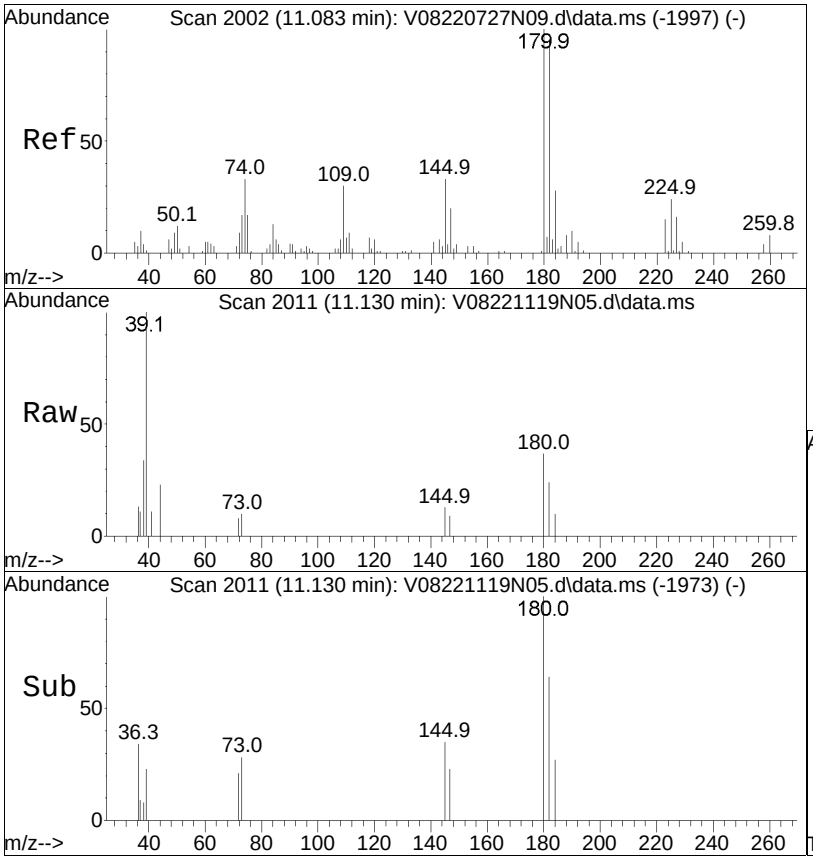


#6
Chloroethane
Concen: 0.08 ug/L
RT: 1.494 min Scan# 173
Delta R.T. 0.005 min
Lab File: V08221119N05.d
Acq: 19 Nov 2022 8:22 pm

Tgt Ion: 64 Resp: 320

Ion	Ratio	Lower	Upper
64	100		
66	171.6	9.8	49.8#

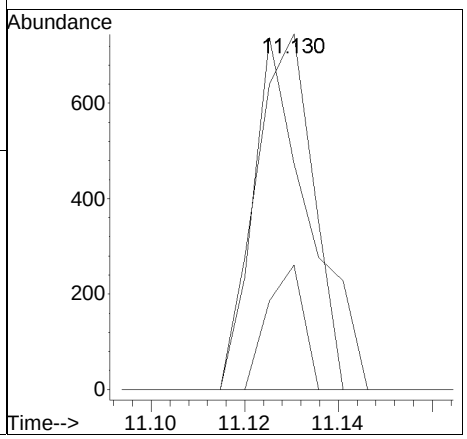




#109
1,2,4-Trichlorobenzene
Concen: 0.09 ug/L
RT: 11.130 min Scan# 2011
Delta R.T. 0.000 min
Lab File: V08221119N05.d
Acq: 19 Nov 2022 8:22 pm

Tgt Ion:180 Resp: 634

Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.3	115.9
145	22.2	28.1	42.1#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221119N05.d	Operator	: VOA108:PID
Date Inj'd	: 11/19/2022 8:22 pm	Instrument	: VOA 108
Sample	: WG1714899-5,31,10,10	Quant Date	: 11/19/2022 8:48 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A05.D
Acq On : 20 Nov 2022 09:33 am
Operator : VOA130:NLK
Sample : WG1714939-5,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 14:51:17 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221120A\V30221120A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.476	96	131689	10.000 ug/L	0.00
Standard Area 1 = 163963			Recovery = 80.32%		
59) Chlorobenzene-d5	8.487	117	113312	10.000 ug/L	0.00
Standard Area 1 = 124673			Recovery = 90.89%		
79) 1,4-Dichlorobenzene-d4	9.977	152	57958	10.000 ug/L	0.00
Standard Area 1 = 71075			Recovery = 81.54%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.483	113	45925	11.153 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.53%		
43) 1,2-Dichloroethane-d4	5.124	65	41982	10.082 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.82%		
60) Toluene-d8	7.182	98	132962	9.411 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.11%		
83) 4-Bromofluorobenzene	9.307	95	51460	11.162 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.62%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.053	50	144	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	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	1.856	76	549	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	2.336	84	526	0.178 ug/L #	1
17) Acetone	2.394	43	33	Below Cal #	44
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	2.394	43	33	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.	
30) Bromochloromethane	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.	

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A05.D
Acq On : 20 Nov 2022 09:33 am
Operator : VOA130:NLK
Sample : WG1714939-5,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 14:51:17 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221120A\V30221120A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

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.			
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	5.540	95	121	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	6.569	88	383	31.888	ug/L	#	81
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	8.482	43	61	N.D.			
73) Chlorobenzene	8.499	112	27	N.D.			
74) Ethylbenzene	8.538	91	40	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	8.970	104	31	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	9.302	105	38	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
100) 1,3-Dichlorobenzene	9.935	146	161	N.D.			
101) 1,4-Dichlorobenzene	9.988	146	245	N.D.			
104) 1,2-Dichlorobenzene	10.225	146	26	N.D.			
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
109) 1,2,4-Trichlorobenzene	11.056	180	383	0.084	ug/L	#	80
111) 1,2,3-Trichlorobenzene	11.340	180	194	N.D.			

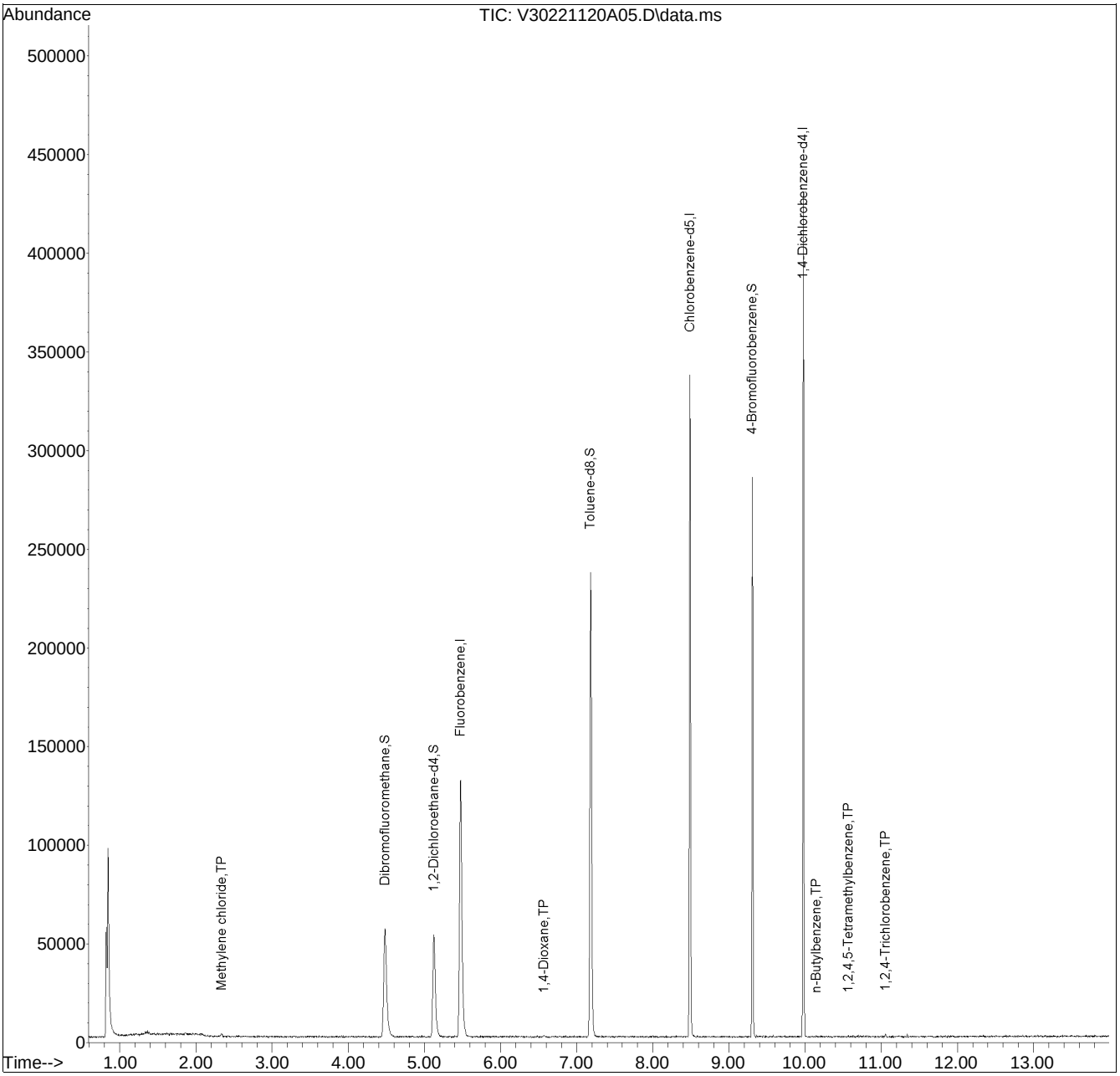
(#) = qualifier out of range (m) = manual integration (+) = signals summed

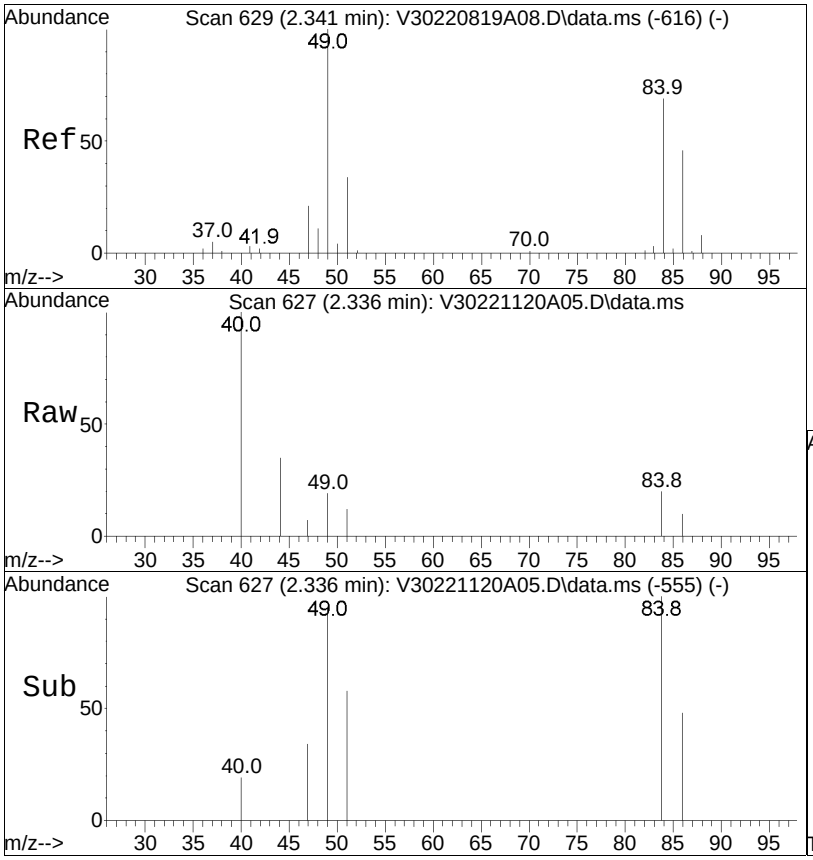
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A05.D
Acq On : 20 Nov 2022 09:33 am
Operator : VOA130:NLK
Sample : WG1714939-5,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 14:51:17 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve1.D•

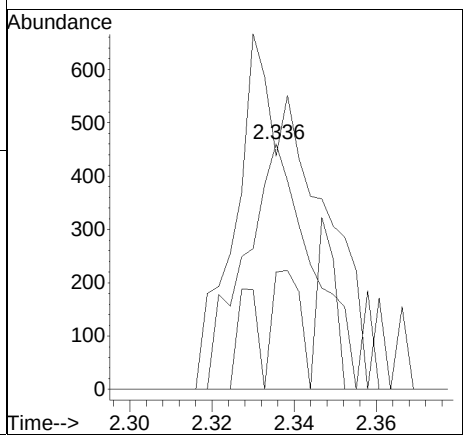


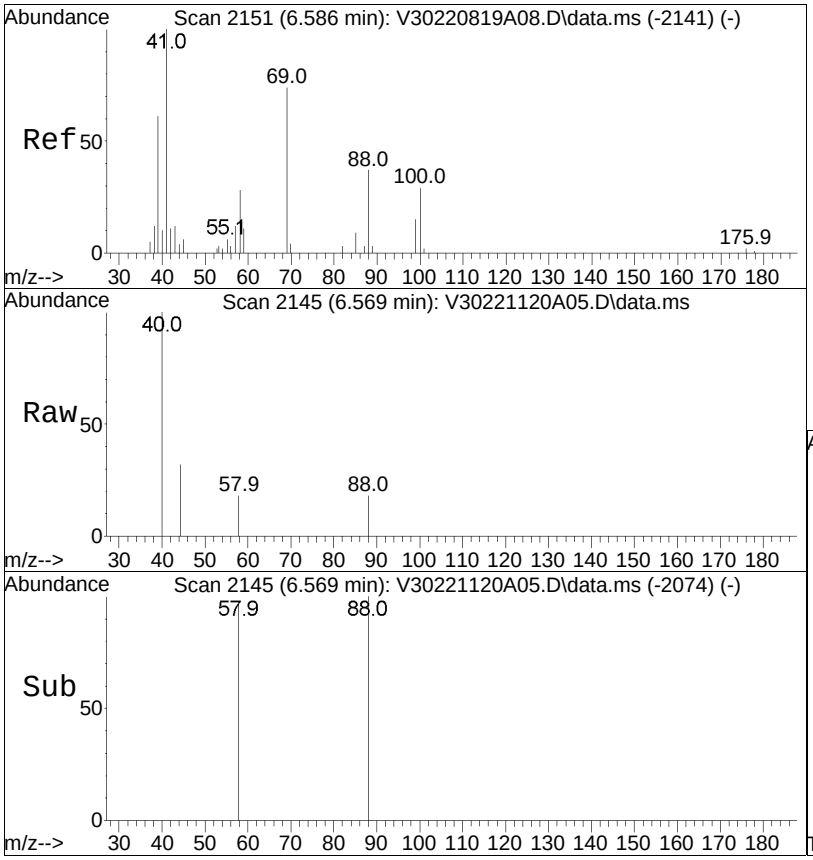


#15
Methylene chloride
Concen: 0.18 ug/L
RT: 2.336 min Scan# 627
Delta R.T. -0.000 min
Lab File: V30221120A05.D
Acq: 20 Nov 2022 09:33 am

Tgt Ion: 84 Resp: 526

Ion	Ratio	Lower	Upper
84	100		
86	20.0	40.4	83.8#
49	0.0	120.0	249.2#

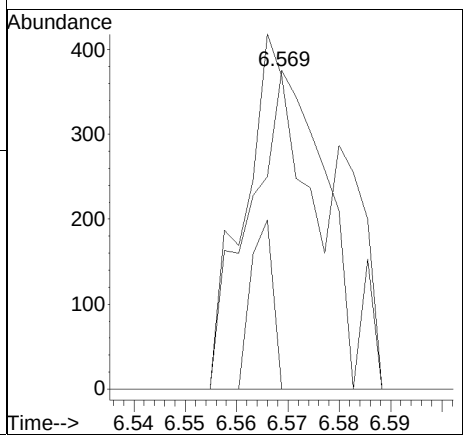


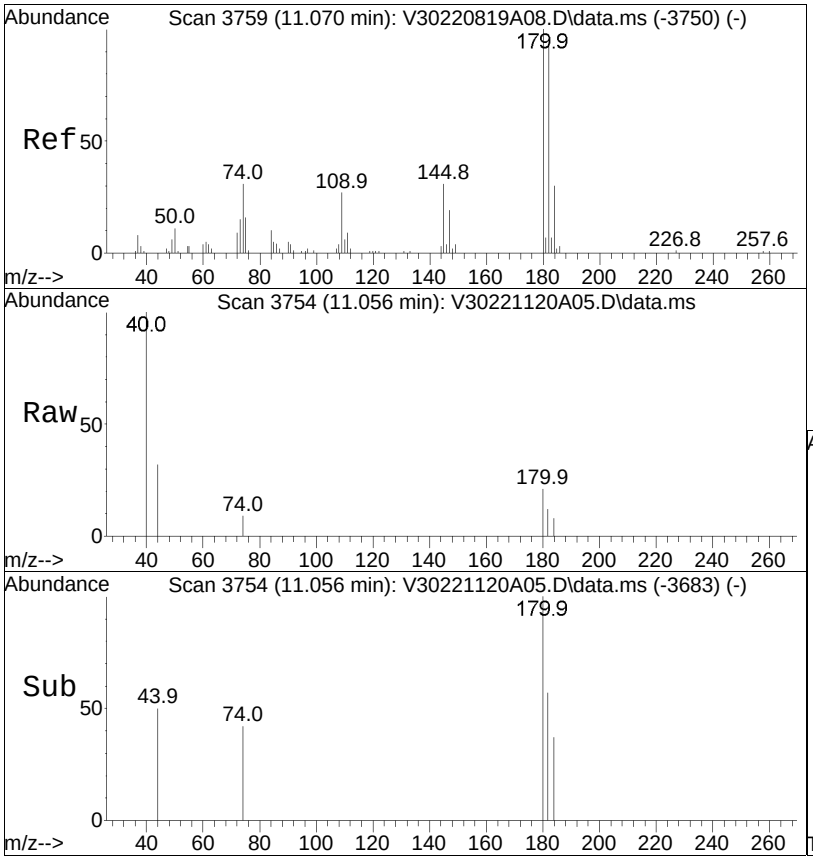


#57
1,4-Dioxane
Concen: 31.89 ug/L
RT: 6.569 min Scan# 2145
Delta R.T. -0.003 min
Lab File: V30221120A05.D
Acq: 20 Nov 2022 09:33 am

Tgt Ion: 88 Resp: 383

Ion	Ratio	Lower	Upper
88	100		
58	88.8	76.7	115.1
43	15.7	36.2	54.2#

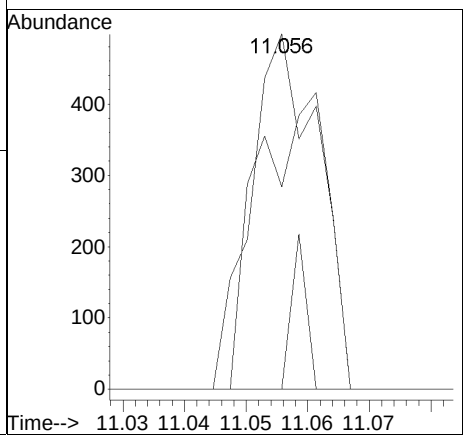




#109
1,2,4-Trichlorobenzene
Concen: 0.08 ug/L
RT: 11.056 min Scan# 3754
Delta R.T. -0.003 min
Lab File: V30221120A05.D
Acq: 20 Nov 2022 09:33 am

Tgt Ion:180 Resp: 383

Ion	Ratio	Lower	Upper
180	100		
182	85.9	77.3	115.9
145	9.4	28.1	42.1#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA130\2022\2	Q Method	: VOA130_221012N_8260.m
Data File	: V30221120A05.D	Operator	: VOA130:NLK
Date Inj'd	: 11/20/2022 9:33 am	Instrument	: VOA130
Sample	: WG1714939-5,31,10,10	Quant Date	: 11/20/2022 2:50 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A05.D
Acq On : 20 Nov 2022 10:04 am
Operator : VOA116:NLK
Sample : WG1714765-5,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 14:55:08 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.703	96	117735	10.000 ug/L	0.00
Standard Area 1 = 127592			Recovery = 92.27%		
63) Chlorobenzene-d5	9.222	117	91048	10.000 ug/L	0.00
Standard Area 1 = 100081			Recovery = 90.97%		
84) 1,4-Dichlorobenzene-d4	11.997	152	50581	10.000 ug/L	0.00
Standard Area 1 = 57288			Recovery = 88.29%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.898	113	33184	10.450 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.50%		
47) 1,2-Dichloroethane-d4	5.416	65	39421	10.220 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%		
64) Toluene-d8	7.391	98	114276	9.716 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.16%		
88) 4-Bromofluorobenzene	10.754	95	44134	9.238 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.38%		
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	0.000		0	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	0.000		0	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.250	84	318	0.102 ug/L #	32
17) Acetone	3.289	43	73	Below Cal #	49
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.289	43	73	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) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	
37) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A05.D
Acq On : 20 Nov 2022 10:04 am
Operator : VOA116:NLK
Sample : WG1714765-5,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 14:55:08 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0	N.D.		
42)	2-Butanone	0.000		0	N.D.		
45)	Benzene	0.000		0	N.D.		
48)	1,2-Dichloroethane	0.000		0	N.D.		
51)	Methyl cyclohexane	0.000		0	N.D.		
52)	Trichloroethene	0.000		0	N.D.		
55)	1,2-Dichloropropane	0.000		0	N.D.		
58)	Bromodichloromethane	0.000		0	N.D.		
61)	1,4-Dioxane	0.000		0	N.D.		
62)	cis-1,3-Dichloropropene	0.000		0	N.D.		
65)	Toluene	0.000		0	N.D.		
66)	4-Methyl-2-pentanone	0.000		0	N.D.		
67)	Tetrachloroethene	0.000		0	N.D.		
69)	trans-1,3-Dichloropropene	0.000		0	N.D.		
72)	1,1,2-Trichloroethane	0.000		0	N.D.		
73)	Chlorodibromomethane	0.000		0	N.D.		
75)	1,2-Dibromoethane	0.000		0	N.D.		
77)	2-Hexanone	0.000		0	N.D.		
78)	Chlorobenzene	0.000		0	N.D.		
79)	Ethylbenzene	0.000		0	N.D.		
81)	p/m Xylene	0.000		0	N.D.		
82)	o Xylene	0.000		0	N.D.		
83)	Styrene	0.000		0	N.D.		
85)	Bromoform	0.000		0	N.D.		
87)	Isopropylbenzene	0.000		0	N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105)	1,3-Dichlorobenzene	0.000		0	N.D.		
106)	1,4-Dichlorobenzene	0.000		0	N.D.		
109)	1,2-Dichlorobenzene	0.000		0	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
116)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

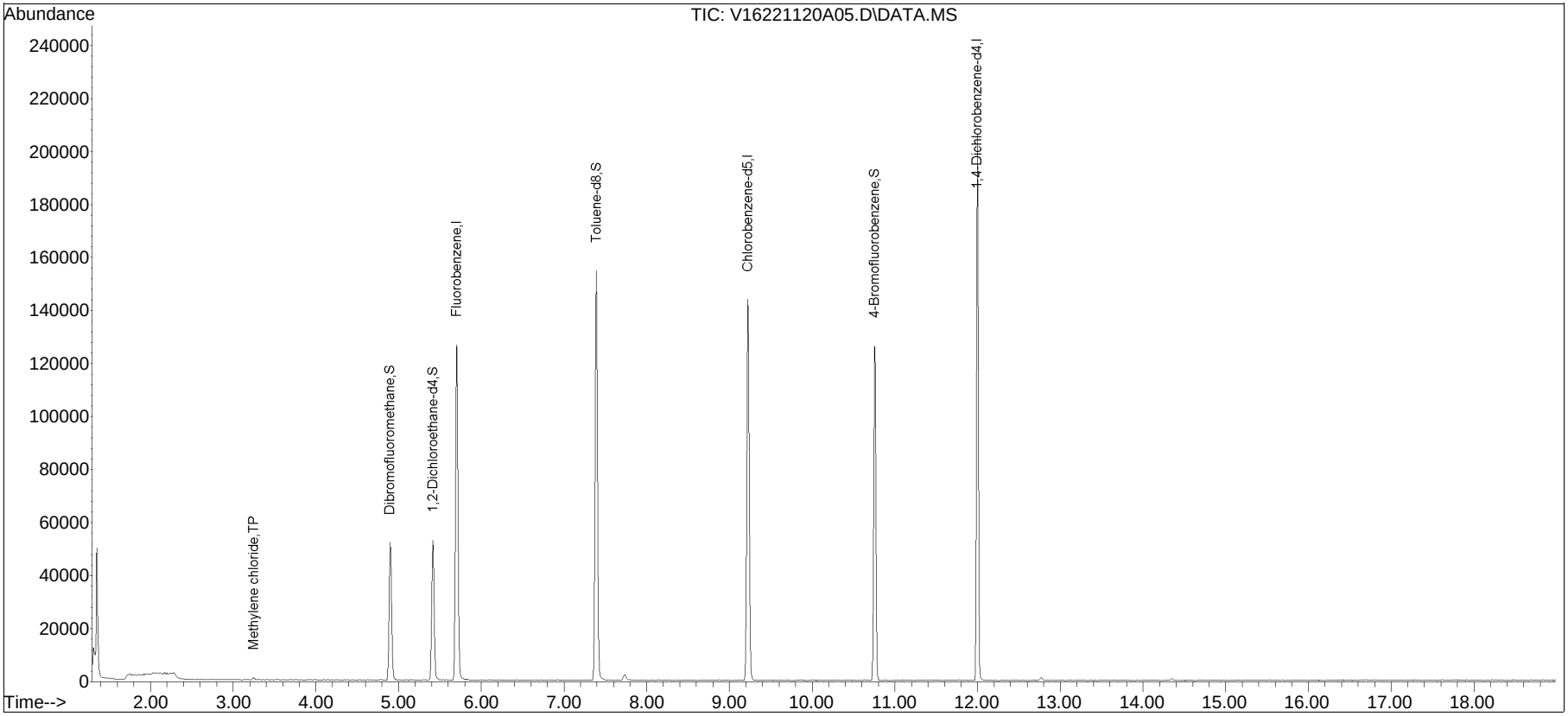
(#) = qualifier out of range (m) = manual integration (+) = signals summed

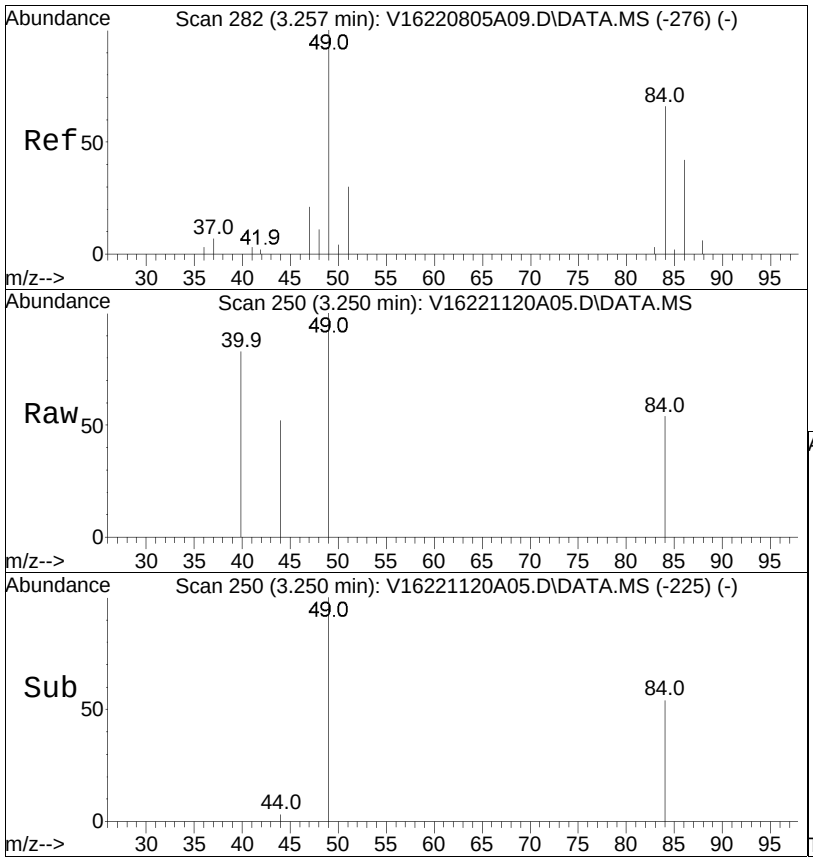
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A05.D
Acq On : 20 Nov 2022 10:04 am
Operator : VOA116:NLK
Sample : WG1714765-5,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 14:55:08 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

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

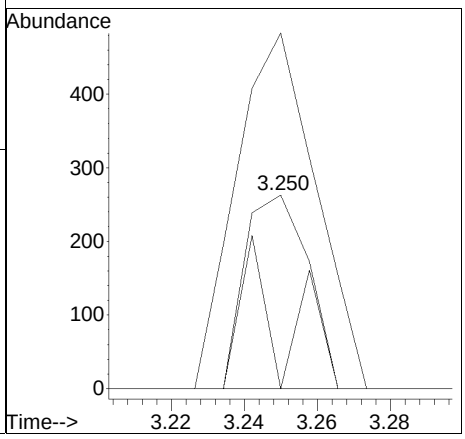




#15
Methylene chloride
Concen: 0.10 ug/L
RT: 3.250 min Scan# 250
Delta R.T. -0.000 min
Lab File: V16221120A05.D
Acq: 20 Nov 2022 10:04 am

Tgt Ion: 84 Resp: 318

Ion	Ratio	Lower	Upper
84	100		
86	54.7	41.0	85.0
49	230.2	78.5	163.1#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA116\2022\2	Method	: V116_221112_8260.m
Data File	: V16221120A05.D	Operator	: VOA116:NLK
Date Inj'd	: 11/20/2022 10:04 am	Instrument	: VOA 116
Sample	: WG1714765-5,31,10,10	Quant Date	: 11/20/2022 2:55 pm

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

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N05.d
Acq On : 21 Nov 2022 7:36 pm
Operator : VOA108:AJK
Sample : WG1715252-5,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 22:28:52 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.625	96	180409	10.000 ug/L	0.00
Standard Area 1 = 192015			Recovery = 93.96%		
59) Chlorobenzene-d5	8.572	117	145994	10.000 ug/L	0.00
Standard Area 1 = 156468			Recovery = 93.31%		
79) 1,4-Dichlorobenzene-d4	10.051	152	75027	10.000 ug/L	0.00
Standard Area 1 = 85868			Recovery = 87.37%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.656	113	56841	10.736 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.36%		
43) 1,2-Dichloroethane-d4	5.279	65	61304	11.007 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.07%		
60) Toluene-d8	7.303	98	174904	9.909 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.09%		
83) 4-Bromofluorobenzene	9.385	95	58651	10.300 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.00%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.405	94	261	N.D.	
6) Chloroethane	1.489	64	216	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.803	96	50	N.D.	
11) Carbon disulfide	1.982	76	512	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	2.689	43	49	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.	
30) Bromochloromethane	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.	

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N05.d
Acq On : 21 Nov 2022 7:36 pm
Operator : VOA108:AJK
Sample : WG1715252-5,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 22:28:52 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - 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	4.865	43	52	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	5.819	95	62	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.356	92	244	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.696	166	55	N.D.		
65) trans-1,3-Dichloropropene	7.754	75	65	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	8.572	43	153	N.D.		
73) Chlorobenzene	8.588	112	358	N.D.		
74) Ethylbenzene	8.624	91	728	N.D.		
76) p/m Xylene	8.729	106	612	N.D.		
77) o Xylene	9.007	106	220	N.D.		
78) Styrene	9.044	104	735	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.217	105	380	N.D.		
87) 1,1,2,2-Tetrachloroethane	9.385	83	78	N.D.		
100) 1,3-Dichlorobenzene	10.003	146	769	N.D.		
101) 1,4-Dichlorobenzene	10.056	146	914	0.080	ug/L #	5
104) 1,2-Dichlorobenzene	10.297	146	381	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	11.131	180	935	0.119	ug/L #	85
111) 1,2,3-Trichlorobenzene	11.409	180	753	0.095	ug/L #	78

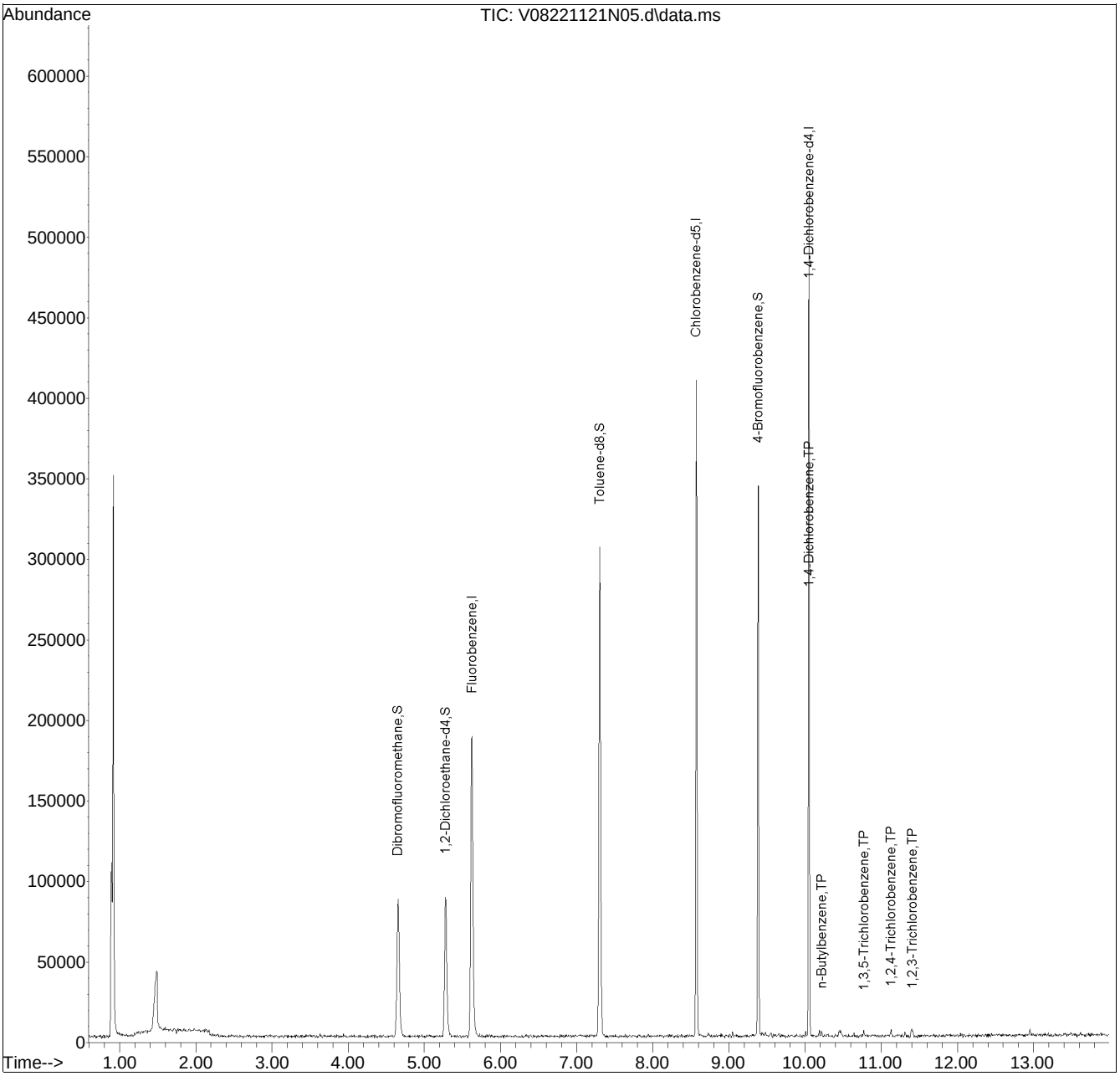
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

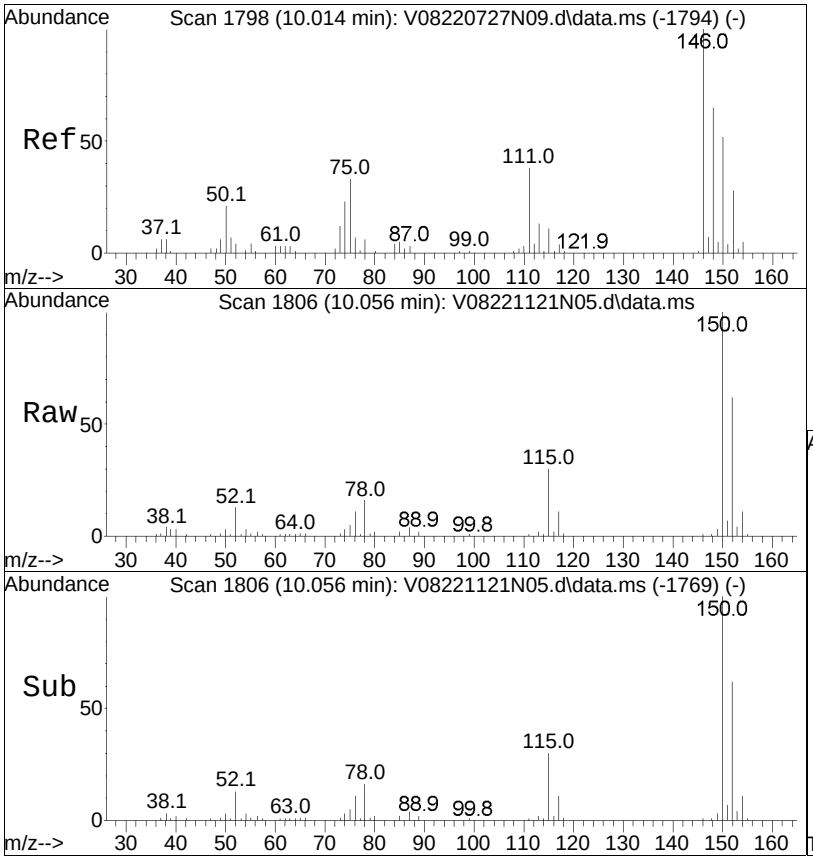
Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N05.d
Acq On : 21 Nov 2022 7:36 pm
Operator : VOA108:AJK
Sample : WG1715252-5,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 22:28:52 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



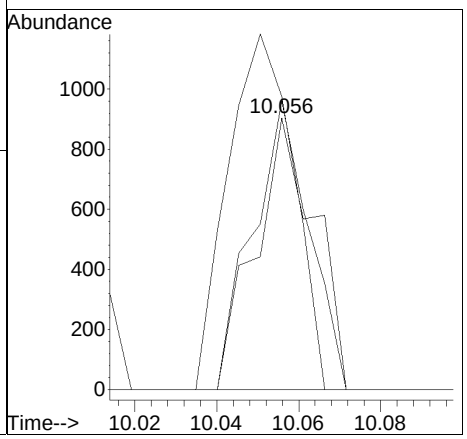
V108_221110N_8260.m Tue Nov 22 08:53:22 2022 Page: 4

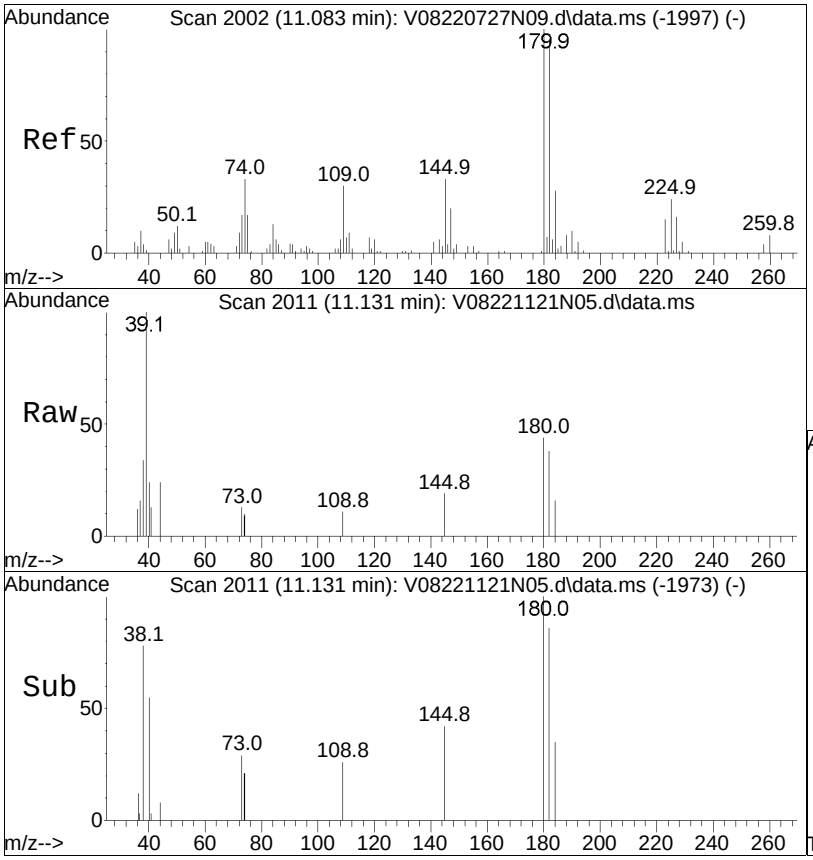


#101
1,4-Dichlorobenzene
Concen: 0.08 ug/L
RT: 10.056 min Scan# 1806
Delta R.T. -0.005 min
Lab File: V08221121N05.d
Acq: 21 Nov 2022 7:36 pm

Tgt Ion:146 Resp: 914

Ion	Ratio	Lower	Upper
146	100		
111	144.0	32.3	48.5#
148	100.3	49.9	74.9#

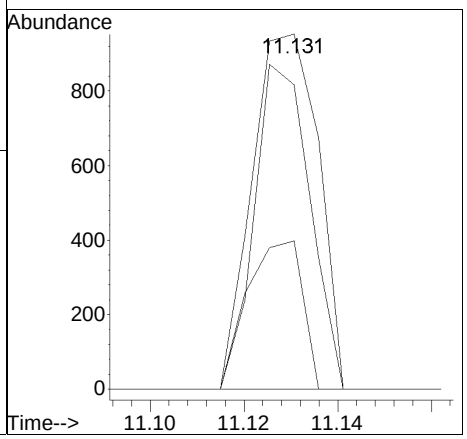


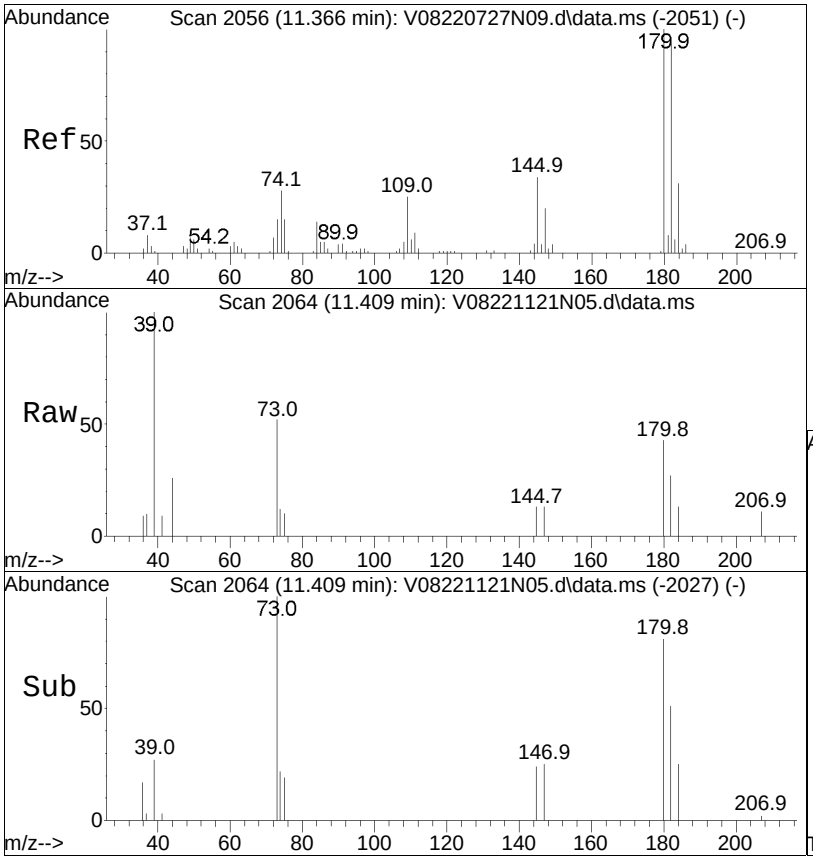


#109
1,2,4-Trichlorobenzene
Concen: 0.12 ug/L
RT: 11.131 min Scan# 2011
Delta R.T. 0.000 min
Lab File: V08221121N05.d
Acq: 21 Nov 2022 7:36 pm

Tgt Ion:180 Resp: 935

Ion	Ratio	Lower	Upper
180	100		
182	76.8	77.3	115.9#
145	34.9	28.1	42.1

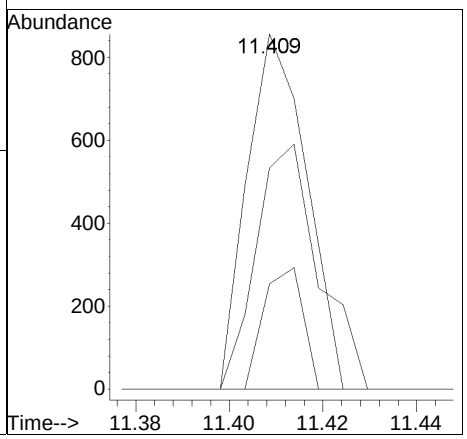




#111
1,2,3-Trichlorobenzene
Concen: 0.10 ug/L
RT: 11.409 min Scan# 2064
Delta R.T. -0.005 min
Lab File: V08221121N05.d
Acq: 21 Nov 2022 7:36 pm

Tgt Ion:180 Resp: 753

Ion	Ratio	Lower	Upper
180	100		
182	73.2	76.4	114.6#
145	22.8	26.4	39.6#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221121N05.d	Operator	: VOA108:AJK
Date Inj'd	: 11/21/2022 7:36 pm	Instrument	: VOA 108
Sample	: WG1715252-5,31,10,10	Quant Date	: 11/21/2022 10:28 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-3,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.620	96	198344	10.000	ug/L	0.00
Standard Area 1 = 198344			Recovery = 100.00%			
59) Chlorobenzene-d5	8.572	117	157340	10.000	ug/L	0.00
Standard Area 1 = 157340			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	10.045	152	87789	10.000	ug/L	-0.01
Standard Area 1 = 87789			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.650	113	59593	10.238	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.38%			
43) 1,2-Dichloroethane-d4	5.274	65	62134	10.148	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.48%			
60) Toluene-d8	7.298	98	194426	10.221	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.21%			
83) 4-Bromofluorobenzene	9.380	95	63157	9.479	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.012	85	30795	8.282	ug/L	98
3) Chloromethane	1.148	50	37124	8.925	ug/L	99
4) Vinyl chloride	1.190	62	45995	10.266	ug/L	94
5) Bromomethane	1.405	94	38897	8.932	ug/L	100
6) Chloroethane	1.489	64	92868	20.265	ug/L	94
7) Trichlorofluoromethane	1.588	101	103260	10.323	ug/L	99
10) 1,1-Dichloroethene	1.966	96	61382	10.385	ug/L #	56
11) Carbon disulfide	1.976	76	108073	10.537	ug/L	92
12) Freon-113	2.013	101	67859	11.176	ug/L	97
15) Methylene chloride	2.469	84	43953	8.746	ug/L	67
17) Acetone	2.532	43	12133	8.800	ug/L	98
18) trans-1,2-Dichloroethene	2.626	96	44872	9.363	ug/L #	65
19) Methyl acetate	2.663	43	26970	7.817	ug/L #	77
20) Methyl tert-butyl ether	2.763	73	102527	7.988	ug/L	94
23) 1,1-Dichloroethane	3.282	63	75567	9.766	ug/L	98
28) cis-1,2-Dichloroethene	3.995	96	50622	9.141	ug/L #	62
30) Bromochloromethane	4.268	128	28343	9.261	ug/L #	47
31) Cyclohexane	4.257	56	58354	8.772	ug/L #	46
32) Chloroform	4.420	83	80646	9.128	ug/L	97
34) Carbon tetrachloride	4.545	117	60610	8.660	ug/L	96

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-3,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.640	97	67711	8.744	ug/L	#	98
39) 2-Butanone	4.834	43	19493	8.497	ug/L	#	38
41) Benzene	5.112	78	169072	9.151	ug/L	#	89
44) 1,2-Dichloroethane	5.353	62	62807	9.103	ug/L		96
47) Methyl cyclohexane	5.788	83	67215	8.714	ug/L	#	60
48) Trichloroethene	5.814	95	46166	8.594	ug/L		89
51) 1,2-Dichloropropane	6.360	63	44600	9.553	ug/L		96
54) Bromodichloromethane	6.464	83	62100	8.901	ug/L	#	99
57) 1,4-Dioxane	6.679	88	29140	536.242	ug/L	#	67
58) cis-1,3-Dichloropropene	7.120	75	69349	8.438	ug/L		93
61) Toluene	7.350	92	110134	9.115	ug/L		100
62) 4-Methyl-2-pentanone	7.738	58	14520	8.282	ug/L	#	90
63) Tetrachloroethene	7.696	166	50378	8.735	ug/L		90
65) trans-1,3-Dichloropropene	7.754	75	64256	8.550	ug/L		98
68) 1,1,2-Trichloroethane	7.880	83	35765	9.363	ug/L		94
69) Chlorodibromomethane	8.016	129	49605	8.356	ug/L		98
71) 1,2-Dibromoethane	8.174	107	43990	8.540	ug/L		96
72) 2-Hexanone	8.404	43	27424	7.965	ug/L		96
73) Chlorobenzene	8.583	112	136745	9.183	ug/L	#	84
74) Ethylbenzene	8.624	91	209920	9.055	ug/L		97
76) p/m Xylene	8.729	106	171124	17.783	ug/L		88
77) o Xylene	9.007	106	161064	17.560	ug/L		84
78) Styrene	9.044	104	265891	17.231	ug/L	#	80
80) Bromoform	9.049	173	31813	7.569	ug/L		98
82) Isopropylbenzene	9.217	105	213600	8.941	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.521	83	57595	9.317	ug/L		97
100) 1,3-Dichlorobenzene	10.003	146	116854	8.800	ug/L		95
101) 1,4-Dichlorobenzene	10.056	146	115349	8.578	ug/L		95
104) 1,2-Dichlorobenzene	10.297	146	112511	8.615	ug/L		94
106) 1,2-Dibromo-3-chloropr...	10.748	155	10068	7.805	ug/L		88
109) 1,2,4-Trichlorobenzene	11.125	180	78526	8.522	ug/L		99
111) 1,2,3-Trichlorobenzene	11.409	180	76613	8.276	ug/L		99

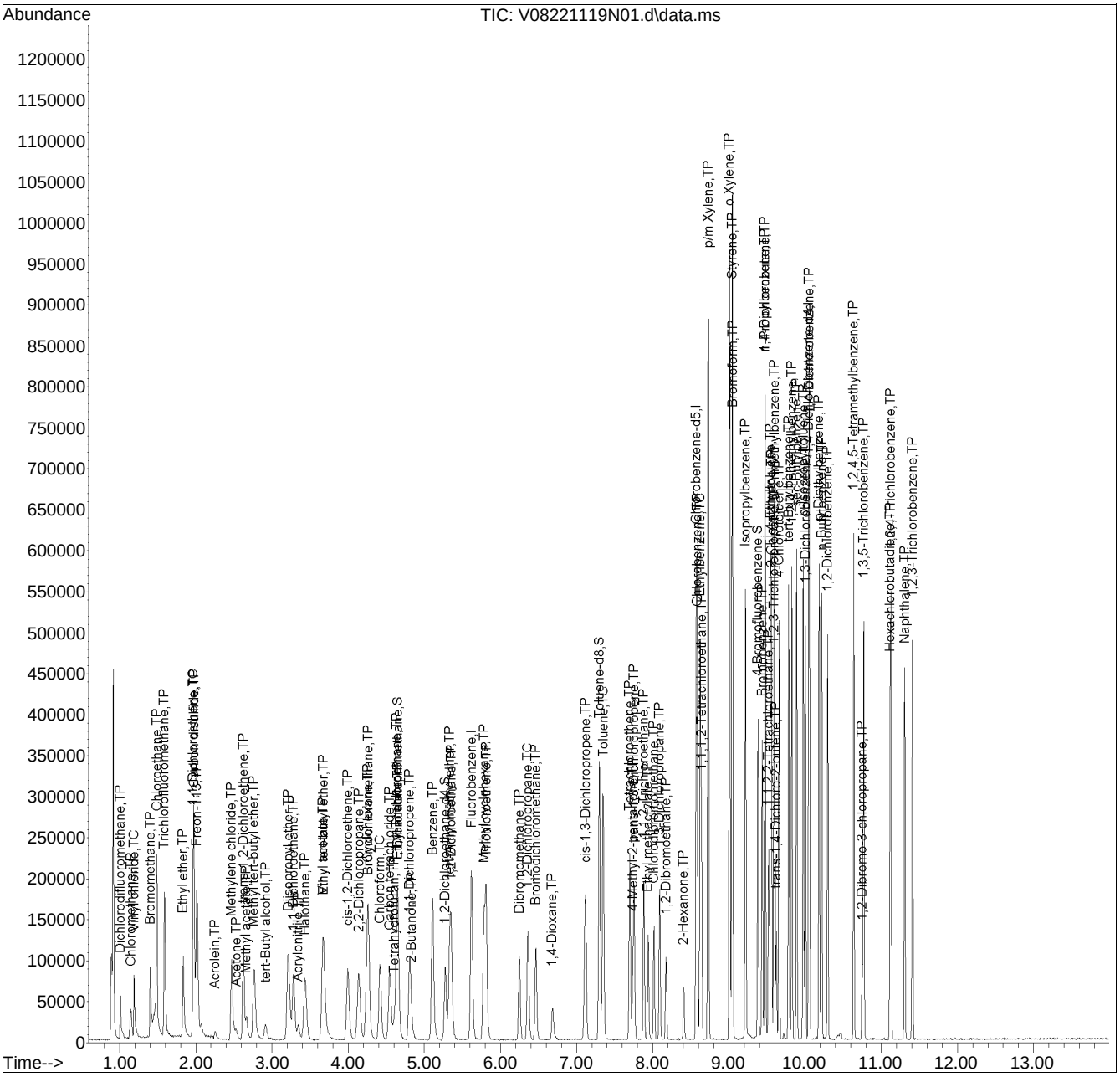
(#) = qualifier out of range (m) = manual integration (+) = signals summed

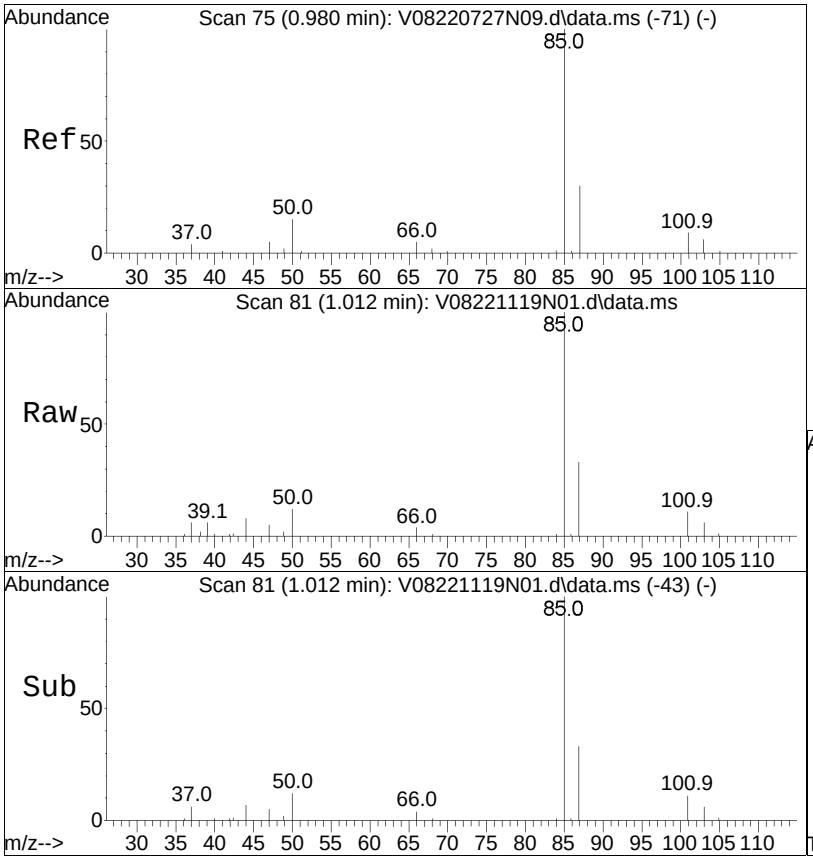
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N01.d
Acq On : 19 Nov 2022 7:02 pm
Operator : VOA108:PID
Sample : WG1714899-3,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 19:29:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

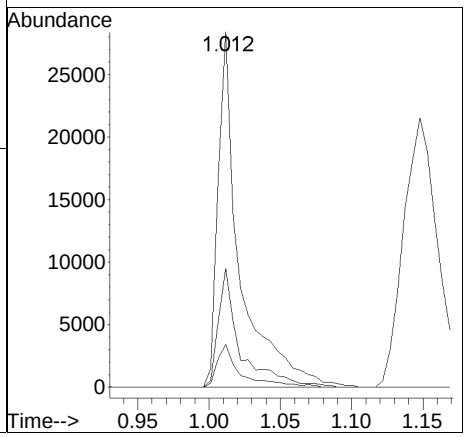


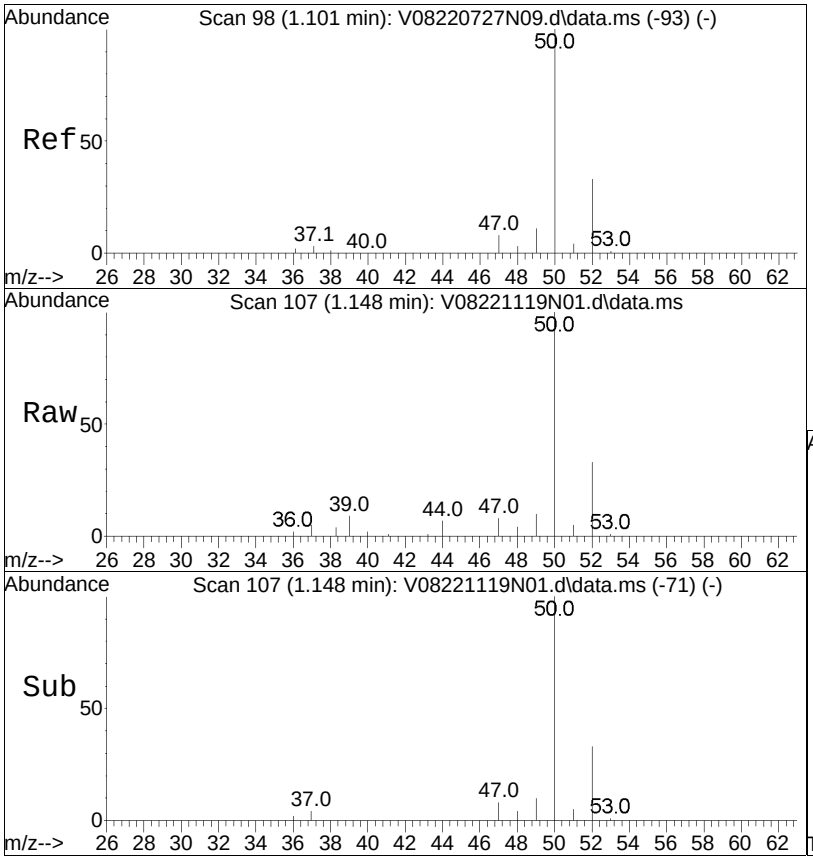


#2
Dichlorodifluoromethane
Concen: 8.28 ug/L
RT: 1.012 min Scan# 81
Delta R.T. 0.000 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 85 Resp: 30795

Ion	Ratio	Lower	Upper
85	100		
87	33.5	21.0	43.6
50	13.0	8.9	18.5

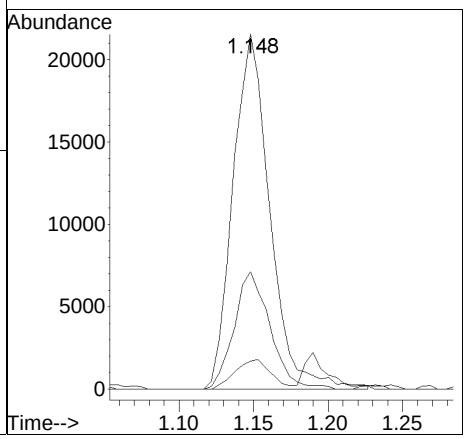


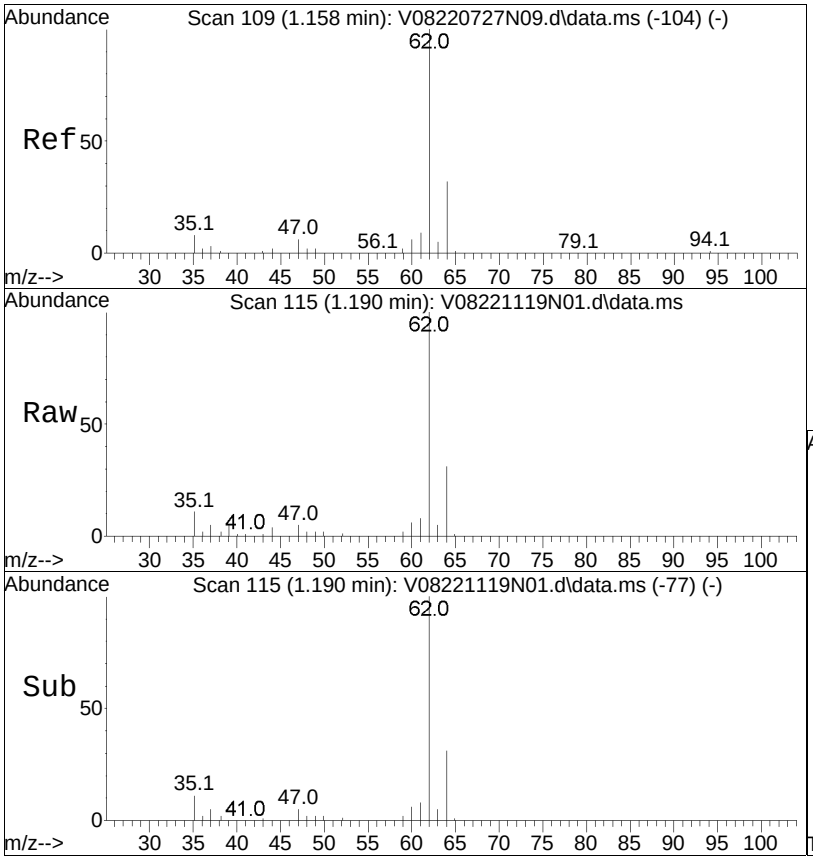


#3
Chloromethane
Concen: 8.93 ug/L
RT: 1.148 min Scan# 107
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 50 Resp: 37124

Ion	Ratio	Lower	Upper
50	100		
52	32.4	12.9	52.9
47	8.2	0.0	28.3

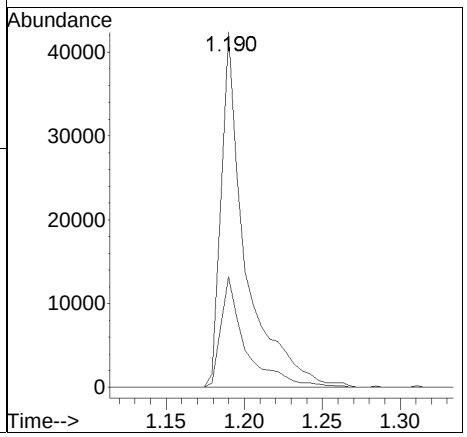


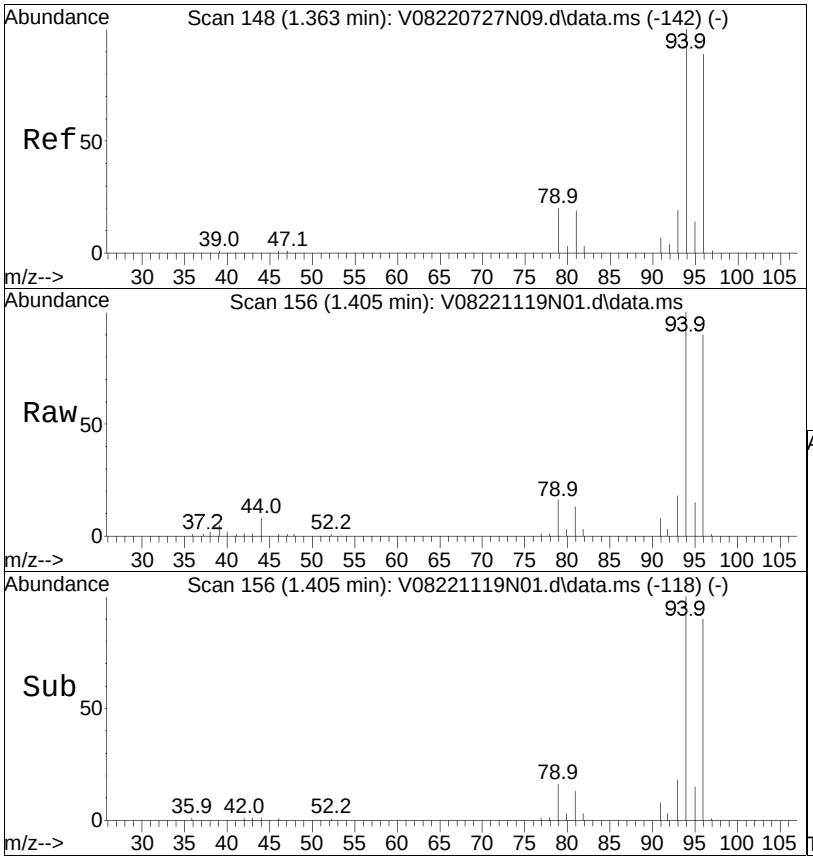


#4
Vinyl chloride
Concen: 10.27 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 62 Resp: 45995

Ion	Ratio	Lower	Upper
62	100		
64	32.1	9.1	49.1

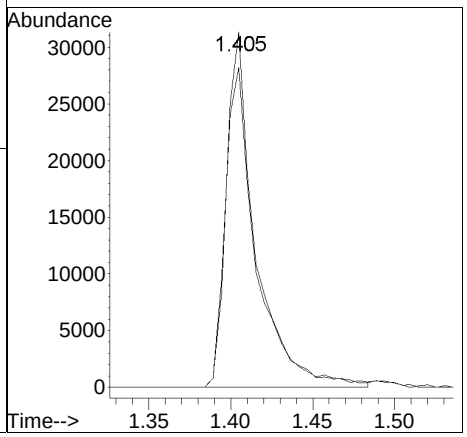


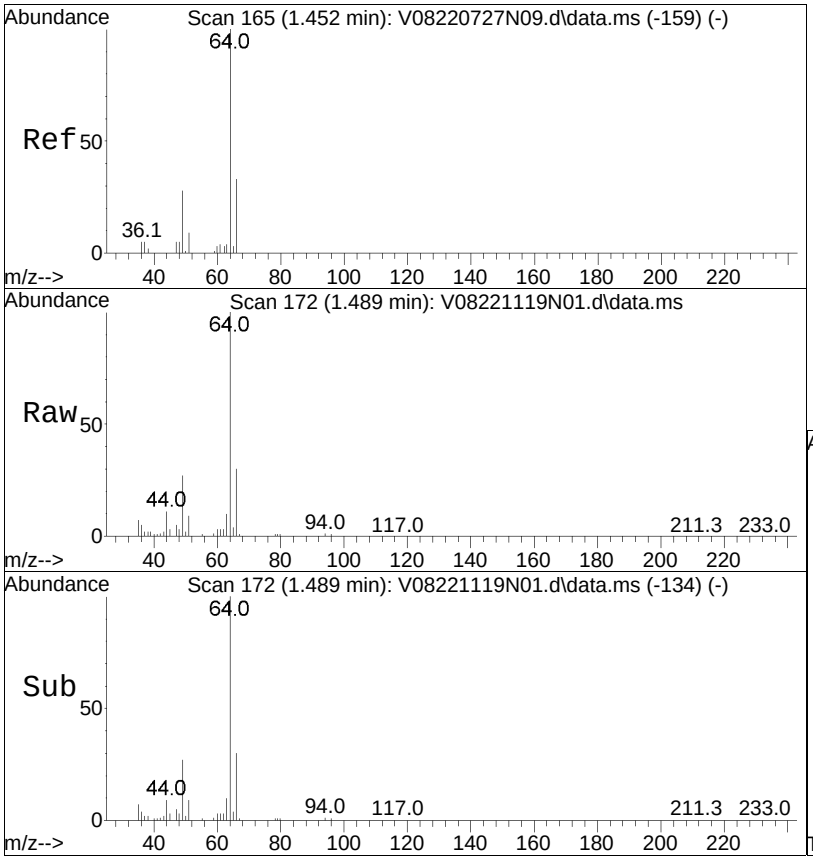


#5
Bromomethane
Concen: 8.93 ug/L
RT: 1.405 min Scan# 156
Delta R.T. 0.000 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 94 Resp: 38897

Ion	Ratio	Lower	Upper
94	100		
96	95.9	75.6	115.6

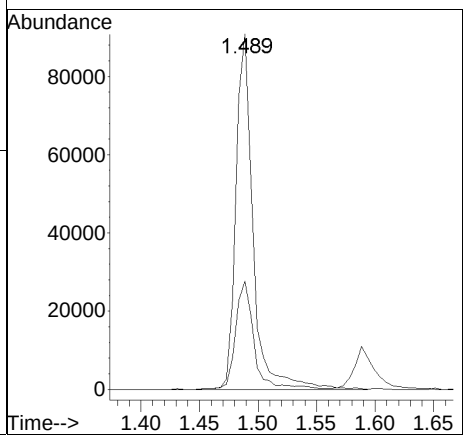


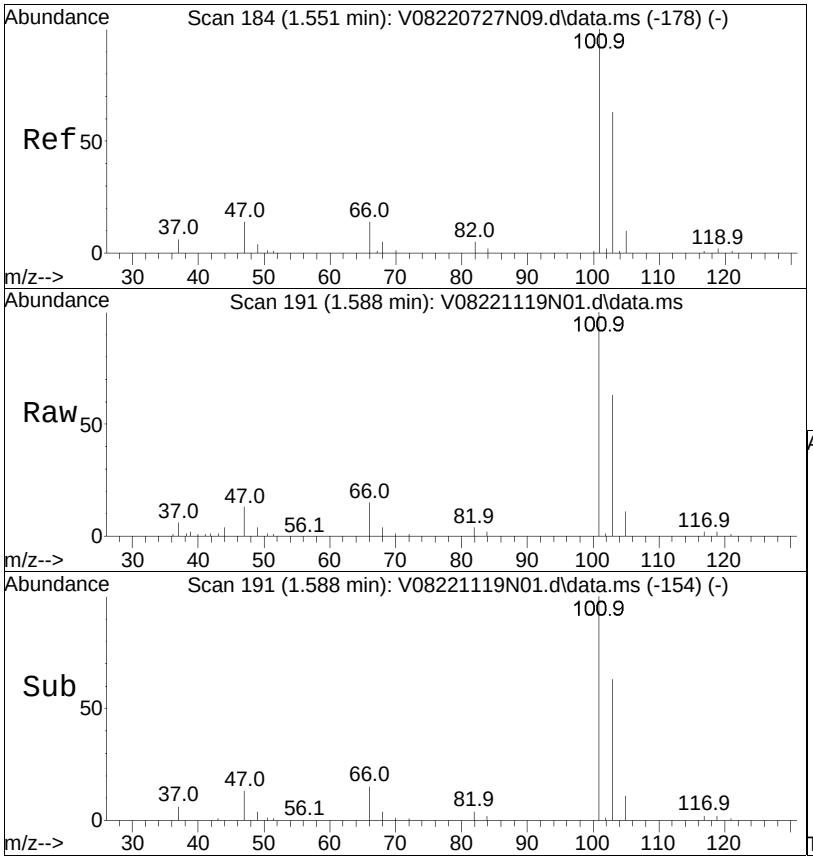


#6
Chloroethane
Concen: 20.26 ug/L
RT: 1.489 min Scan# 172
Delta R.T. 0.000 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 64 Resp: 92868

Ion	Ratio	Lower	Upper
64	100		
66	32.9	9.8	49.8

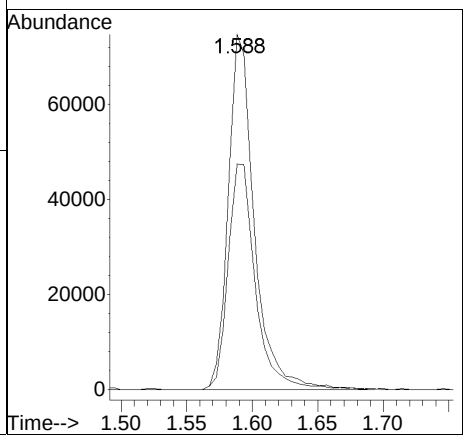


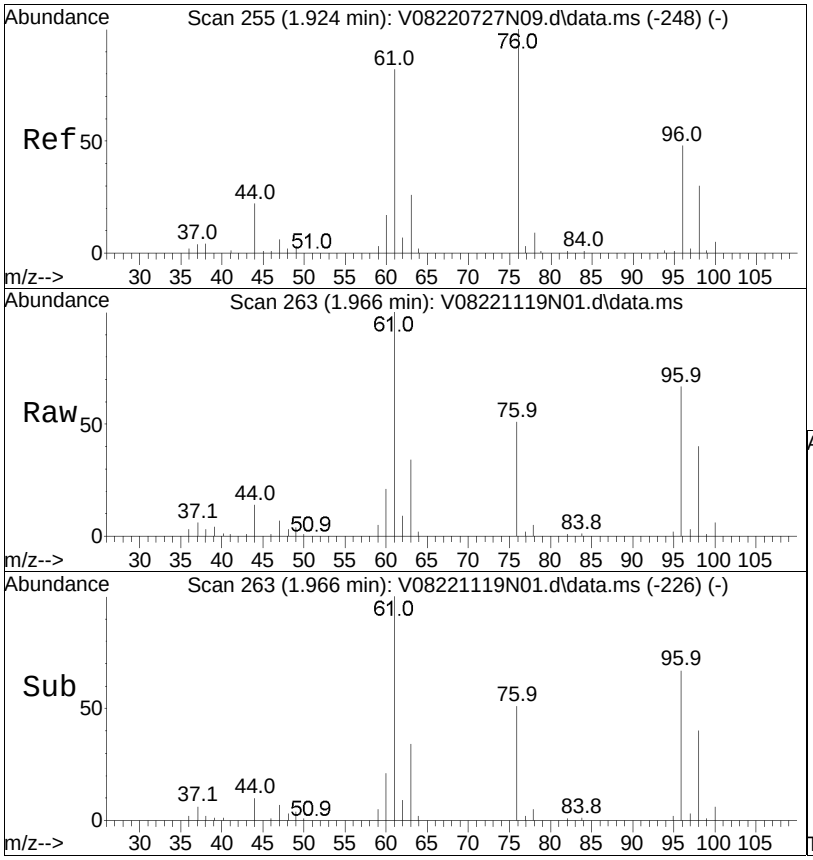


#7
Trichlorofluoromethane
Concen: 10.32 ug/L
RT: 1.588 min Scan# 191
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:101 Resp: 103260

Ion	Ratio	Lower	Upper
101	100		
103	66.8	53.8	80.6

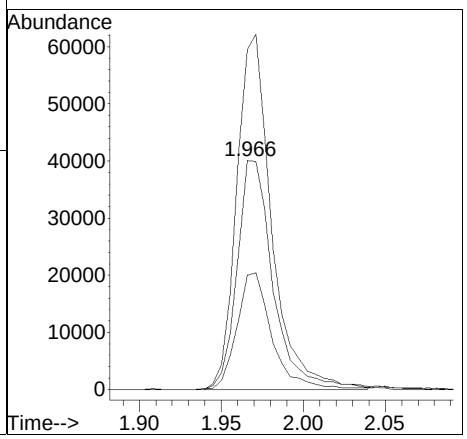


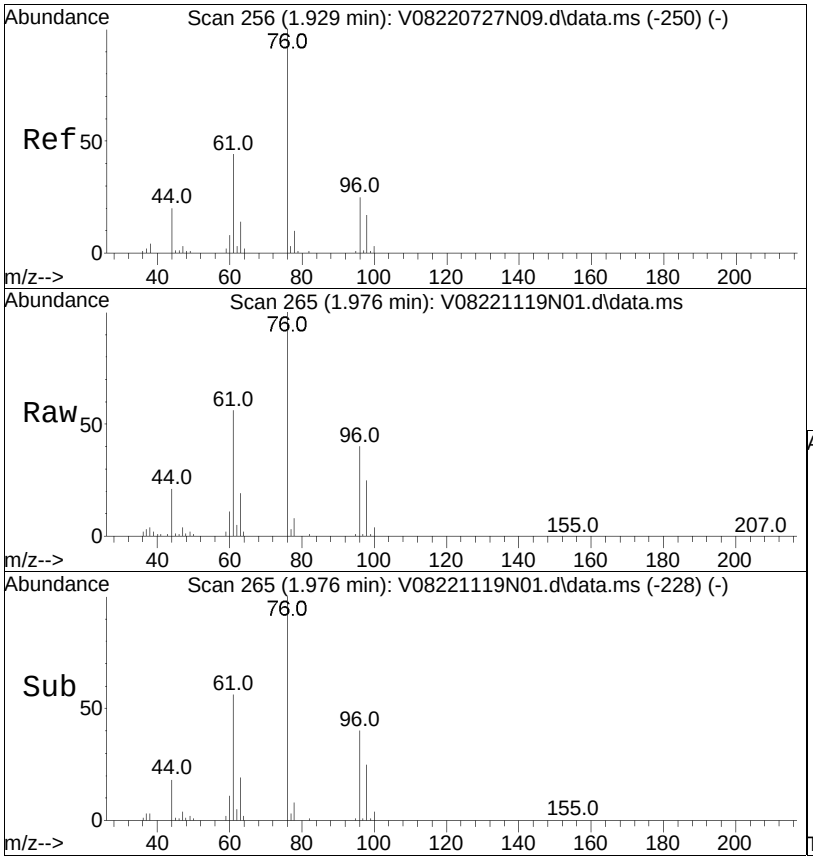


#10
1,1-Dichloroethene
Concen: 10.38 ug/L
RT: 1.966 min Scan# 263
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 96 Resp: 61382

Ion	Ratio	Lower	Upper
96	100		
61	151.6	186.1	279.1#
63	49.6	57.6	86.4#

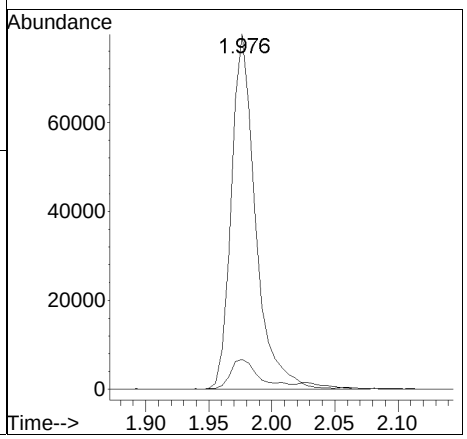


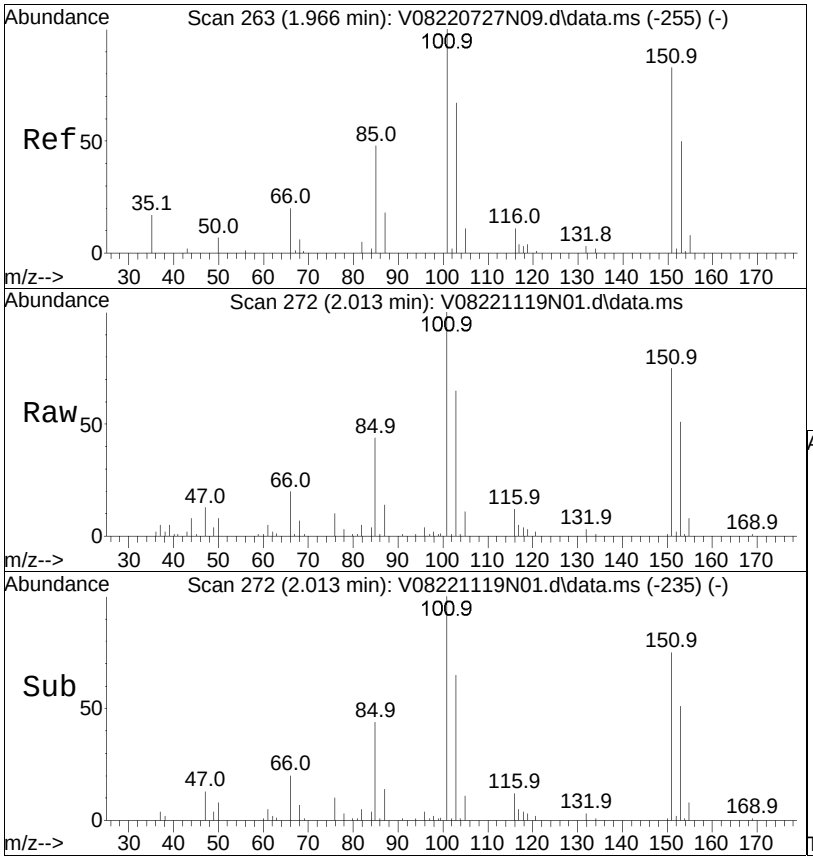


#11
Carbon disulfide
Concen: 10.54 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 76 Resp: 108073

Ion	Ratio	Lower	Upper
76	100		
78	11.6	5.7	11.7

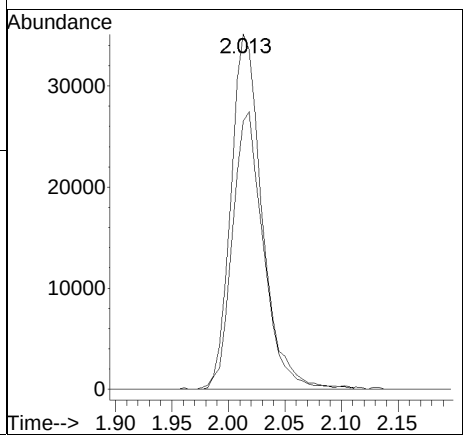


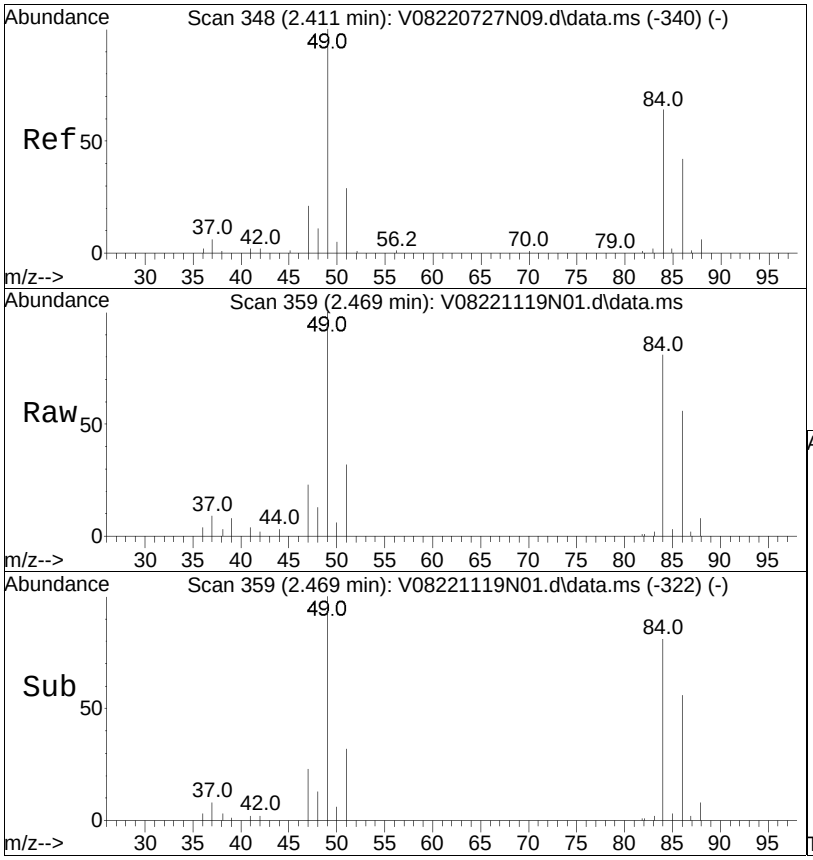


#12
Freon-113
Concen: 11.18 ug/L
RT: 2.013 min Scan# 272
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:101 Resp: 67859

Ion	Ratio	Lower	Upper
101	100		
151	77.4	59.8	89.8

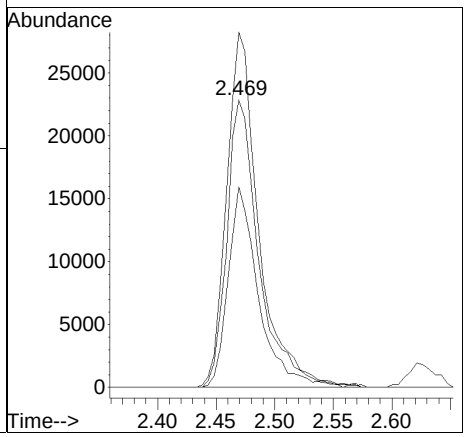


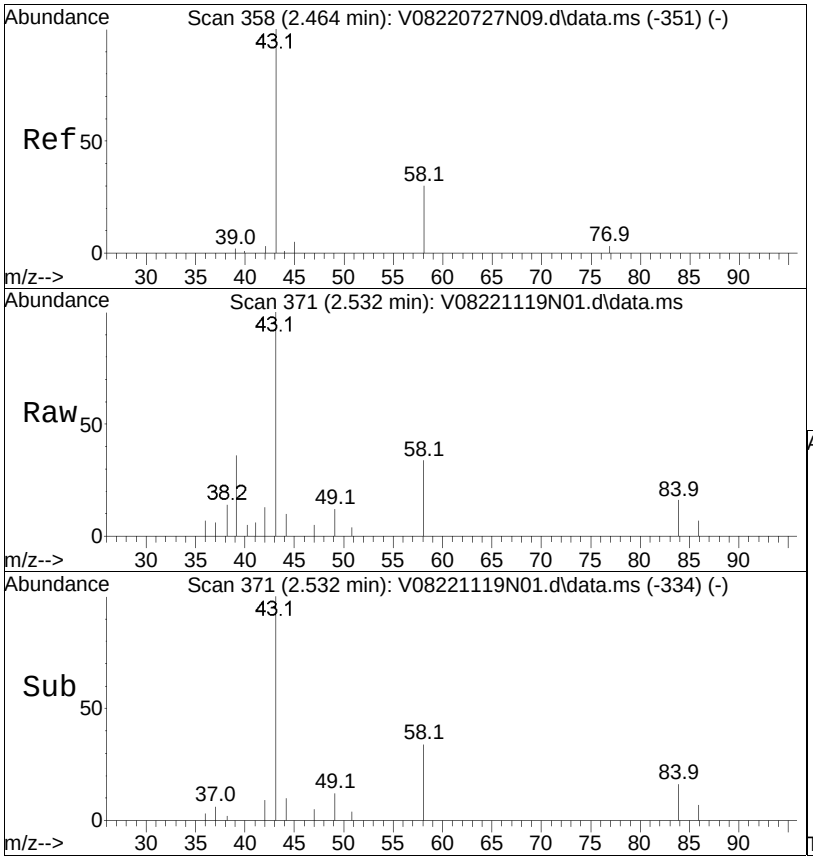


#15
Methylene chloride
Concen: 8.75 ug/L
RT: 2.469 min Scan# 359
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 84 Resp: 43953

Ion	Ratio	Lower	Upper
84	100		
86	65.7	40.4	83.8
49	122.7	120.0	249.2

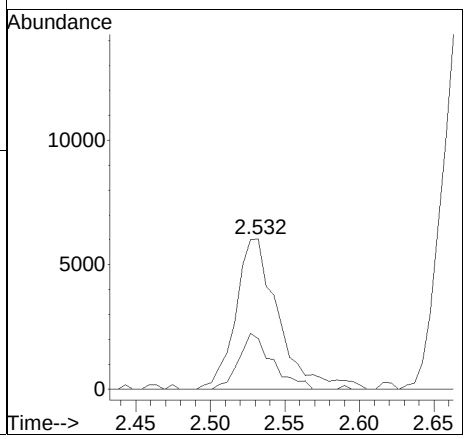


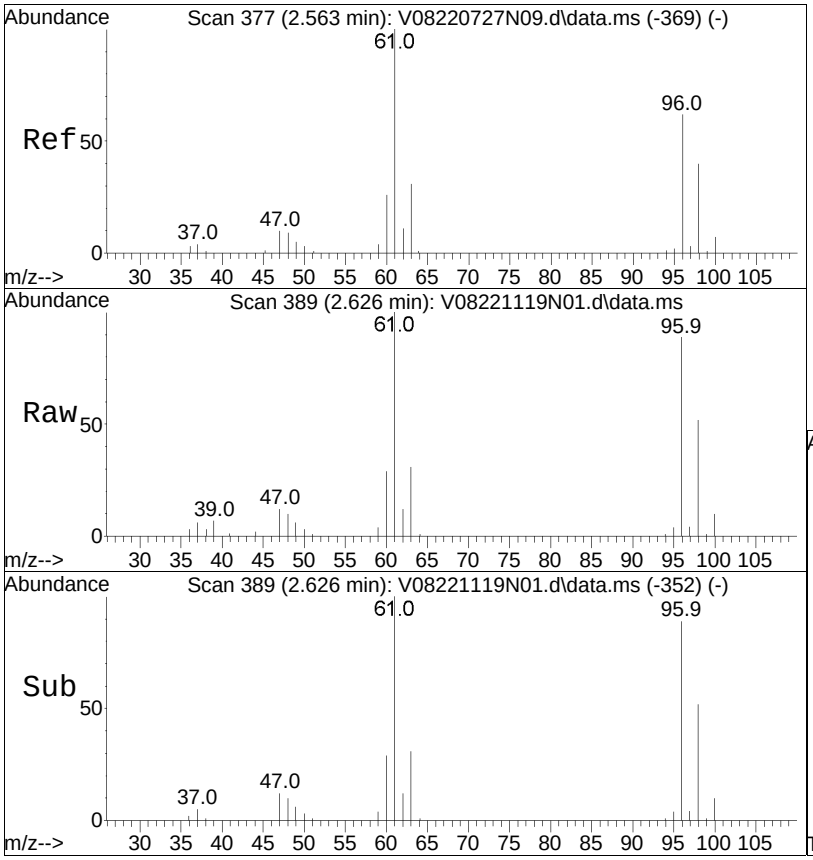


#17
Acetone
Concen: 8.80 ug/L
RT: 2.532 min Scan# 371
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 43 Resp: 12133

Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.2	36.4

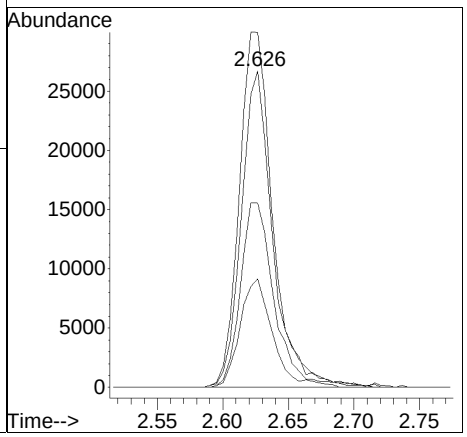


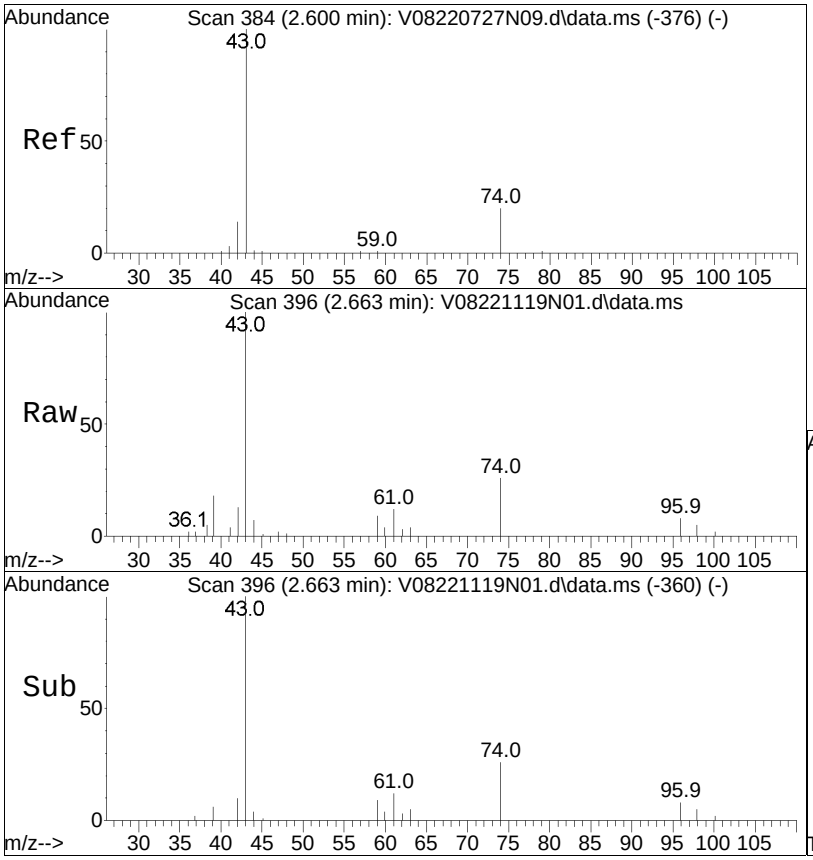


#18
trans-1,2-Dichloroethene
Concen: 9.36 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 96 Resp: 44872

Ion	Ratio	Lower	Upper
96	100		
61	119.8	124.0	257.6#
98	62.7	41.2	85.6
63	35.6	38.4	79.7#

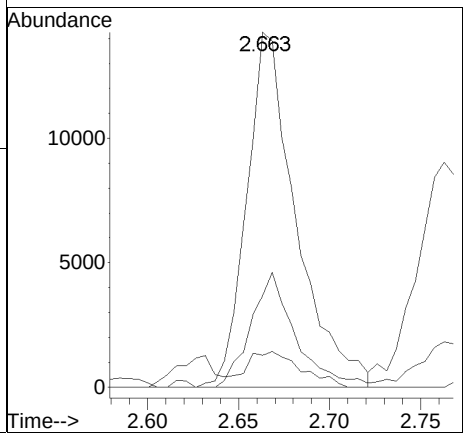


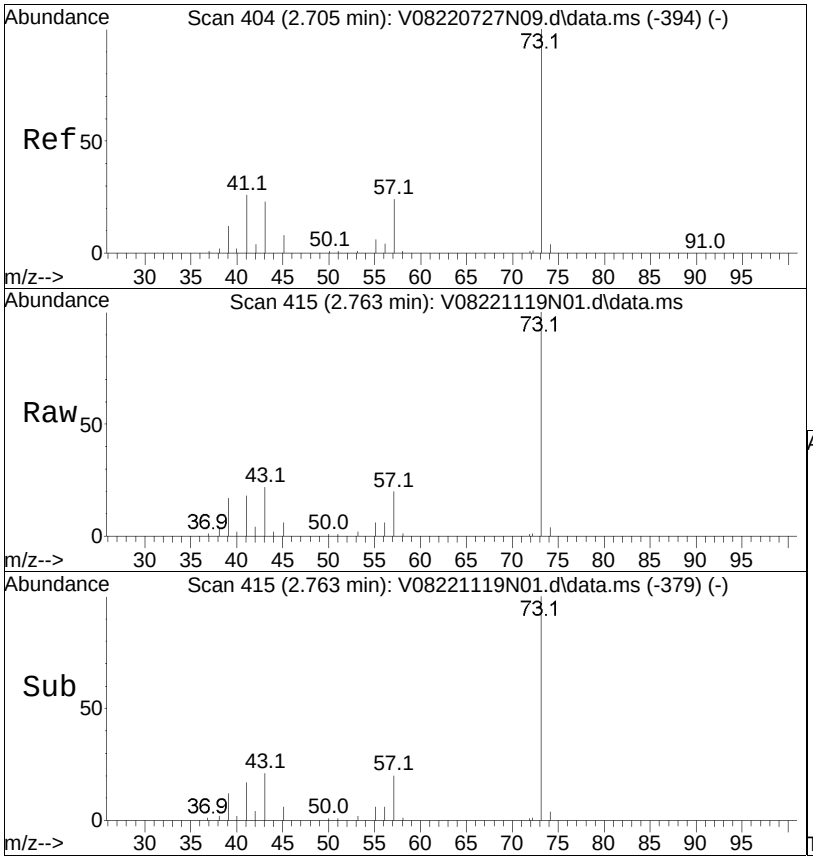


#19
Methyl acetate
Concen: 7.82 ug/L
RT: 2.663 min Scan# 396
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 43 Resp: 26970

Ion	Ratio	Lower	Upper
43	100		
74	29.3	14.2	21.4#
59	11.3	5.0	7.6#

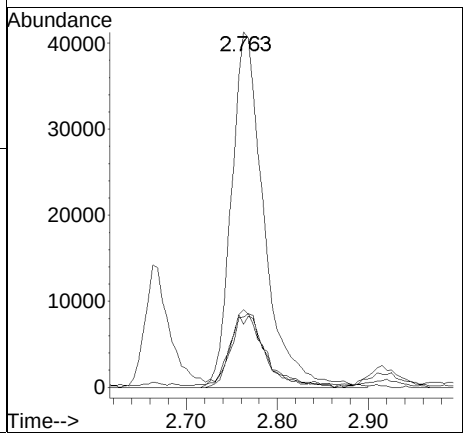


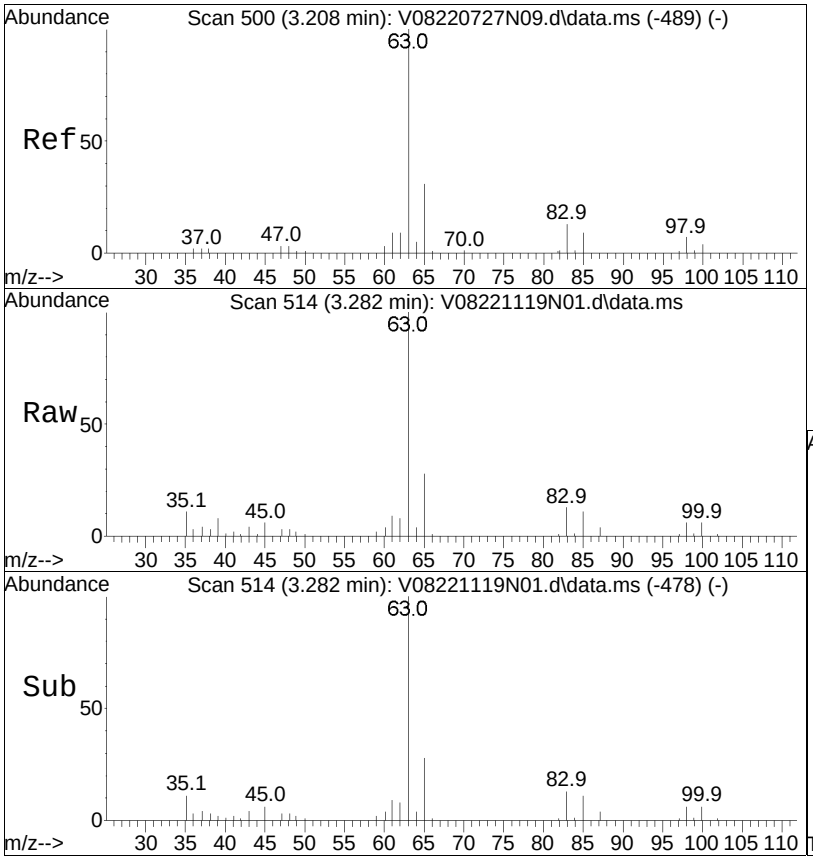


#20
Methyl tert-butyl ether
Concen: 7.99 ug/L
RT: 2.763 min Scan# 415
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 73 Resp: 102527

Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.5	36.3
43	23.5	15.3	31.9
41	21.5	15.3	31.7

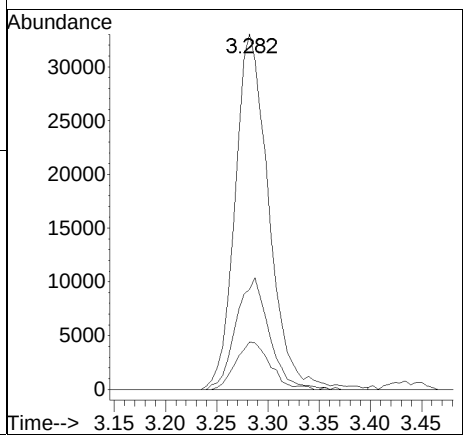


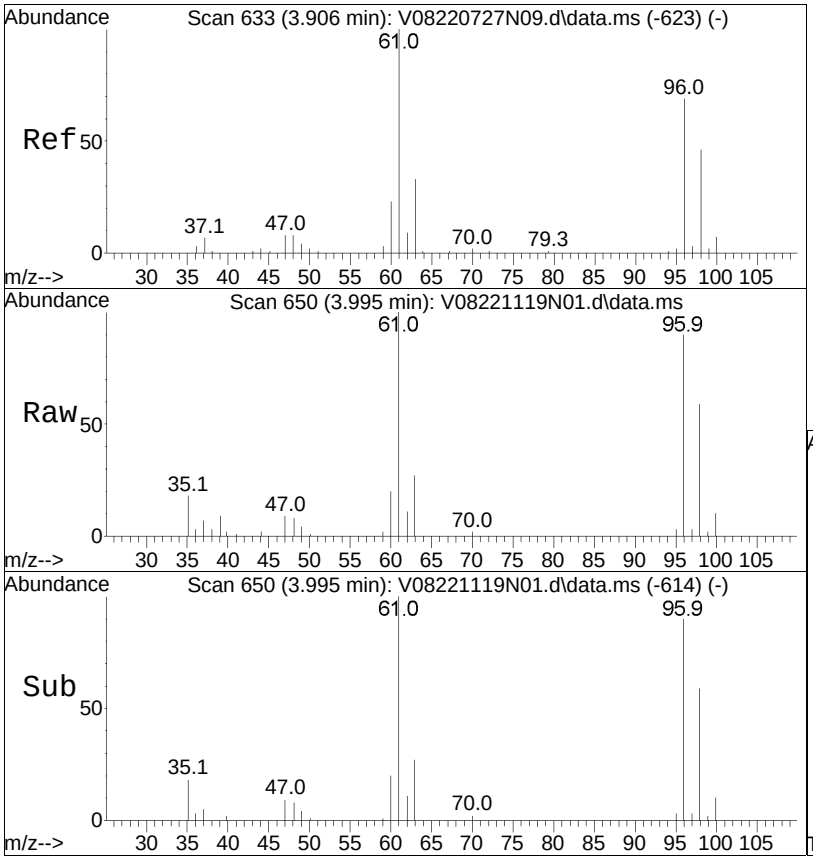


#23
1,1-Dichloroethane
Concen: 9.77 ug/L
RT: 3.282 min Scan# 514
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 63 Resp: 75567

Ion	Ratio	Lower	Upper
63	100		
65	31.2	11.0	51.0
83	13.6	0.0	31.8

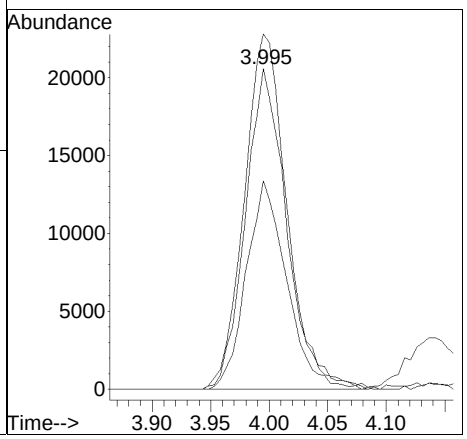


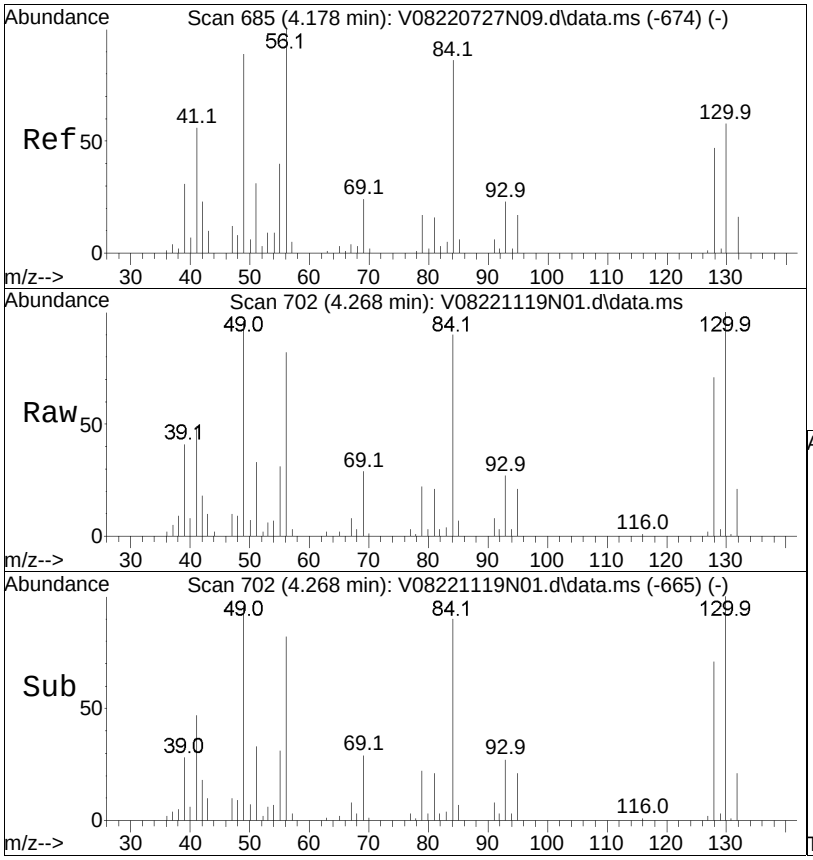


#28
cis-1,2-Dichloroethene
Concen: 9.14 ug/L
RT: 3.995 min Scan# 650
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 96 Resp: 50622

Ion	Ratio	Lower	Upper
96	100		
61	114.4	149.4	224.2#
98	63.6	53.4	80.2

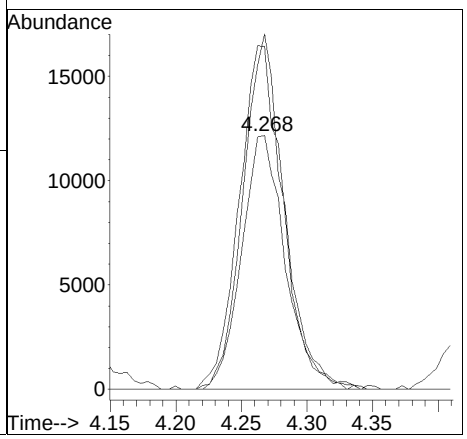


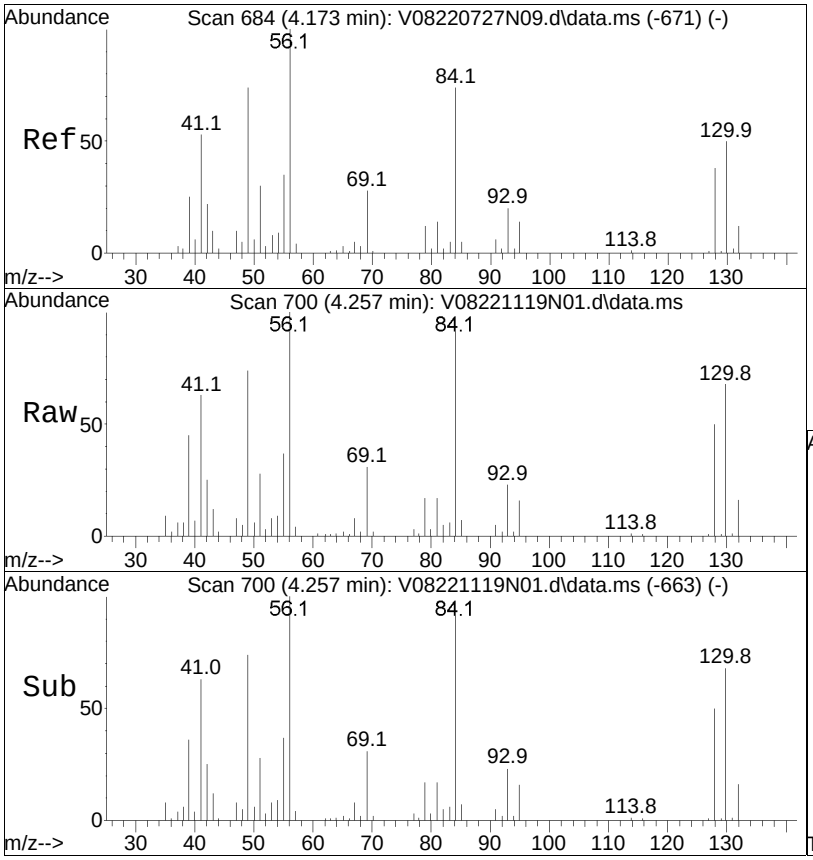


#30
Bromochloromethane
Concen: 9.26 ug/L
RT: 4.268 min Scan# 702
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:128 Resp: 28343

Ion	Ratio	Lower	Upper
128	100		
49	136.2	223.0	334.4#
130	131.4	111.4	167.0

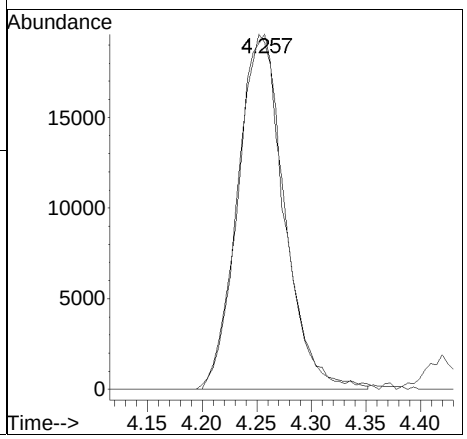


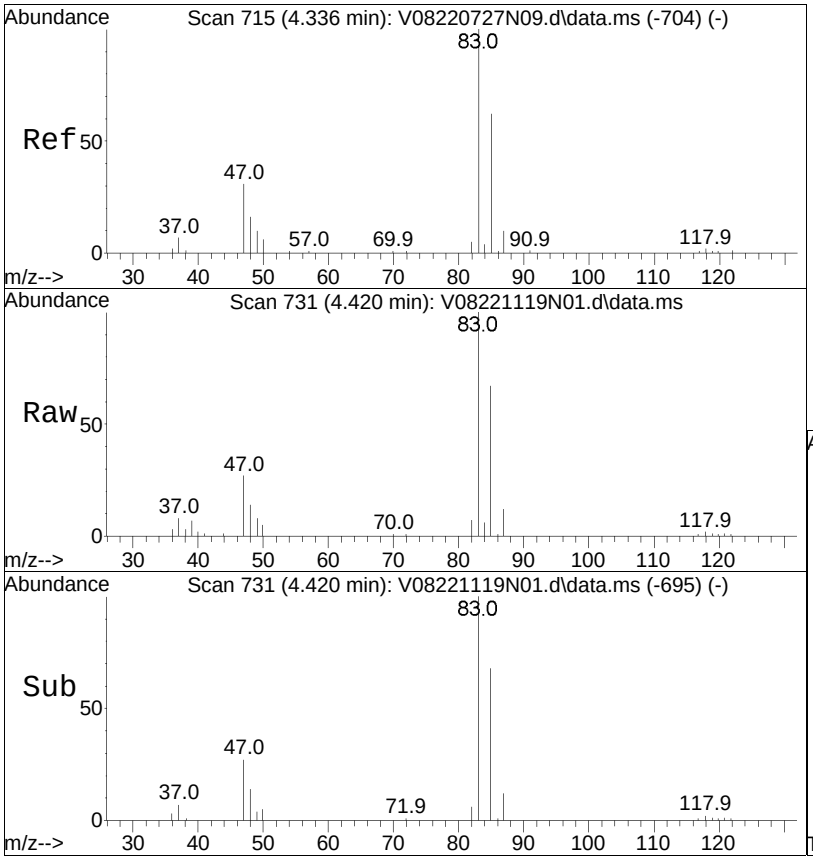


#31
Cyclohexane
Concen: 8.77 ug/L
RT: 4.257 min Scan# 700
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 56 Resp: 58354

Ion	Ratio	Lower	Upper
56	100		
84	99.4	38.4	79.8#

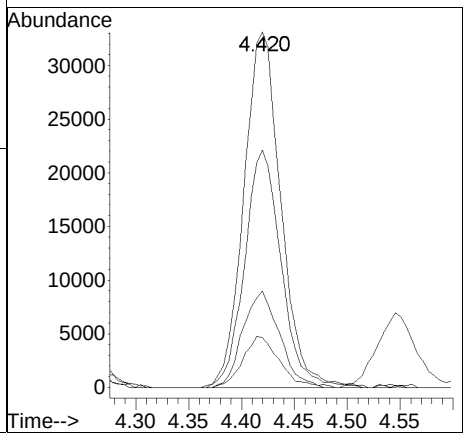


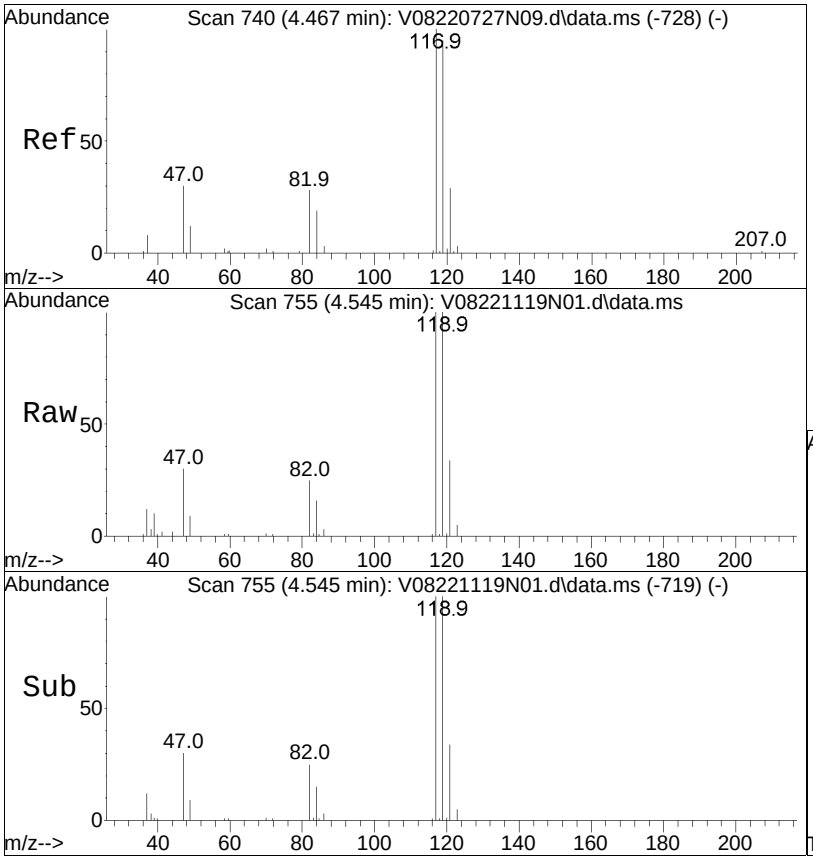


#32
Chloroform
Concen: 9.13 ug/L
RT: 4.420 min Scan# 731
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 83 Resp: 80646

Ion	Ratio	Lower	Upper
83	100		
85	65.9	41.5	86.1
47	26.9	19.0	39.4
48	14.1	9.9	20.5

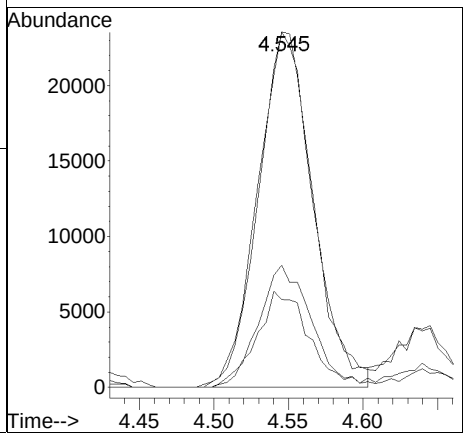


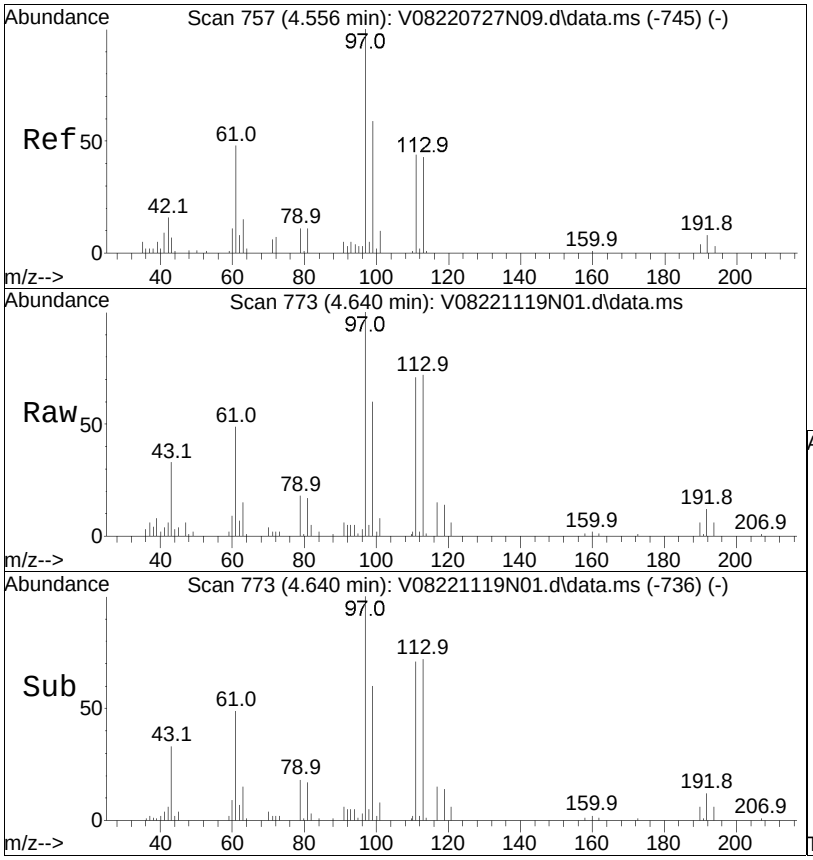


#34
Carbon tetrachloride
Concen: 8.66 ug/L
RT: 4.545 min Scan# 755
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:117 Resp: 60610

Ion	Ratio	Lower	Upper
117	100		
119	99.8	62.4	129.6
121	32.8	19.5	40.5
82	25.8	17.0	35.4

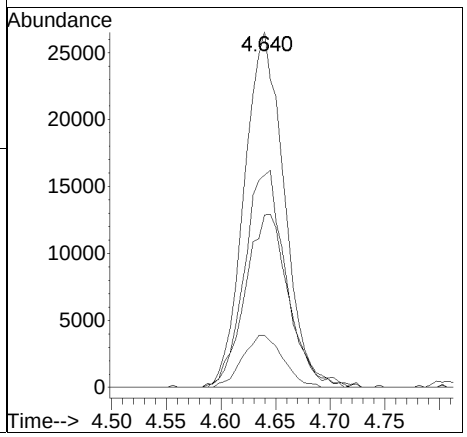


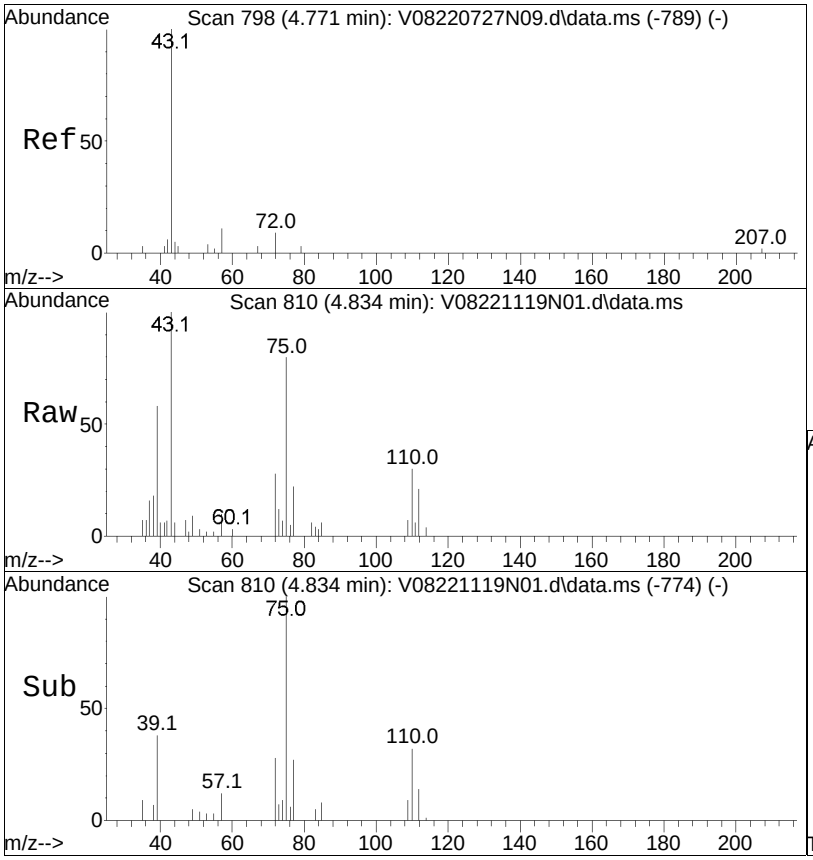


#37
1,1,1-Trichloroethane
Concen: 8.74 ug/L
RT: 4.640 min Scan# 773
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 97 Resp: 67711

Ion	Ratio	Lower	Upper
97	100		
99	62.9	40.7	84.5
61	53.5	35.4	73.4
63	14.8	5.0	10.4#

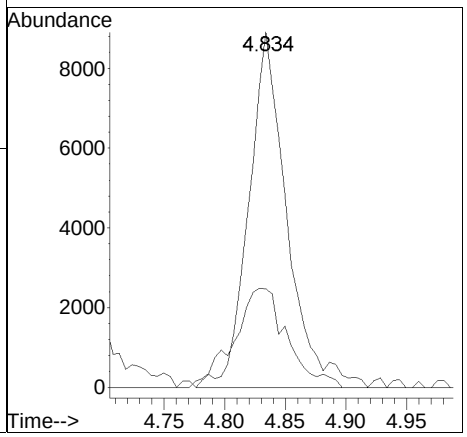


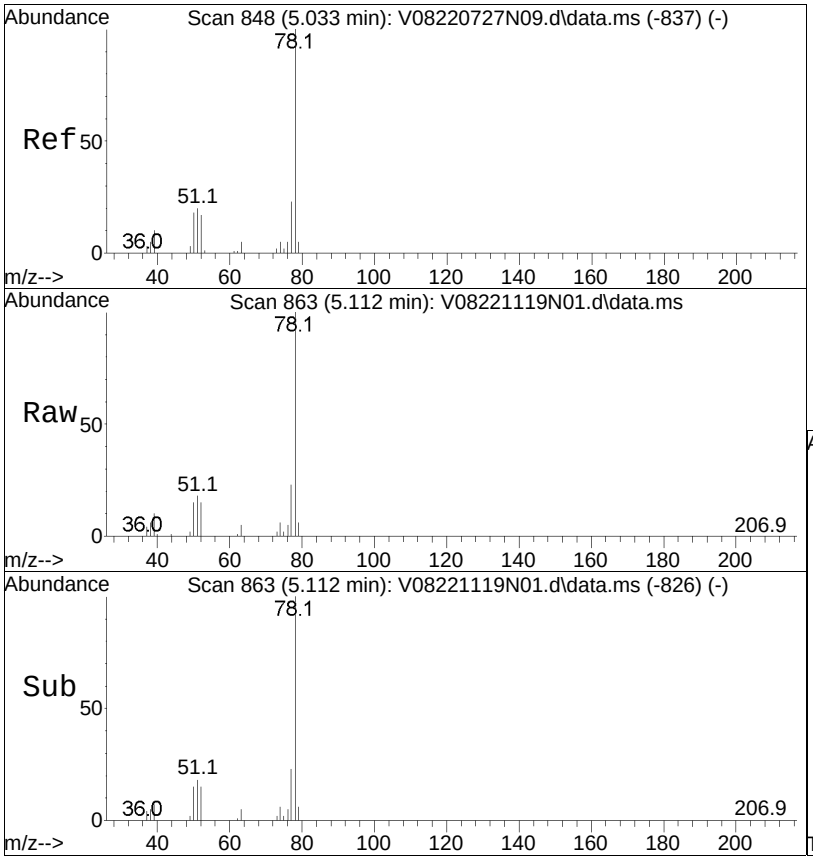


#39
2-Butanone
Concen: 8.50 ug/L
RT: 4.834 min Scan# 810
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 43 Resp: 19493

Ion	Ratio	Lower	Upper
43	100		
72	38.8	10.9	16.3#

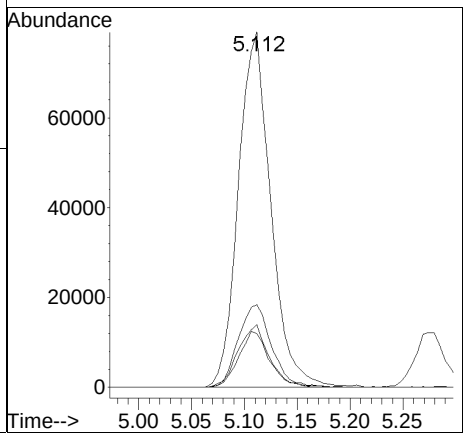


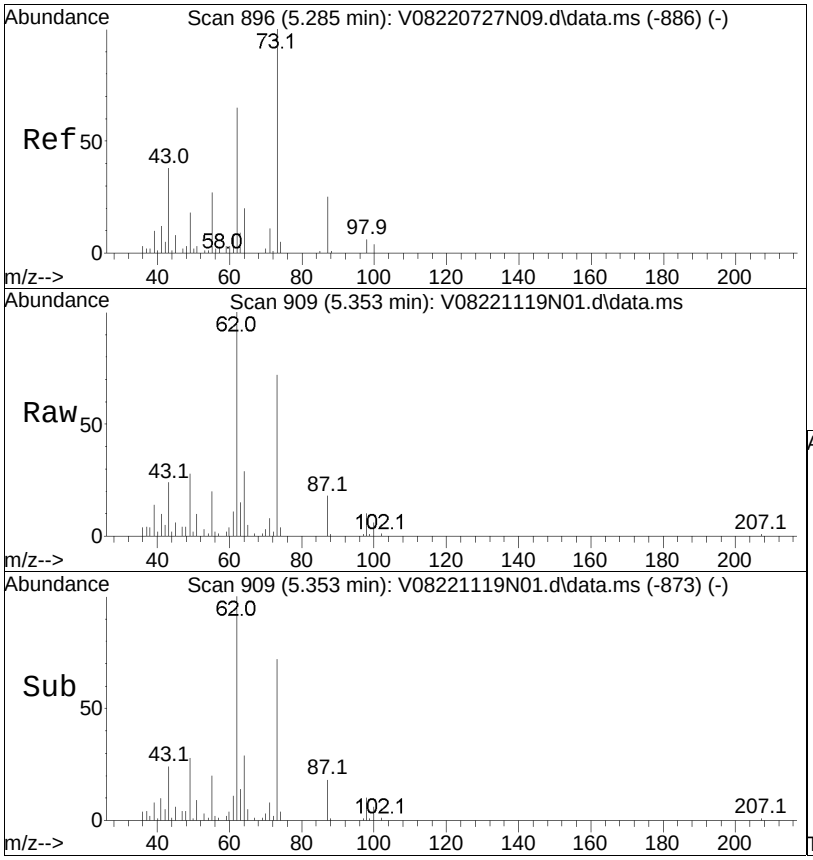


#41
Benzene
Concen: 9.15 ug/L
RT: 5.112 min Scan# 863
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 78 Resp: 169072

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.7	32.7
51	17.0	16.0	33.2
52	14.9	15.3	31.9#

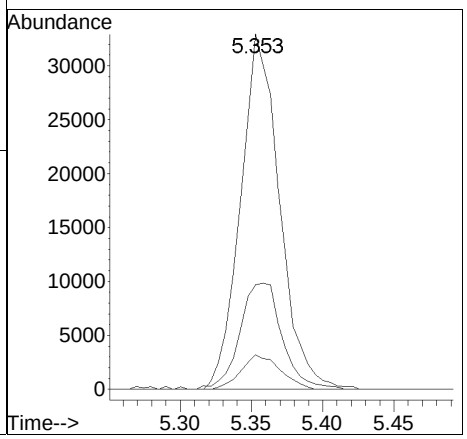


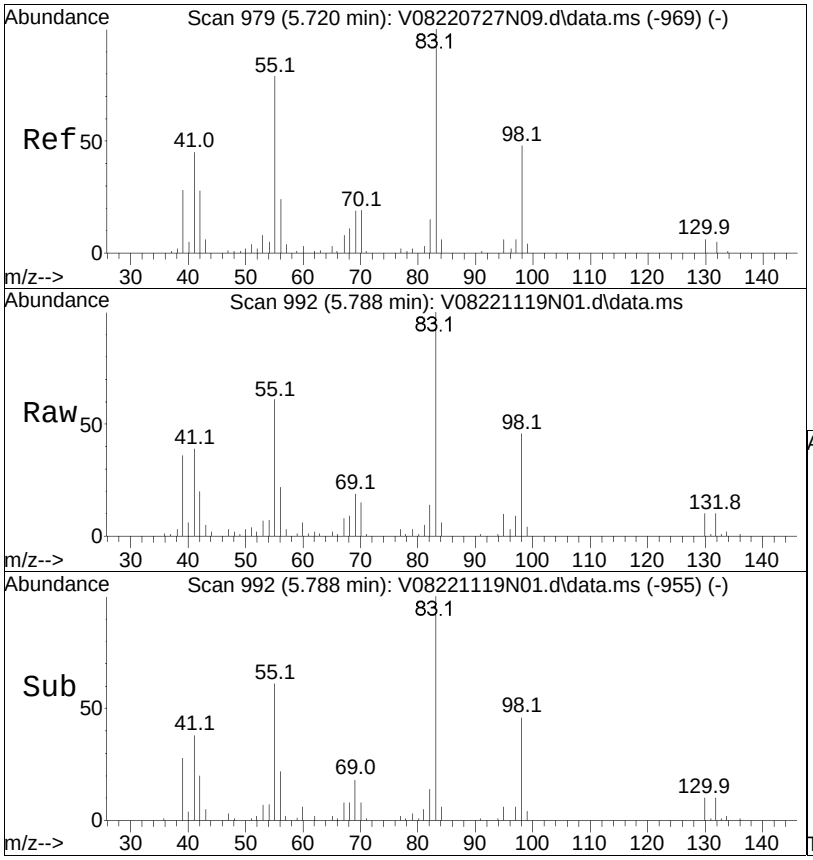


#44
1,2-Dichloroethane
Concen: 9.10 ug/L
RT: 5.353 min Scan# 909
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 62 Resp: 62807

Ion	Ratio	Lower	Upper
62	100		
64	32.4	11.2	51.2
98	9.9	0.0	26.1

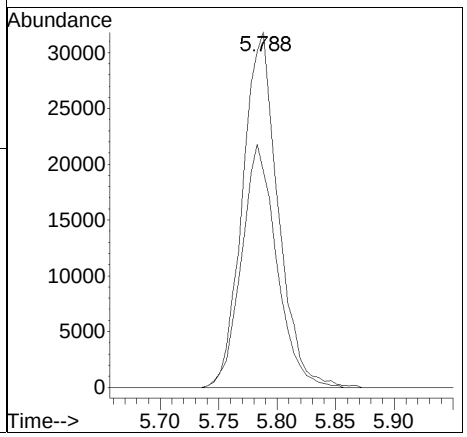


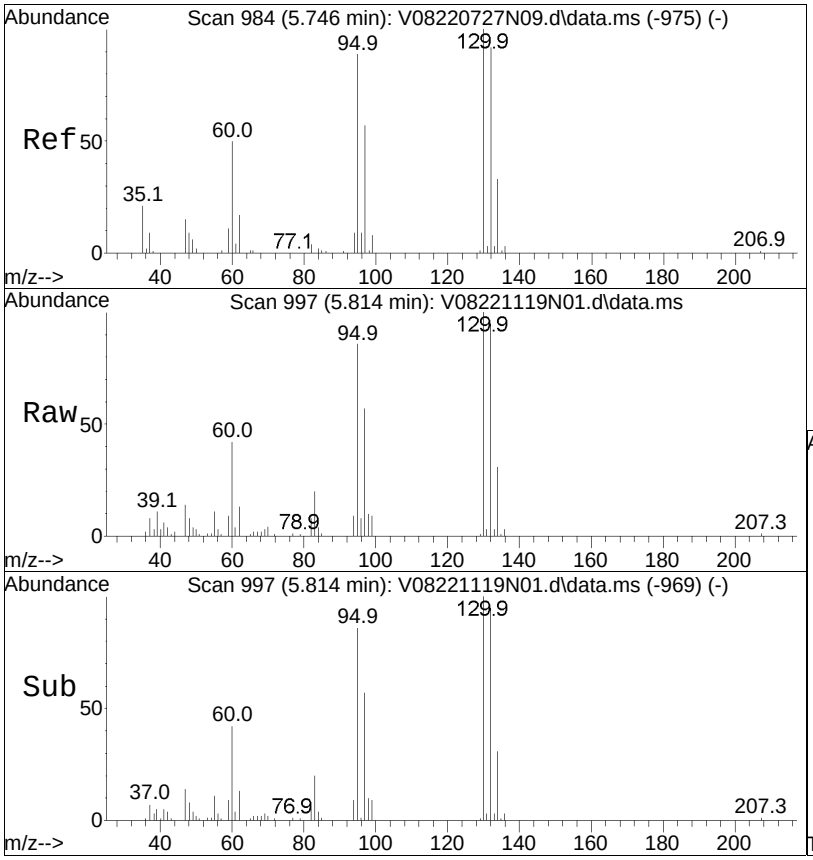


#47
Methyl cyclohexane
Concen: 8.71 ug/L
RT: 5.788 min Scan# 992
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 83 Resp: 67215

Ion	Ratio	Lower	Upper
83	100		
55	67.7	88.3	132.5#

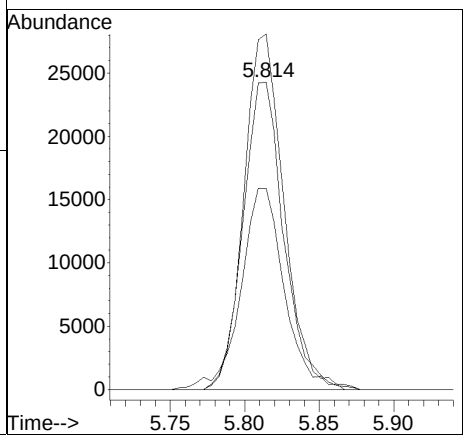


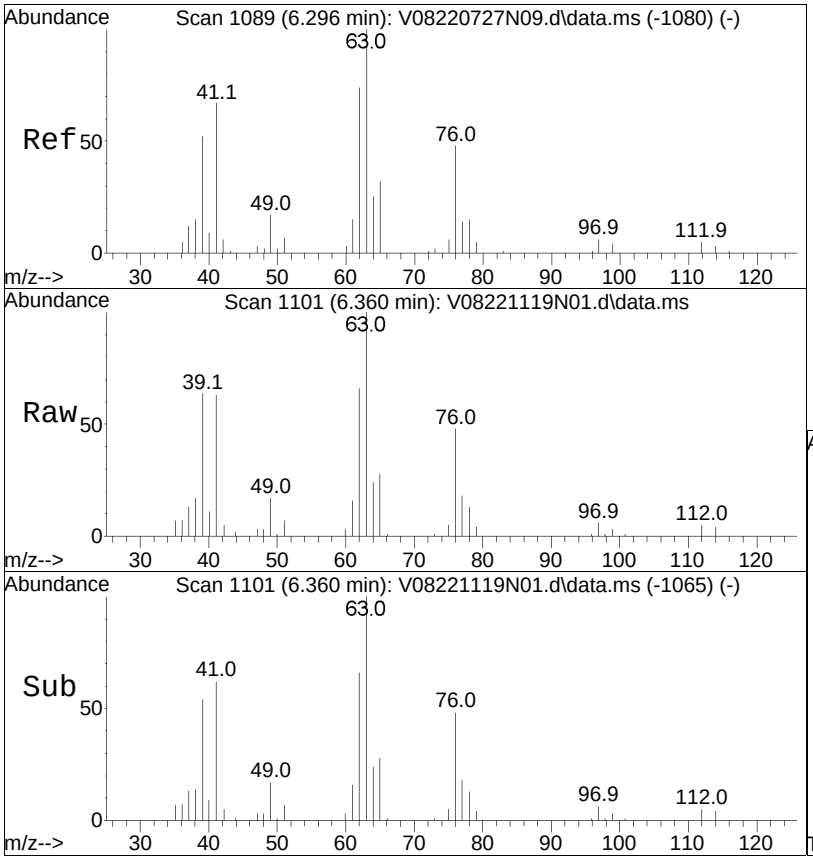


#48
Trichloroethene
Concen: 8.59 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 95 Resp: 46166

Ion	Ratio	Lower	Upper
95	100		
97	69.2	55.5	83.3
130	113.7	76.6	115.0

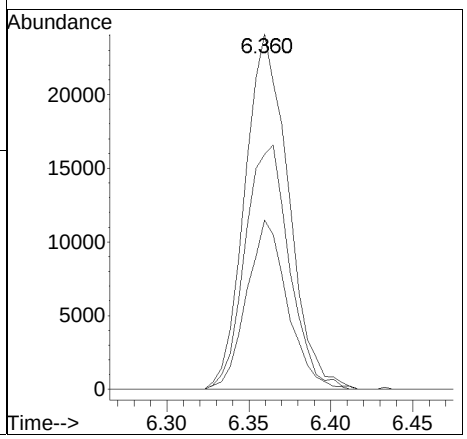


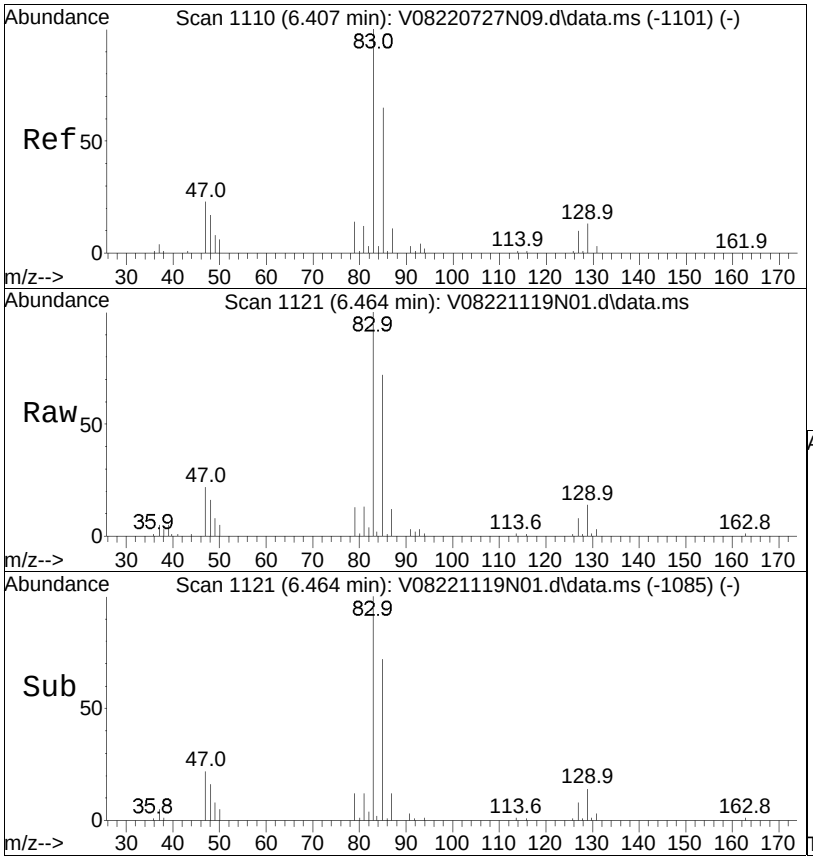


#51
1,2-Dichloropropane
Concen: 9.55 ug/L
RT: 6.360 min Scan# 1101
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 63 Resp: 44600

Ion	Ratio	Lower	Upper
63	100		
62	70.1	58.6	87.8
76	44.5	38.0	57.0

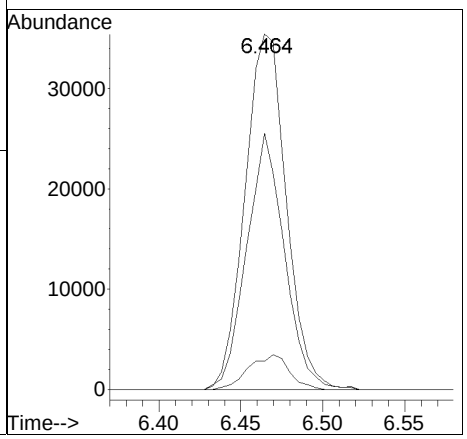


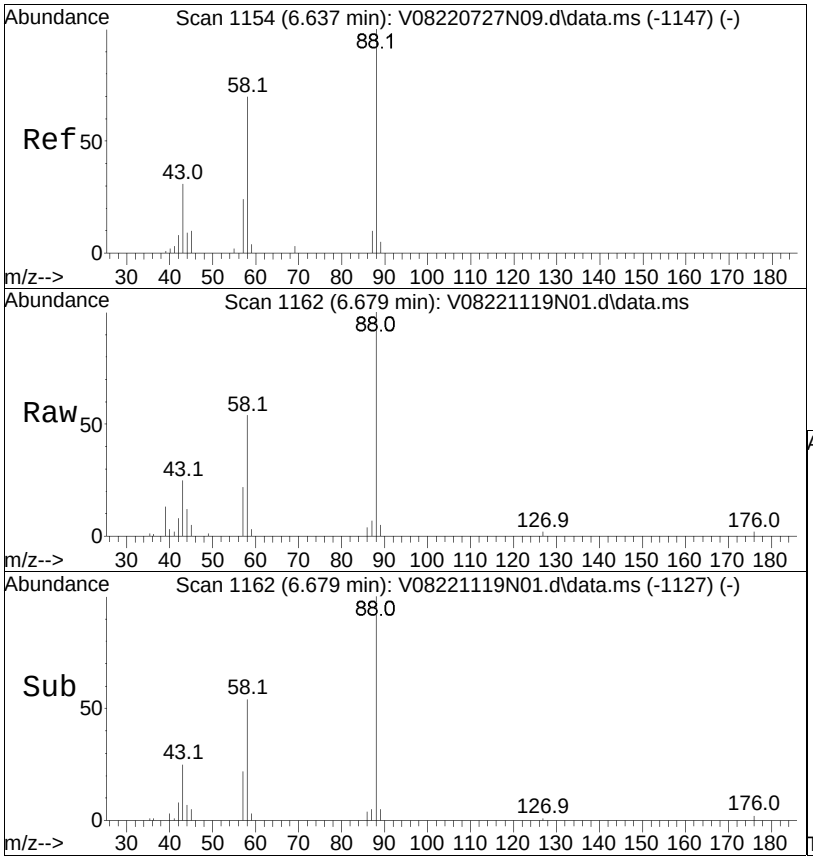


#54
Bromodichloromethane
Concen: 8.90 ug/L
RT: 6.464 min Scan# 1121
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 83 Resp: 62100

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.3	78.5
127	9.6	6.2	9.4#

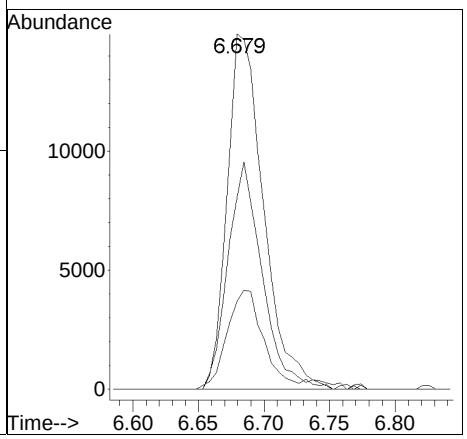


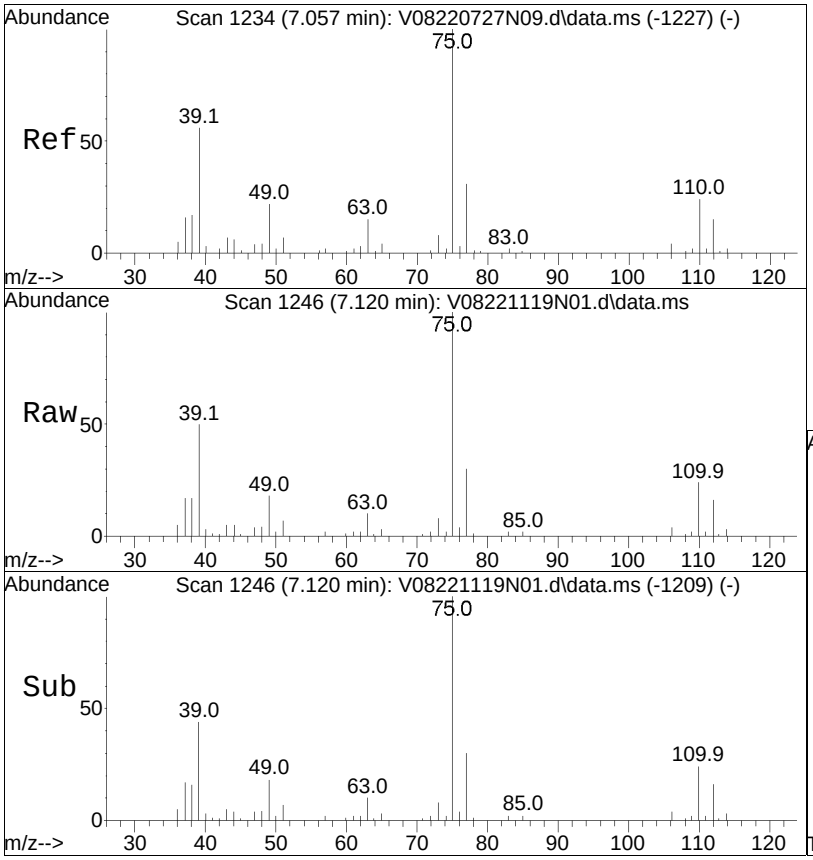


#57
1,4-Dioxane
Concen: 536.24 ug/L
RT: 6.679 min Scan# 1162
Delta R.T. -0.016 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 88 Resp: 29140

Ion	Ratio	Lower	Upper
88	100		
58	60.0	76.7	115.1#
43	28.8	36.2	54.2#

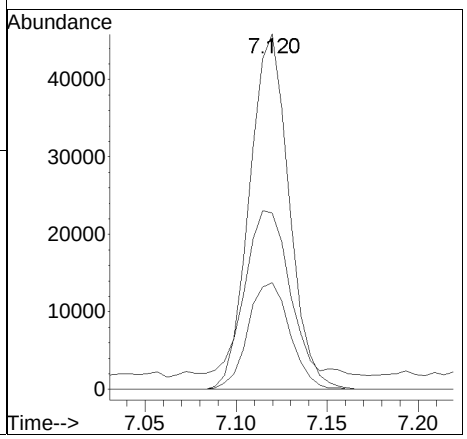


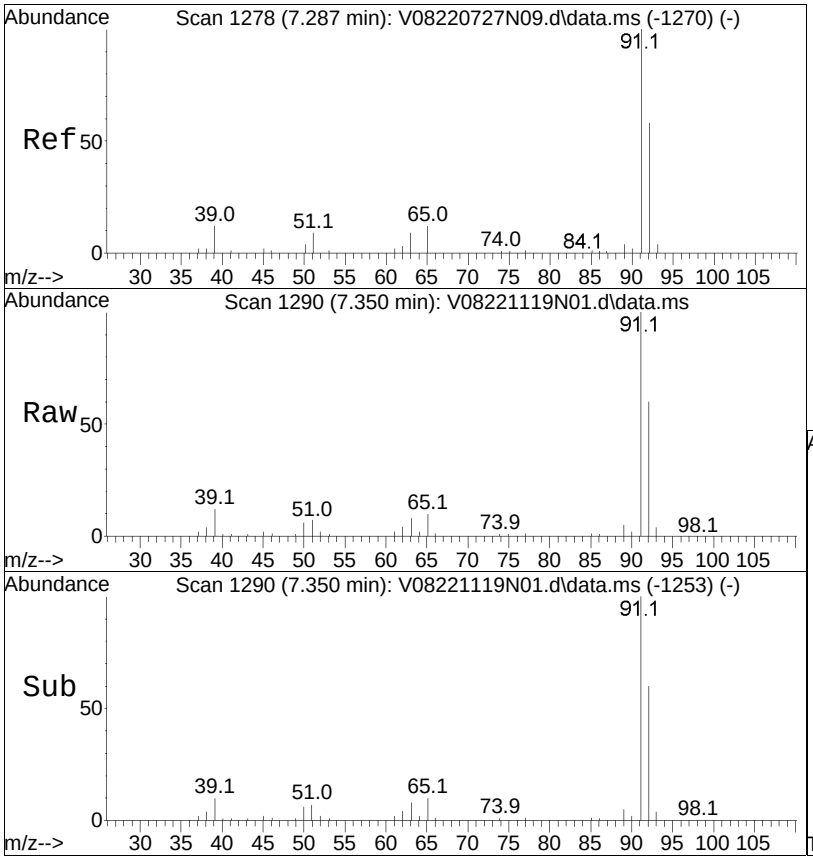


#58
cis-1,3-Dichloropropene
Concen: 8.44 ug/L
RT: 7.120 min Scan# 1246
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 75 Resp: 69349

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	54.6	50.1	75.1

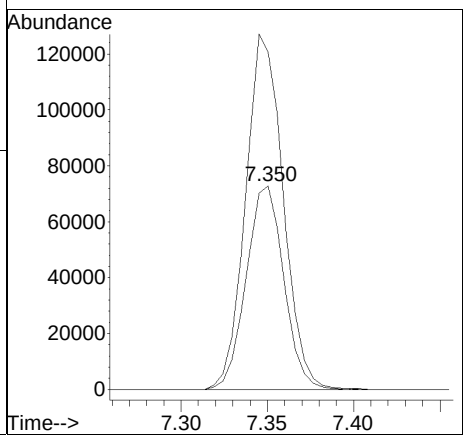


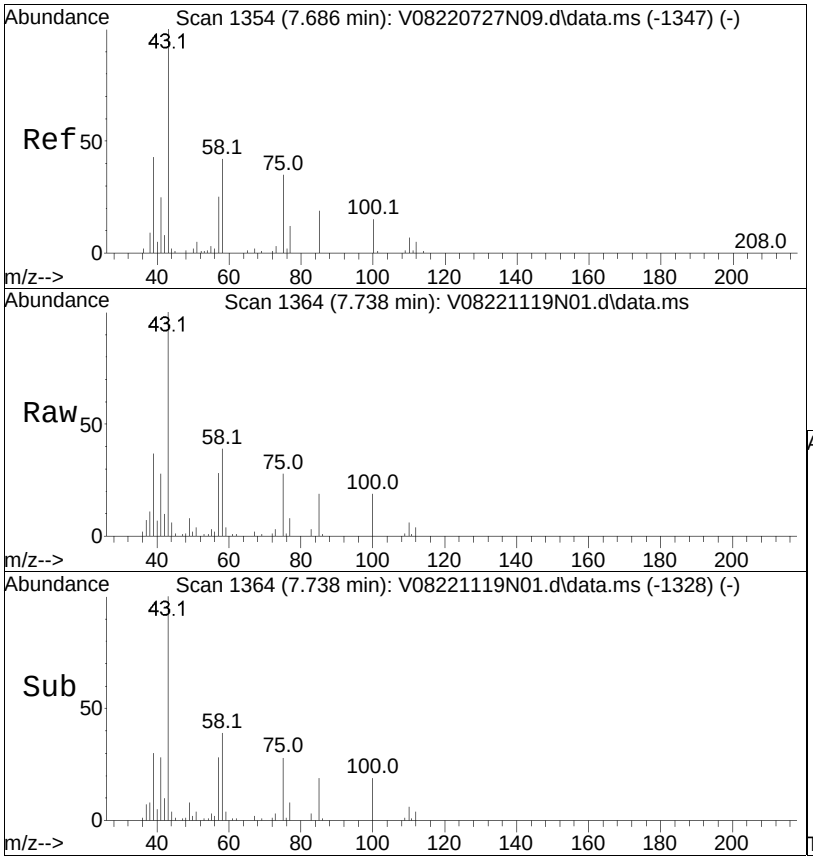


#61
Toluene
Concen: 9.11 ug/L
RT: 7.350 min Scan# 1290
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 92 Resp: 110134

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.8	209.6

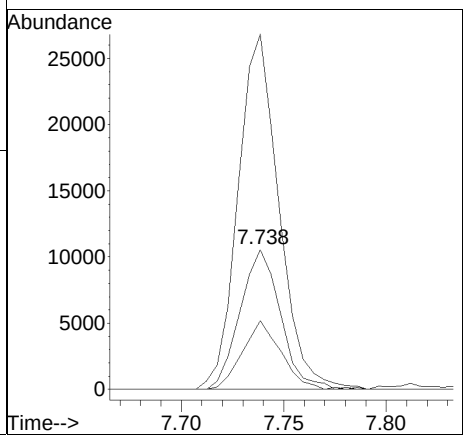


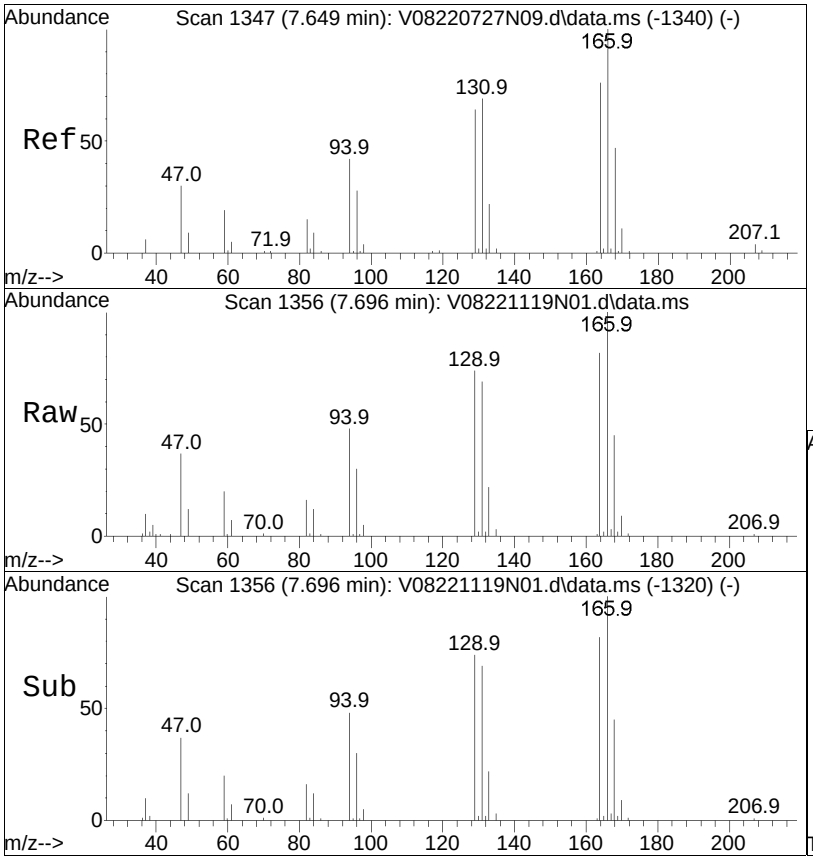


#62
4-Methyl-2-pentanone
Concen: 8.28 ug/L
RT: 7.738 min Scan# 1364
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 58 Resp: 14520

Ion	Ratio	Lower	Upper
58	100		
100	47.4	20.2	30.2#
43	256.4	196.6	295.0

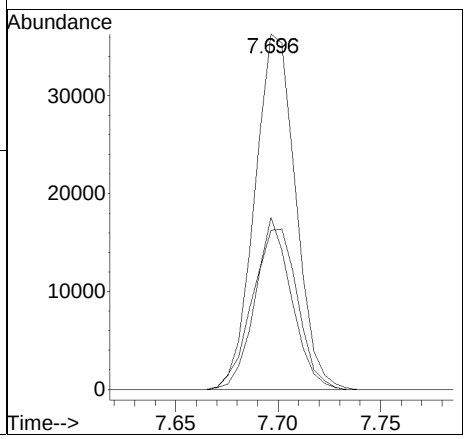


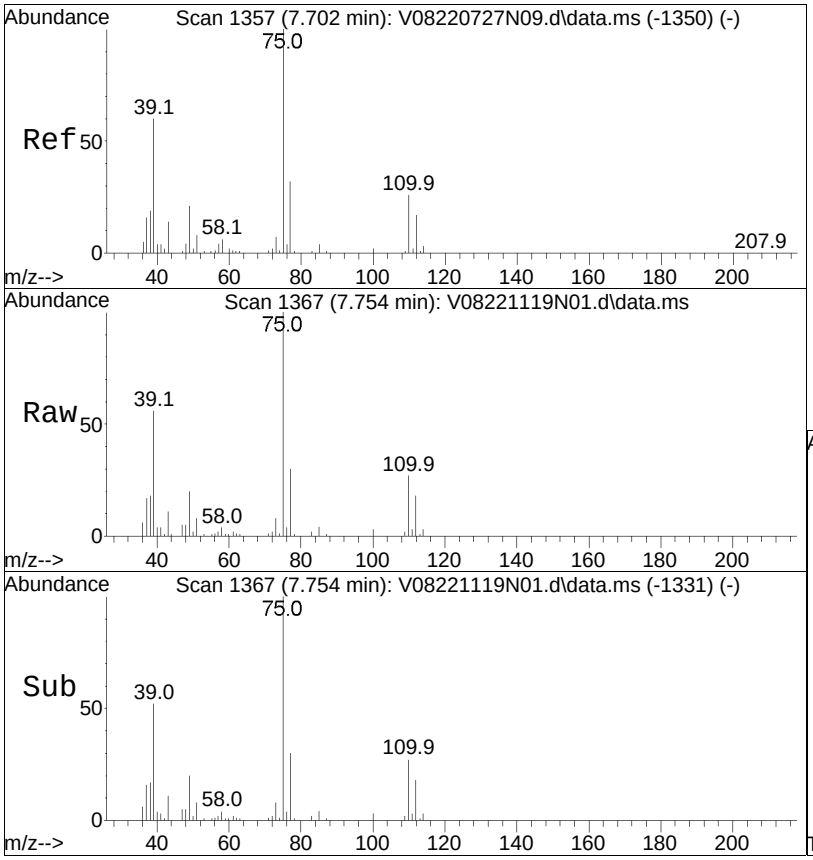


#63
Tetrachloroethene
Concen: 8.74 ug/L
RT: 7.696 min Scan# 1356
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:166 Resp: 50378

Ion	Ratio	Lower	Upper
166	100		
168	47.3	28.2	68.2
94	45.7	38.4	78.4

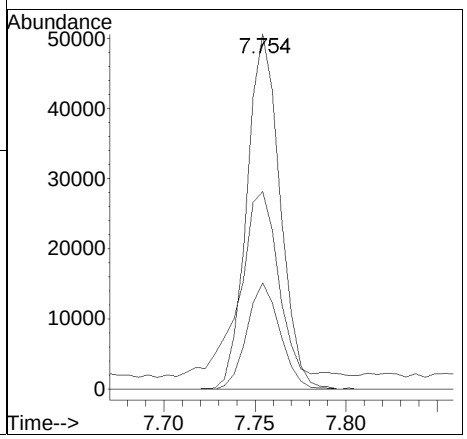


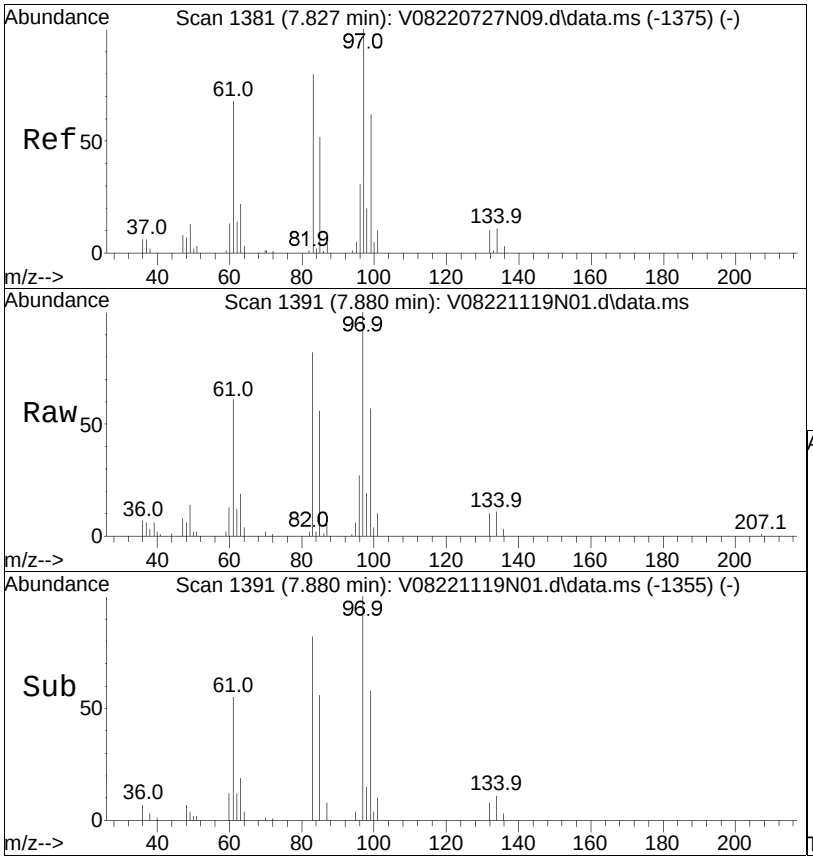


#65
trans-1,3-Dichloropropene
Concen: 8.55 ug/L
RT: 7.754 min Scan# 1367
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 75 Resp: 64256

Ion	Ratio	Lower	Upper
75	100		
77	30.1	12.4	52.4
39	62.1	42.8	82.8

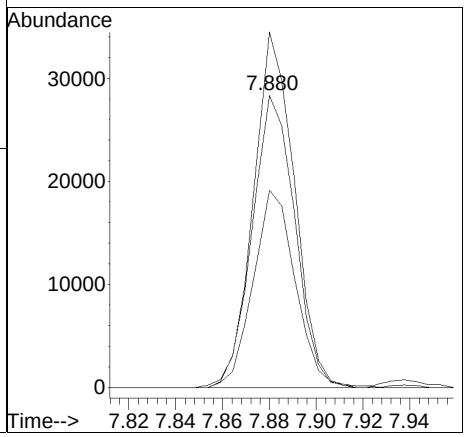


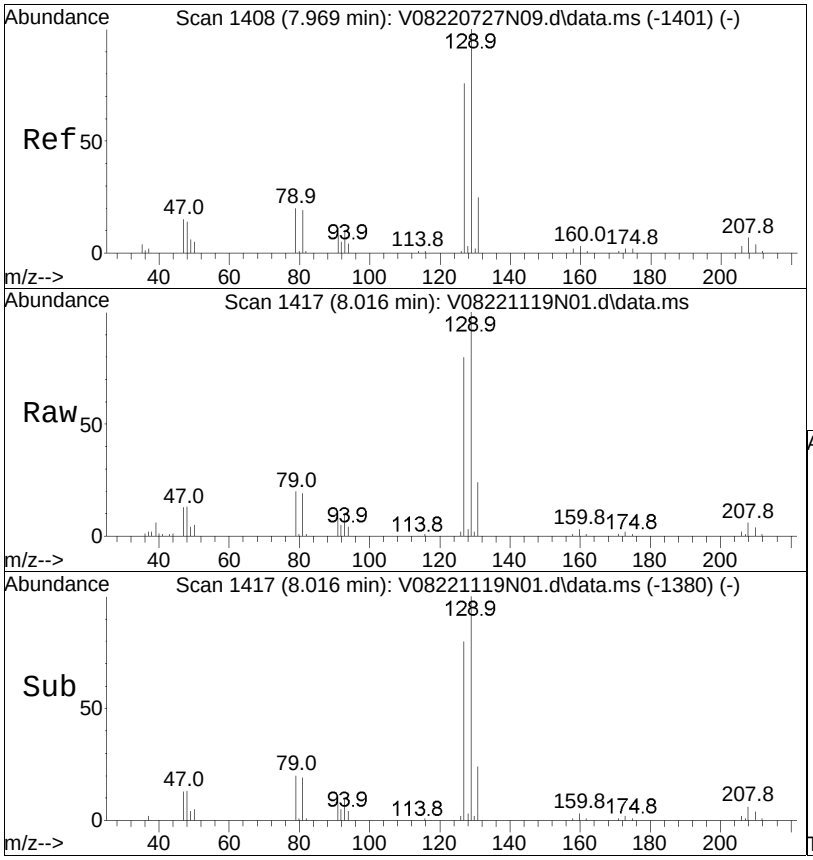


#68
1,1,2-Trichloroethane
Concen: 9.36 ug/L
RT: 7.880 min Scan# 1391
Delta R.T. -0.010 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 83 Resp: 35765

Ion	Ratio	Lower	Upper
83	100		
97	117.5	89.8	129.8
85	66.6	44.4	84.4

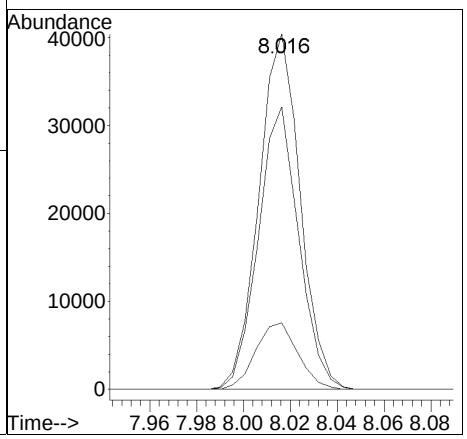


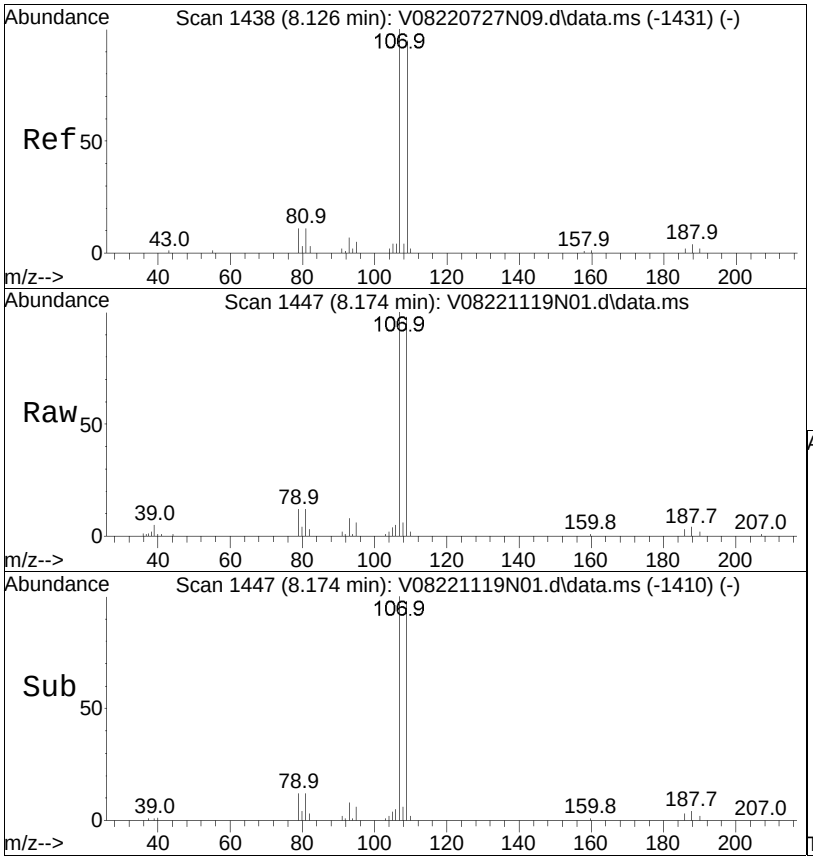


#69
Chlorodibromomethane
Concen: 8.36 ug/L
RT: 8.016 min Scan# 1417
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:129 Resp: 49605

Ion	Ratio	Lower	Upper
129	100		
81	19.2	2.9	42.9
127	77.9	57.8	97.8

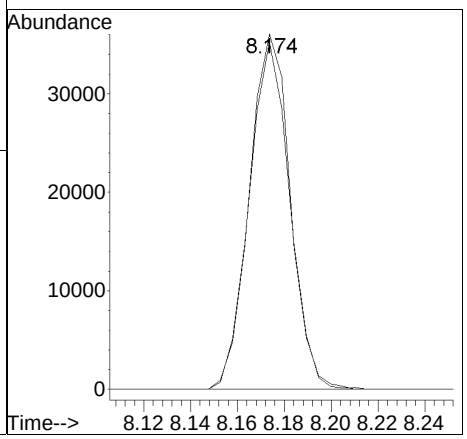


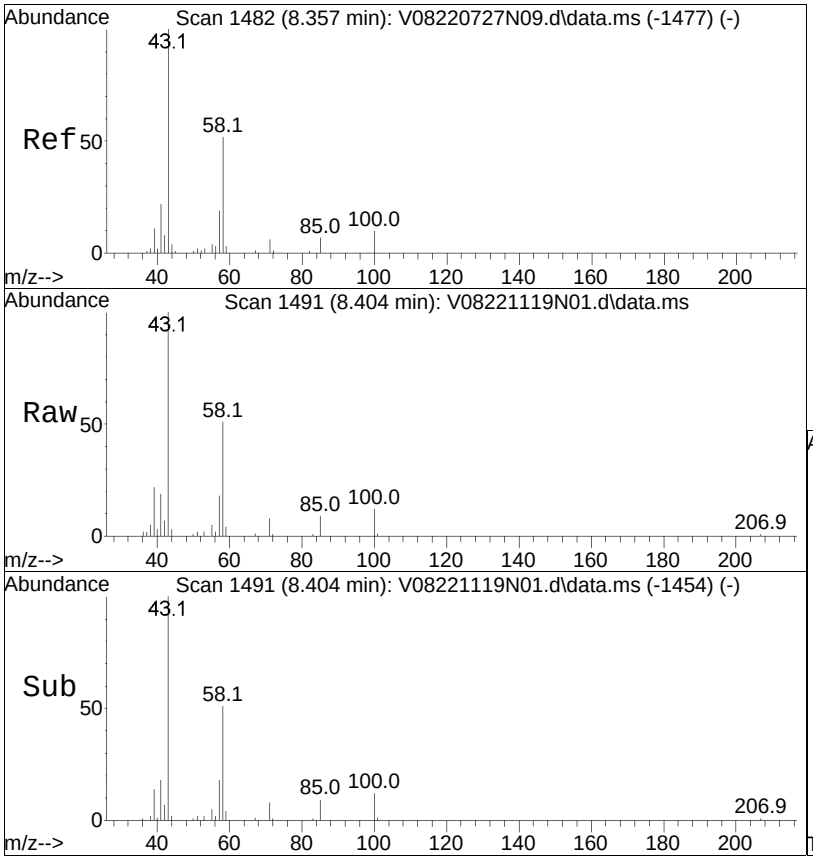


#71
1,2-Dibromoethane
Concen: 8.54 ug/L
RT: 8.174 min Scan# 1447
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:107 Resp: 43990

Ion	Ratio	Lower	Upper
107	100		
109	96.5	74.3	111.5

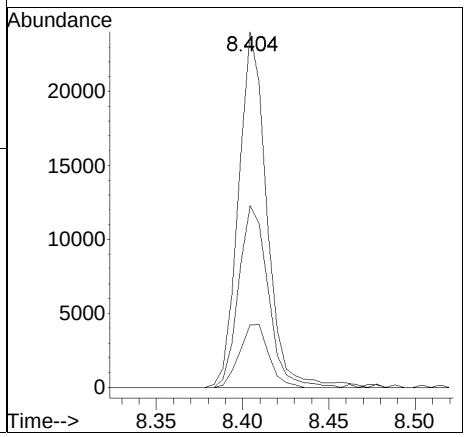


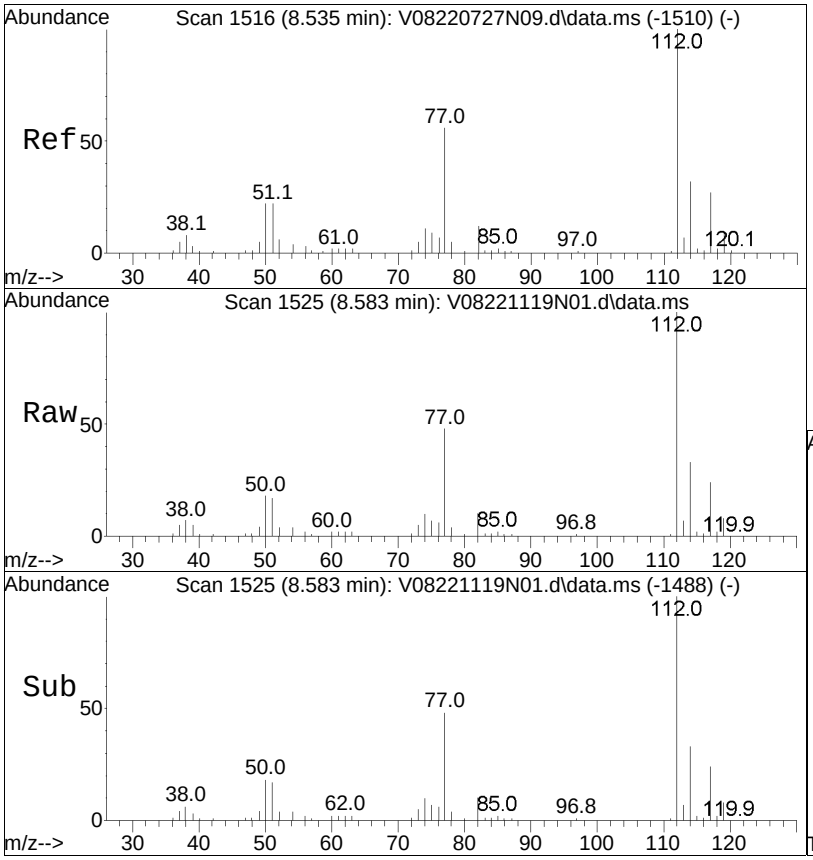


#72
2-Hexanone
Concen: 7.97 ug/L
RT: 8.404 min Scan# 1491
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 43 Resp: 27424

Ion	Ratio	Lower	Upper
43	100		
58	53.3	41.2	61.8
57	18.3	17.2	25.8

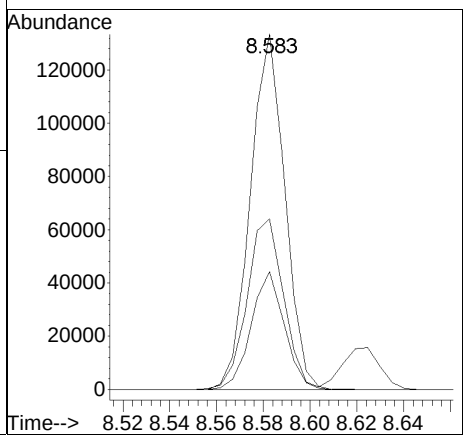


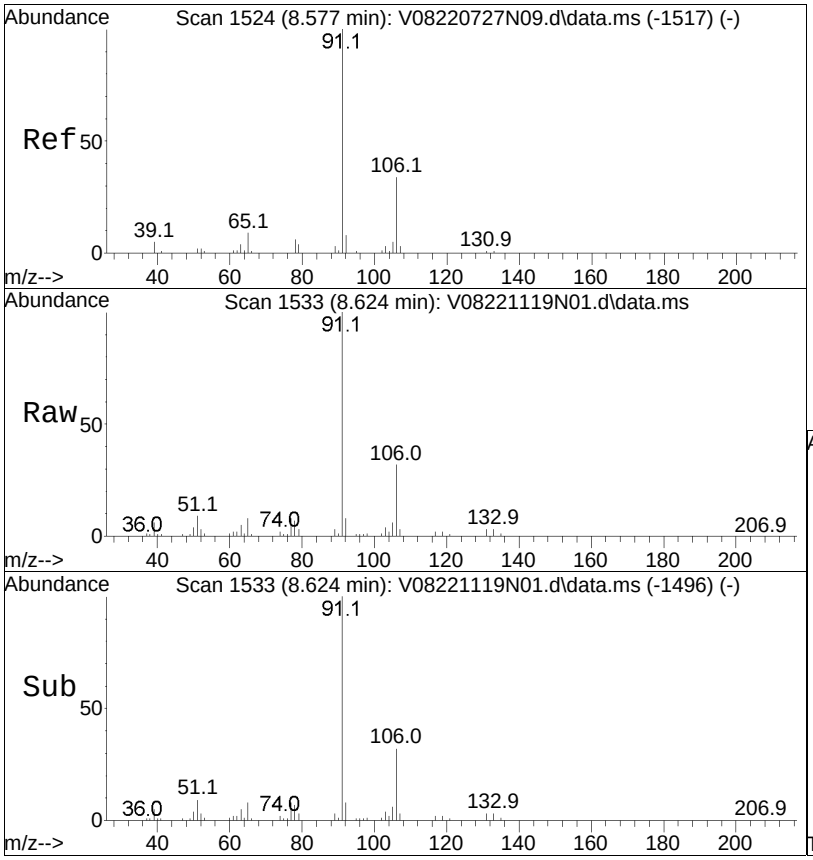


#73
Chlorobenzene
Concen: 9.18 ug/L
RT: 8.583 min Scan# 1525
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:112 Resp: 136745

Ion	Ratio	Lower	Upper
112	100		
77	50.7	55.4	83.0#
114	31.9	25.4	38.2

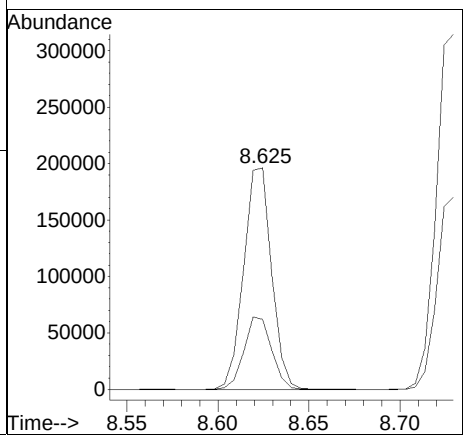


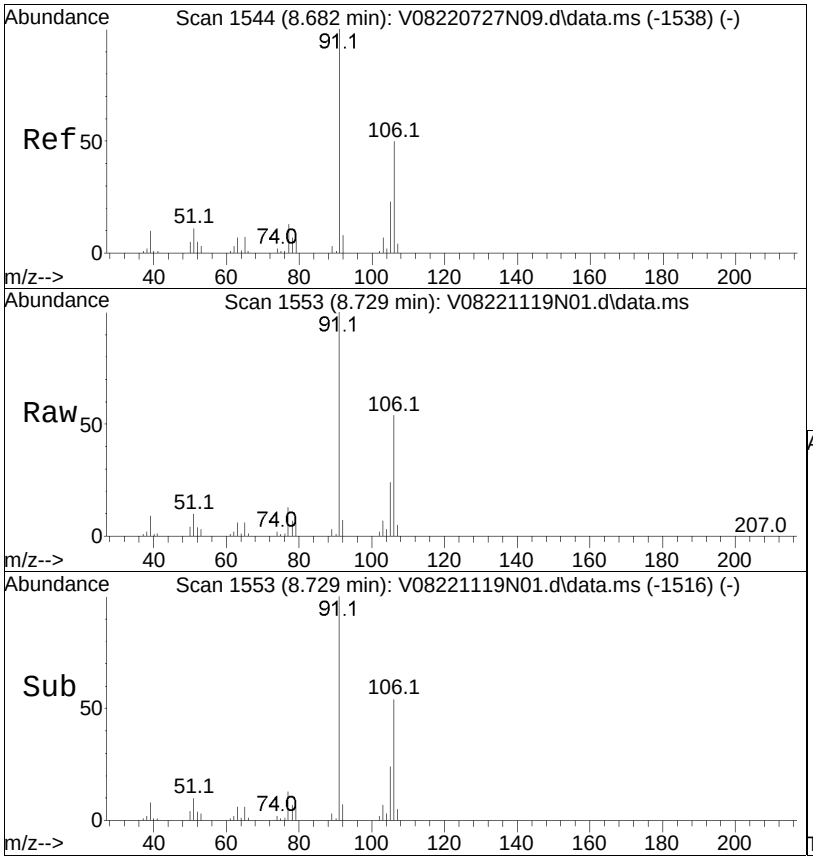


#74
Ethylbenzene
Concen: 9.06 ug/L
RT: 8.624 min Scan# 1533
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 91 Resp: 209920

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.3	36.5

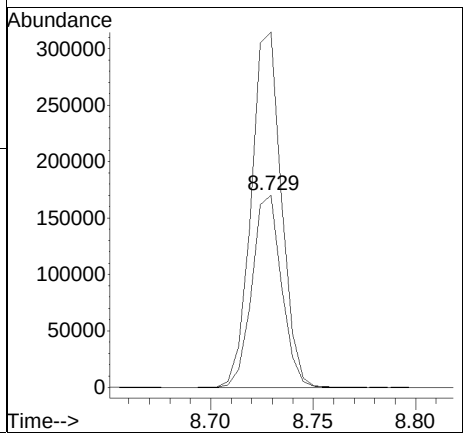


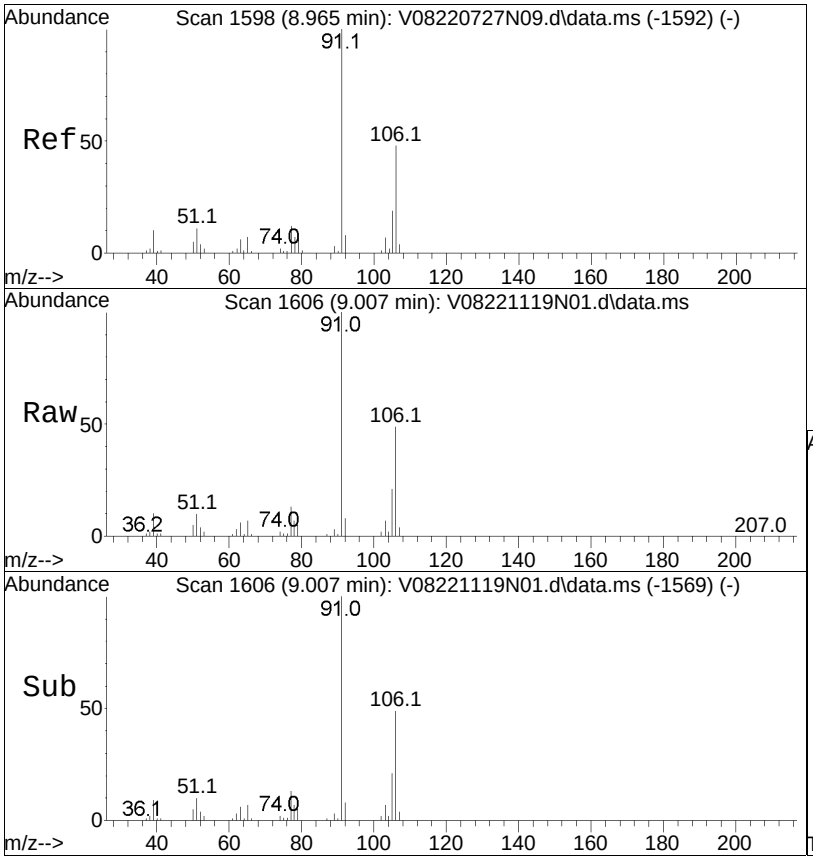


#76
p/m Xylene
Concen: 17.78 ug/L
RT: 8.729 min Scan# 1553
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:106 Resp: 171124

Ion	Ratio	Lower	Upper
106	100		
91	188.7	166.4	249.6

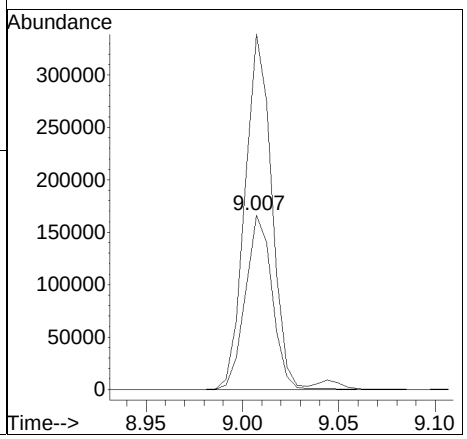


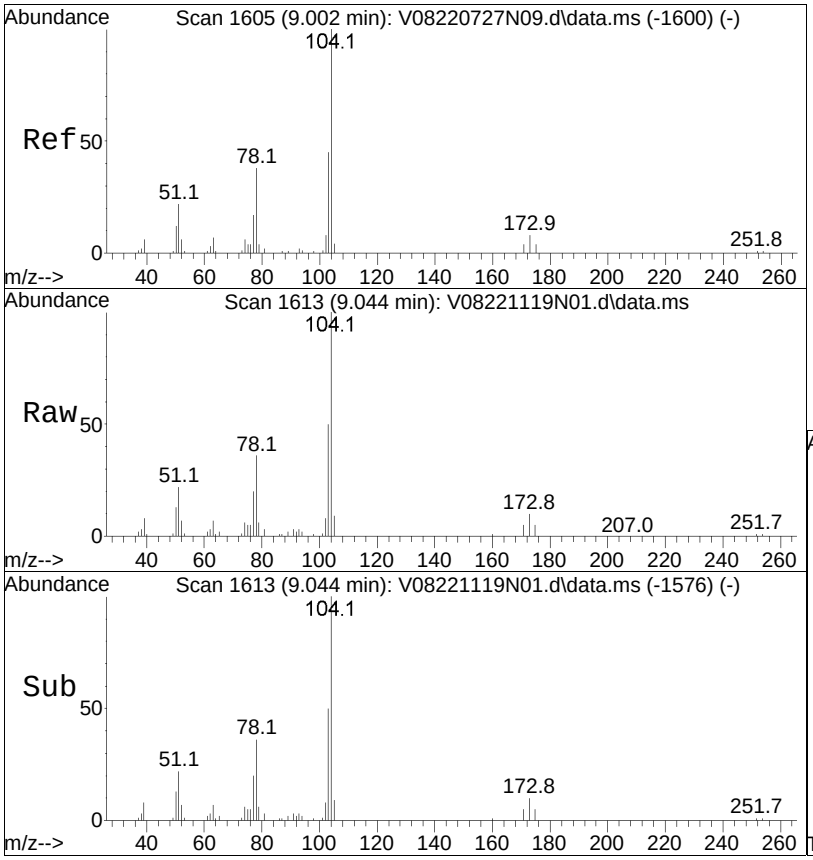


#77
o Xylene
Concen: 17.56 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:106 Resp: 161064

Ion	Ratio	Lower	Upper
106	100		
91	202.2	182.6	273.8

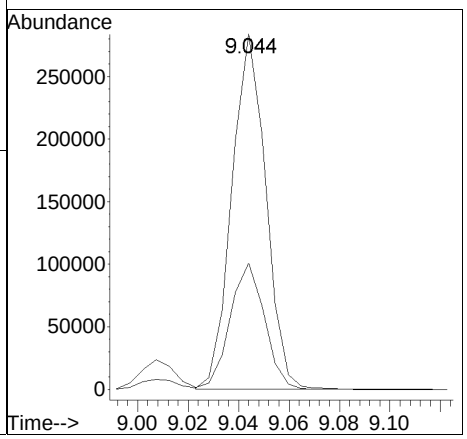


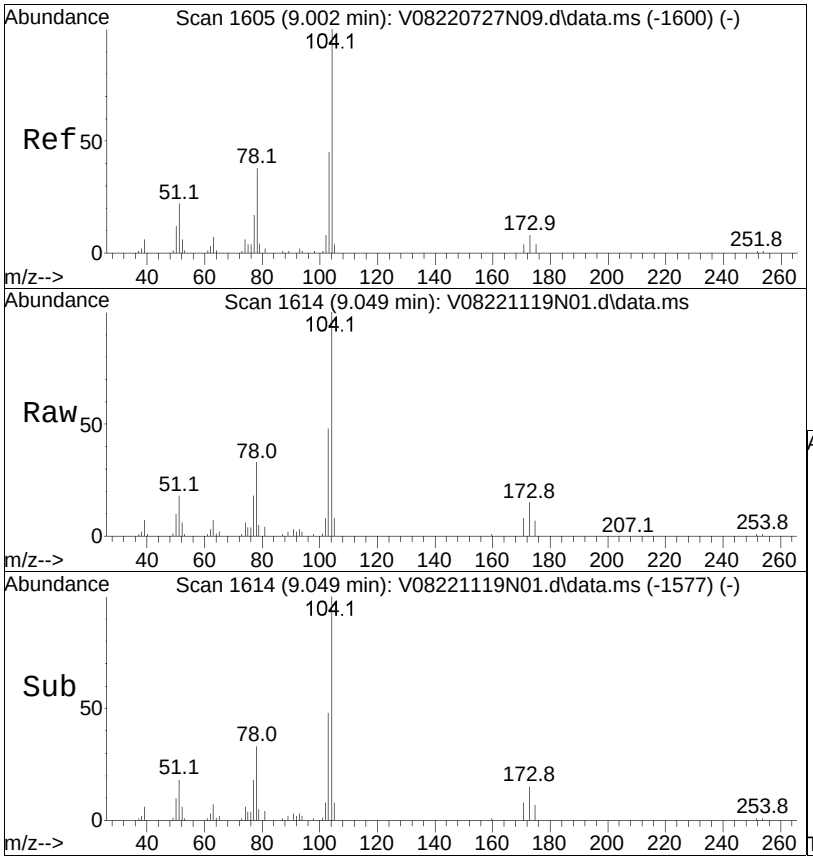


#78
Styrene
Concen: 17.23 ug/L
RT: 9.044 min Scan# 1613
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:104 Resp: 265891

Ion	Ratio	Lower	Upper
104	100		
78	36.2	39.8	59.6#

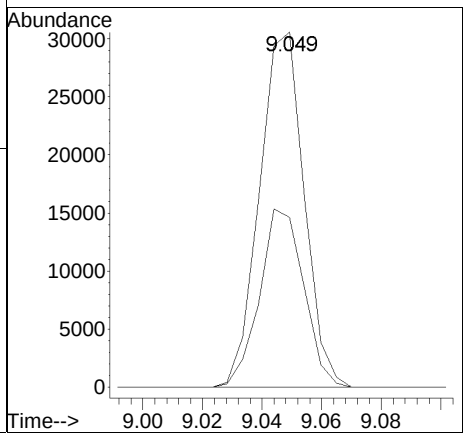


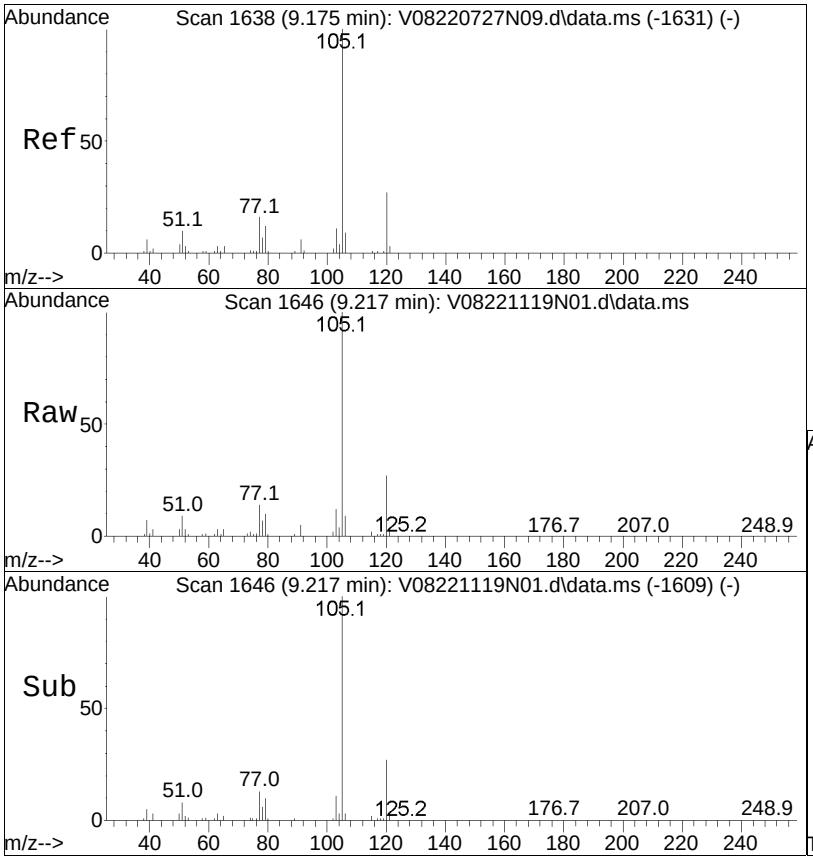


#80
Bromoform
Concen: 7.57 ug/L
RT: 9.049 min Scan# 1614
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:173 Resp: 31813

Ion	Ratio	Lower	Upper
173	100		
175	49.8	31.5	71.5

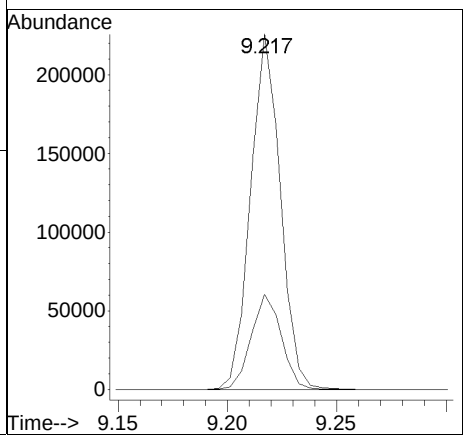


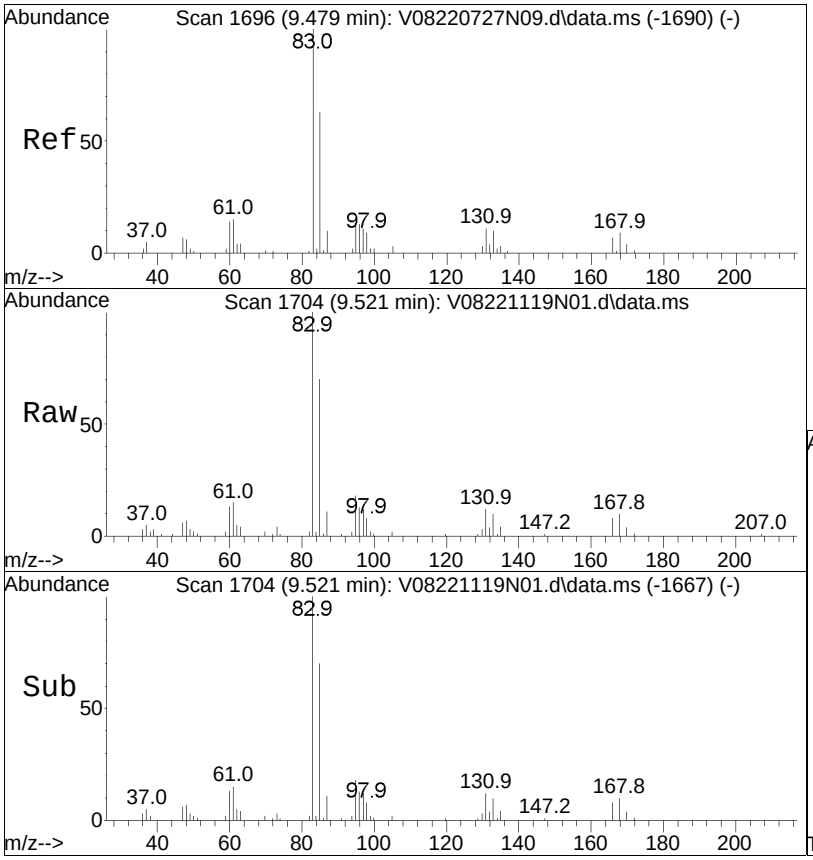


#82
Isopropylbenzene
Concen: 8.94 ug/L
RT: 9.217 min Scan# 1646
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:105 Resp: 213600

Ion	Ratio	Lower	Upper
105	100		
120	27.1	4.8	44.8

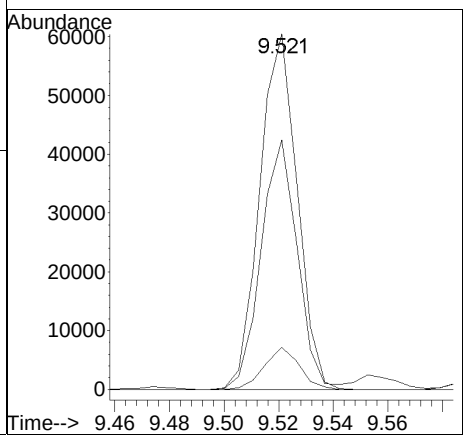


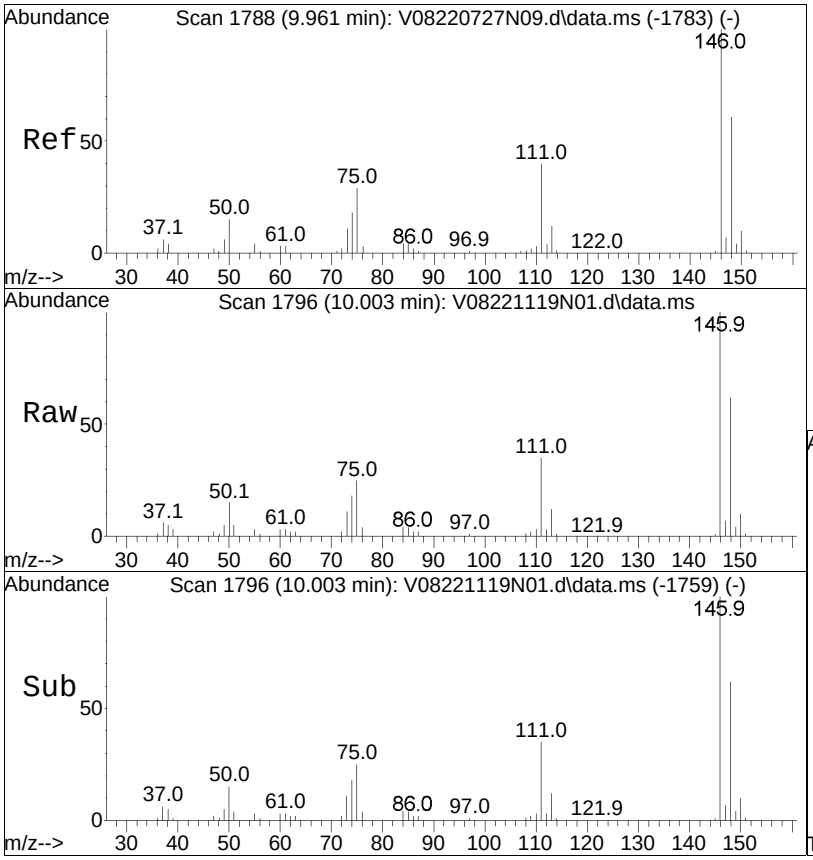


#87
1,1,2,2-Tetrachloroethane
Concen: 9.32 ug/L
RT: 9.521 min Scan# 1704
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion: 83 Resp: 57595

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	30.4
85	67.9	45.4	85.4

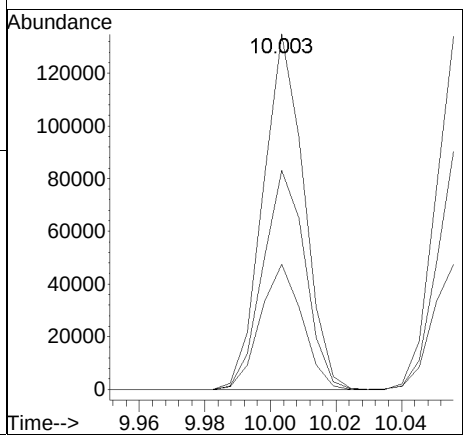


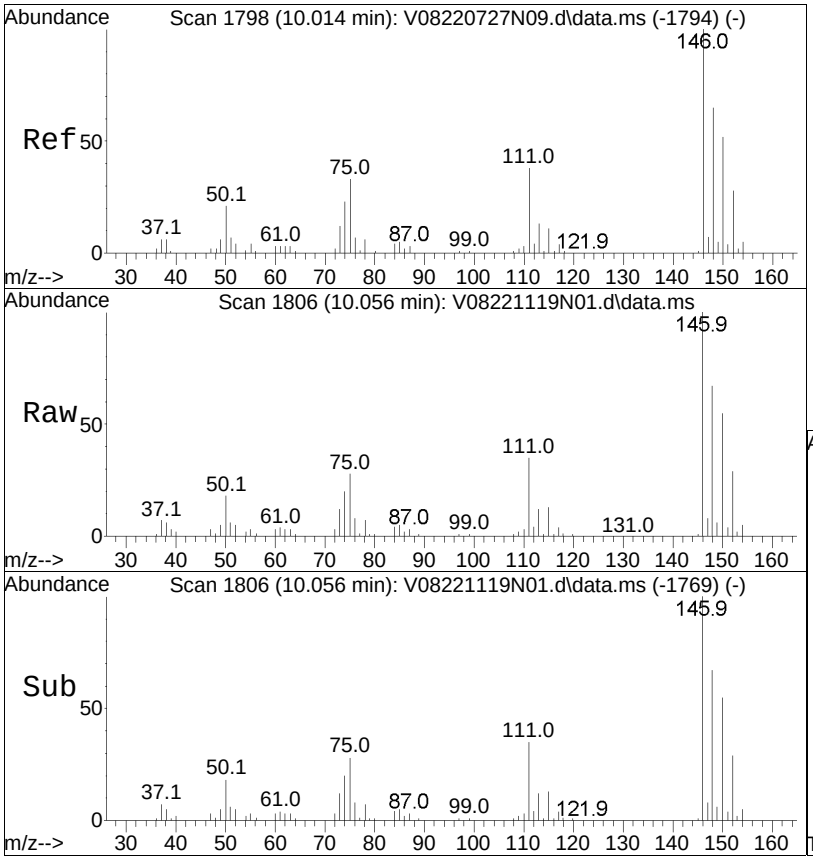


#100
1,3-Dichlorobenzene
Concen: 8.80 ug/L
RT: 10.003 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:146 Resp: 116854

Ion	Ratio	Lower	Upper
146	100		
111	35.8	27.5	57.1
148	63.5	41.9	86.9

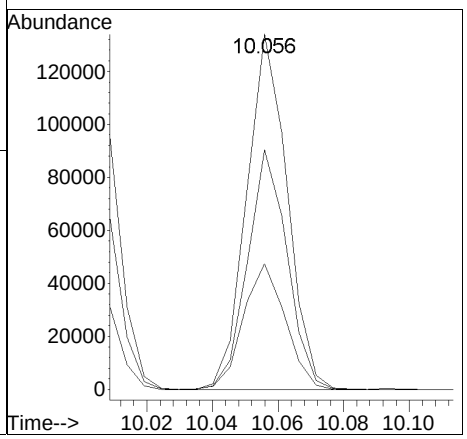


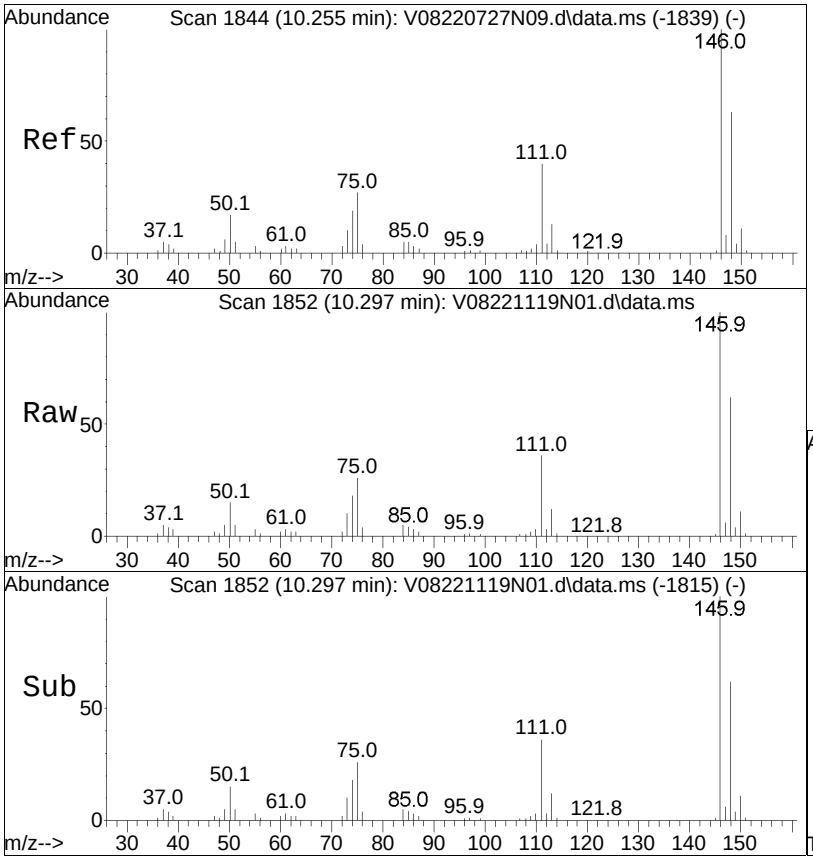


#101
1,4-Dichlorobenzene
Concen: 8.58 ug/L
RT: 10.056 min Scan# 1806
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:146 Resp: 115349

Ion	Ratio	Lower	Upper
146	100		
111	36.6	32.3	48.5
148	65.9	49.9	74.9

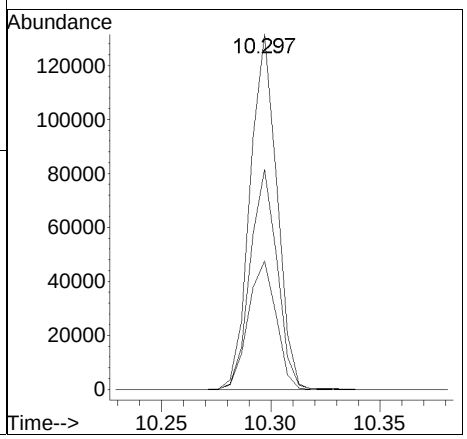


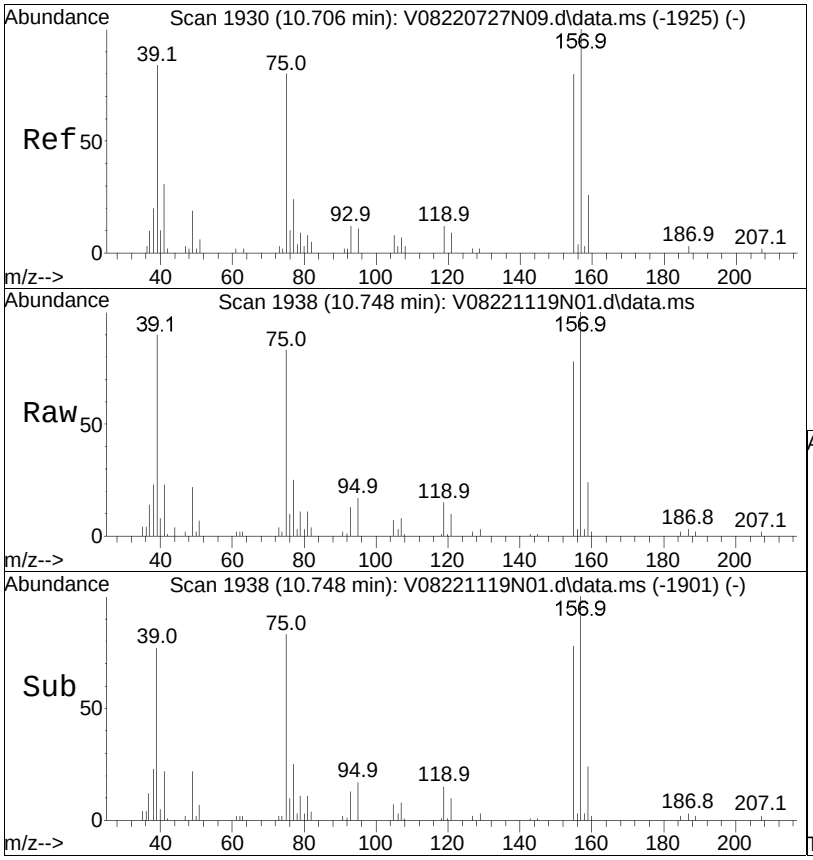


#104
1,2-Dichlorobenzene
Concen: 8.61 ug/L
RT: 10.297 min Scan# 1852
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:146 Resp: 112511

Ion	Ratio	Lower	Upper
146	100		
111	37.6	28.3	58.7
148	62.0	42.3	87.8

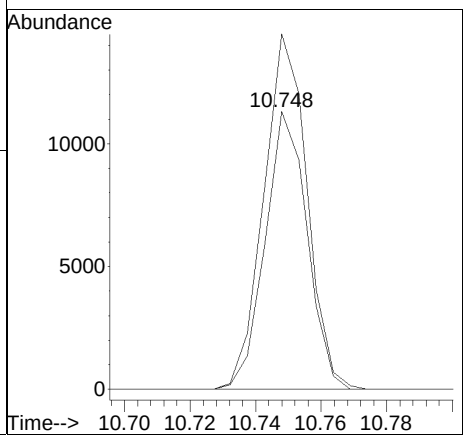


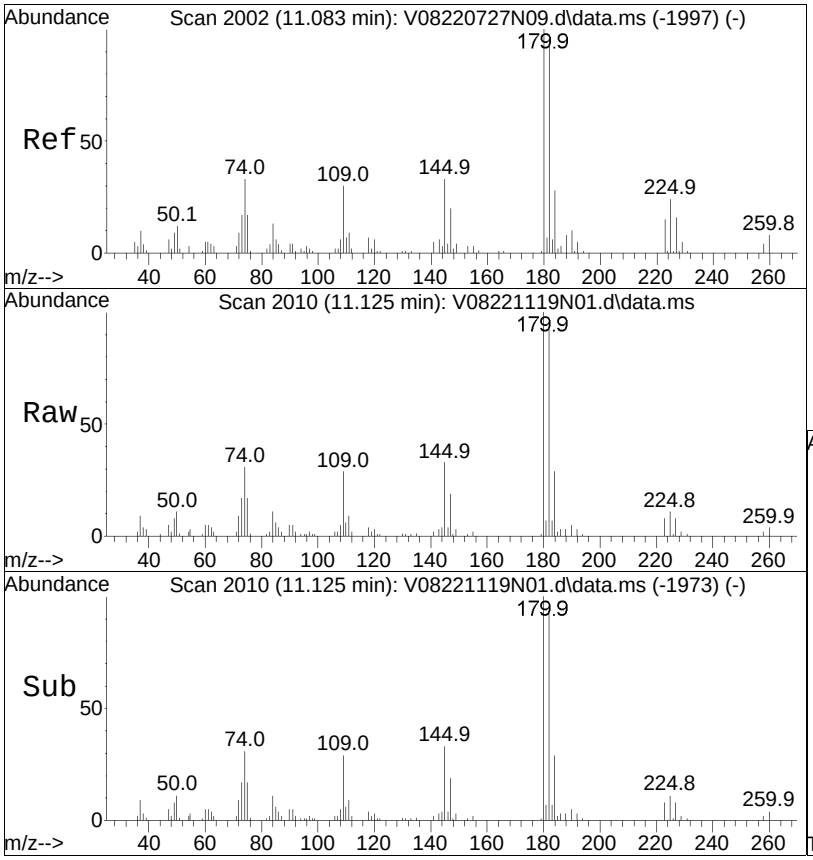


#106
1,2-Dibromo-3-chloropropane
Concen: 7.81 ug/L
RT: 10.748 min Scan# 1938
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:155 Resp: 10068

Ion	Ratio	Lower	Upper
155	100		
157	131.7	94.8	142.2

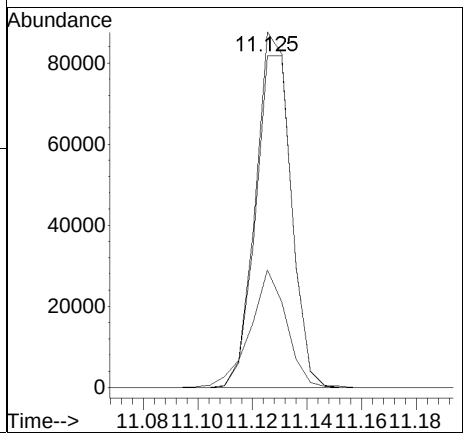


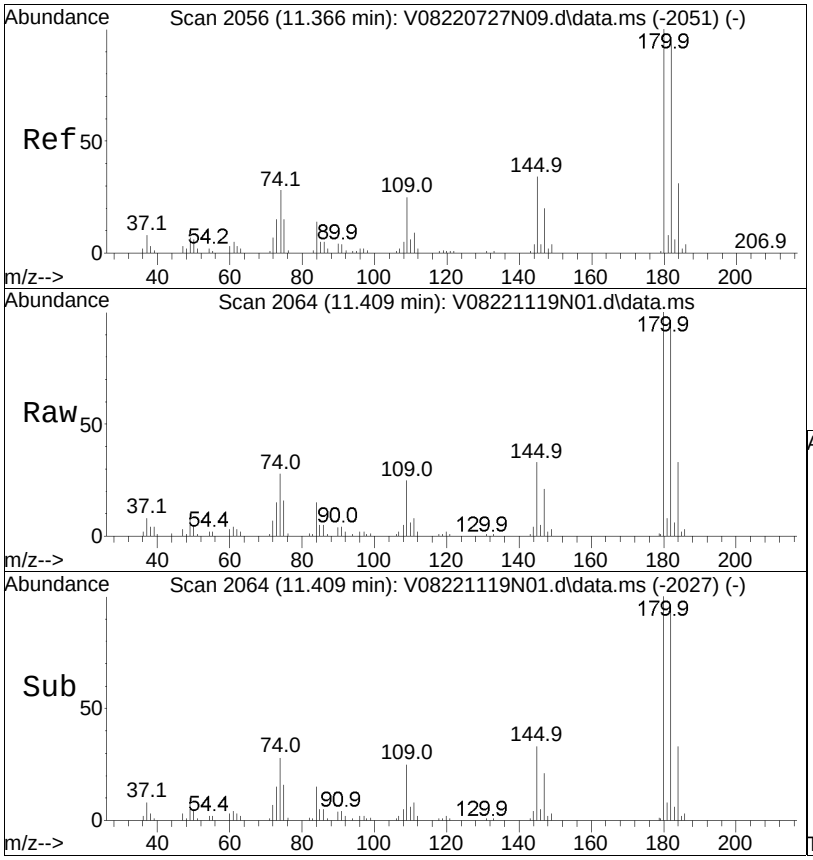


#109
1,2,4-Trichlorobenzene
Concen: 8.52 ug/L
RT: 11.125 min Scan# 2010
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:180 Resp: 78526

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.3	115.9
145	33.9	28.1	42.1

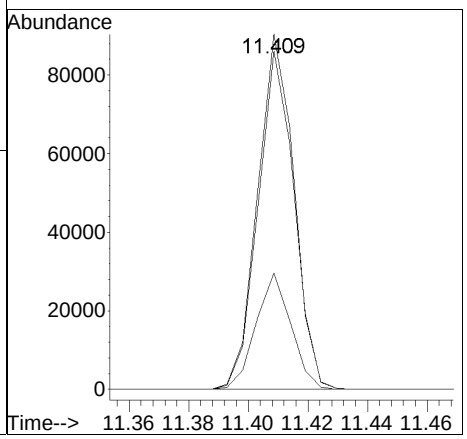




#111
1,2,3-Trichlorobenzene
Concen: 8.28 ug/L
RT: 11.409 min Scan# 2064
Delta R.T. -0.005 min
Lab File: V08221119N01.d
Acq: 19 Nov 2022 7:02 pm

Tgt Ion:180 Resp: 76613

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.4	114.6
145	31.6	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-3,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.703	96	127592	10.000 ug/L	0.00
Standard Area 1 = 127592			Recovery = 100.00%		
63) Chlorobenzene-d5	9.222	117	100081	10.000 ug/L	0.00
Standard Area 1 = 100081			Recovery = 100.00%		
84) 1,4-Dichlorobenzene-d4	11.997	152	57288	10.000 ug/L	0.00
Standard Area 1 = 57288			Recovery = 100.00%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.898	113	35204	10.230 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.30%		
47) 1,2-Dichloroethane-d4	5.416	65	41114	9.836 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.36%		
64) Toluene-d8	7.391	98	127460	9.859 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.59%		
88) 4-Bromofluorobenzene	10.754	95	50047	9.249 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.49%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.492	85	24655	8.104 ug/L	96
3) Chloromethane	1.680	50	40656	8.981 ug/L	96
4) Vinyl chloride	1.727	62	39531	9.381 ug/L	95
5) Bromomethane	2.018	94	17867	6.693 ug/L	97
6) Chloroethane	2.135	64	26396	10.048 ug/L	96
7) Trichlorofluoromethane	2.261	101	47246	9.816 ug/L	100
10) 1,1-Dichloroethene	2.724	96	26833	9.191 ug/L	87
11) Carbon disulfide	2.756	76	54284	9.527 ug/L	99
12) Freon-113	2.763	101	30742	9.361 ug/L	92
15) Methylene chloride	3.250	84	34879	10.323 ug/L #	69
17) Acetone	3.281	43	8207	8.584 ug/L	97
18) trans-1,2-Dichloroethene	3.399	96	32579	9.995 ug/L	85
19) Methyl acetate	3.399	43	20550	9.886 ug/L #	84
21) Methyl tert-butyl ether	3.501	73	65319	9.057 ug/L #	82
25) 1,1-Dichloroethane	3.964	63	72051	10.227 ug/L	98
30) cis-1,2-Dichloroethene	4.466	96	36446	10.050 ug/L #	83
33) Bromochloromethane	4.655	128	16902	11.237 ug/L #	64
34) Cyclohexane	4.671	56	67724	8.522 ug/L	69
35) Chloroform	4.725	83	66128	10.429 ug/L	94
37) Carbon tetrachloride	4.867	117	46477	9.514 ug/L #	98

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-3,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	4.930	97	49564	9.427	ug/L		91
42) 2-Butanone	5.008	43	12400	8.899	ug/L	#	39
45) Benzene	5.291	78	138455	10.290	ug/L	#	93
48) 1,2-Dichloroethane	5.487	62	48996	9.939	ug/L		95
51) Methyl cyclohexane	5.883	83	51337	7.855	ug/L	#	72
52) Trichloroethene	5.883	95	34920	9.476	ug/L		97
55) 1,2-Dichloropropane	6.412	63	41091	9.709	ug/L	#	84
58) Bromodichloromethane	6.488	83	43268	10.313	ug/L		99
61) 1,4-Dioxane	6.697	88	10010	504.387	ug/L	#	75
62) cis-1,3-Dichloropropene	7.176	75	58906	9.655	ug/L		92
65) Toluene	7.447	92	83558	9.677	ug/L		97
66) 4-Methyl-2-pentanone	7.870	58	8325	7.633	ug/L	#	94
67) Tetrachloroethene	7.897	166	33921	9.016	ug/L		95
69) trans-1,3-Dichloropropene	7.925	75	46599	9.147	ug/L		89
72) 1,1,2-Trichloroethane	8.105	83	22122	9.700	ug/L		95
73) Chlorodibromomethane	8.313	129	31841	9.633	ug/L		96
75) 1,2-Dibromoethane	8.584	107	25290	9.360	ug/L		98
77) 2-Hexanone	8.882	43	14574	6.947	ug/L	#	92
78) Chlorobenzene	9.243	112	92766	9.902	ug/L		97
79) Ethylbenzene	9.299	91	155574	9.299	ug/L		98
81) p/m Xylene	9.486	106	119904	18.962	ug/L		96
82) o Xylene	10.029	106	110405	18.928	ug/L		96
83) Styrene	10.098	104	187329	19.447	ug/L		91
85) Bromoform	10.112	173	19449	8.488	ug/L		94
87) Isopropylbenzene	10.439	105	162776	8.565	ug/L		95
92) 1,1,2,2-Tetrachloroethane	11.007	83	31439	9.275	ug/L		98
105) 1,3-Dichlorobenzene	11.921	146	73905	9.201	ug/L		99
106) 1,4-Dichlorobenzene	12.018	146	73580	9.162	ug/L		98
109) 1,2-Dichlorobenzene	12.443	146	66937	9.137	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.229	155	4288	7.800	ug/L		89
114) 1,2,4-Trichlorobenzene	13.877	180	39975	7.867	ug/L		98
116) 1,2,3-Trichlorobenzene	14.336	180	34875	7.822	ug/L		99

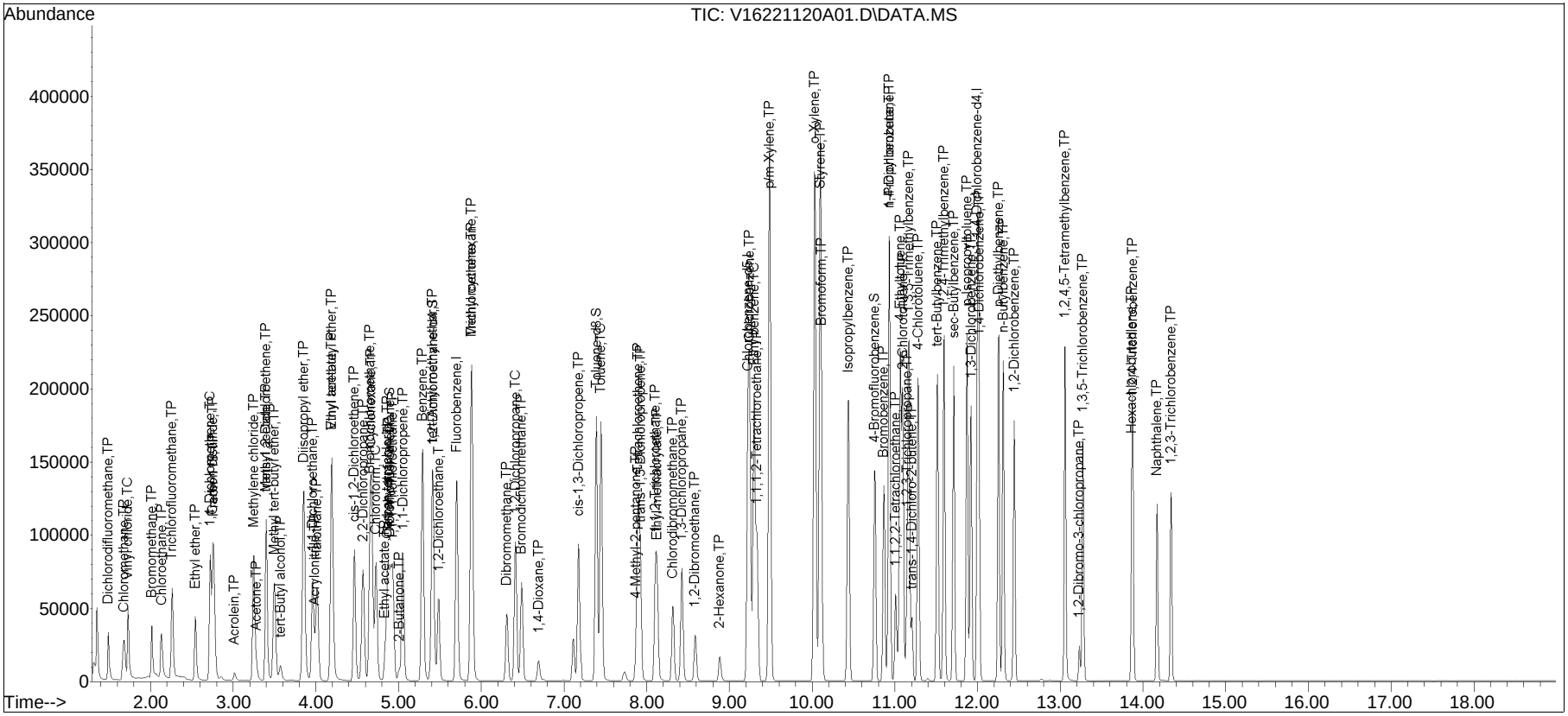
(#) = qualifier out of range (m) = manual integration (+) = signals summed

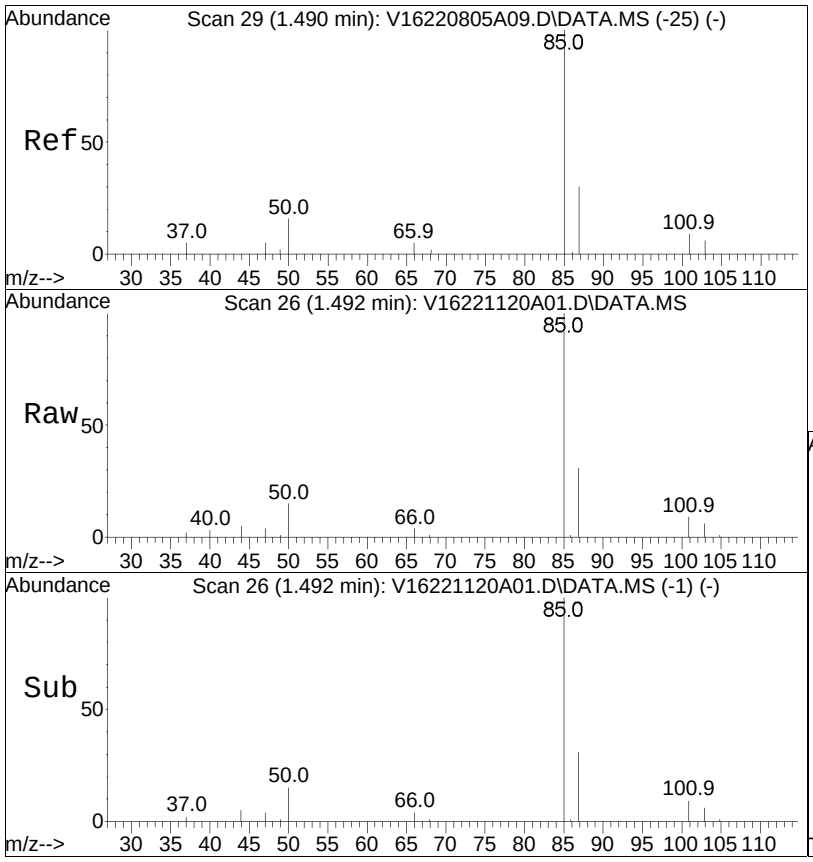
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A01.D
Acq On : 20 Nov 2022 08:28 am
Operator : VOA116:NLK
Sample : WG1714765-3,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:55:54 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

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

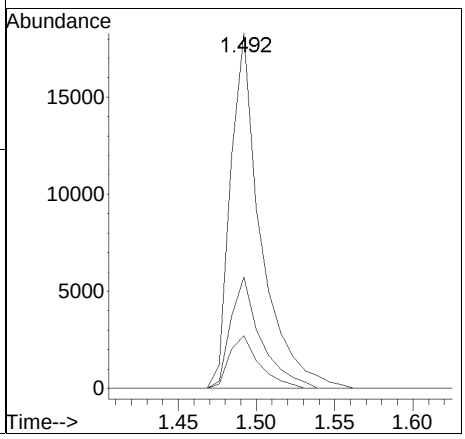


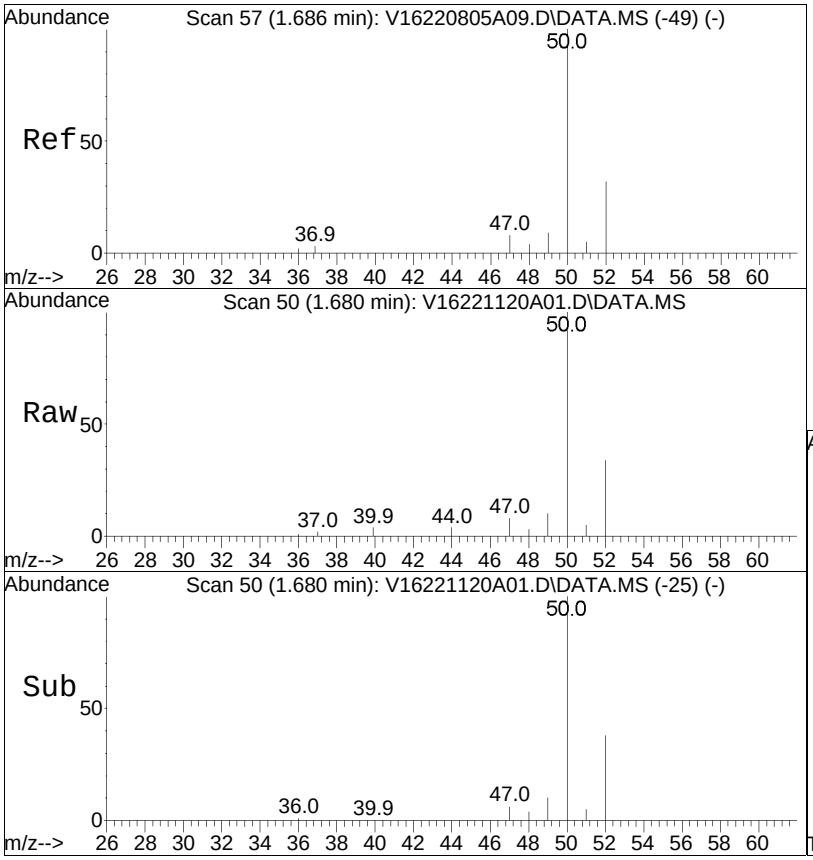


#2
Dichlorodifluoromethane
Concen: 8.10 ug/L
RT: 1.492 min Scan# 26
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 85 Resp: 24655

Ion	Ratio	Lower	Upper
85	100		
87	31.4	21.5	44.6
50	14.8	7.7	16.1

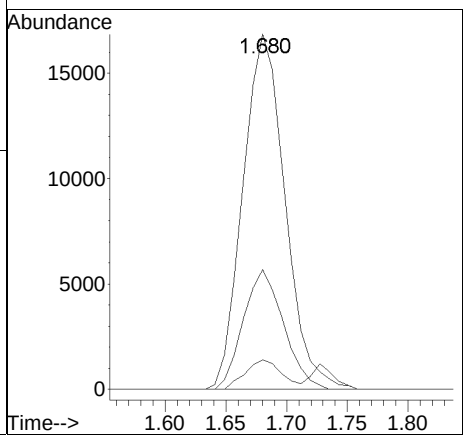


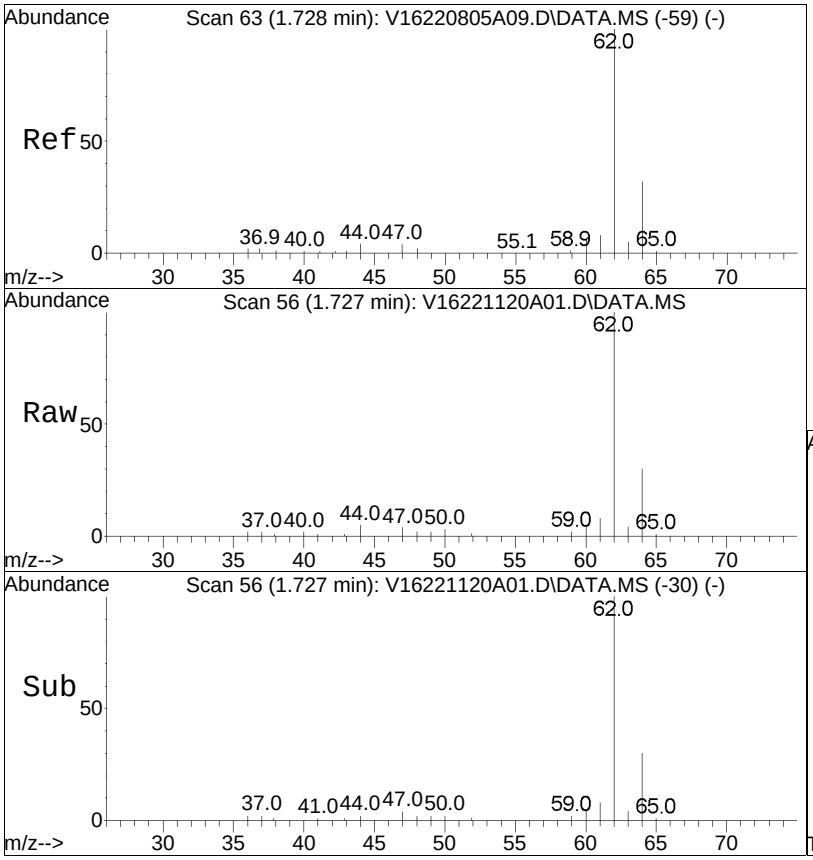


#3
Chloromethane
Concen: 8.98 ug/L
RT: 1.680 min Scan# 50
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 50 Resp: 40656

Ion	Ratio	Lower	Upper
50	100		
52	32.1	14.7	54.7
47	7.3	0.0	28.9

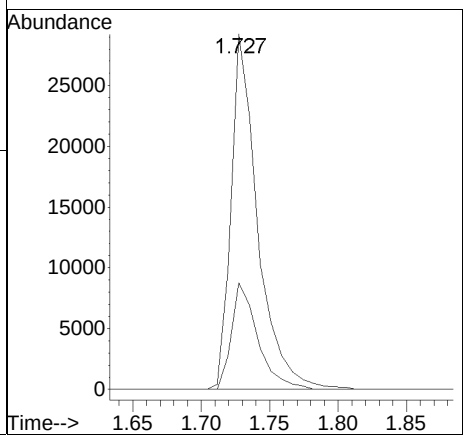


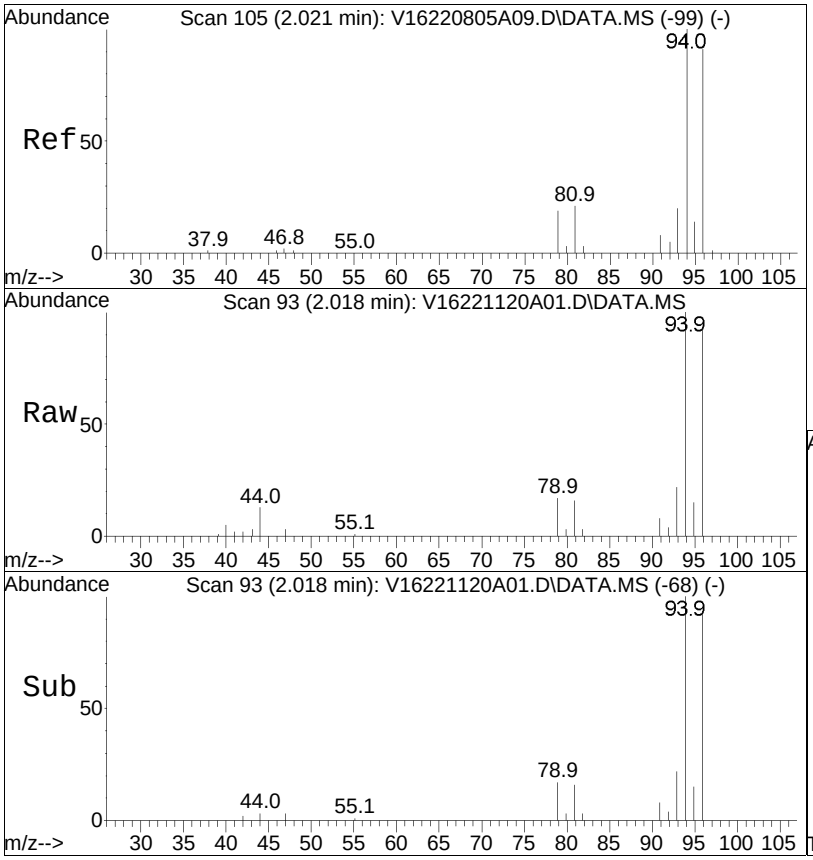


#4
Vinyl chloride
Concen: 9.38 ug/L
RT: 1.727 min Scan# 56
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 62 Resp: 39531

Ion	Ratio	Lower	Upper
62	100		
64	29.7	12.7	52.7

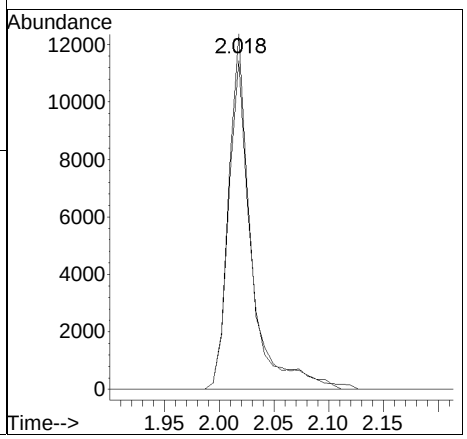


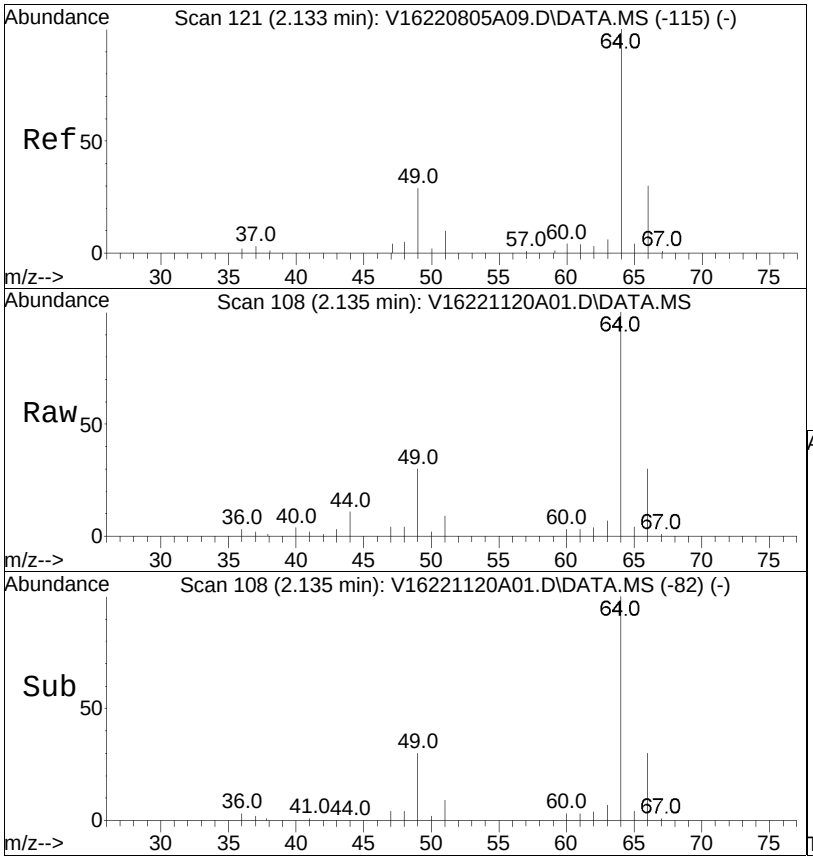


#5
Bromomethane
Concen: 6.69 ug/L
RT: 2.018 min Scan# 93
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 94 Resp: 17867

Ion	Ratio	Lower	Upper
94	100		
96	94.1	76.8	116.8

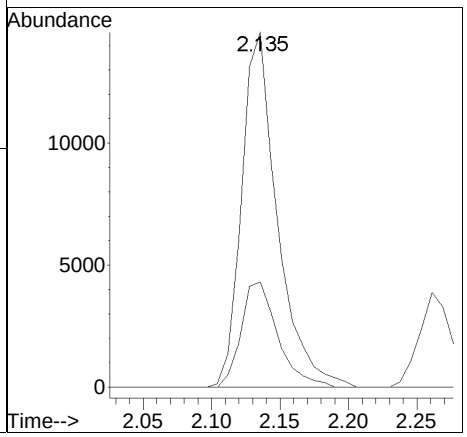


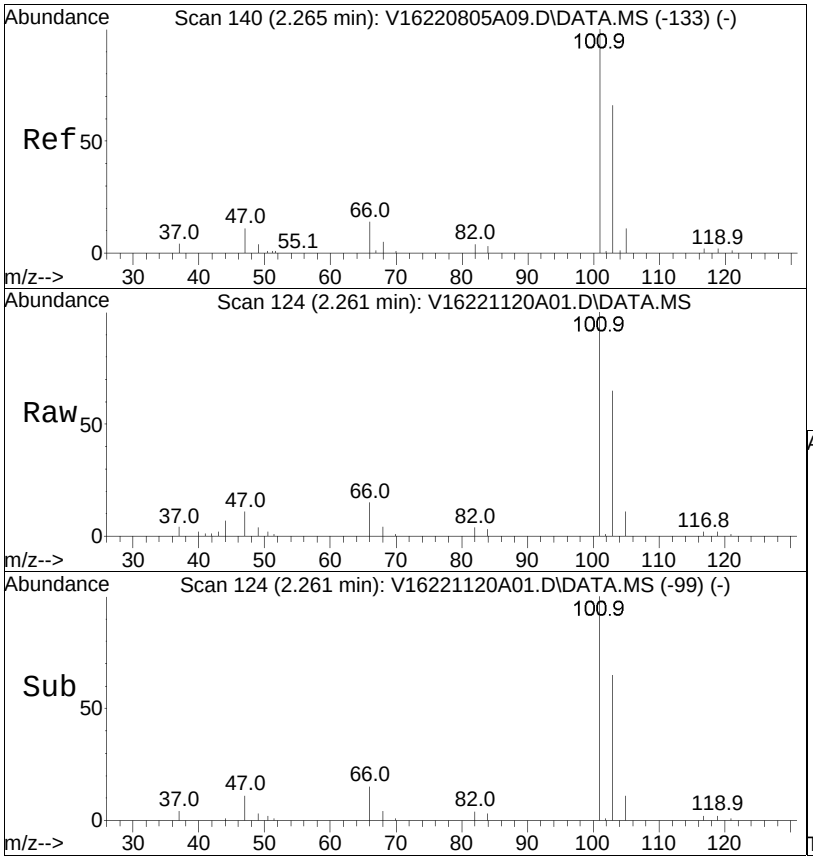


#6
Chloroethane
Concen: 10.05 ug/L
RT: 2.135 min Scan# 108
Delta R.T. 0.007 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 64 Resp: 26396

Ion	Ratio	Lower	Upper
64	100		
66	30.7	12.8	52.8

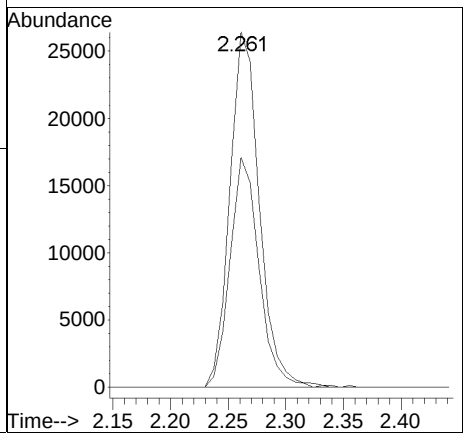


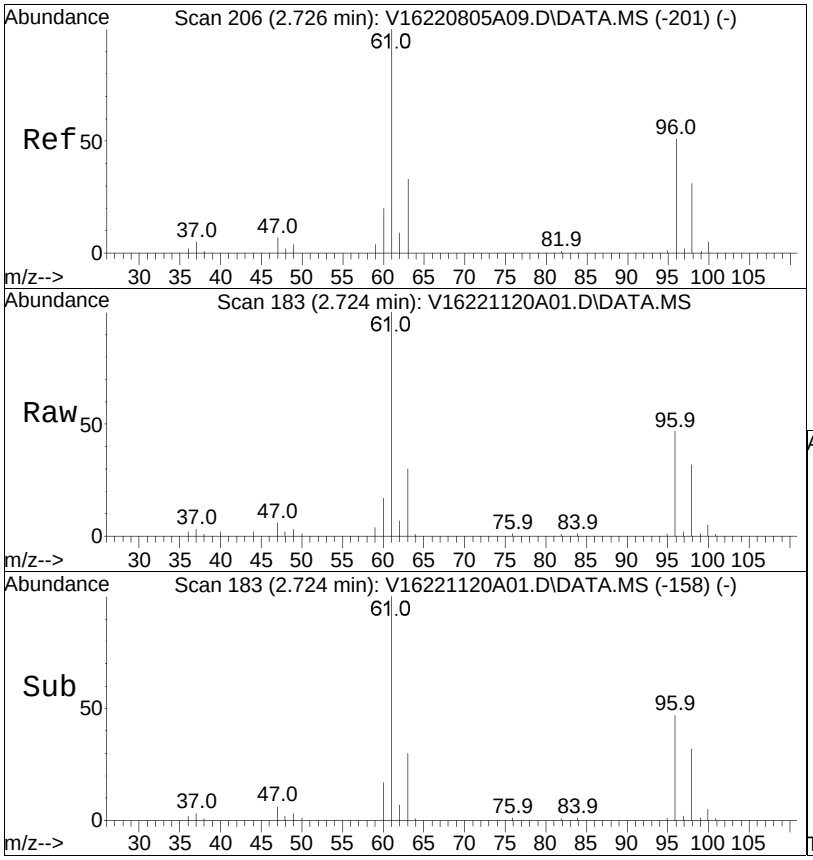


#7
Trichlorofluoromethane
Concen: 9.82 ug/L
RT: 2.261 min Scan# 124
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:101 Resp: 47246

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.0	76.4

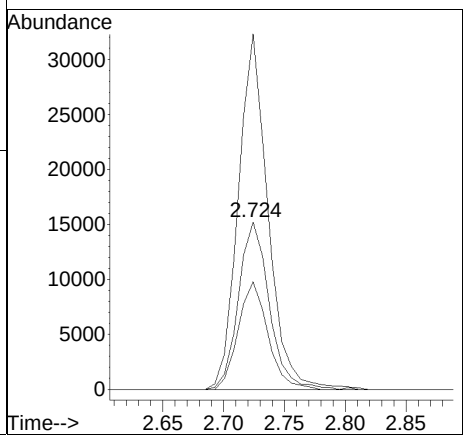


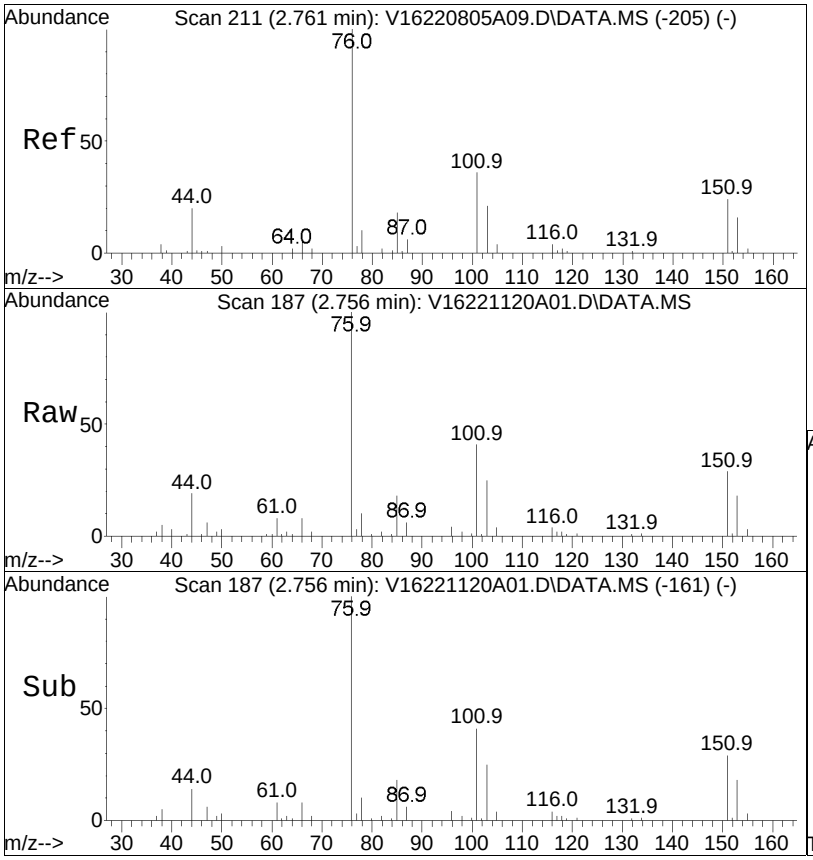


#10
1,1-Dichloroethene
Concen: 9.19 ug/L
RT: 2.724 min Scan# 183
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 96 Resp: 26833

Ion	Ratio	Lower	Upper
96	100		
61	204.4	144.3	216.5
63	62.0	47.9	71.9

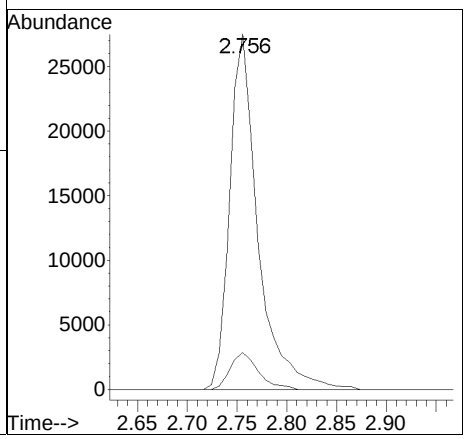


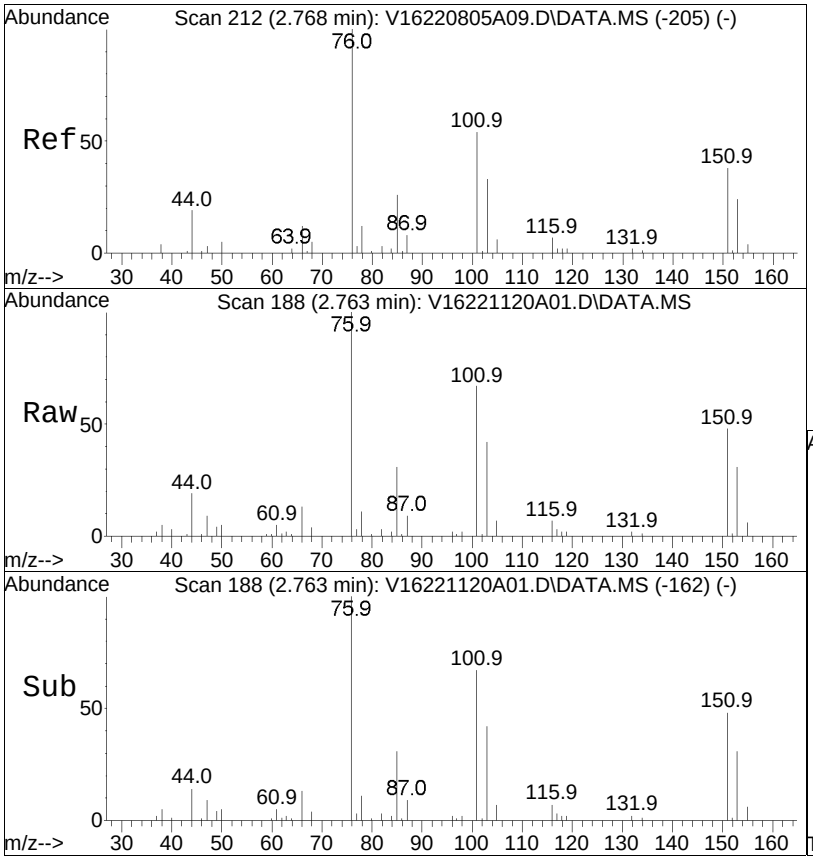


#11
Carbon disulfide
Concen: 9.53 ug/L
RT: 2.756 min Scan# 187
Delta R.T. 0.001 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 76 Resp: 54284

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.0	14.4

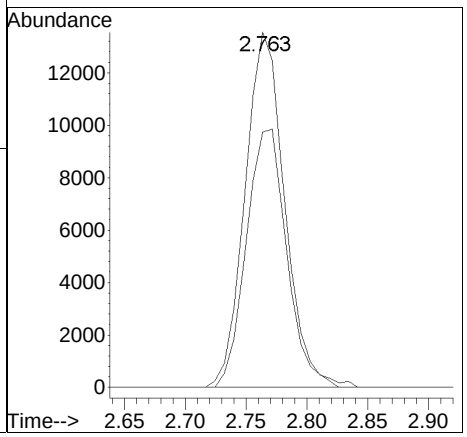


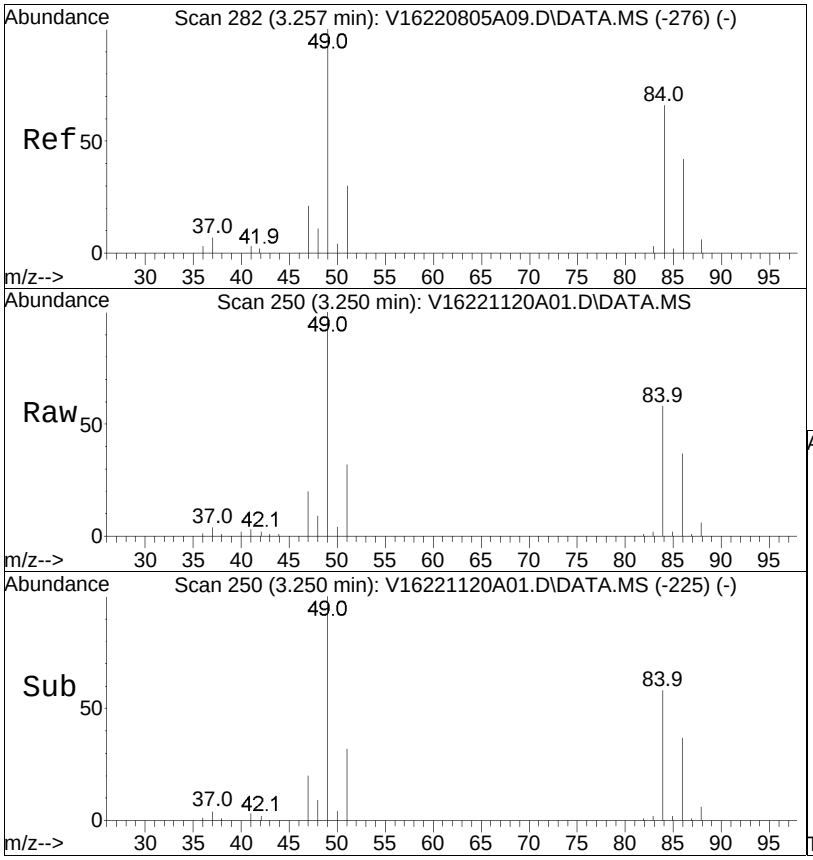


#12
Freon-113
Concen: 9.36 ug/L
RT: 2.763 min Scan# 188
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:101 Resp: 30742

Ion	Ratio	Lower	Upper
101	100		
151	74.0	65.2	97.8

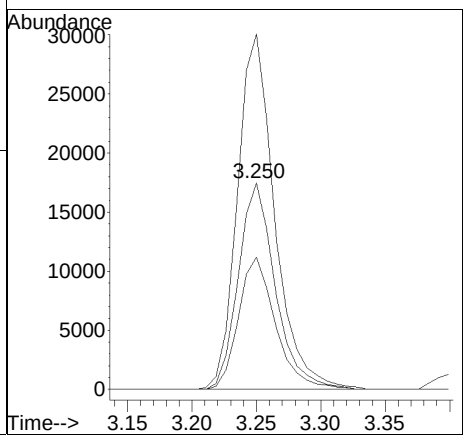


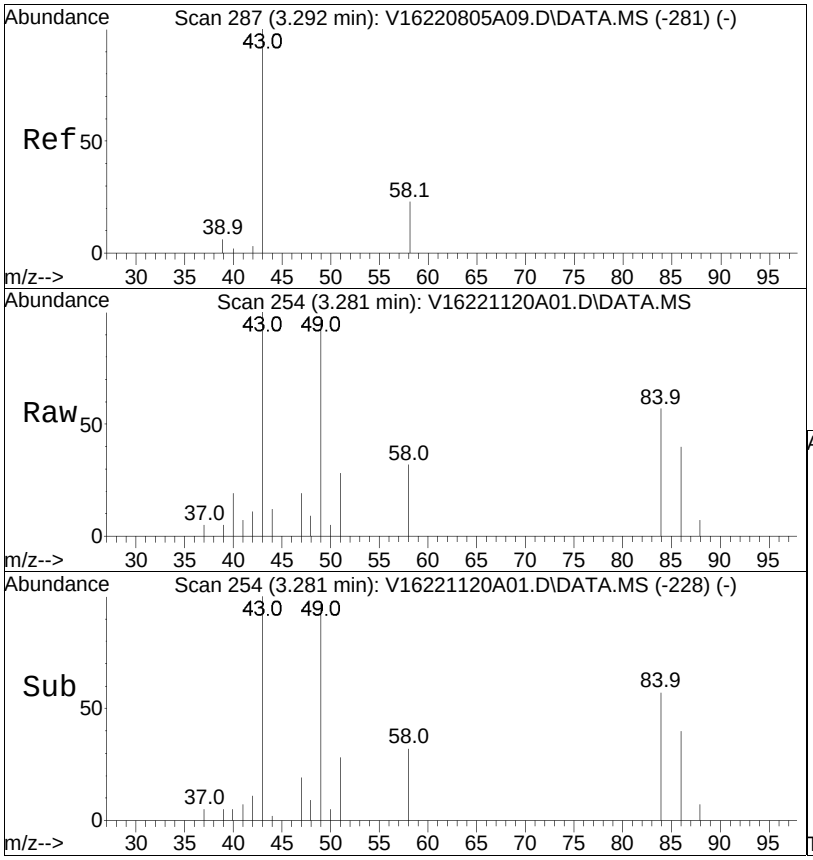


#15
Methylene chloride
Concen: 10.32 ug/L
RT: 3.250 min Scan# 250
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 84 Resp: 34879

Ion	Ratio	Lower	Upper
84	100		
86	64.3	41.0	85.0
49	173.2	78.5	163.1#

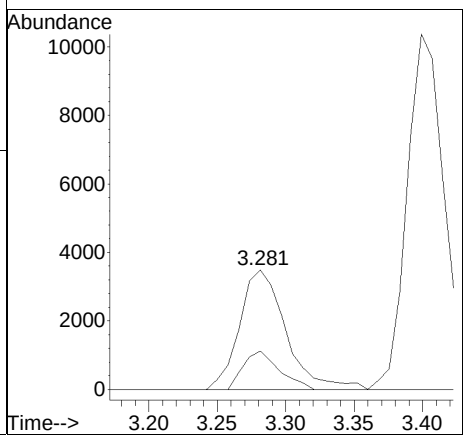


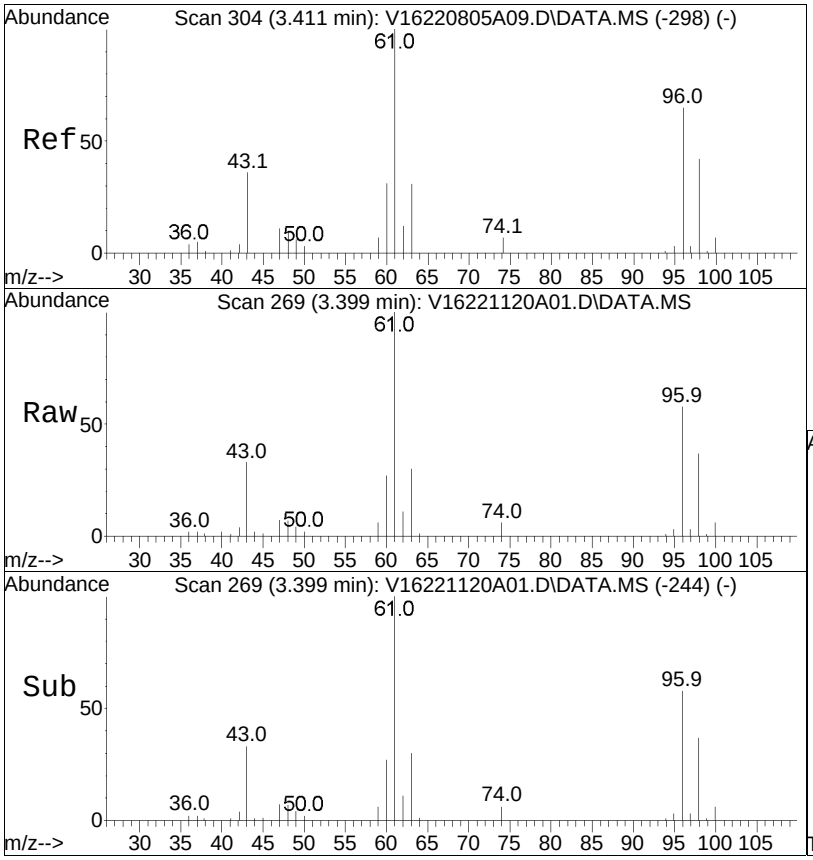


#17
Acetone
Concen: 8.58 ug/L
RT: 3.281 min Scan# 254
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 43 Resp: 8207

Ion	Ratio	Lower	Upper
43	100		
58	25.0	21.1	31.7

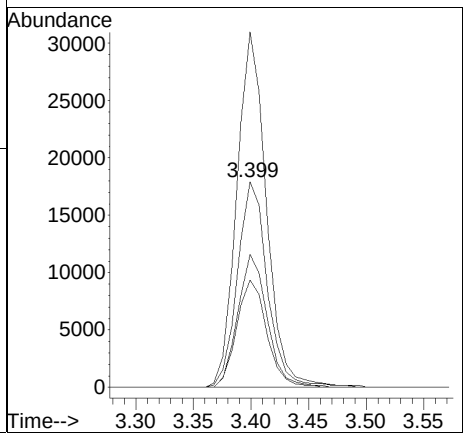


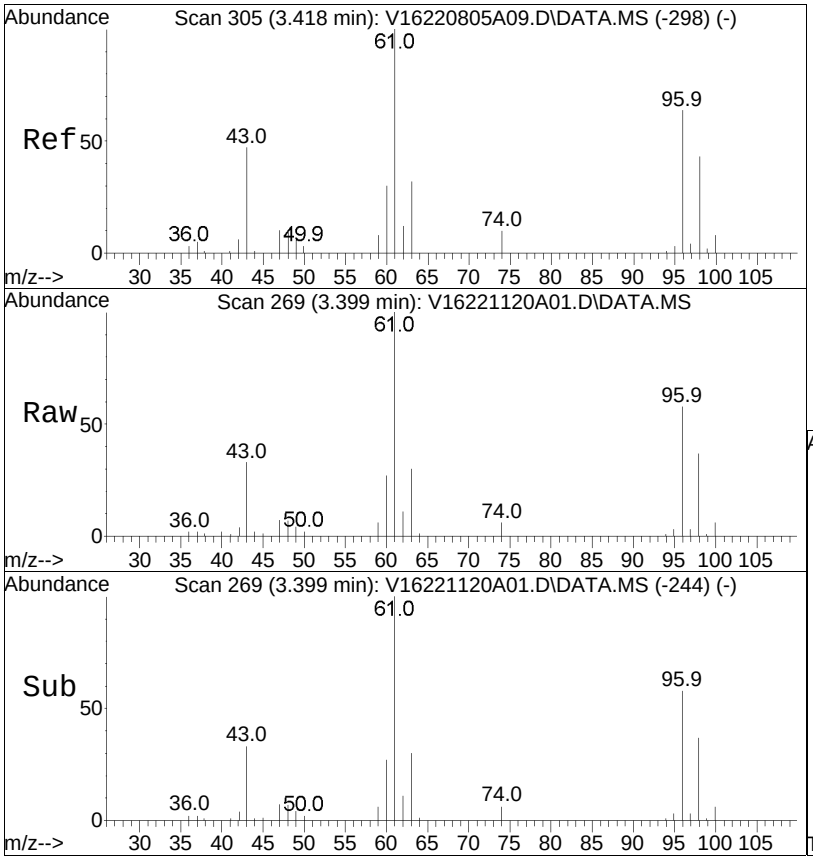


#18
trans-1,2-Dichloroethene
Concen: 10.00 ug/L
RT: 3.399 min Scan# 269
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 96 Resp: 32579

Ion	Ratio	Lower	Upper
96	100		
61	170.2	92.6	192.4
98	63.3	41.1	85.5
63	52.2	28.6	59.4

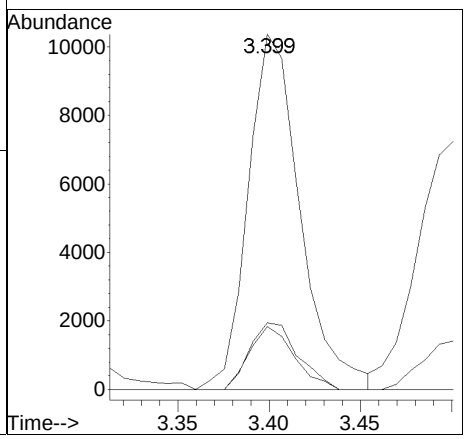


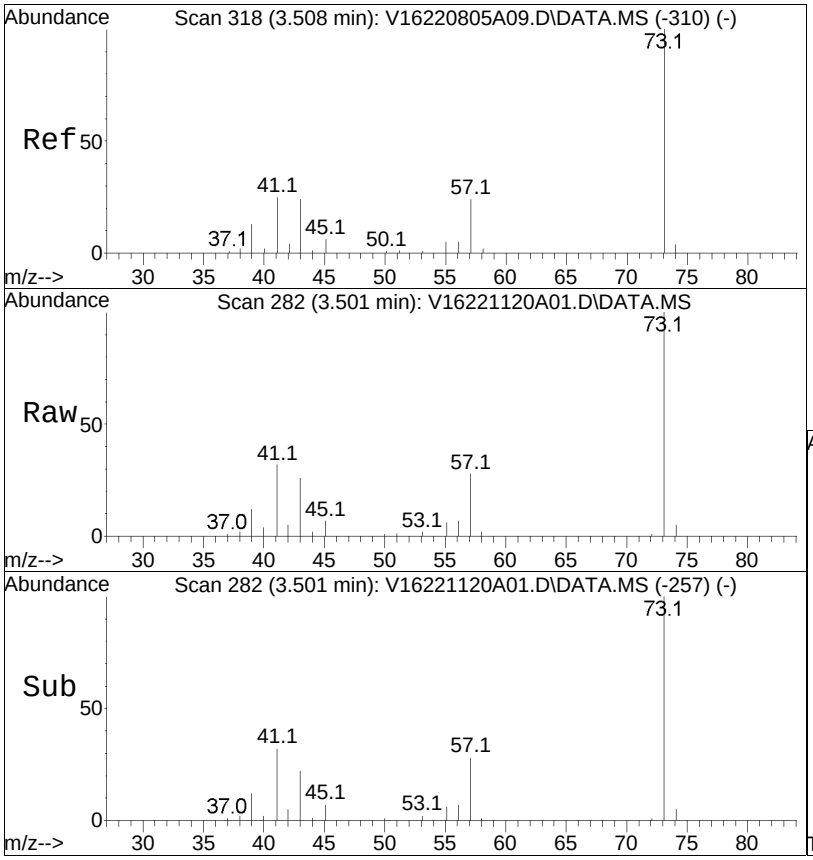


#19
Methyl acetate
Concen: 9.89 ug/L
RT: 3.399 min Scan# 269
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 43 Resp: 20550

Ion	Ratio	Lower	Upper
43	100		
74	17.5	19.7	29.5#
59	15.3	19.7	29.5#

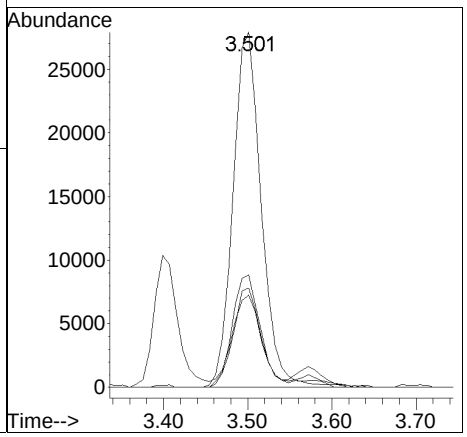


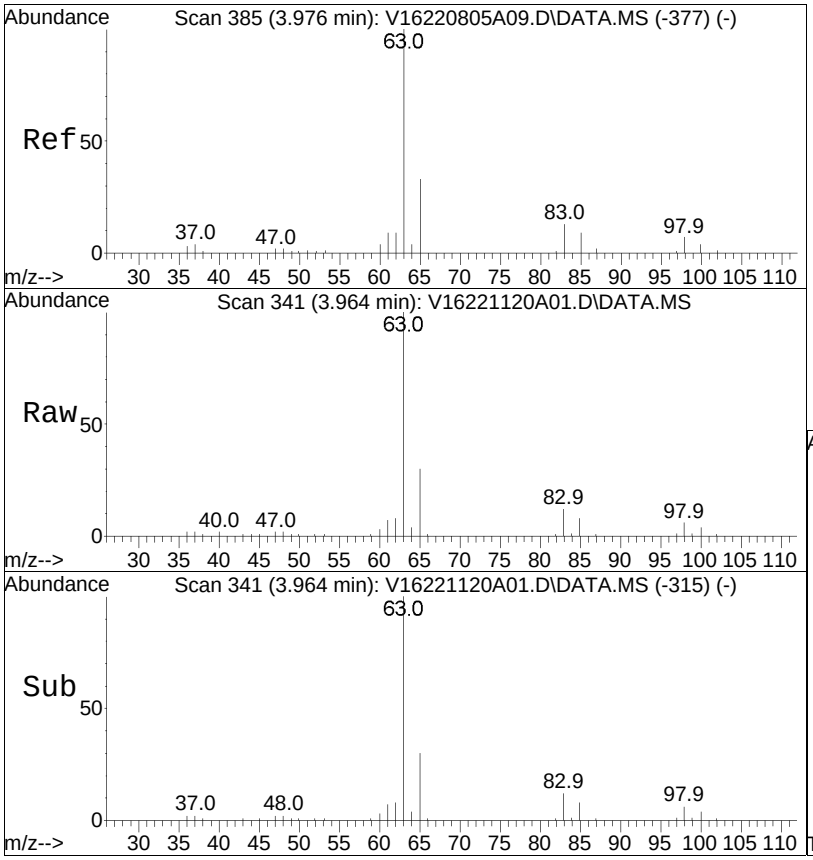


#21
Methyl tert-butyl ether
Concen: 9.06 ug/L
RT: 3.501 min Scan# 282
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 73 Resp: 65319

Ion	Ratio	Lower	Upper
73	100		
57	27.4	12.2	25.2#
43	27.3	15.1	31.5
41	31.1	12.0	24.8#

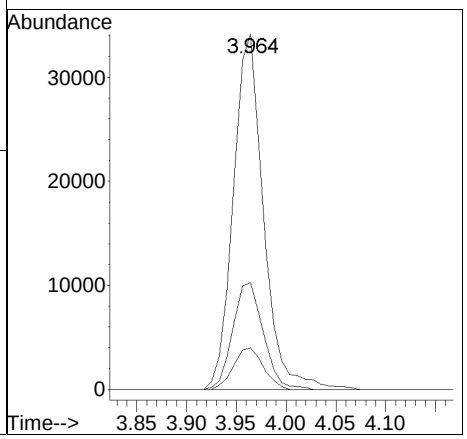


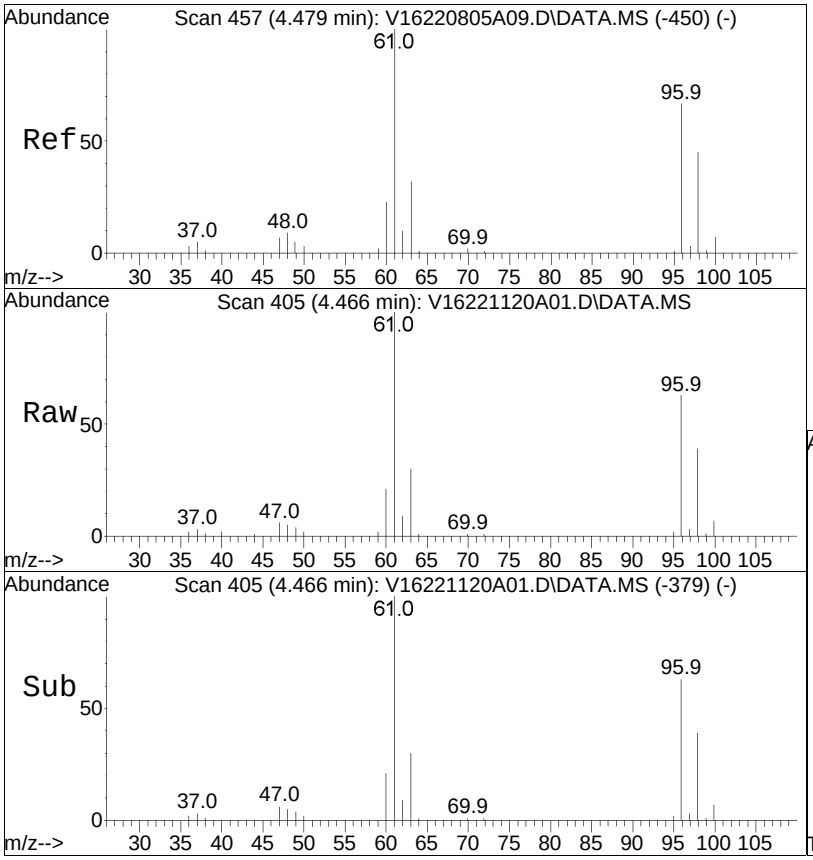


#25
1,1-Dichloroethane
Concen: 10.23 ug/L
RT: 3.964 min Scan# 341
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 63 Resp: 72051

Ion	Ratio	Lower	Upper
63	100		
65	30.4	10.3	50.3
83	11.6	0.0	34.4

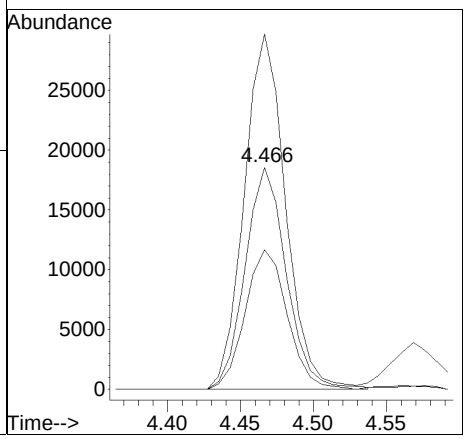


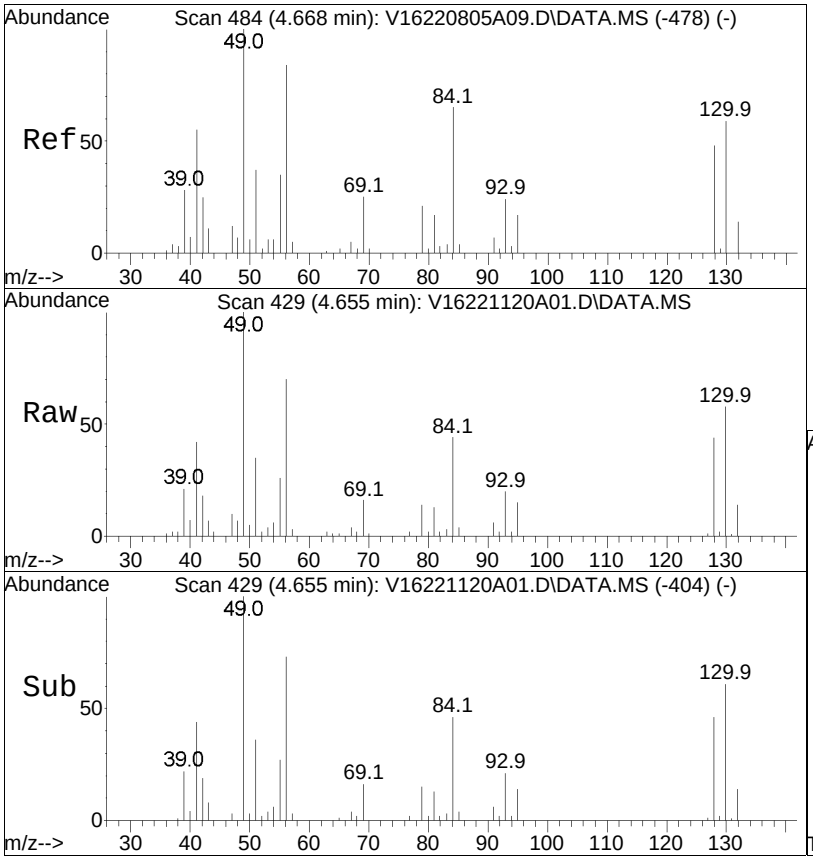


#30
cis-1,2-Dichloroethene
Concen: 10.05 ug/L
RT: 4.466 min Scan# 405
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 96 Resp: 36446

Ion	Ratio	Lower	Upper
96	100		
61	160.2	104.2	156.4#
98	64.3	51.4	77.0

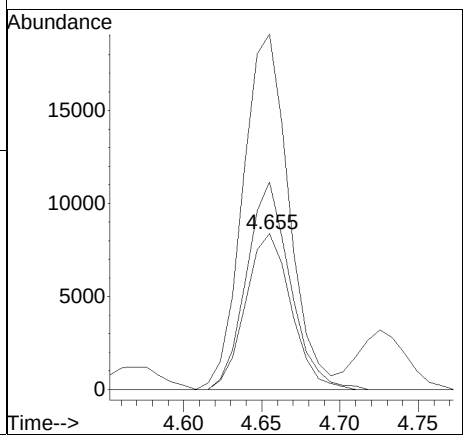


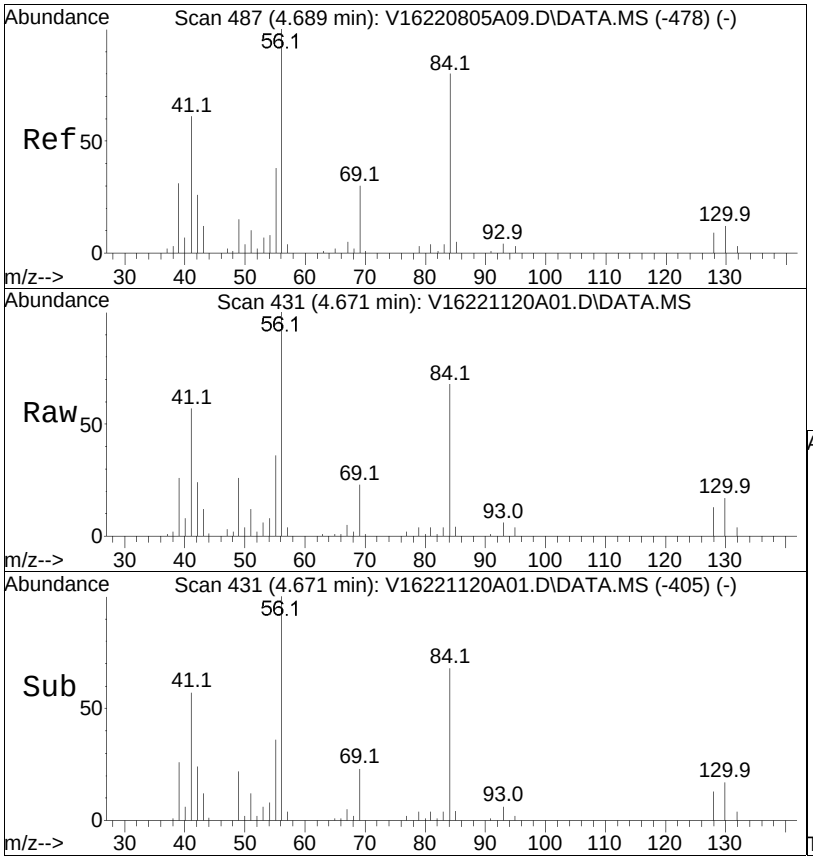


#33
Bromochloromethane
Concen: 11.24 ug/L
RT: 4.655 min Scan# 429
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:128 Resp: 16902

Ion	Ratio	Lower	Upper
128	100		
49	231.0	119.4	179.0#
130	127.9	100.3	150.5

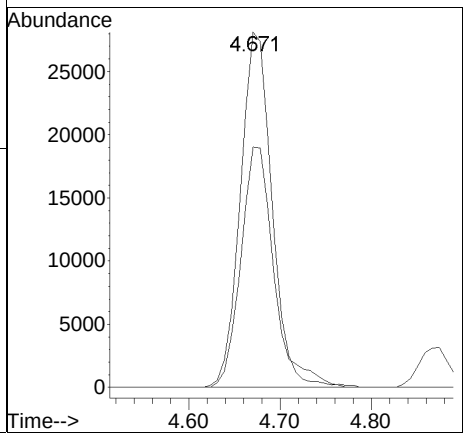


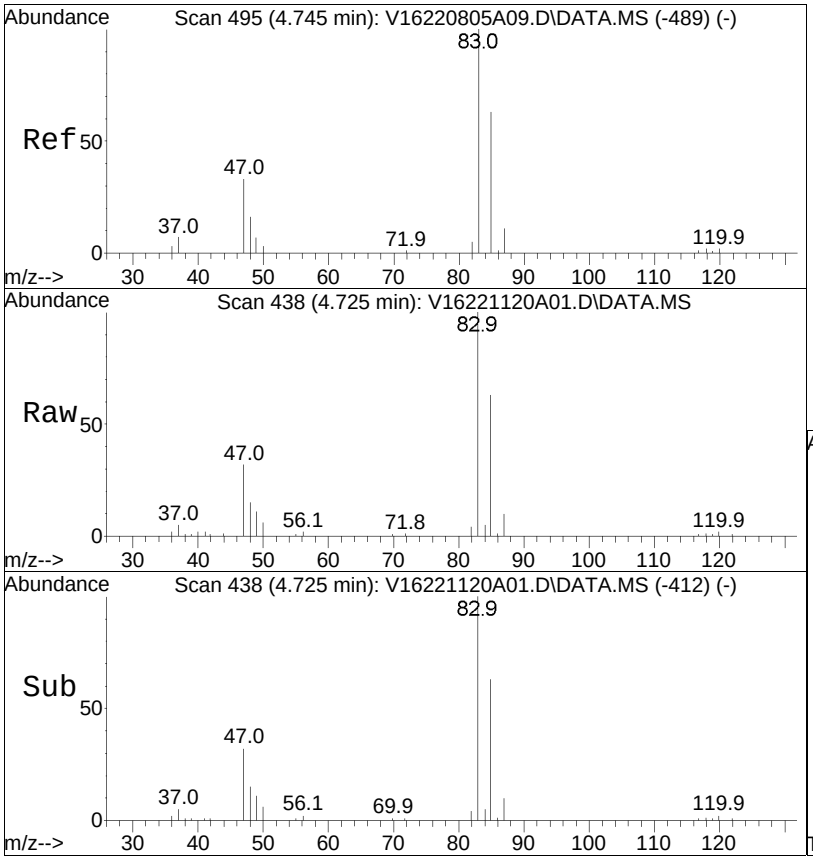


#34
Cyclohexane
Concen: 8.52 ug/L
RT: 4.671 min Scan# 431
Delta R.T. 0.001 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 56 Resp: 67724

Ion	Ratio	Lower	Upper
56	100		
84	71.5	67.0	139.2

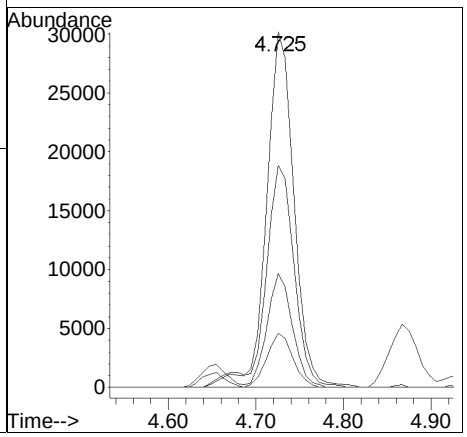


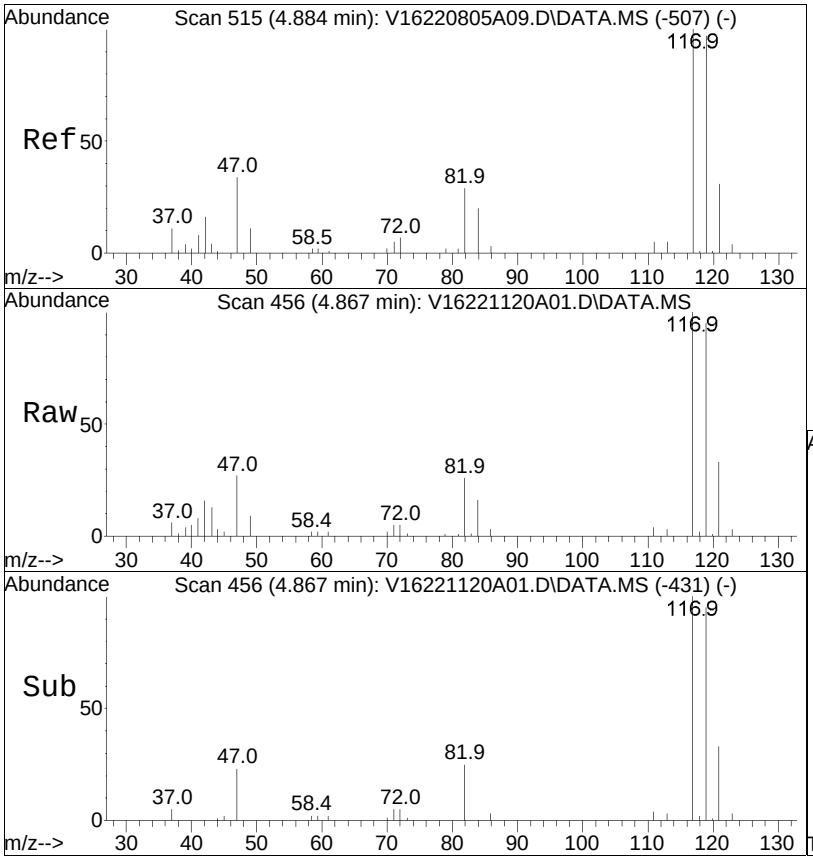


#35
Chloroform
Concen: 10.43 ug/L
RT: 4.725 min Scan# 438
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 83 Resp: 66128

Ion	Ratio	Lower	Upper
83	100		
85	65.6	41.2	85.6
47	29.7	15.1	31.3
48	14.4	7.2	14.9

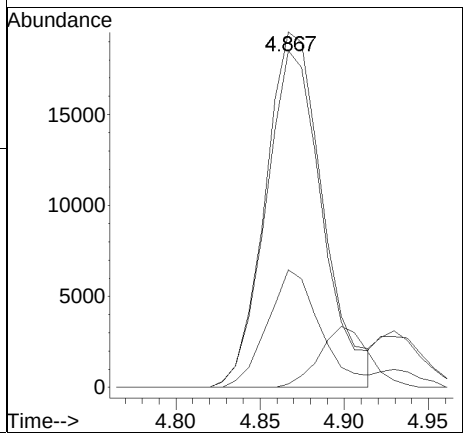


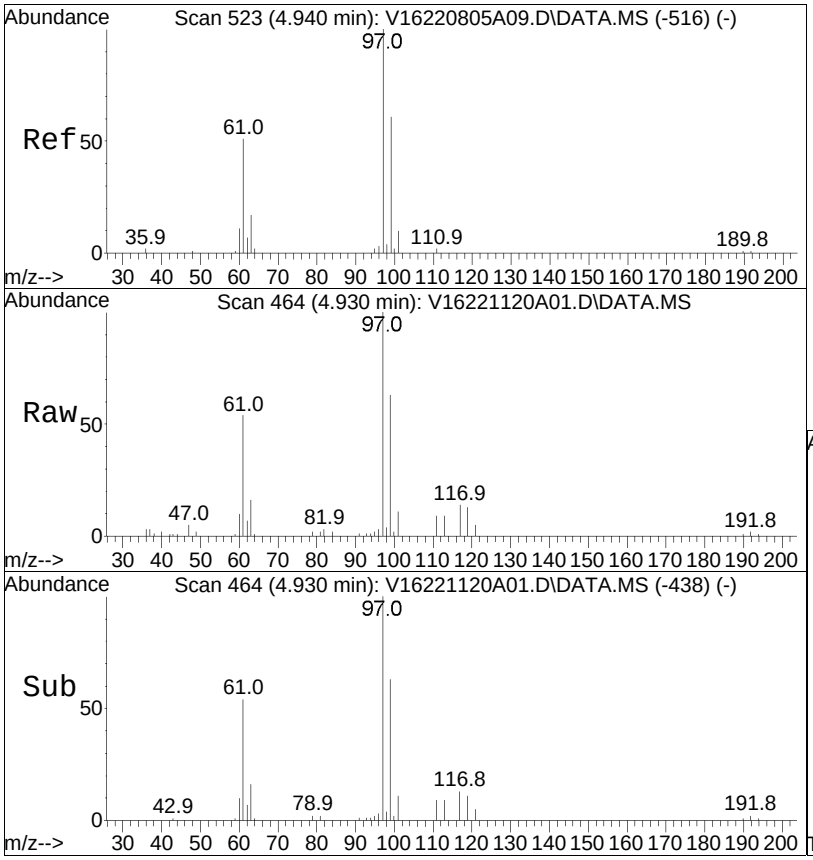


#37
Carbon tetrachloride
Concen: 9.51 ug/L
RT: 4.867 min Scan# 456
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:117 Resp: 46477

Ion	Ratio	Lower	Upper
117	100		
119	92.9	62.1	128.9
121	30.5	20.1	41.7
81	0.0	0.0	0.0

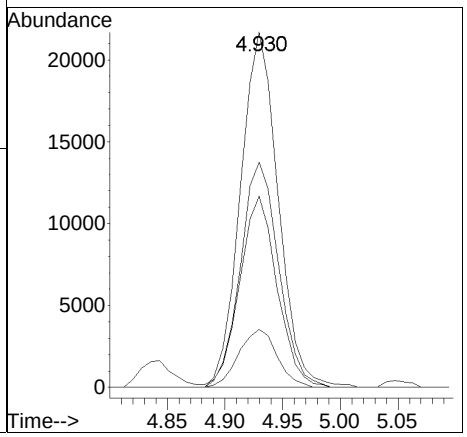


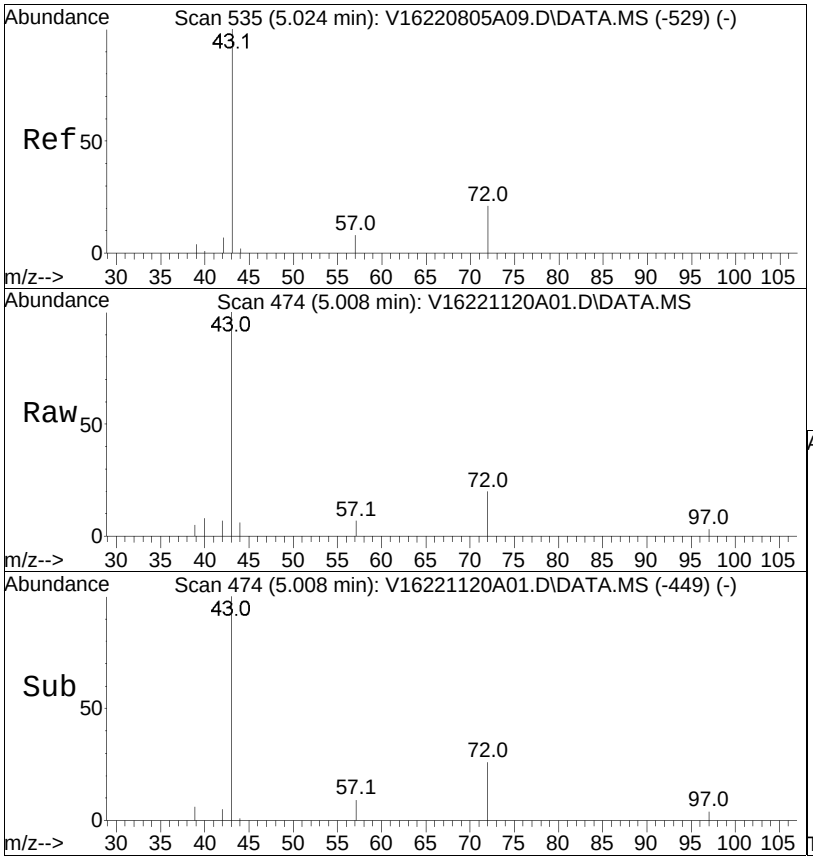


#40
1,1,1-Trichloroethane
Concen: 9.43 ug/L
RT: 4.930 min Scan# 464
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 97 Resp: 49564

Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.8	89.0
61	53.5	26.4	54.8
63	16.6	8.4	17.4

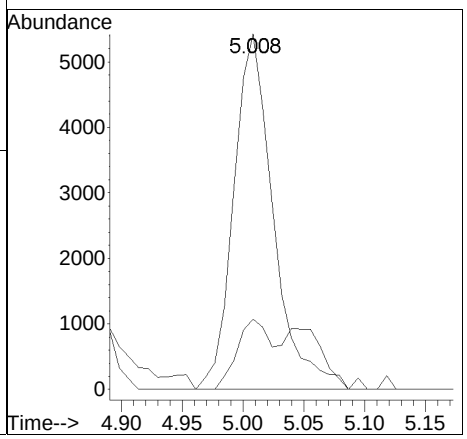


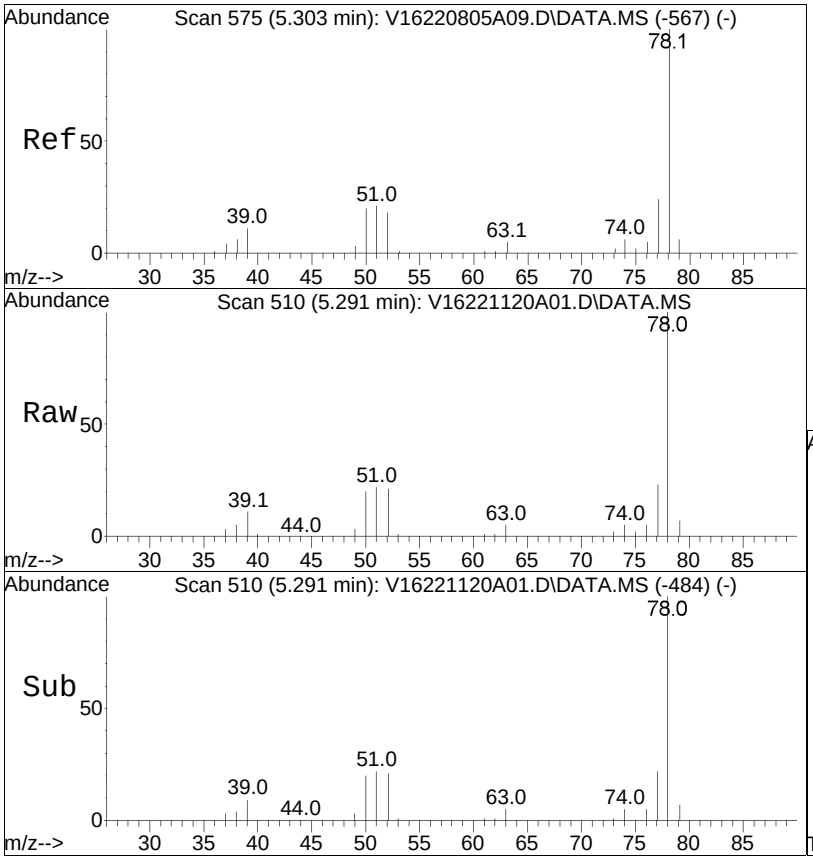


#42
2-Butanone
Concen: 8.90 ug/L
RT: 5.008 min Scan# 474
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 43 Resp: 12400

Ion	Ratio	Lower	Upper
43	100		
72	16.1	51.0	76.4#

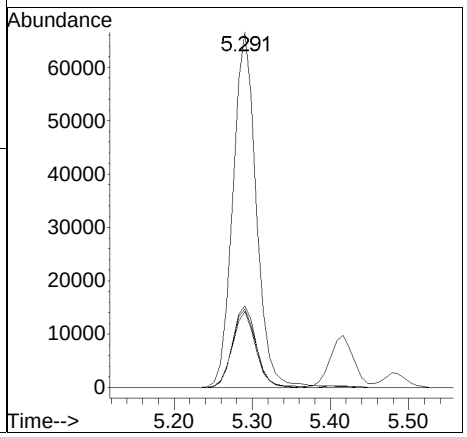


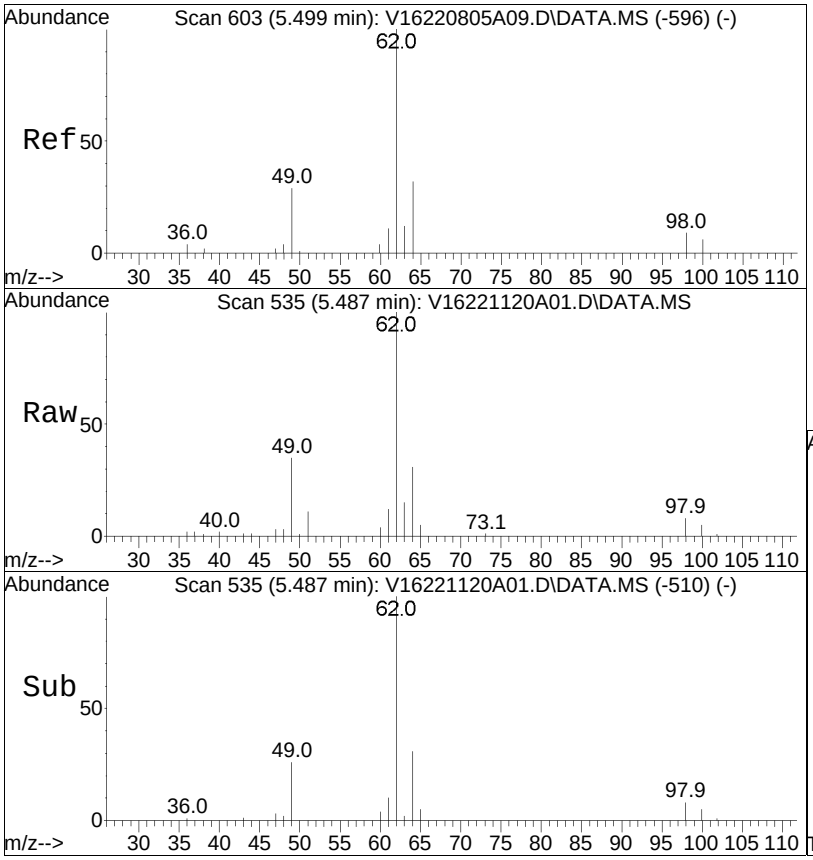


#45
Benzene
Concen: 10.29 ug/L
RT: 5.291 min Scan# 510
Delta R.T. 0.001 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 78 Resp: 138455

Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.0	31.2
51	22.2	11.8	24.4
52	21.1	10.1	20.9#

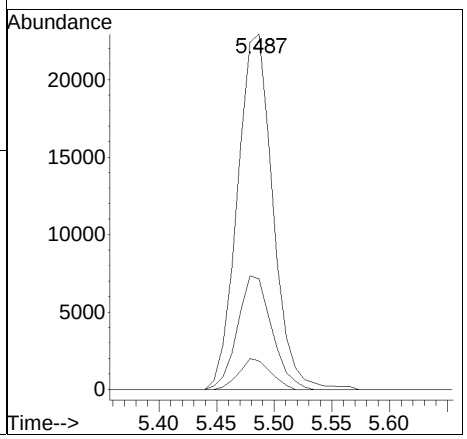


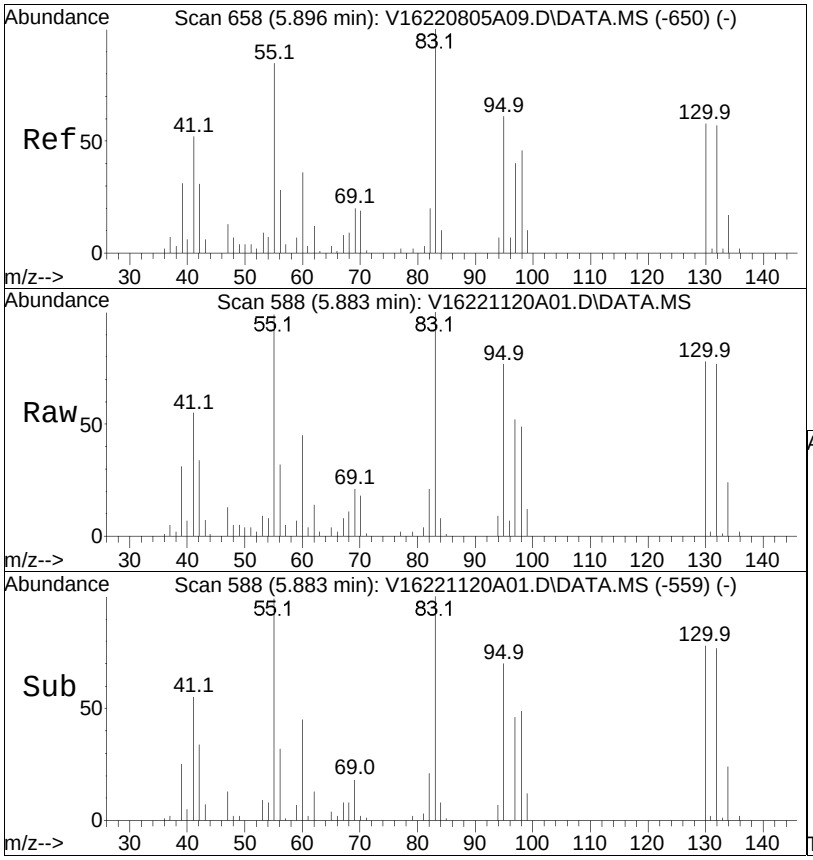


#48
1,2-Dichloroethane
Concen: 9.94 ug/L
RT: 5.487 min Scan# 535
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 62 Resp: 48996

Ion	Ratio	Lower	Upper
62	100		
64	31.0	14.7	54.7
98	7.7	0.0	27.5

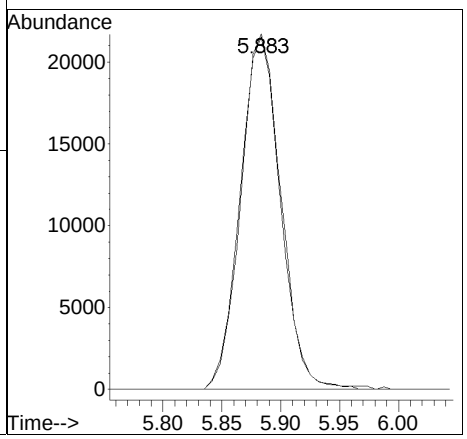


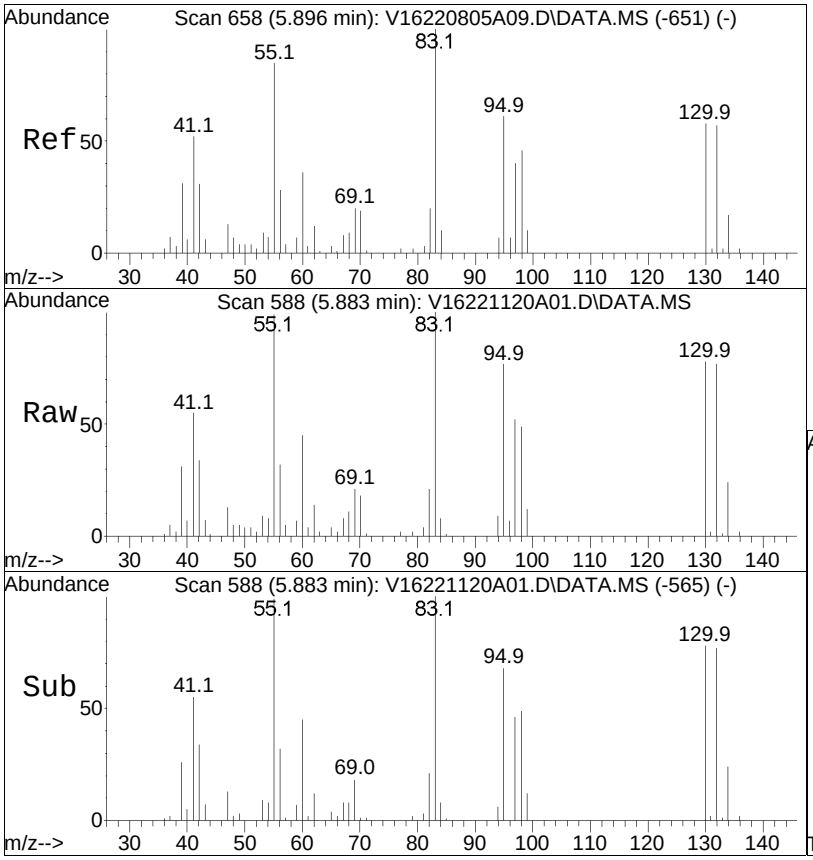


#51
Methyl cyclohexane
Concen: 7.85 ug/L
RT: 5.883 min Scan# 588
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 83 Resp: 51337

Ion	Ratio	Lower	Upper
83	100		
55	100.1	60.9	91.3#

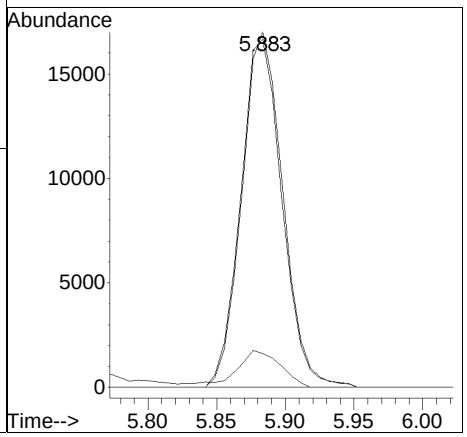


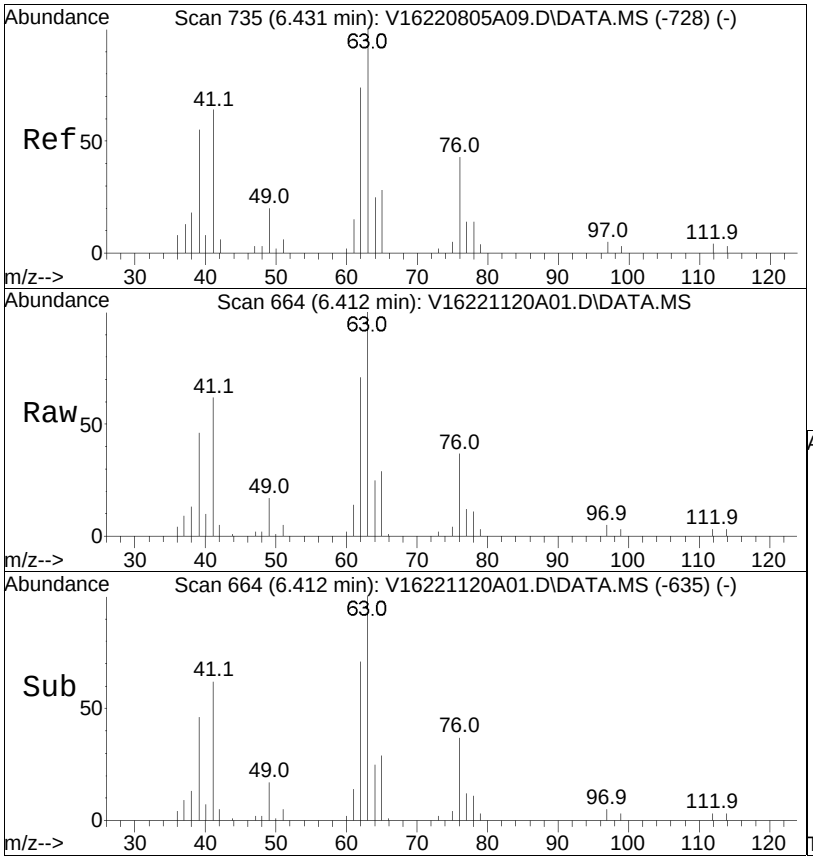


#52
Trichloroethene
Concen: 9.48 ug/L
RT: 5.883 min Scan# 588
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 95 Resp: 34920

Ion	Ratio	Lower	Upper
95	100		
96	11.4	10.2	15.4
130	101.0	78.3	117.5

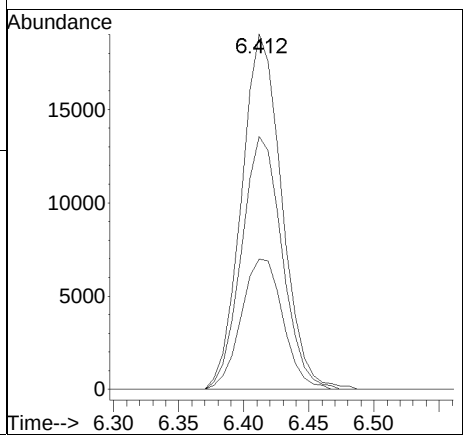


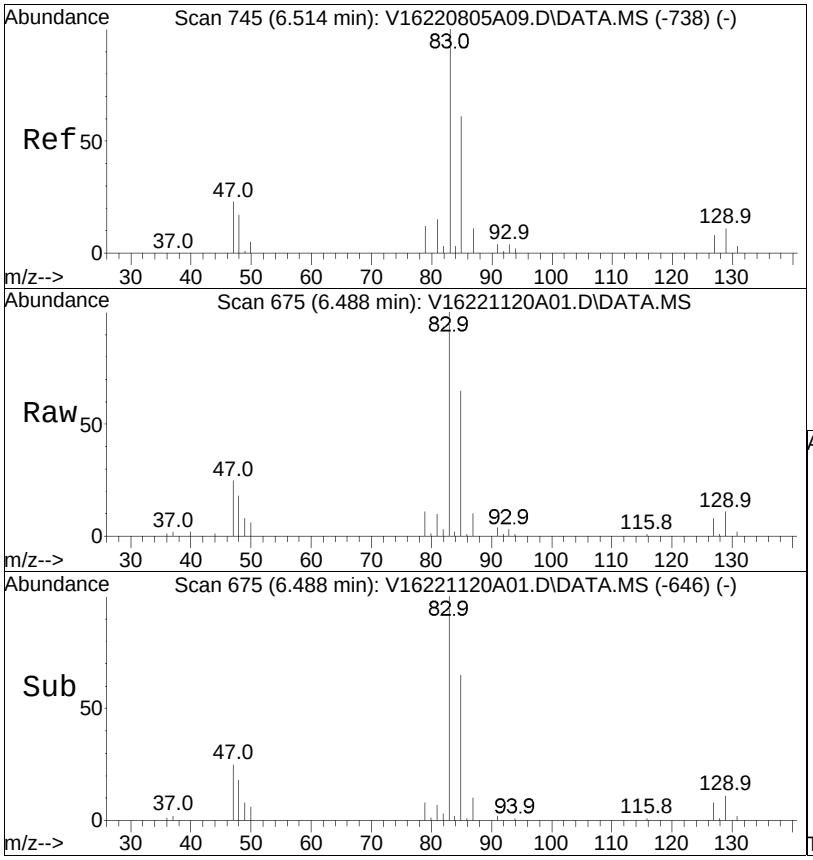


#55
1,2-Dichloropropane
Concen: 9.71 ug/L
RT: 6.412 min Scan# 664
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 63 Resp: 41091

Ion	Ratio	Lower	Upper
63	100		
62	71.6	56.6	85.0
76	38.0	51.2	76.8#

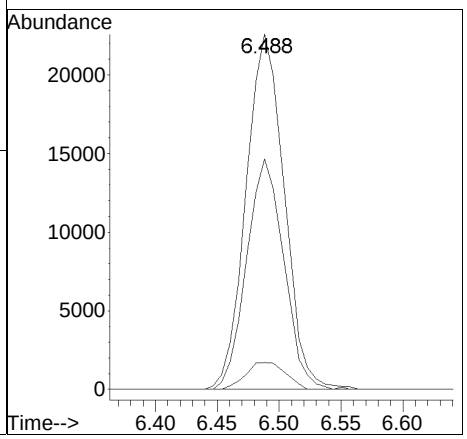


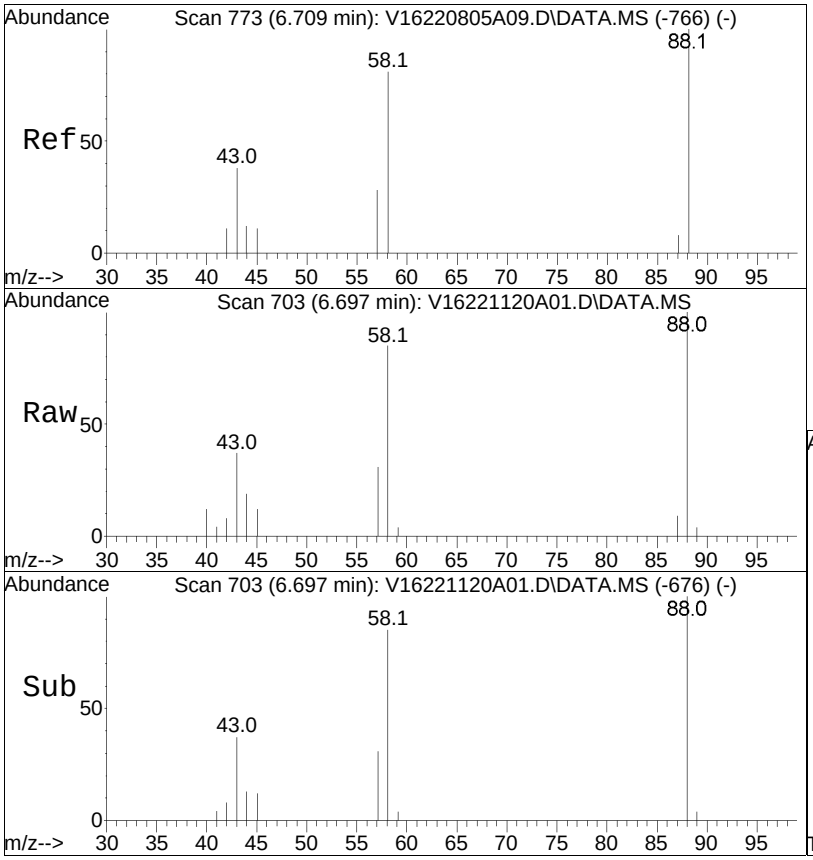


#58
Bromodichloromethane
Concen: 10.31 ug/L
RT: 6.488 min Scan# 675
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 83 Resp: 43268

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.7	77.5
127	8.4	6.6	10.0

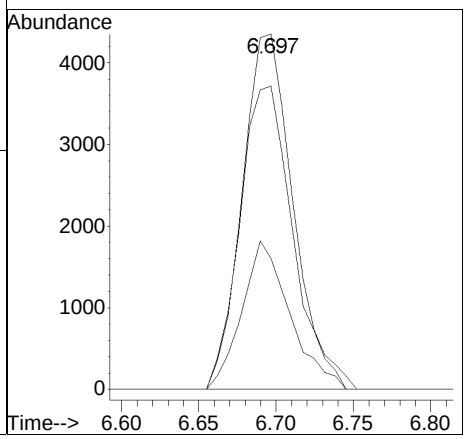


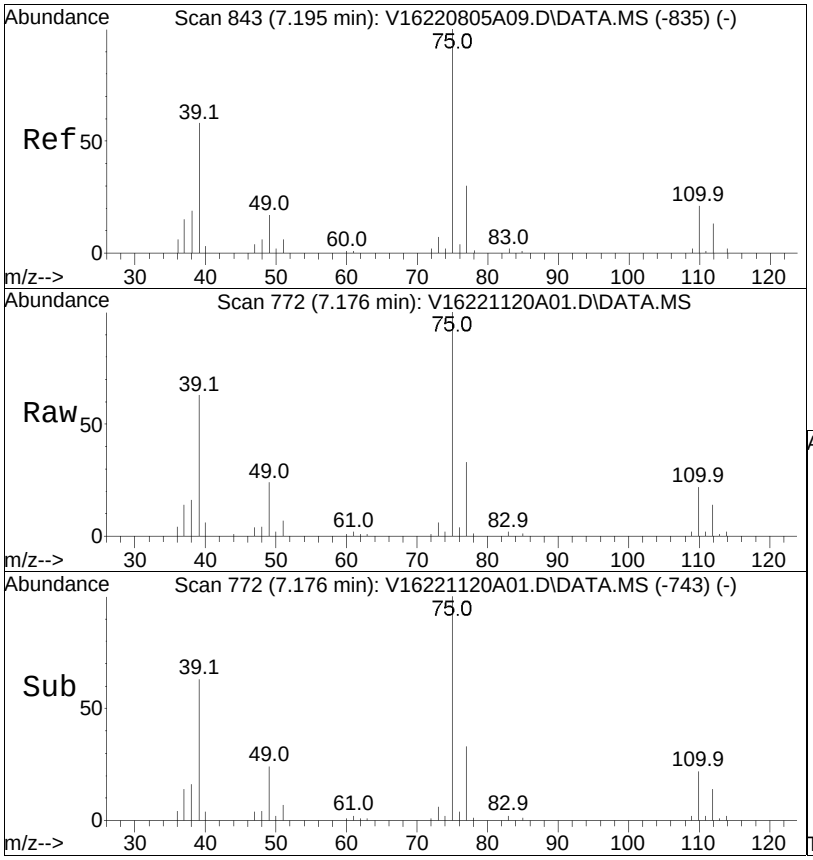


#61
1,4-Dioxane
Concen: 504.39 ug/L
RT: 6.697 min Scan# 703
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 88 Resp: 10010

Ion	Ratio	Lower	Upper
88	100		
58	87.8	53.8	80.6#
43	39.2	21.1	31.7#

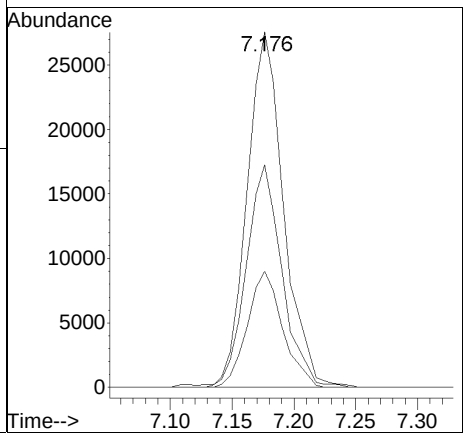


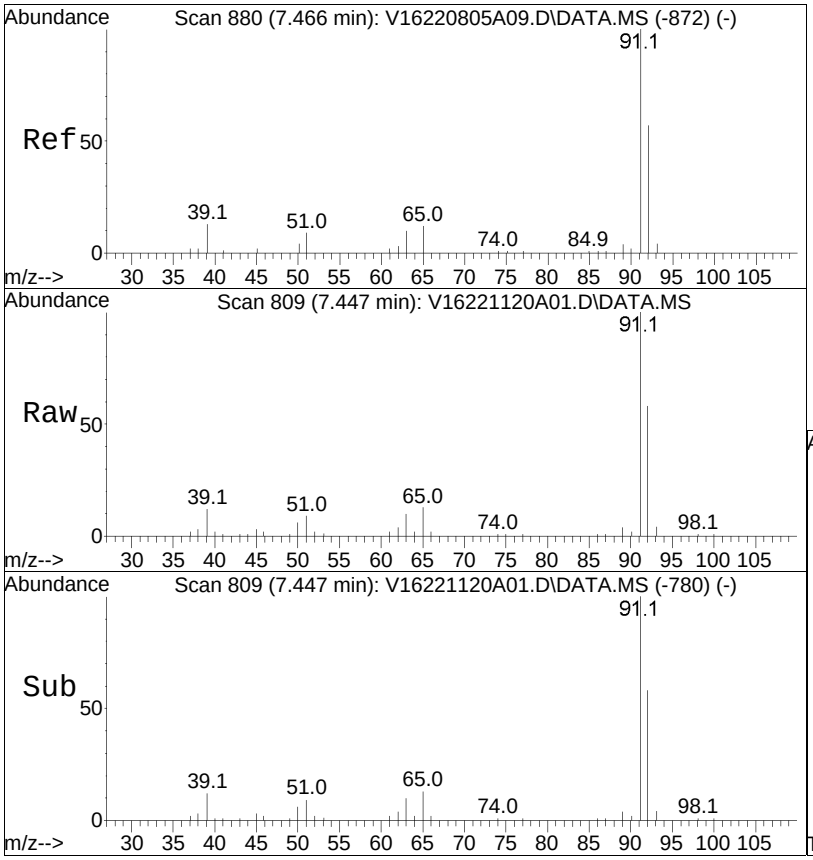


#62
cis-1,3-Dichloropropene
Concen: 9.66 ug/L
RT: 7.176 min Scan# 772
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 75 Resp: 58906

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.7	38.5
39	62.4	43.0	64.4

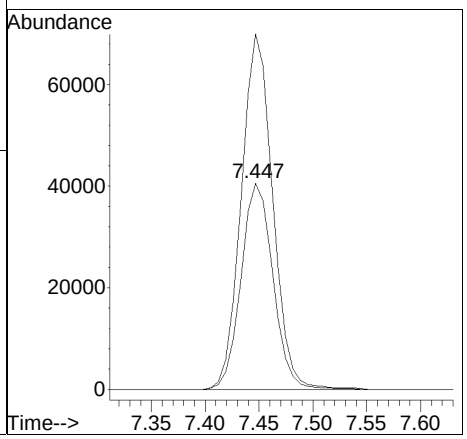


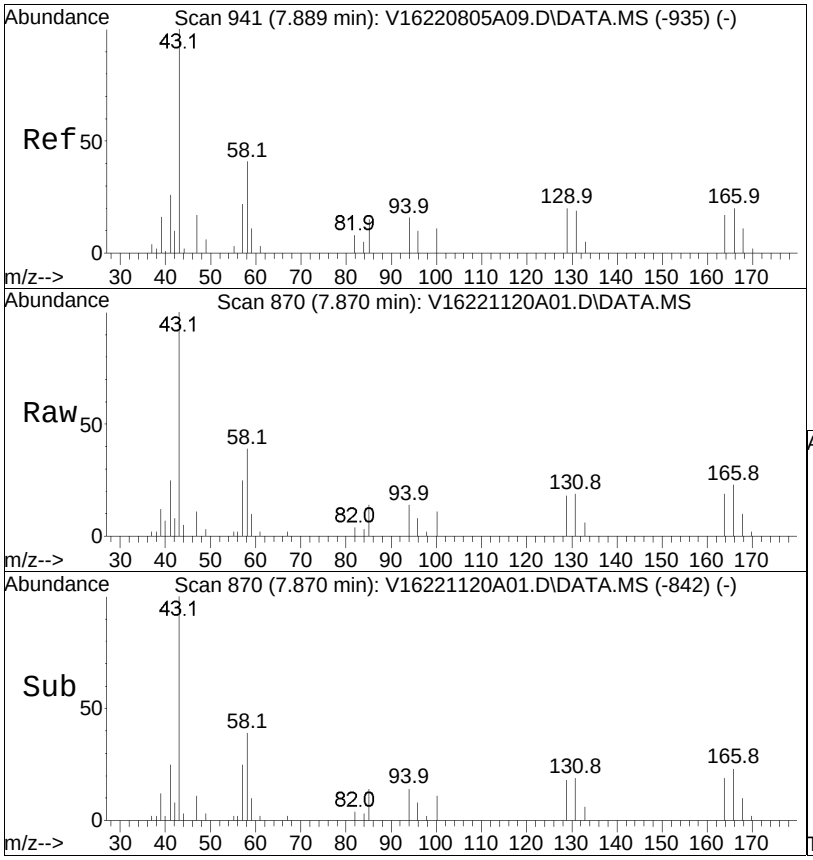


#65
Toluene
Concen: 9.68 ug/L
RT: 7.447 min Scan# 809
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 92 Resp: 83558

Ion	Ratio	Lower	Upper
92	100		
91	169.8	132.8	199.2

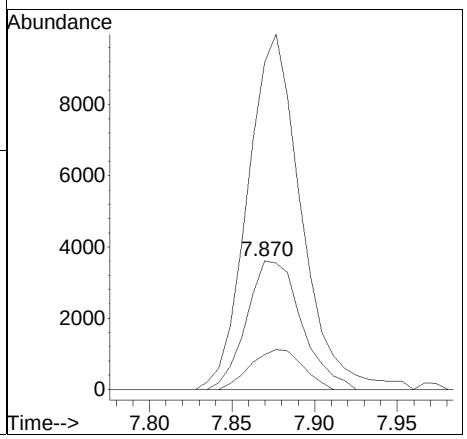


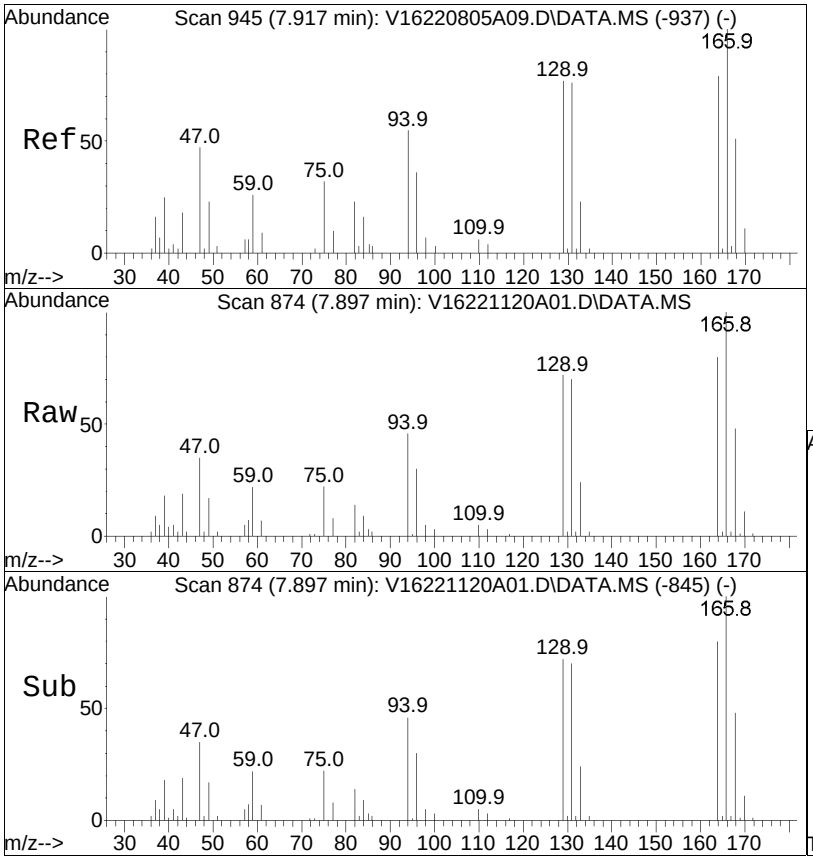


#66
4-Methyl-2-pentanone
Concen: 7.63 ug/L
RT: 7.870 min Scan# 870
Delta R.T. -0.007 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 58 Resp: 8325

Ion	Ratio	Lower	Upper
58	100		
100	29.5	38.6	57.8#
43	271.0	214.4	321.6

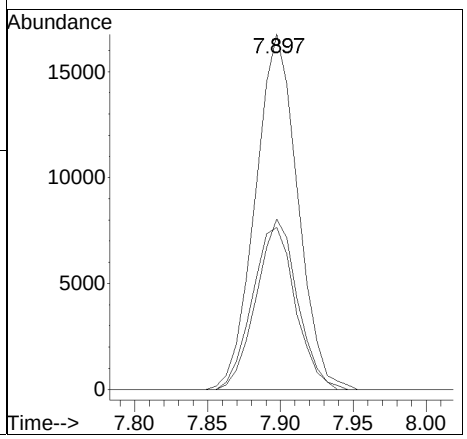


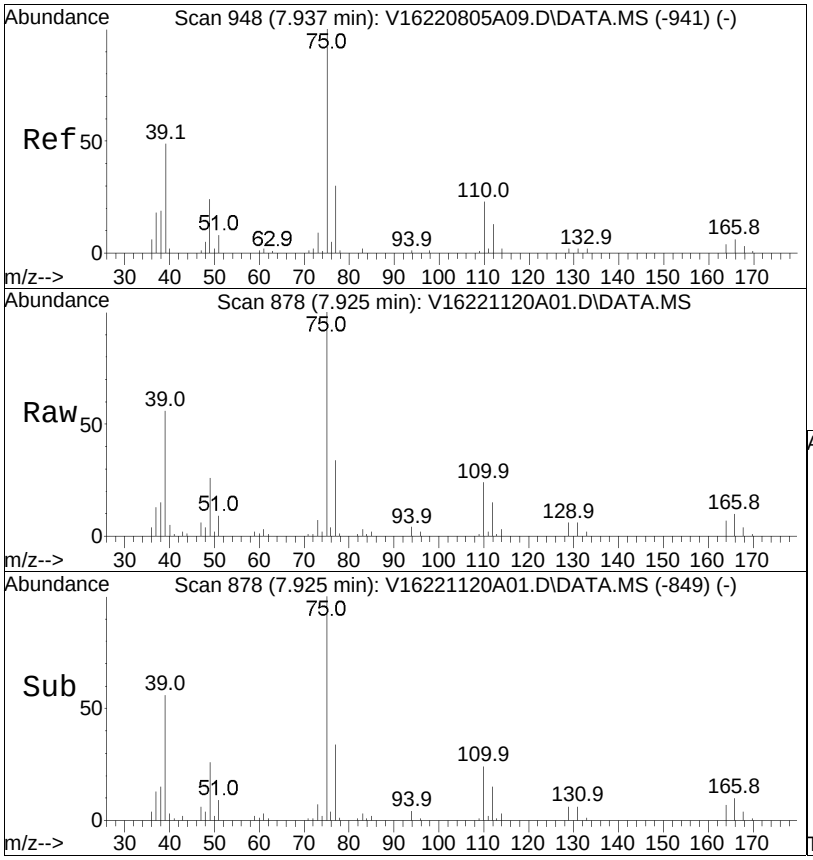


#67
Tetrachloroethene
Concen: 9.02 ug/L
RT: 7.897 min Scan# 874
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:166 Resp: 33921

Ion	Ratio	Lower	Upper
166	100		
168	46.5	26.7	66.7
94	46.6	33.3	73.3

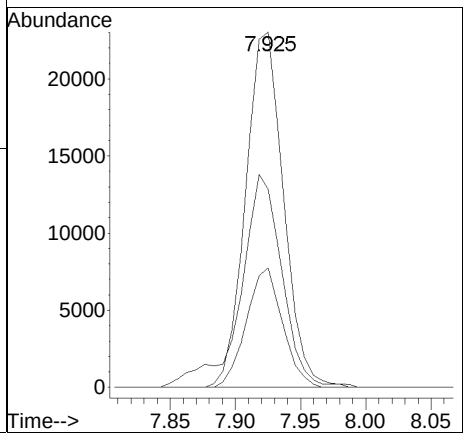


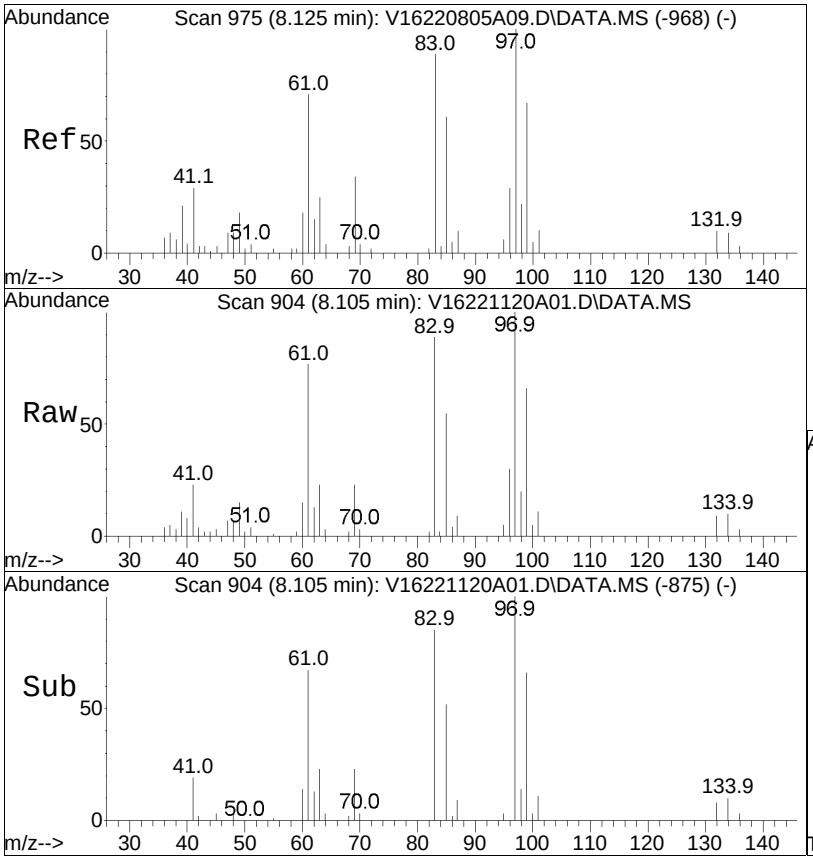


#69
trans-1,3-Dichloropropene
Concen: 9.15 ug/L
RT: 7.925 min Scan# 878
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 75 Resp: 46599

Ion	Ratio	Lower	Upper
75	100		
77	32.1	10.8	50.8
39	65.4	34.0	74.0

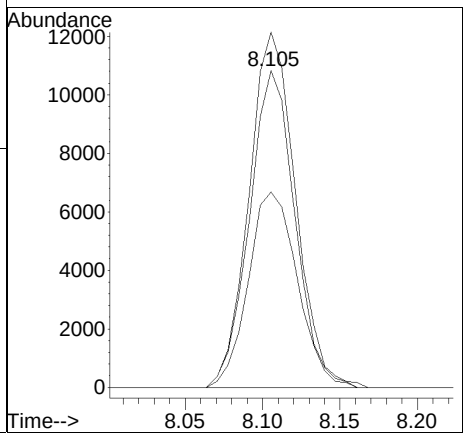


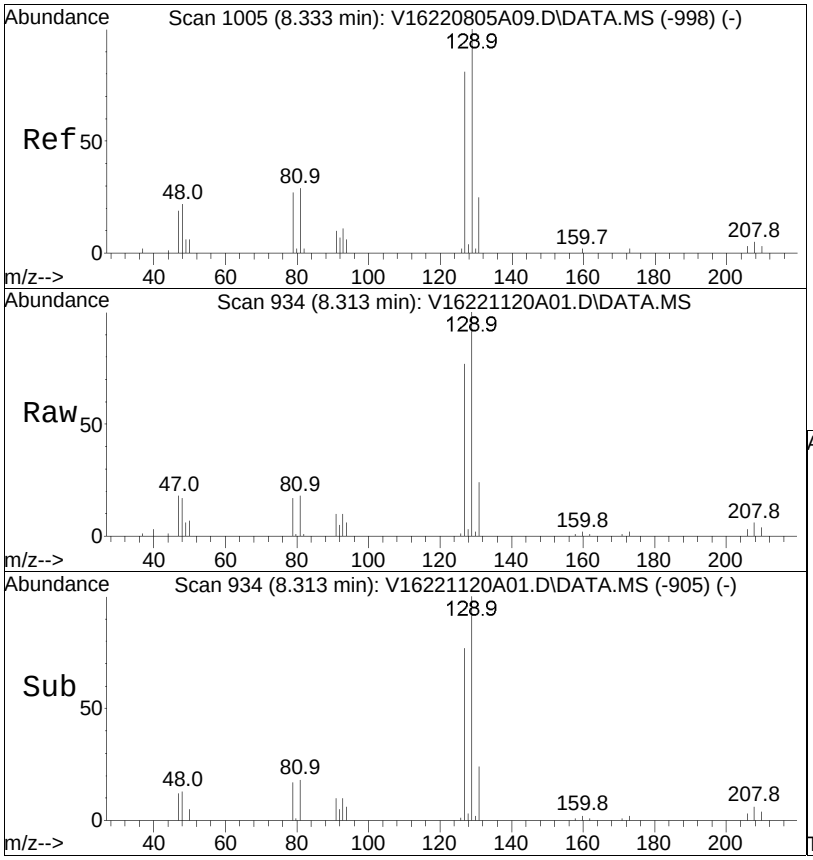


#72
1,1,2-Trichloroethane
Concen: 9.70 ug/L
RT: 8.105 min Scan# 904
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 83 Resp: 22122

Ion	Ratio	Lower	Upper
83	100		
97	114.7	103.2	143.2
85	66.6	47.3	87.3

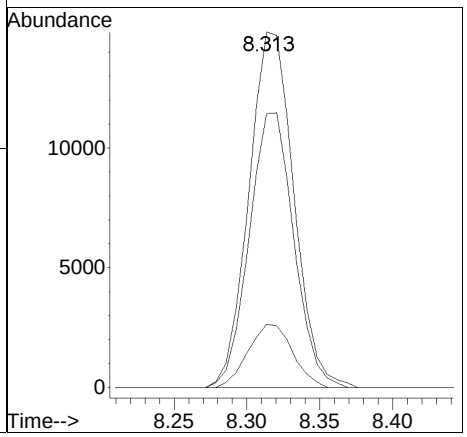


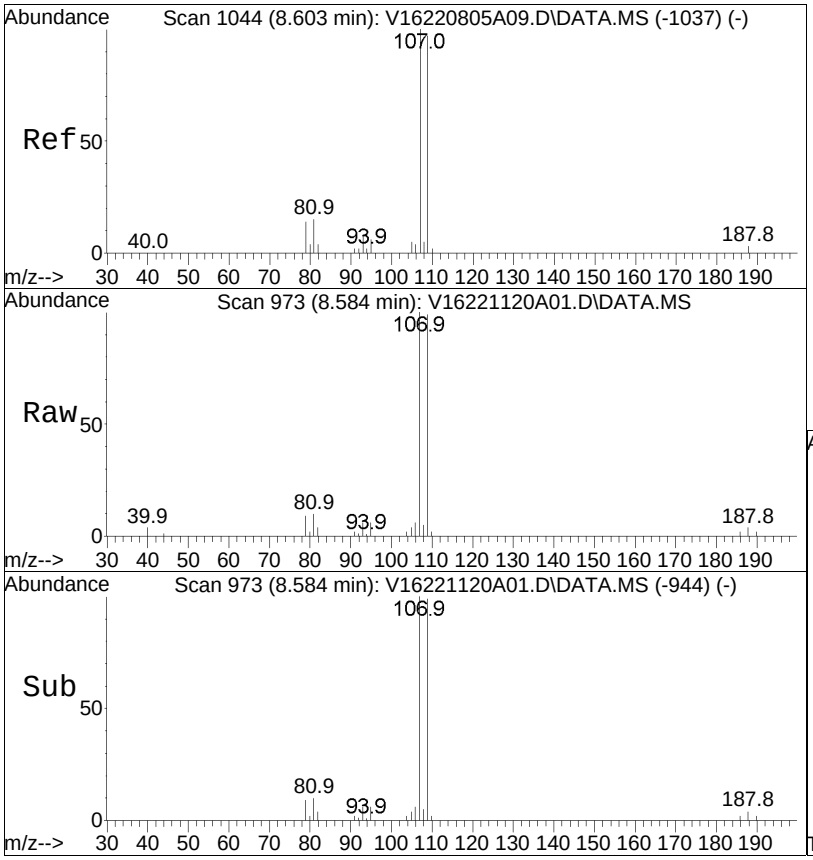


#73
Chlorodibromomethane
Concen: 9.63 ug/L
RT: 8.313 min Scan# 934
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:129 Resp: 31841

Ion	Ratio	Lower	Upper
129	100		
81	17.5	1.6	41.6
127	76.5	58.4	98.4

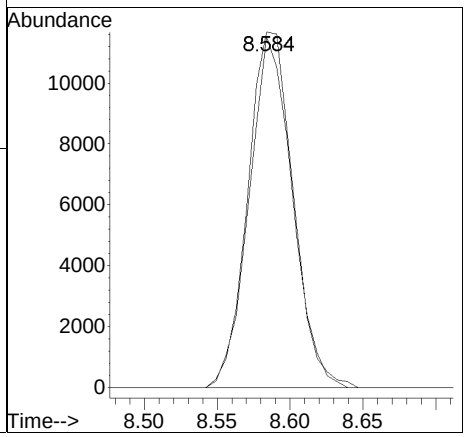


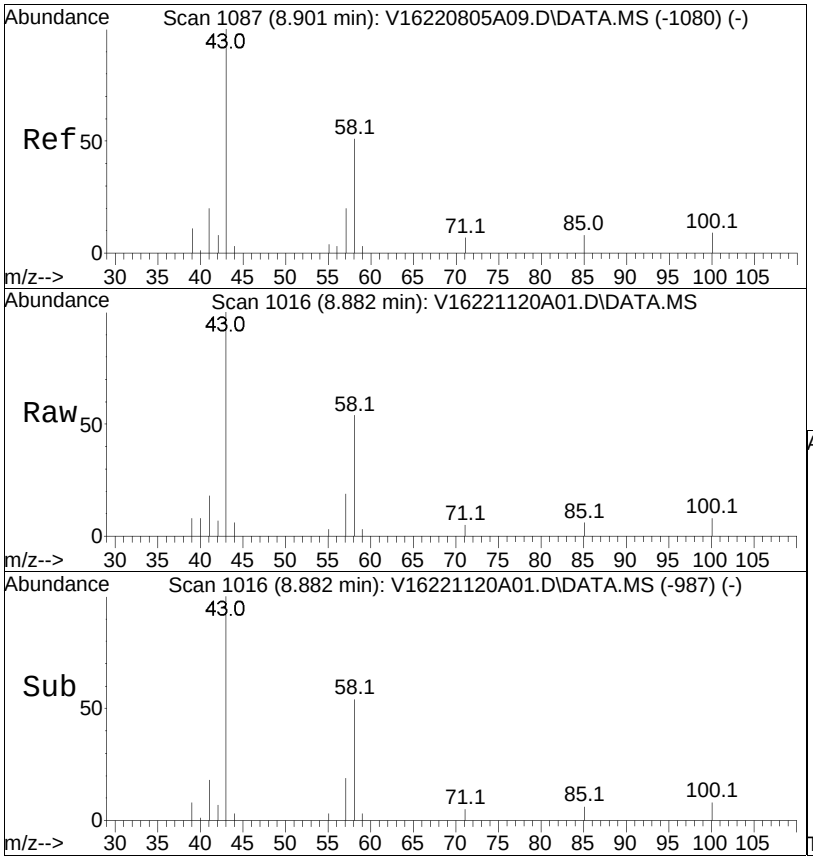


#75
1,2-Dibromoethane
Concen: 9.36 ug/L
RT: 8.584 min Scan# 973
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:107 Resp: 25290

Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.9	115.3

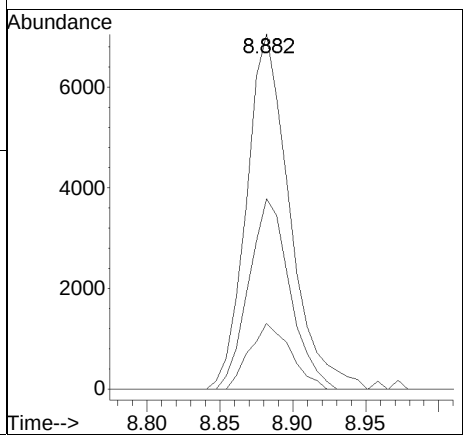


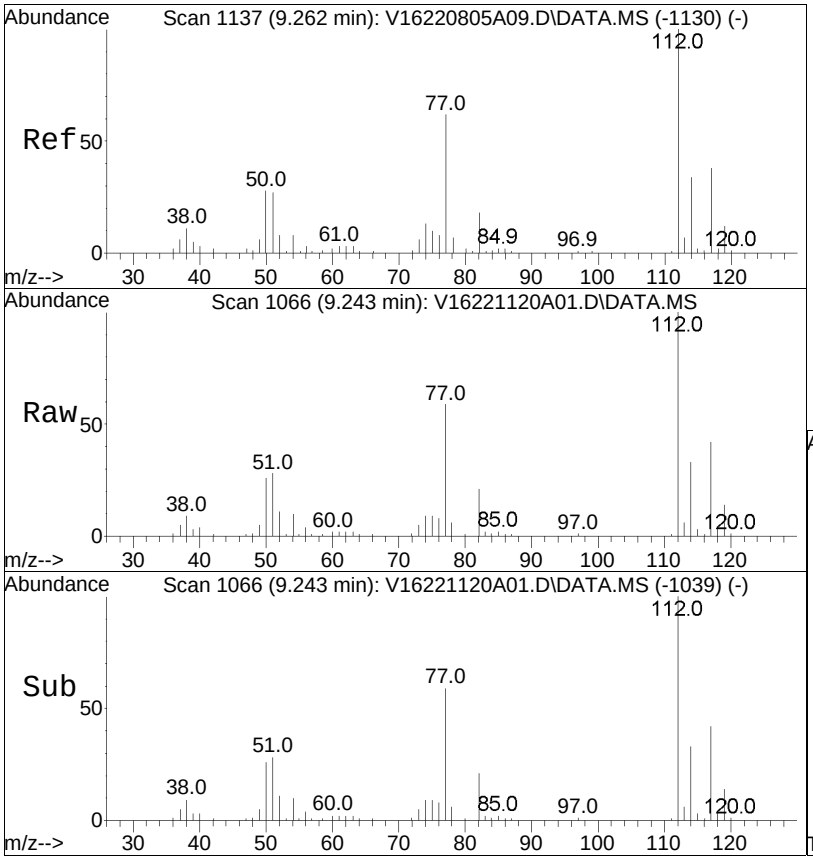


#77
2-Hexanone
Concen: 6.95 ug/L
RT: 8.882 min Scan# 1016
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 43 Resp: 14574

Ion	Ratio	Lower	Upper
43	100		
58	51.3	44.2	66.2
57	17.8	19.2	28.8#

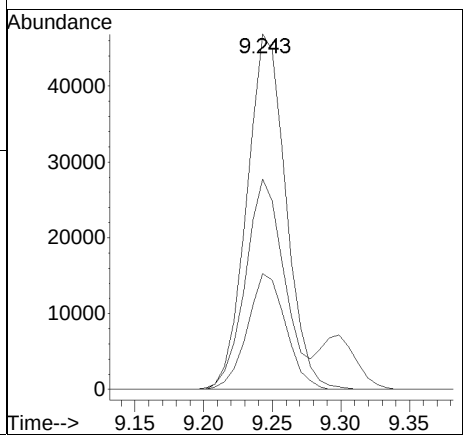


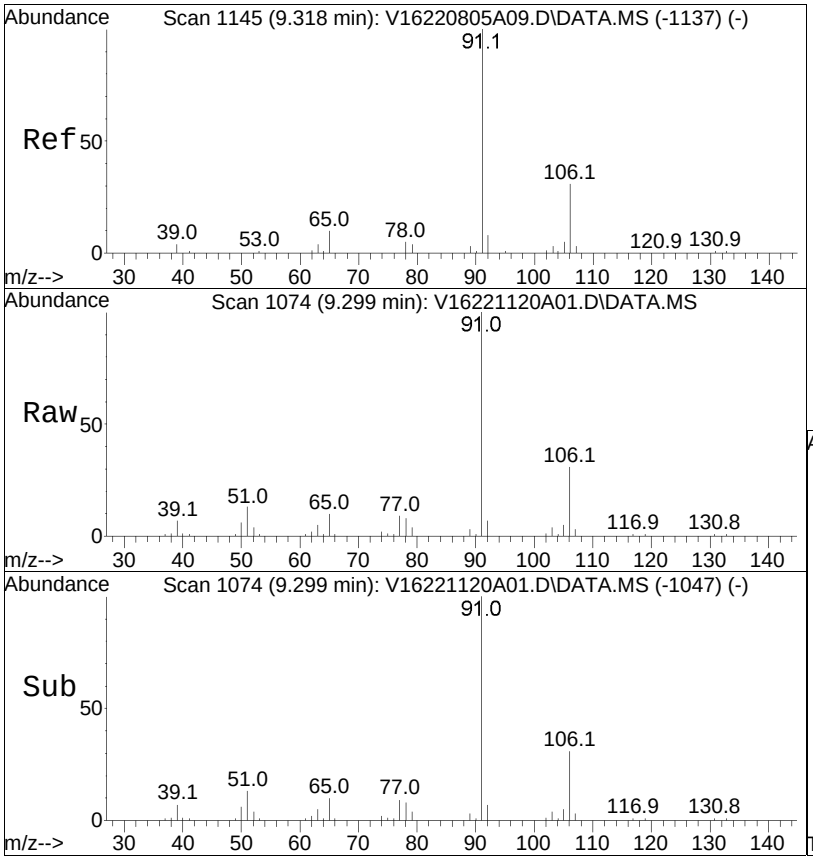


#78
Chlorobenzene
Concen: 9.90 ug/L
RT: 9.243 min Scan# 1066
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:112 Resp: 92766

Ion	Ratio	Lower	Upper
112	100		
77	59.8	50.2	75.2
114	32.1	25.0	37.6

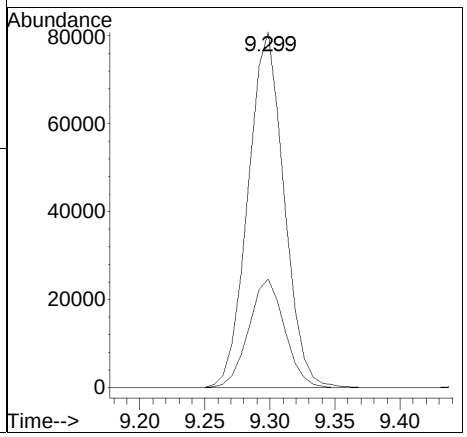


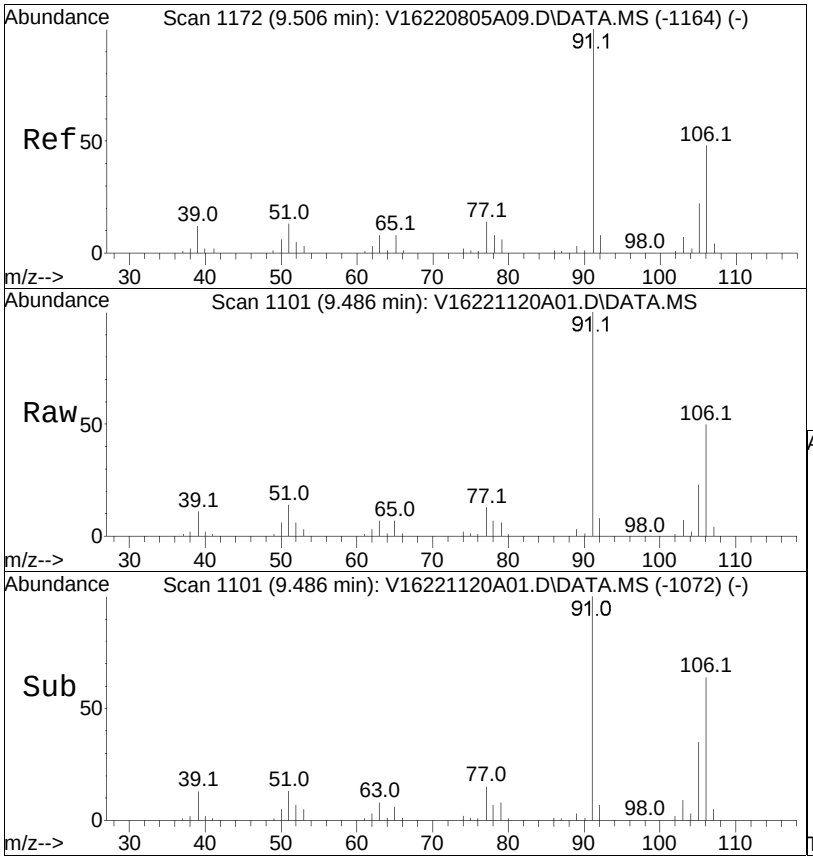


#79
Ethylbenzene
Concen: 9.30 ug/L
RT: 9.299 min Scan# 1074
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 91 Resp: 155574

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.0	37.6

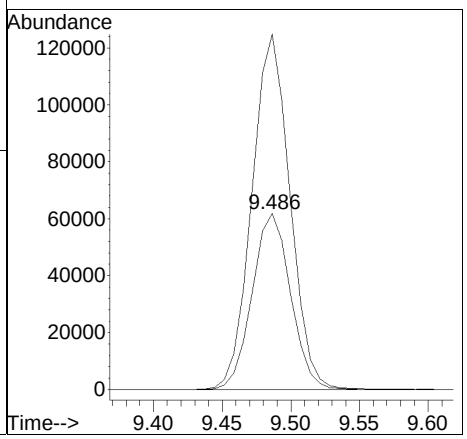


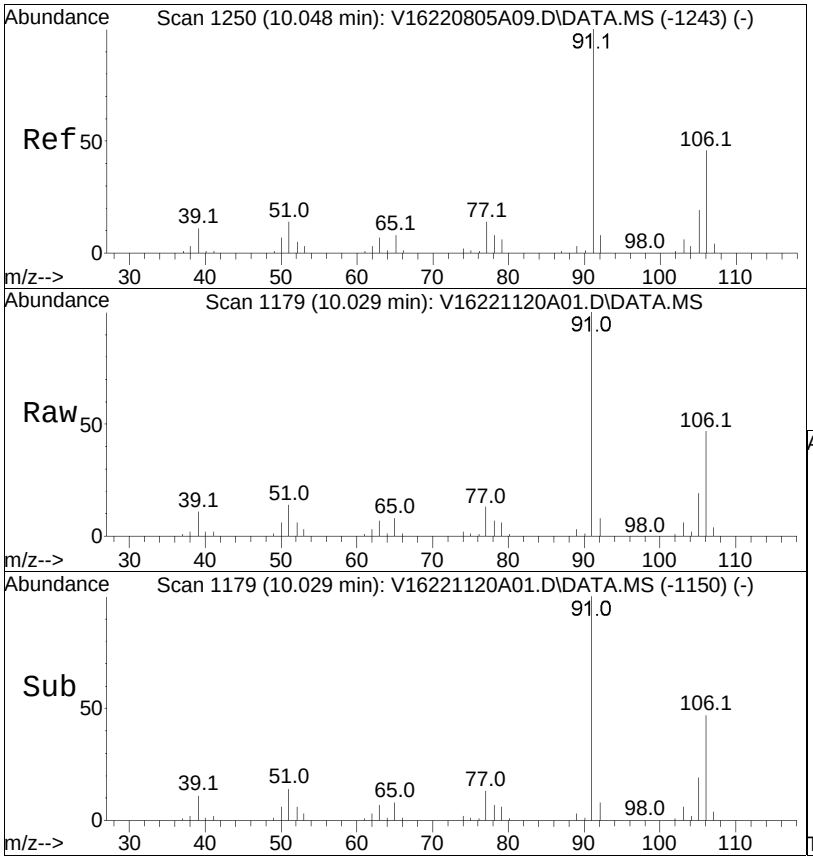


#81
p/m Xylene
Concen: 18.96 ug/L
RT: 9.486 min Scan# 1101
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:106 Resp: 119904

Ion	Ratio	Lower	Upper
106	100		
91	200.3	164.9	247.3

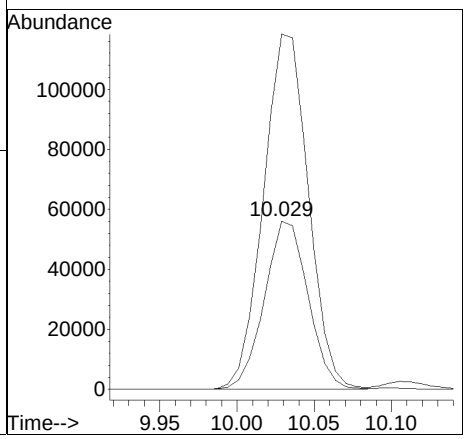


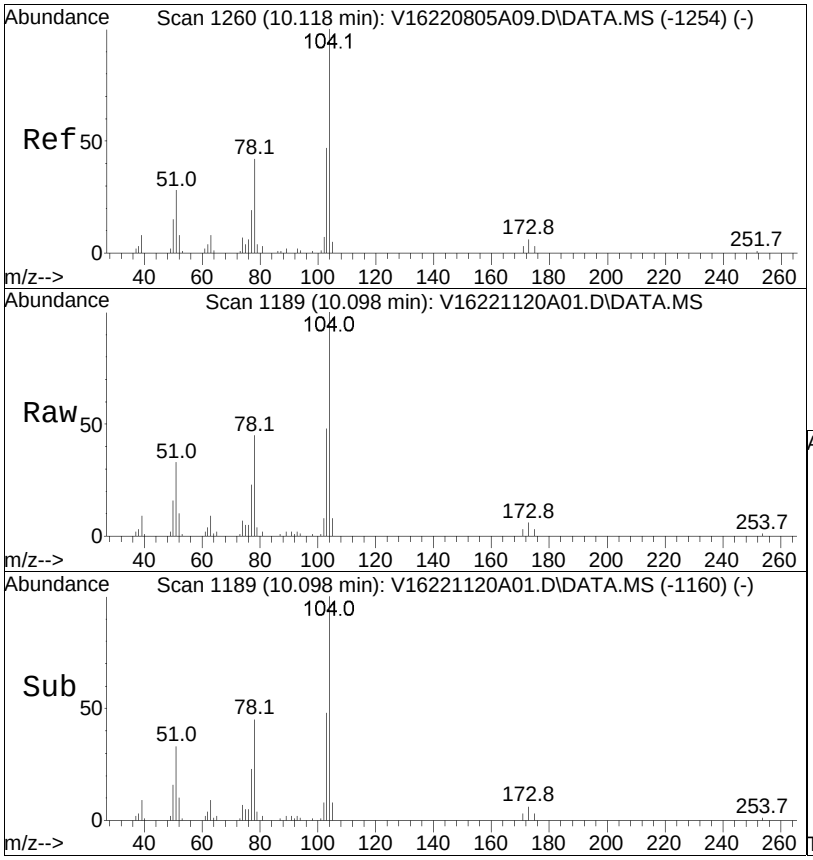


#82
o Xylene
Concen: 18.93 ug/L
RT: 10.029 min Scan# 1179
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:106 Resp: 110405

Ion	Ratio	Lower	Upper
106	100		
91	217.1	179.3	268.9

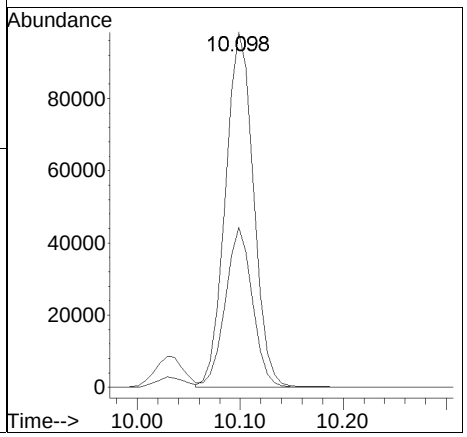


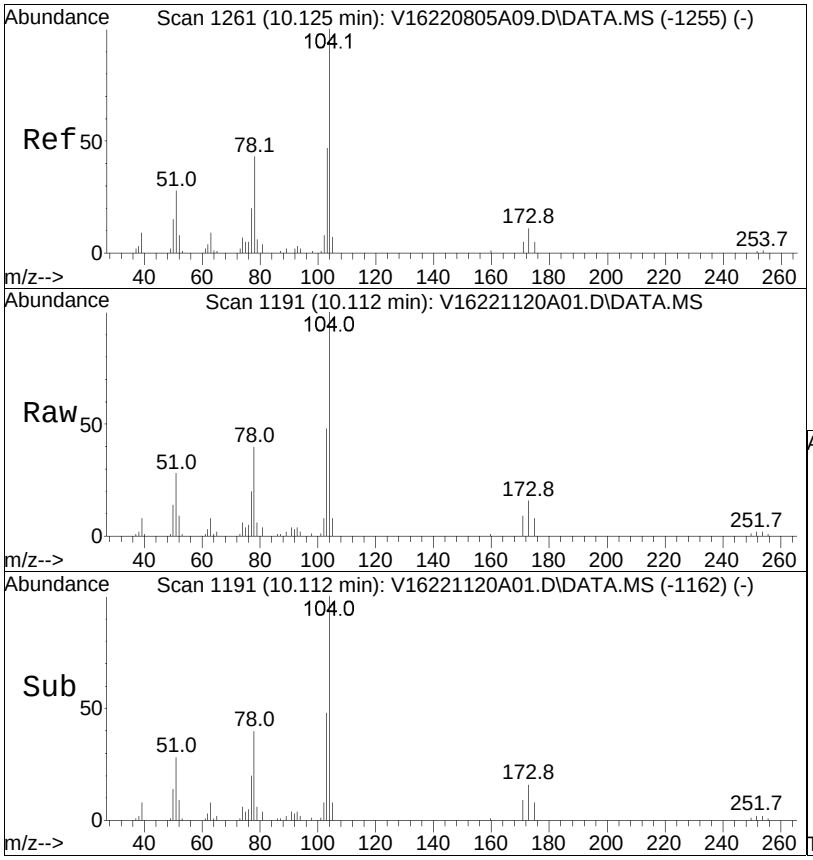


#83
Styrene
Concen: 19.45 ug/L
RT: 10.098 min Scan# 1189
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:104 Resp: 187329

Ion	Ratio	Lower	Upper
104	100		
78	43.0	39.0	58.6

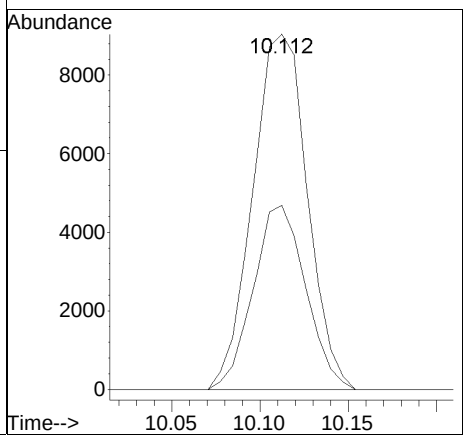


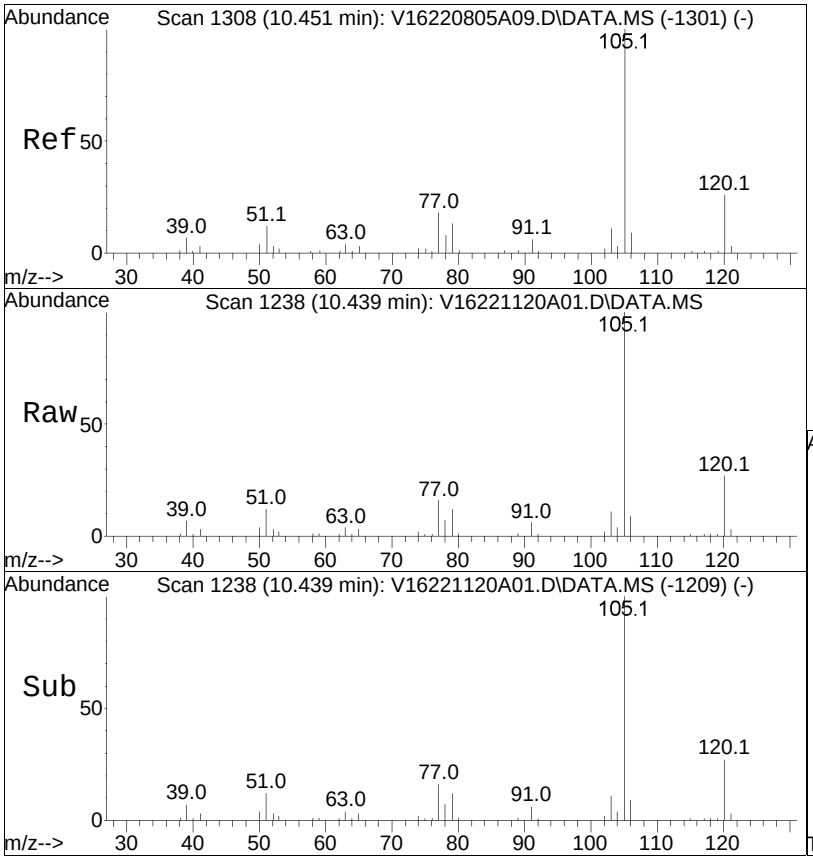


#85
Bromoform
Concen: 8.49 ug/L
RT: 10.112 min Scan# 1191
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:173 Resp: 19449

Ion	Ratio	Lower	Upper
173	100		
175	49.7	26.0	66.0

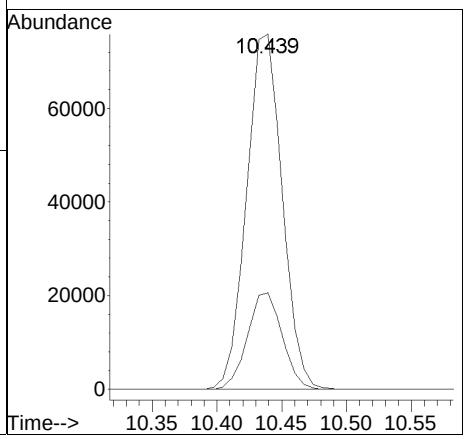


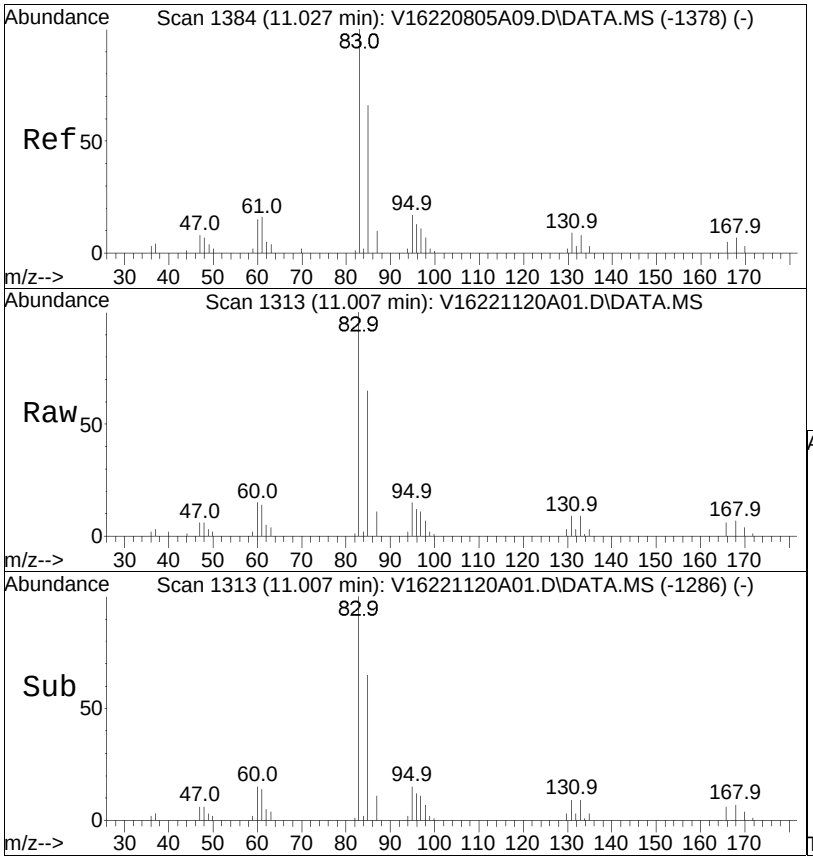


#87
Isopropylbenzene
Concen: 8.57 ug/L
RT: 10.439 min Scan# 1238
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:105 Resp: 162776

Ion	Ratio	Lower	Upper
105	100		
120	23.7	6.4	46.4

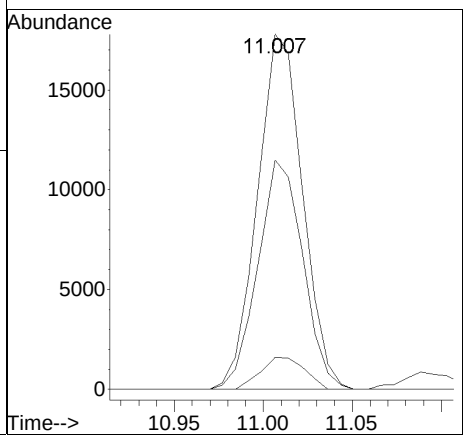


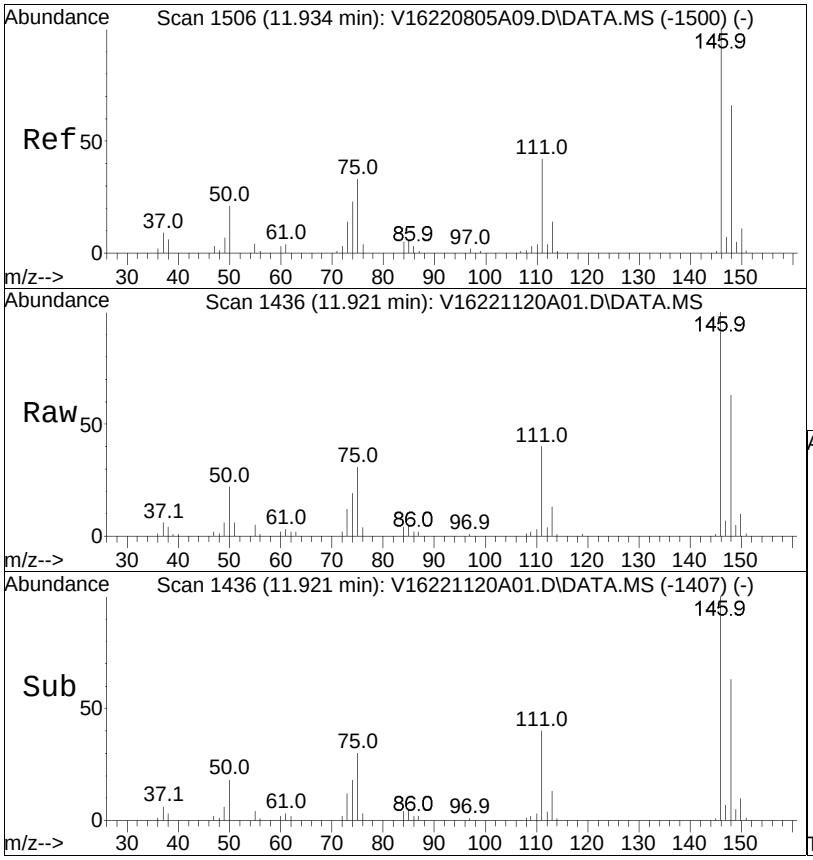


#92
1,1,2,2-Tetrachloroethane
Concen: 9.27 ug/L
RT: 11.007 min Scan# 1313
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion: 83 Resp: 31439

Ion	Ratio	Lower	Upper
83	100		
131	8.8	0.0	32.2
85	64.3	43.6	83.6

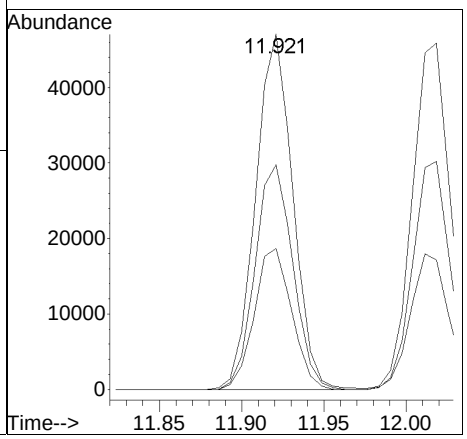


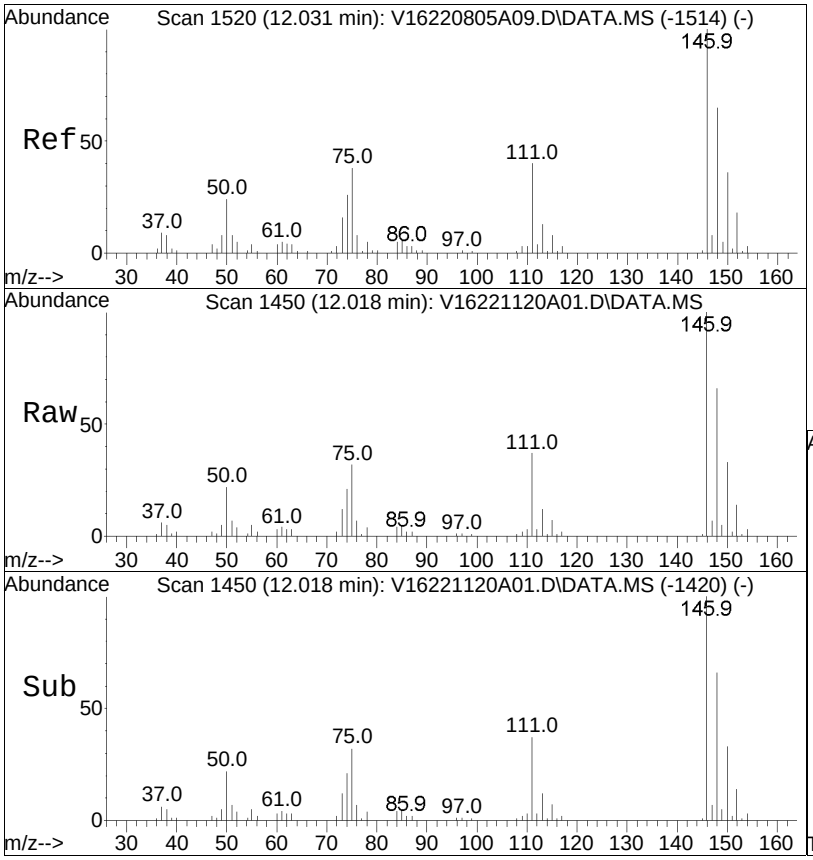


#105
1,3-Dichlorobenzene
Concen: 9.20 ug/L
RT: 11.921 min Scan# 1436
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:146 Resp: 73905

Ion	Ratio	Lower	Upper
146	100		
111	39.8	25.9	53.9
148	64.1	41.1	85.5

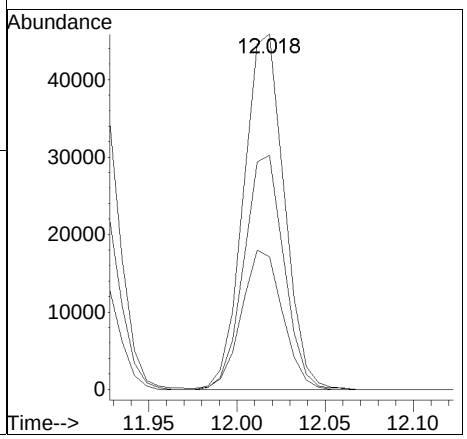


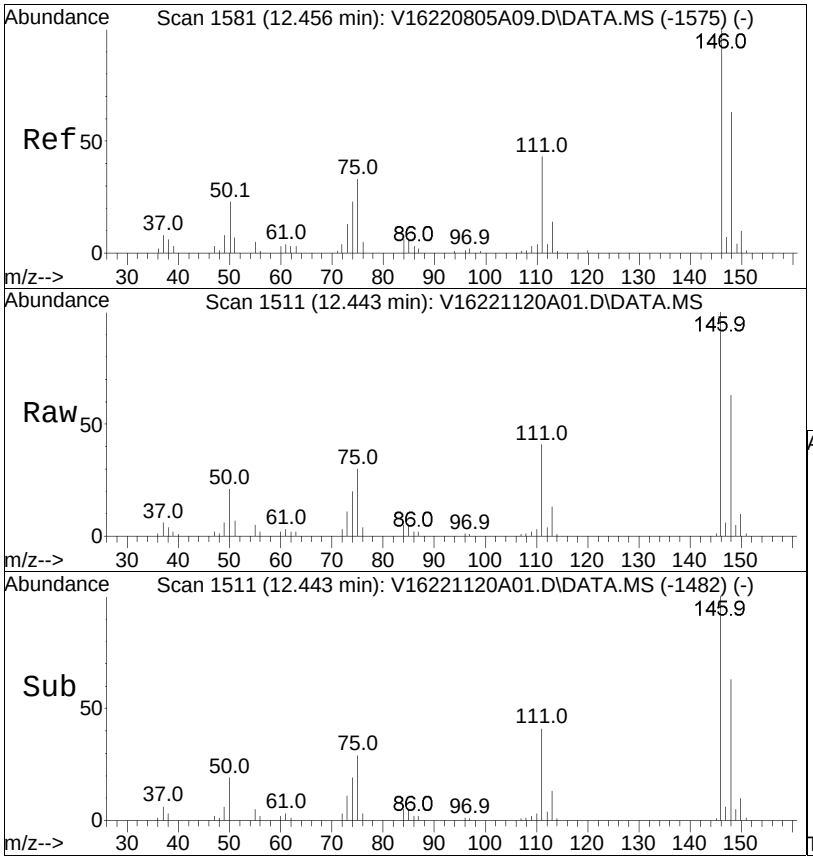


#106
1,4-Dichlorobenzene
Concen: 9.16 ug/L
RT: 12.018 min Scan# 1450
Delta R.T. 0.007 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:146 Resp: 73580

Ion	Ratio	Lower	Upper
146	100		
111	39.5	30.8	46.2
148	64.8	50.8	76.2

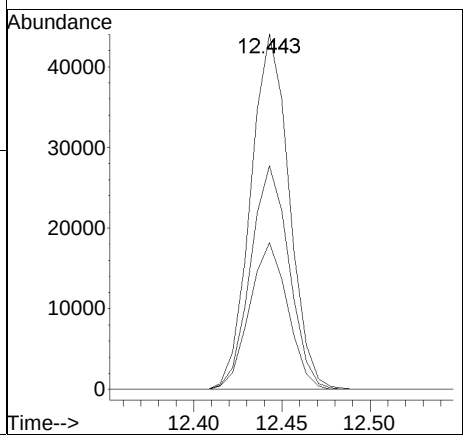


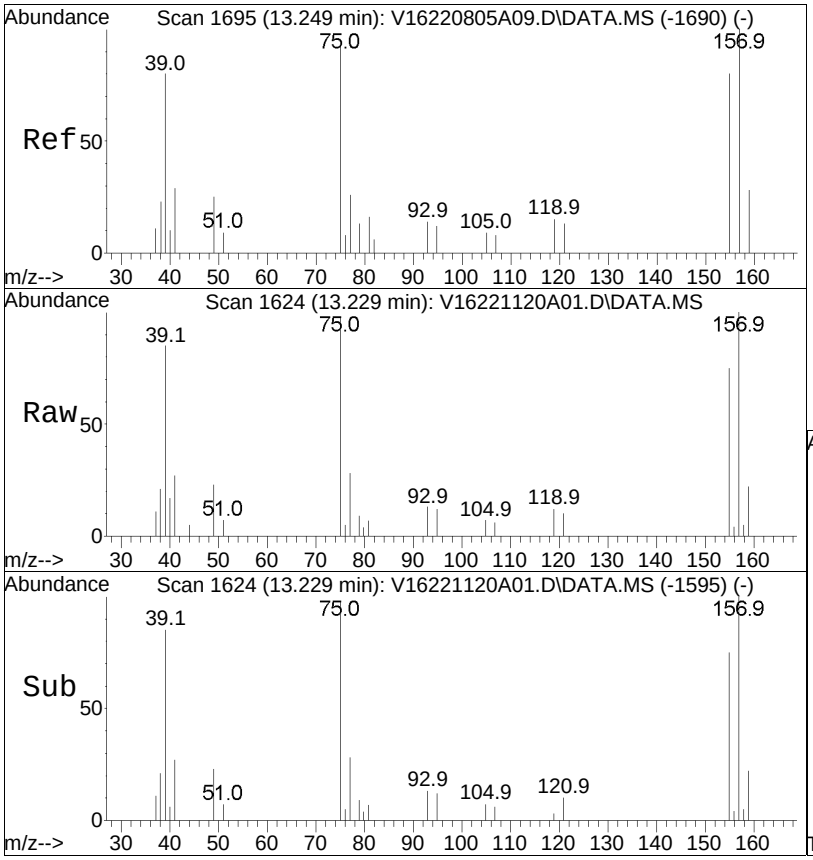


#109
1,2-Dichlorobenzene
Concen: 9.14 ug/L
RT: 12.443 min Scan# 1511
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:146 Resp: 66937

Ion	Ratio	Lower	Upper
146	100		
111	41.0	27.2	56.6
148	62.9	41.7	86.5

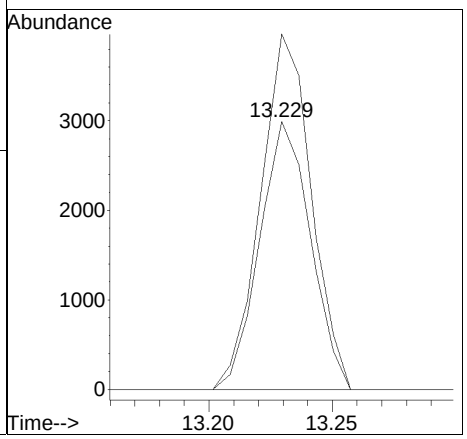


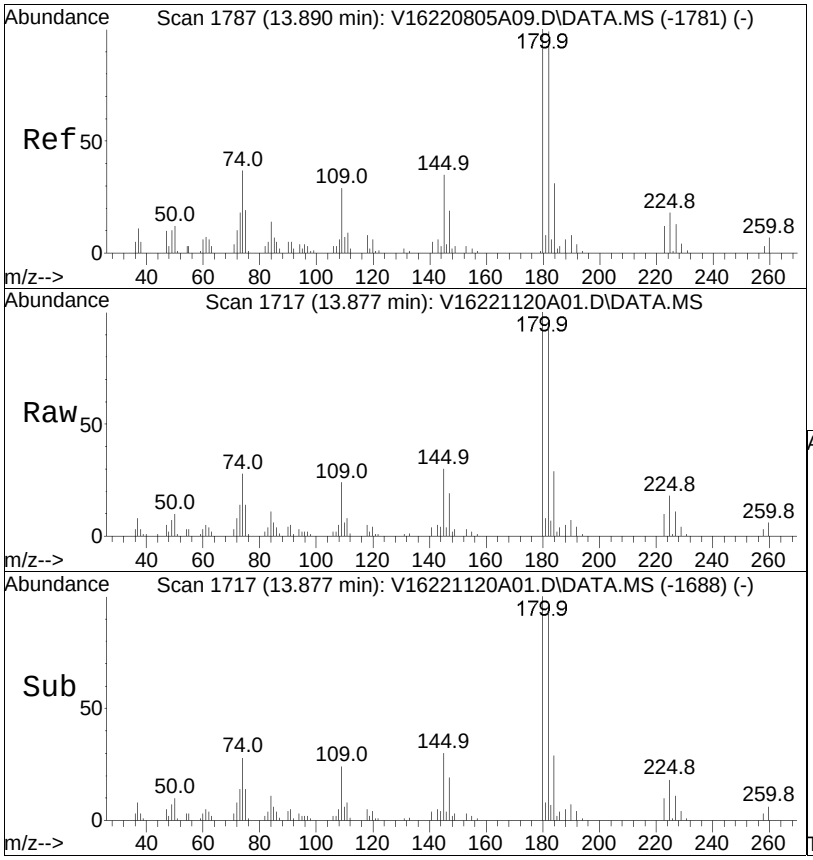


#111
1,2-Dibromo-3-chloropropane
Concen: 7.80 ug/L
RT: 13.229 min Scan# 1624
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:155 Resp: 4288

Ion	Ratio	Lower	Upper
155	100		
157	132.1	95.6	143.4

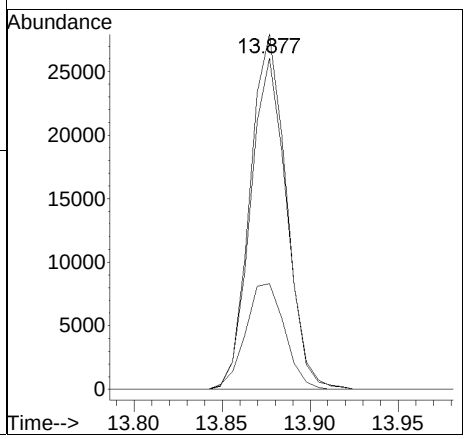


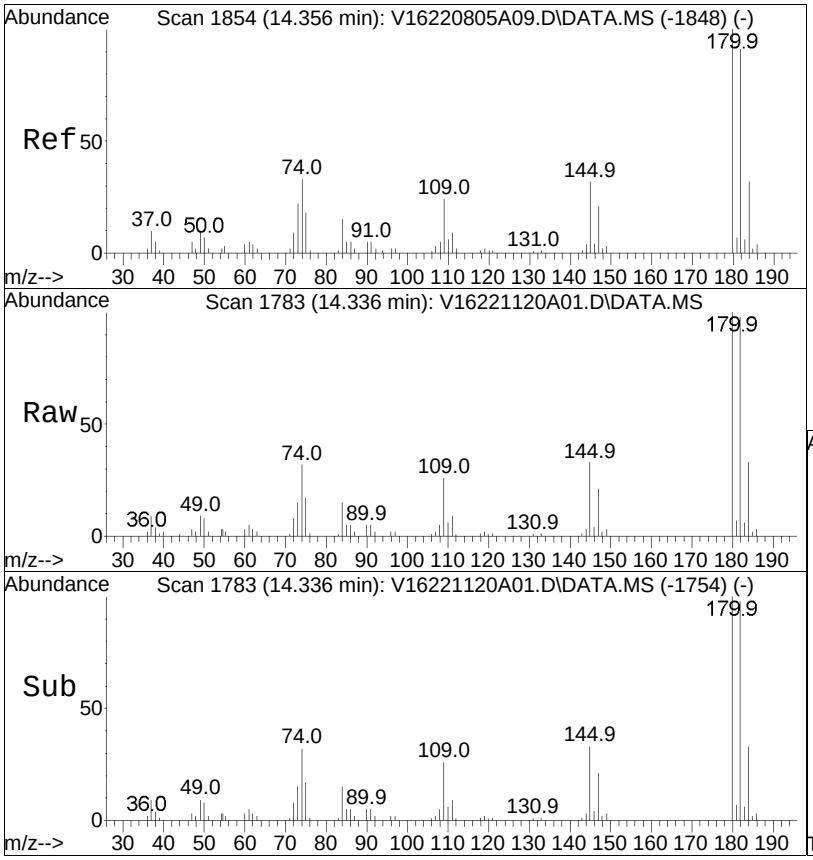


#114
1,2,4-Trichlorobenzene
Concen: 7.87 ug/L
RT: 13.877 min Scan# 1717
Delta R.T. -0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:180 Resp: 39975

Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.4	114.6
145	32.3	26.5	39.7

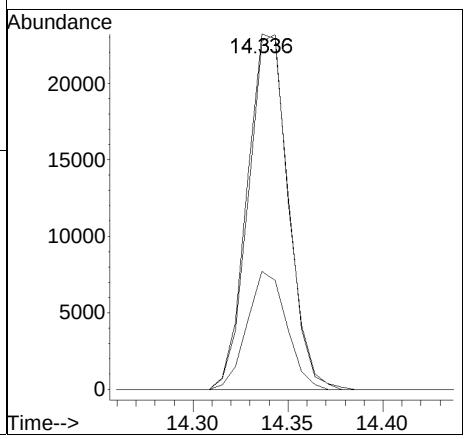




#116
1,2,3-Trichlorobenzene
Concen: 7.82 ug/L
RT: 14.336 min Scan# 1783
Delta R.T. 0.000 min
Lab File: V16221120A01.D
Acq: 20 Nov 2022 08:28 am

Tgt Ion:180 Resp: 34875

Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.6	118.0
145	31.9	24.8	37.2



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-3,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.620	96	192015	10.000 ug/L	0.00
Standard Area 1 = 192015			Recovery = 100.00%		
59) Chlorobenzene-d5	8.572	117	156468	10.000 ug/L	0.00
Standard Area 1 = 156468			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	10.051	152	85868	10.000 ug/L	0.00
Standard Area 1 = 85868			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.650	113	57876	10.271 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.71%		
43) 1,2-Dichloroethane-d4	5.274	65	62372	10.522 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.22%		
60) Toluene-d8	7.298	98	188432	9.961 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.61%		
83) 4-Bromofluorobenzene	9.379	95	62262	9.554 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.54%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.012	85	29665	8.241 ug/L	99
3) Chloromethane	1.148	50	35733	8.874 ug/L	99
4) Vinyl chloride	1.190	62	43814	10.102 ug/L	95
5) Bromomethane	1.405	94	36679	8.700 ug/L	96
6) Chloroethane	1.489	64	91394	20.600 ug/L	96
7) Trichlorofluoromethane	1.593	101	97619	10.081 ug/L	97
10) 1,1-Dichloroethene	1.971	96	56616	9.894 ug/L #	56
11) Carbon disulfide	1.976	76	100500	10.121 ug/L	99
12) Freon-113	2.013	101	60185	10.238 ug/L	95
15) Methylene chloride	2.474	84	43692	8.981 ug/L	66
17) Acetone	2.532	43	12668	9.490 ug/L	99
18) trans-1,2-Dichloroethene	2.626	96	41730	8.994 ug/L #	67
19) Methyl acetate	2.663	43	27966	8.372 ug/L #	84
20) Methyl tert-butyl ether	2.768	73	100938	8.123 ug/L	94
23) 1,1-Dichloroethane	3.282	63	71024	9.481 ug/L	97
28) cis-1,2-Dichloroethene	4.000	96	49850	9.298 ug/L #	64
30) Bromochloromethane	4.267	128	28231	9.528 ug/L #	47
31) Cyclohexane	4.257	56	56233	8.731 ug/L #	51
32) Chloroform	4.414	83	81127	9.485 ug/L	97
34) Carbon tetrachloride	4.545	117	60023	8.859 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-3,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.640	97	66683	8.895	ug/L	#	97
39) 2-Butanone	4.828	43	19311	8.696	ug/L	#	39
41) Benzene	5.106	78	165301	9.242	ug/L	#	89
44) 1,2-Dichloroethane	5.353	62	64988	9.729	ug/L		97
47) Methyl cyclohexane	5.783	83	62185	8.328	ug/L	#	61
48) Trichloroethene	5.814	95	46544	8.950	ug/L		90
51) 1,2-Dichloropropane	6.365	63	44120	9.762	ug/L		95
54) Bromodichloromethane	6.464	83	60597	8.972	ug/L	#	98
57) 1,4-Dioxane	6.684	88	24839	472.160	ug/L	#	68
58) cis-1,3-Dichloropropene	7.120	75	70049	8.804	ug/L		93
61) Toluene	7.350	92	106651	8.876	ug/L		99
62) 4-Methyl-2-pentanone	7.738	58	13796	7.913	ug/L	#	85
63) Tetrachloroethene	7.702	166	47598	8.299	ug/L		89
65) trans-1,3-Dichloropropene	7.754	75	63993	8.562	ug/L		98
68) 1,1,2-Trichloroethane	7.885	83	35887	9.447	ug/L		91
69) Chlorodibromomethane	8.016	129	49386	8.366	ug/L		98
71) 1,2-Dibromoethane	8.173	107	43947	8.579	ug/L		96
72) 2-Hexanone	8.404	43	25899	7.564	ug/L		96
73) Chlorobenzene	8.582	112	130944	8.843	ug/L	#	84
74) Ethylbenzene	8.624	91	197463	8.566	ug/L		95
76) p/m Xylene	8.729	106	166442	17.393	ug/L		86
77) o Xylene	9.007	106	157286	17.244	ug/L		82
78) Styrene	9.044	104	255839	16.672	ug/L	#	83
80) Bromoform	9.049	173	30954	7.529	ug/L		98
82) Isopropylbenzene	9.217	105	204334	8.744	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.521	83	58121	9.612	ug/L		98
100) 1,3-Dichlorobenzene	10.003	146	112557	8.666	ug/L		96
101) 1,4-Dichlorobenzene	10.056	146	115752	8.800	ug/L		96
104) 1,2-Dichlorobenzene	10.297	146	113414	8.878	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.753	155	10619	8.417	ug/L		98
109) 1,2,4-Trichlorobenzene	11.125	180	77182	8.563	ug/L		96
111) 1,2,3-Trichlorobenzene	11.408	180	75265	8.312	ug/L		100

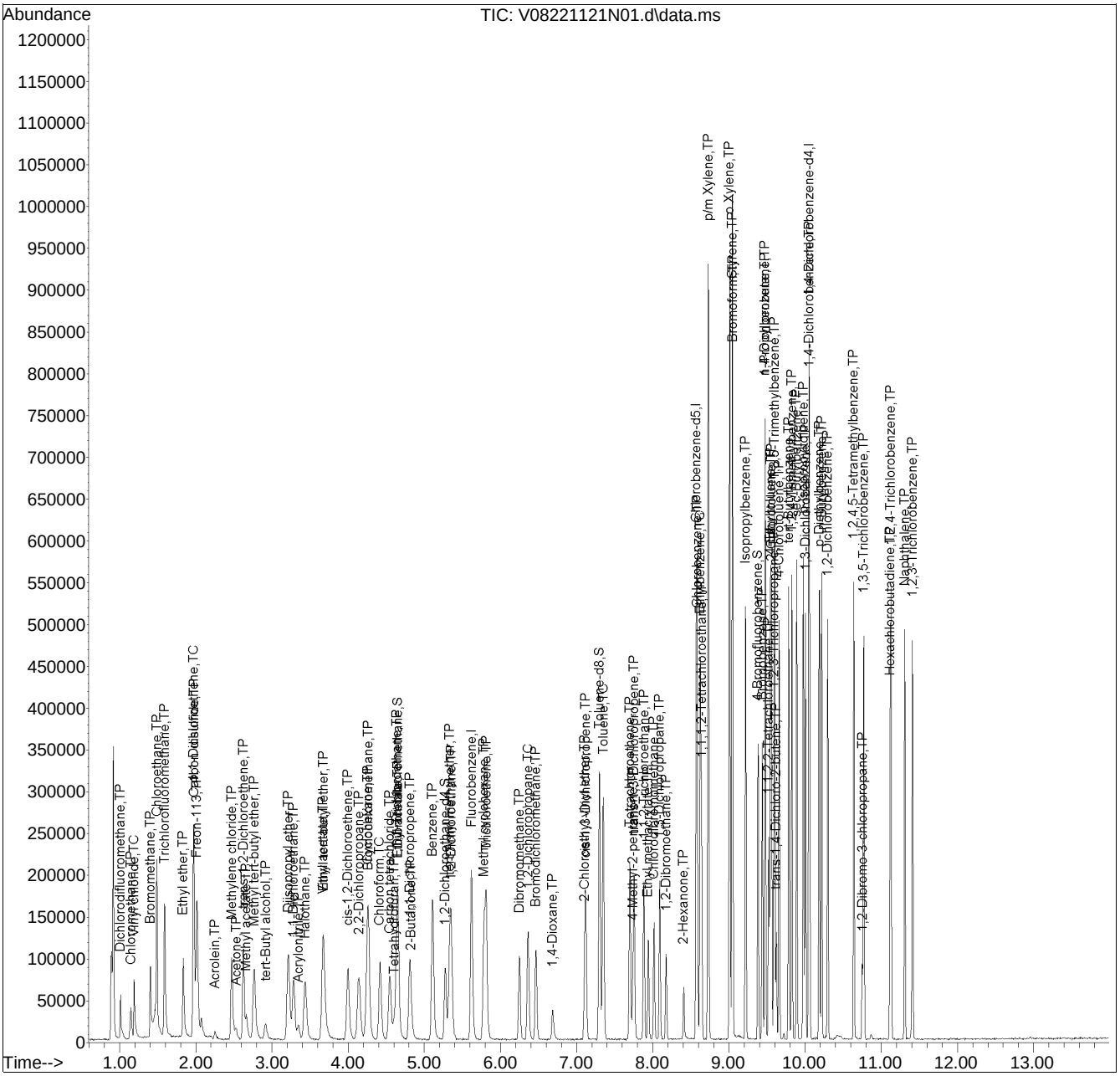
(#) = qualifier out of range (m) = manual integration (+) = signals summed

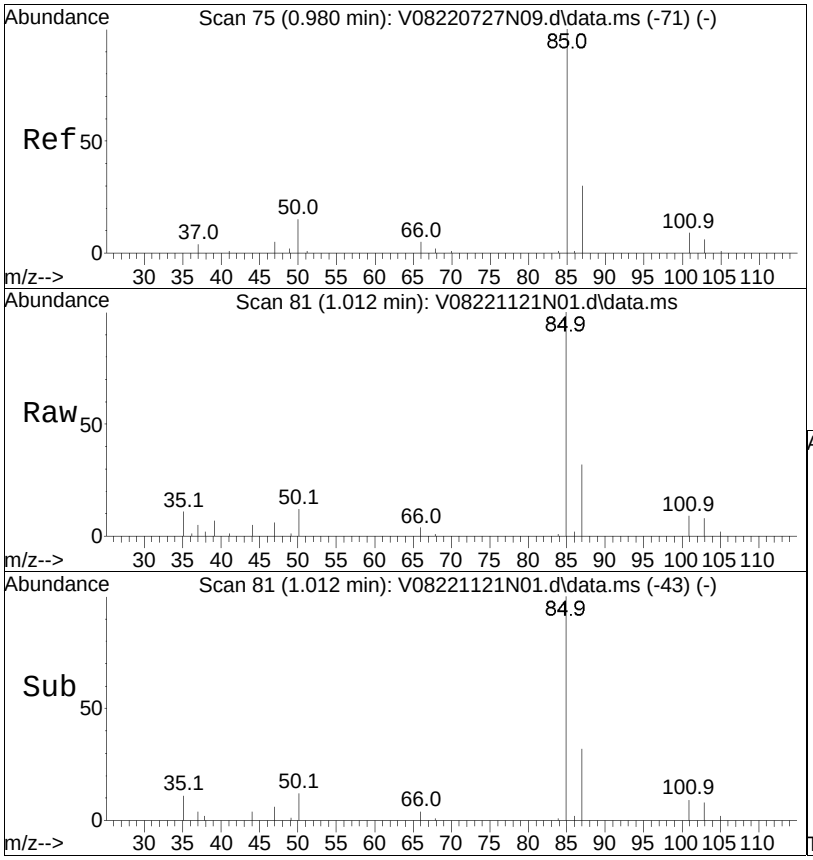
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N01.d
Acq On : 21 Nov 2022 6:15 pm
Operator : VOA108:AJK
Sample : WG1715252-3,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 18:42:00 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

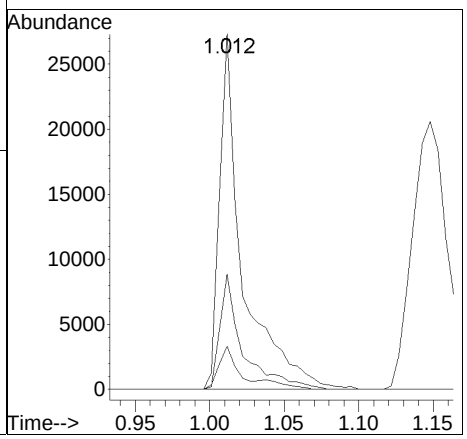


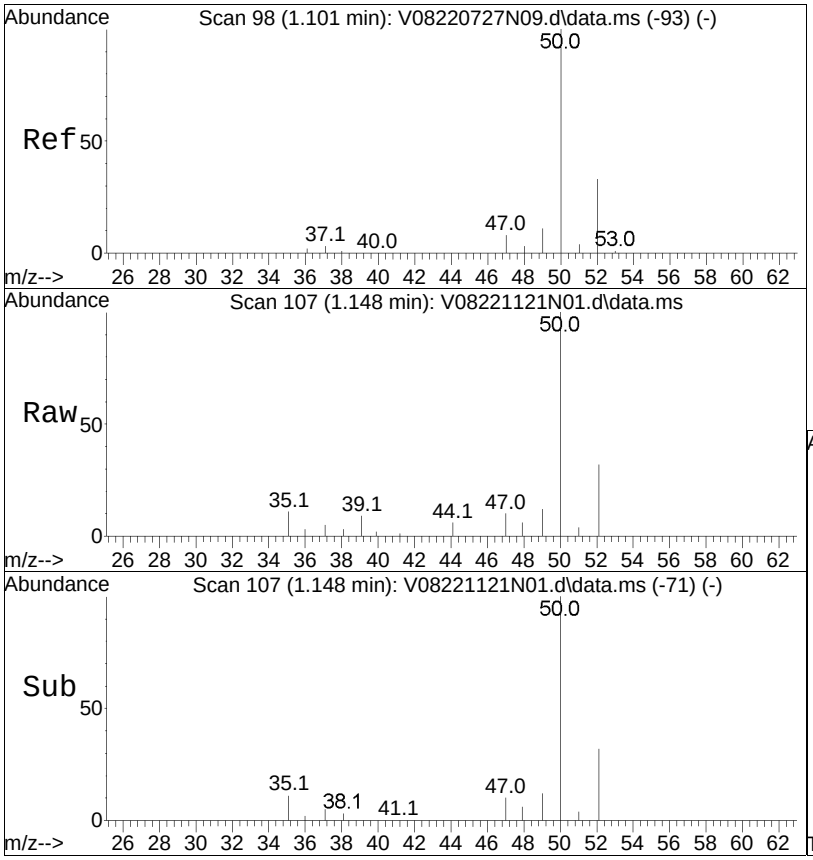


#2
Dichlorodifluoromethane
Concen: 8.24 ug/L
RT: 1.012 min Scan# 81
Delta R.T. 0.000 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 85 Resp: 29665

Ion	Ratio	Lower	Upper
85	100		
87	32.0	21.0	43.6
50	12.7	8.9	18.5

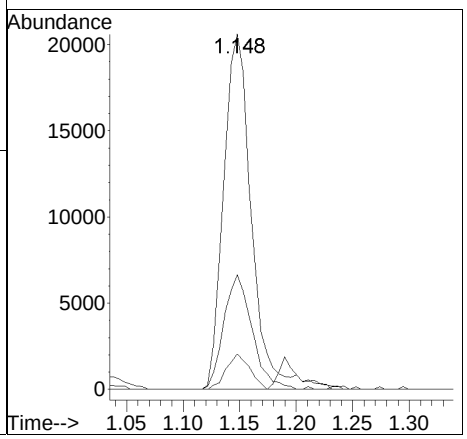


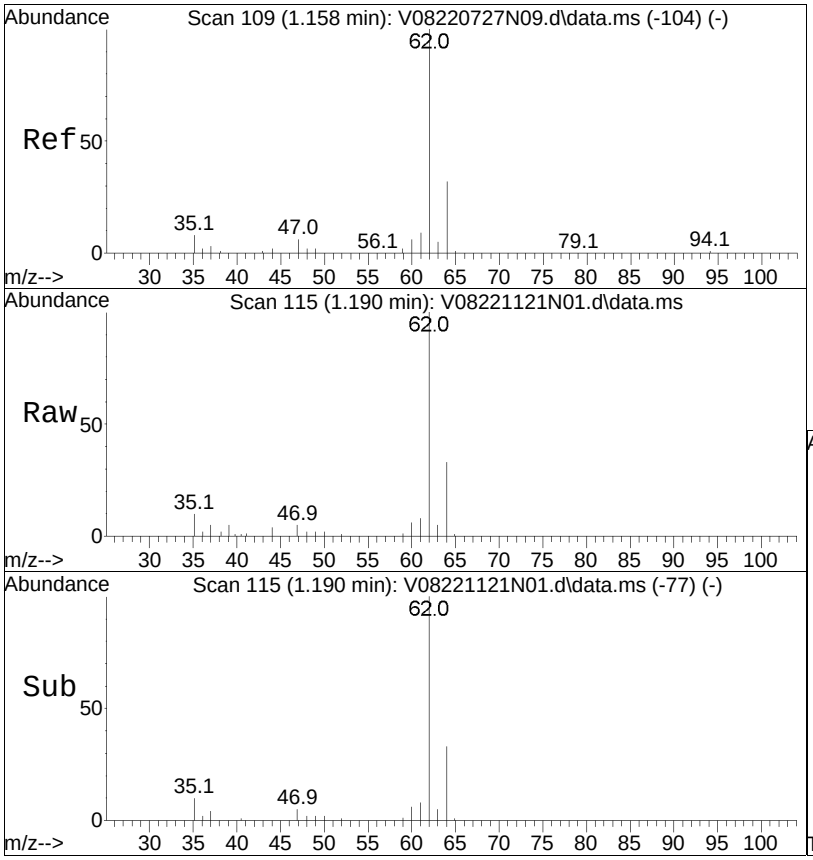


#3
Chloromethane
Concen: 8.87 ug/L
RT: 1.148 min Scan# 107
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 50 Resp: 35733

Ion	Ratio	Lower	Upper
50	100		
52	32.4	12.9	52.9
47	8.4	0.0	28.3

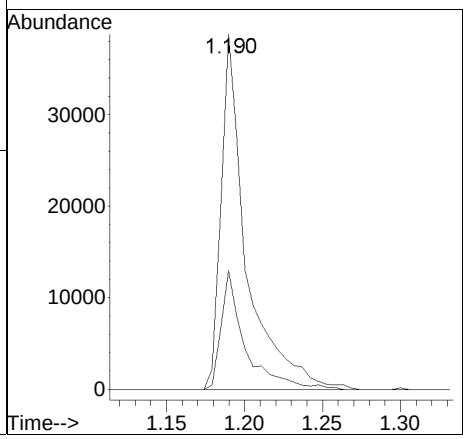


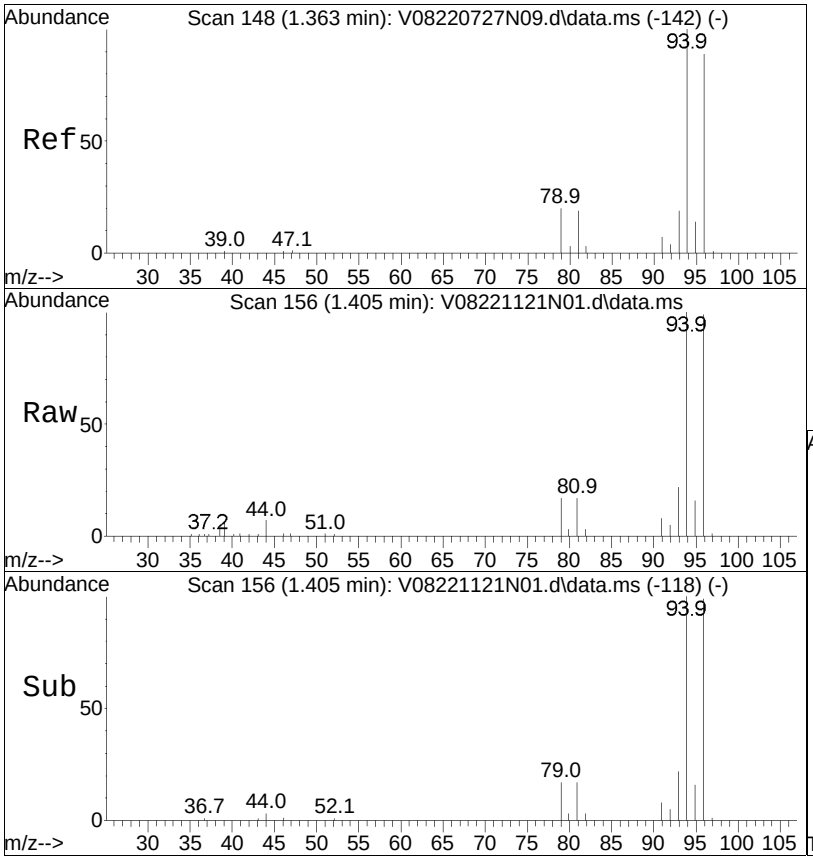


#4
Vinyl chloride
Concen: 10.10 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 62 Resp: 43814

Ion	Ratio	Lower	Upper
62	100		
64	31.6	9.1	49.1

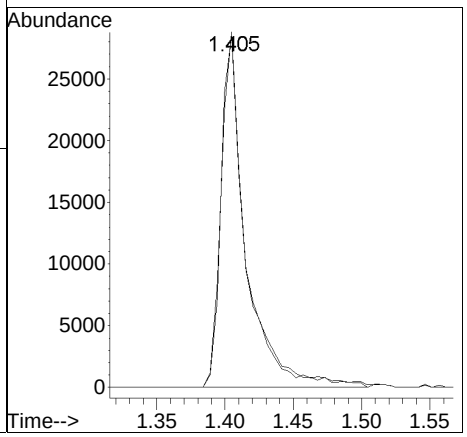


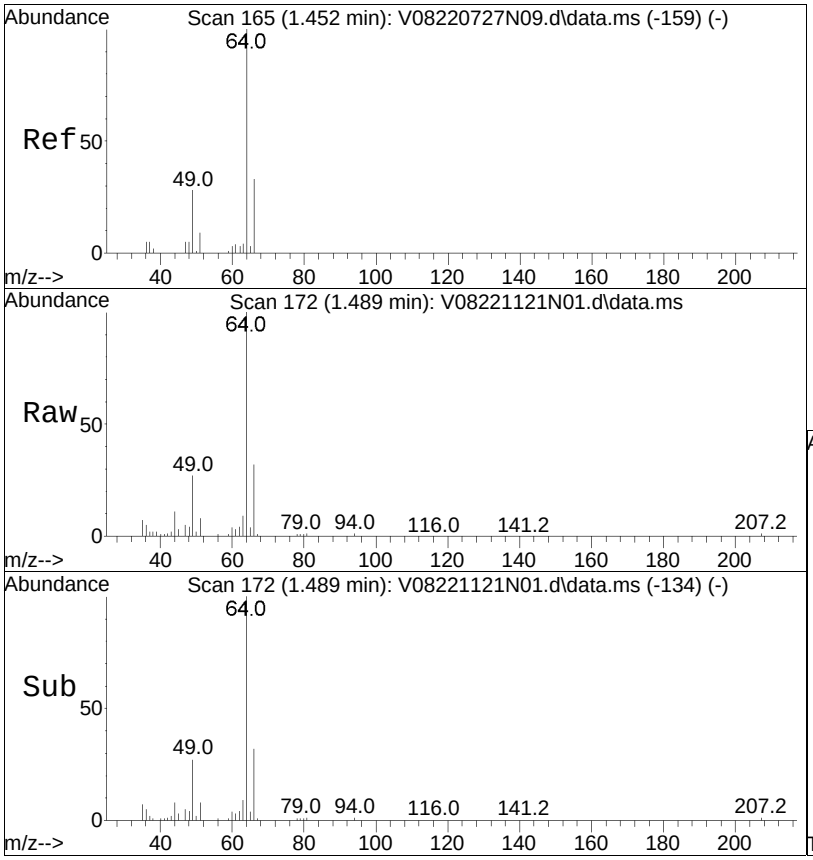


#5
Bromomethane
Concen: 8.70 ug/L
RT: 1.405 min Scan# 156
Delta R.T. 0.000 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 94 Resp: 36679

Ion	Ratio	Lower	Upper
94	100		
96	99.1	75.6	115.6

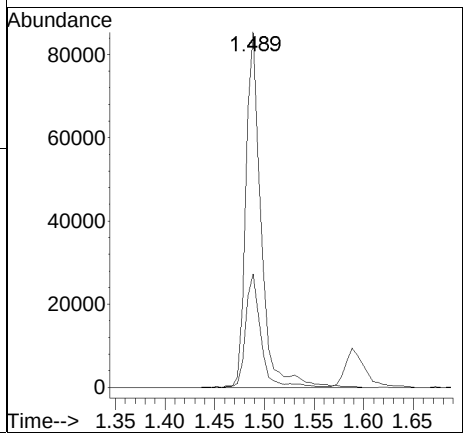


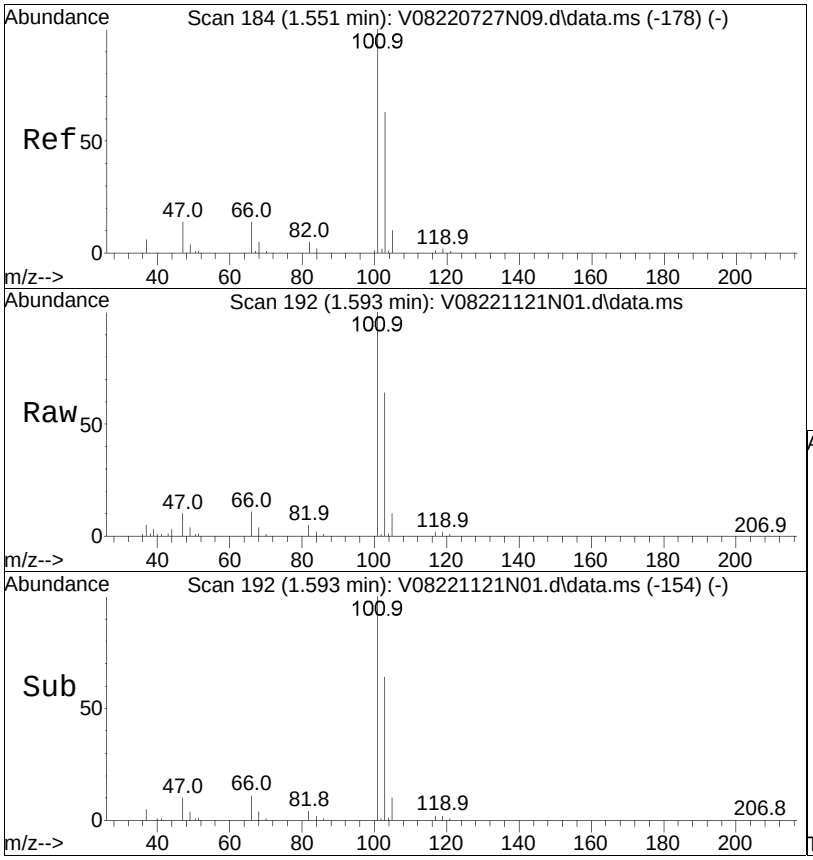


#6
Chloroethane
Concen: 20.60 ug/L
RT: 1.489 min Scan# 172
Delta R.T. 0.000 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 64 Resp: 91394

Ion	Ratio	Lower	Upper
64	100		
66	31.9	9.8	49.8

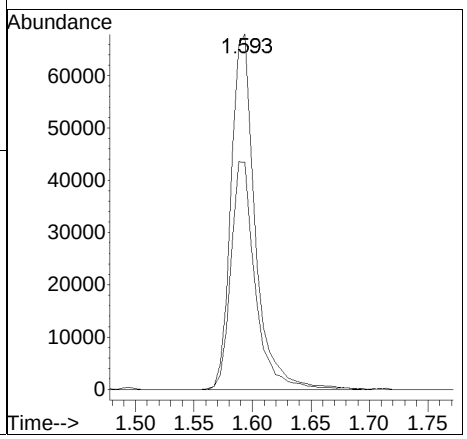


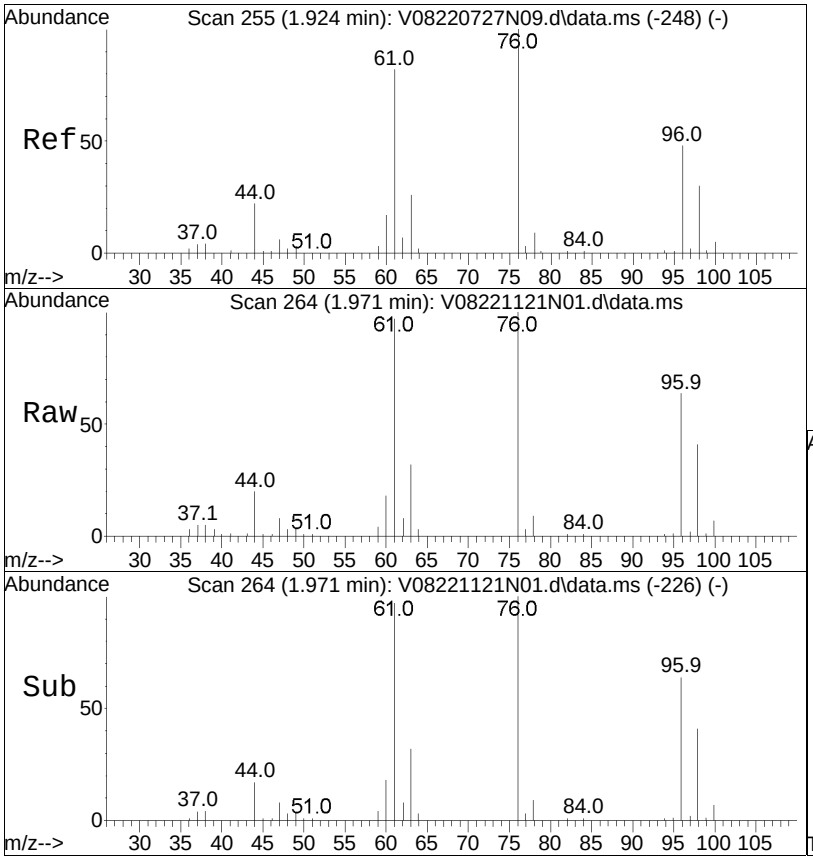


#7
Trichlorofluoromethane
Concen: 10.08 ug/L
RT: 1.593 min Scan# 192
Delta R.T. 0.000 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:101 Resp: 97619

Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.8	80.6

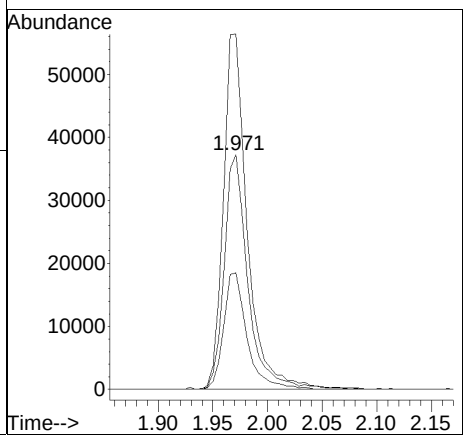


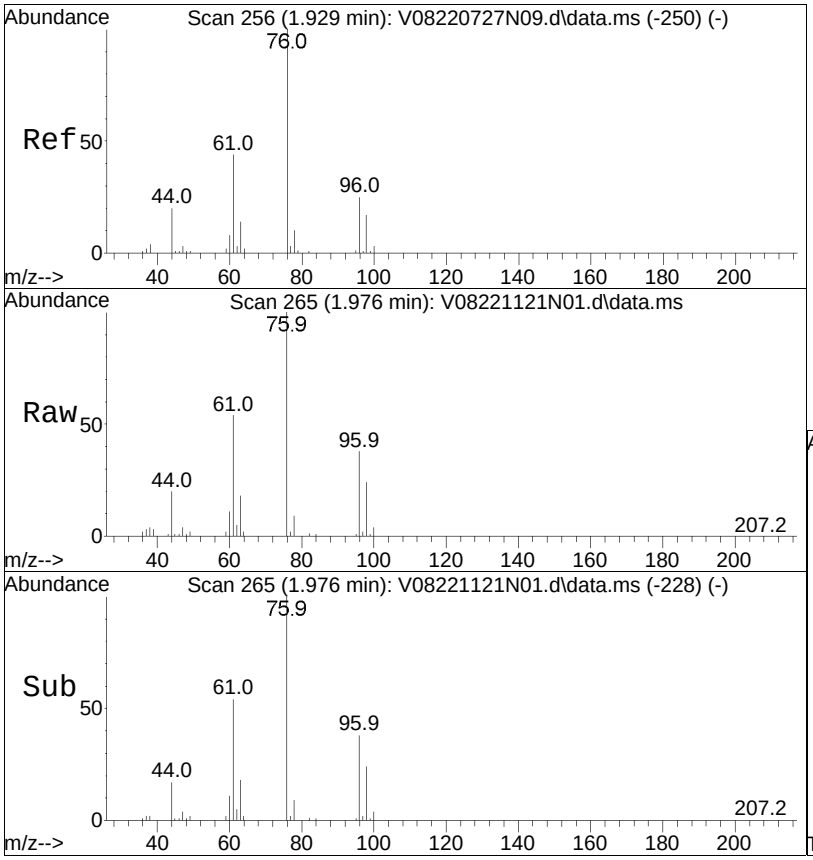


#10
1,1-Dichloroethene
Concen: 9.89 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 96 Resp: 56616

Ion	Ratio	Lower	Upper
96	100		
61	152.0	186.1	279.1#
63	49.0	57.6	86.4#

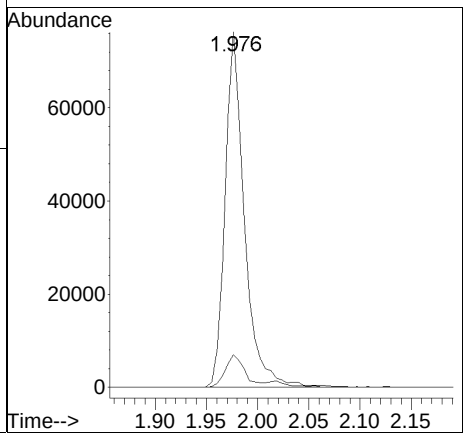


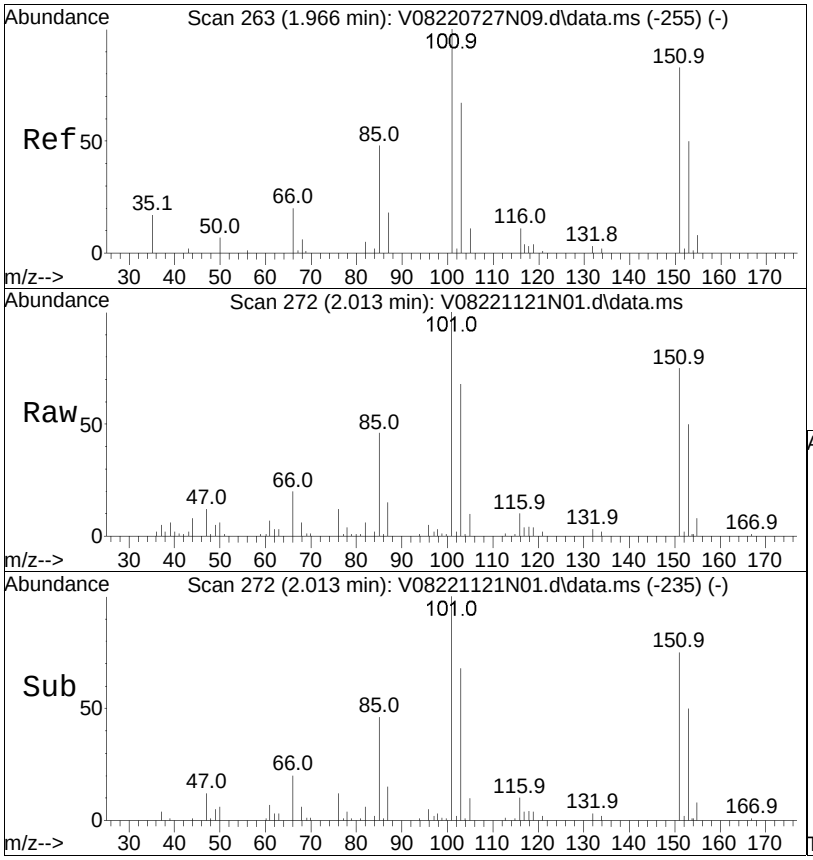


#11
Carbon disulfide
Concen: 10.12 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 76 Resp: 100500

Ion	Ratio	Lower	Upper
76	100		
78	9.1	5.7	11.7

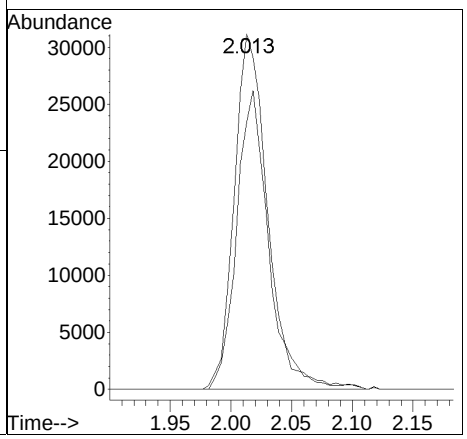


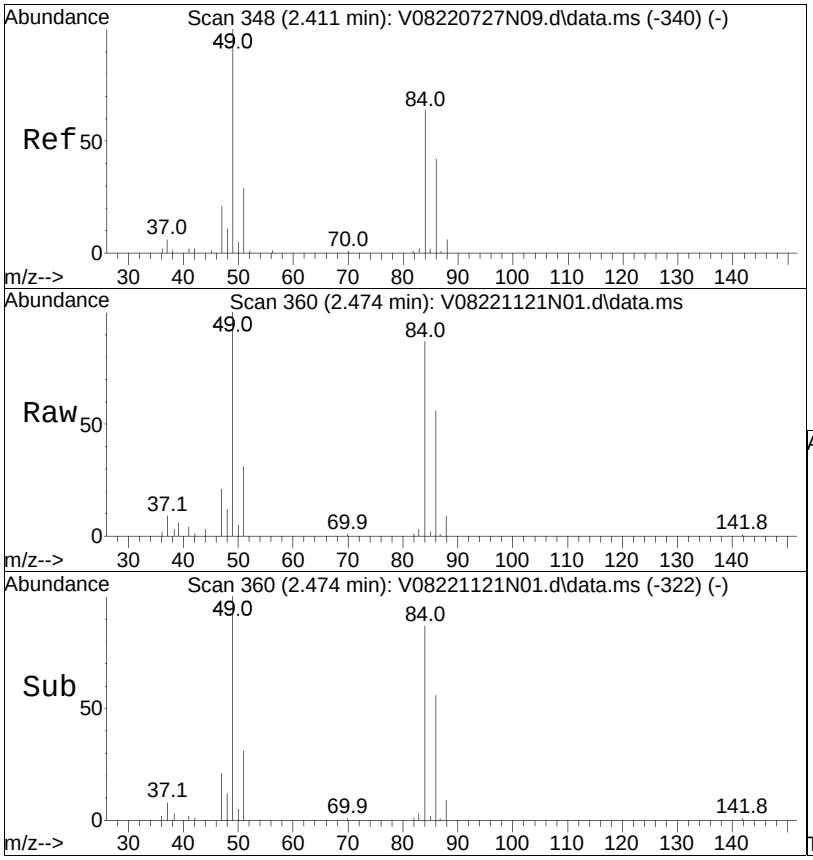


#12
Freon-113
Concen: 10.24 ug/L
RT: 2.013 min Scan# 272
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:101 Resp: 60185

Ion	Ratio	Lower	Upper
101	100		
151	79.3	59.8	89.8

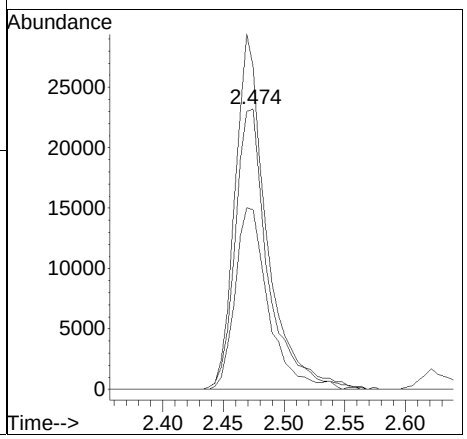


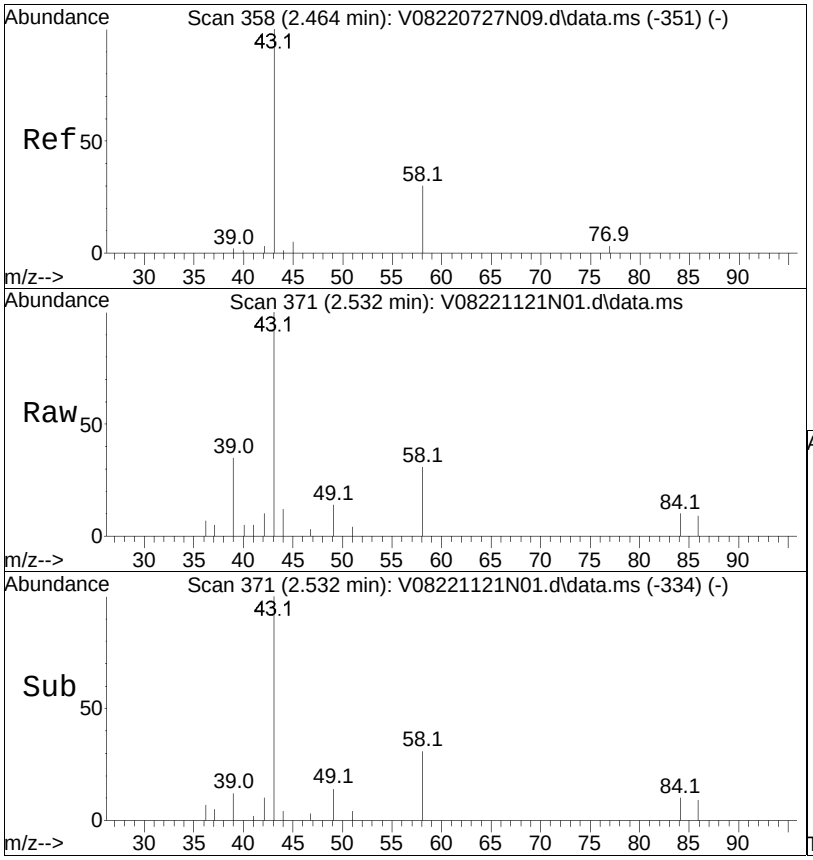


#15
Methylene chloride
Concen: 8.98 ug/L
RT: 2.474 min Scan# 360
Delta R.T. 0.000 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 84 Resp: 43692

Ion	Ratio	Lower	Upper
84	100		
86	66.0	40.4	83.8
49	122.4	120.0	249.2

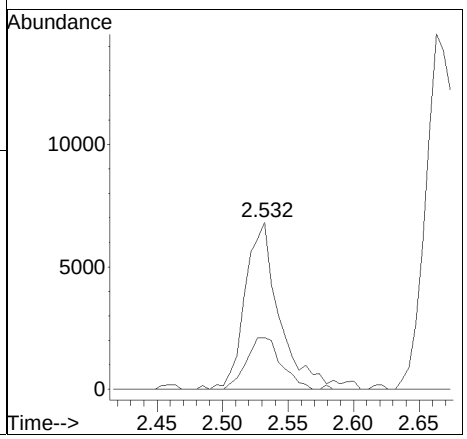


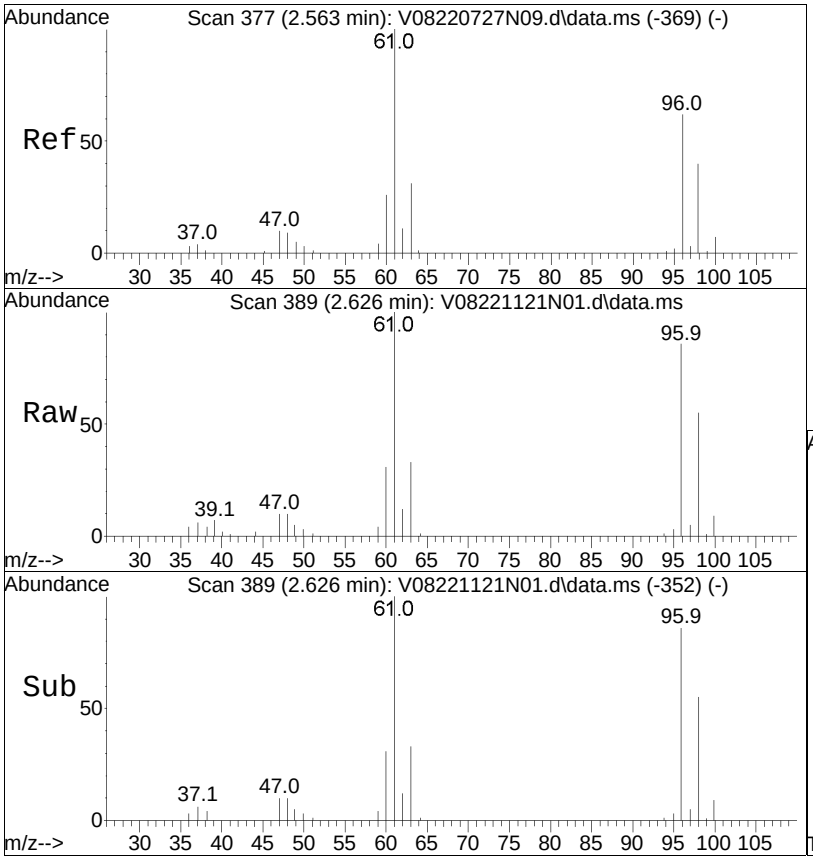


#17
Acetone
Concen: 9.49 ug/L
RT: 2.532 min Scan# 371
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 43 Resp: 12668

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.4

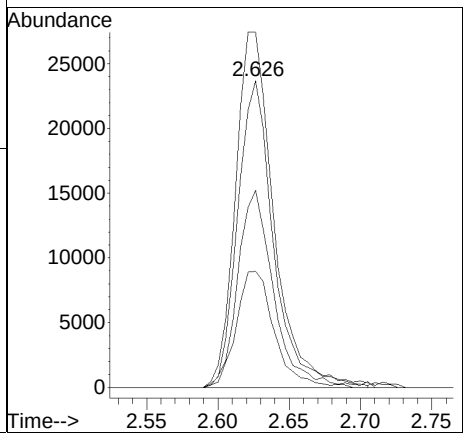


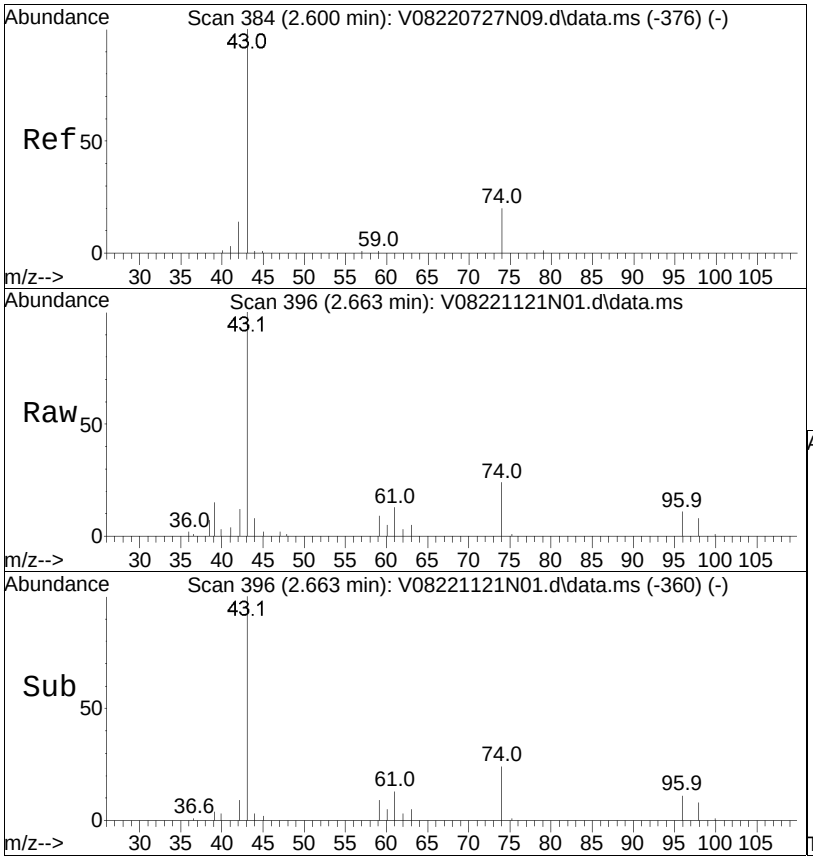


#18
trans-1,2-Dichloroethene
Concen: 8.99 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 96 Resp: 41730

Ion	Ratio	Lower	Upper
96	100		
61	123.5	124.0	257.6#
98	64.3	41.2	85.6
63	39.9	38.4	79.7

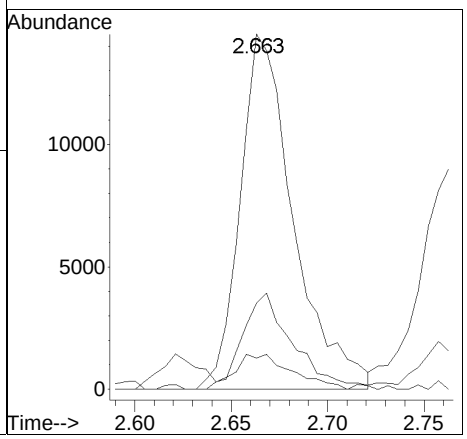


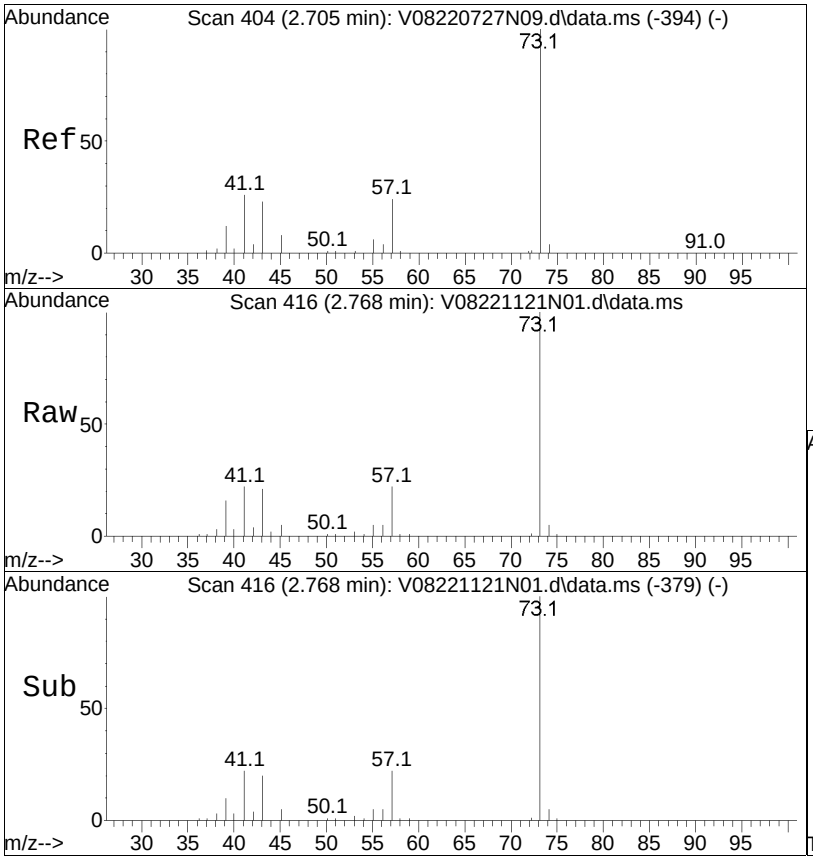


#19
Methyl acetate
Concen: 8.37 ug/L
RT: 2.663 min Scan# 396
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 43 Resp: 27966

Ion	Ratio	Lower	Upper
43	100		
74	25.5	14.2	21.4#
59	10.3	5.0	7.6#

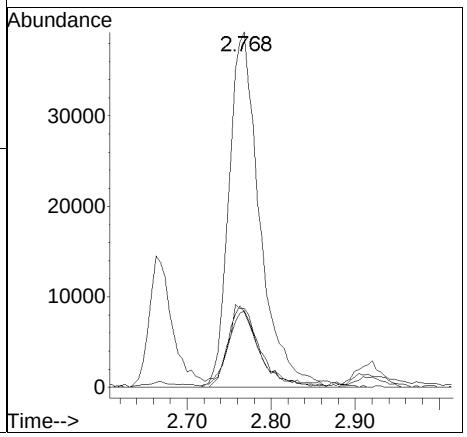


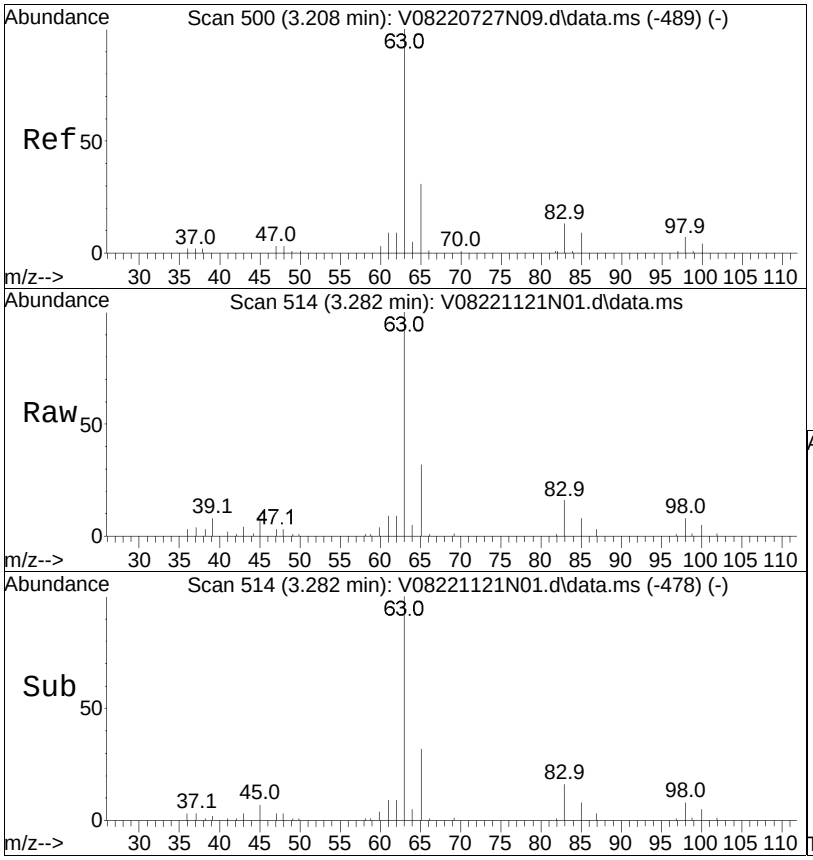


#20
Methyl tert-butyl ether
Concen: 8.12 ug/L
RT: 2.768 min Scan# 416
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 73 Resp: 100938

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.5	36.3
43	22.1	15.3	31.9
41	22.0	15.3	31.7

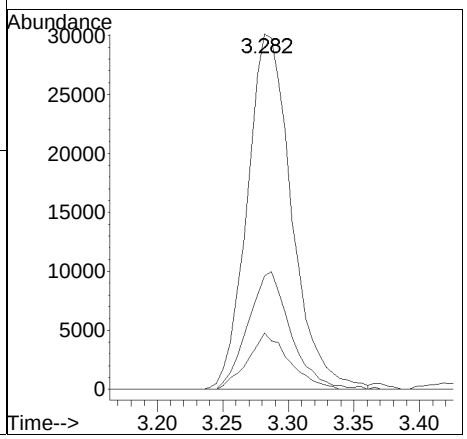


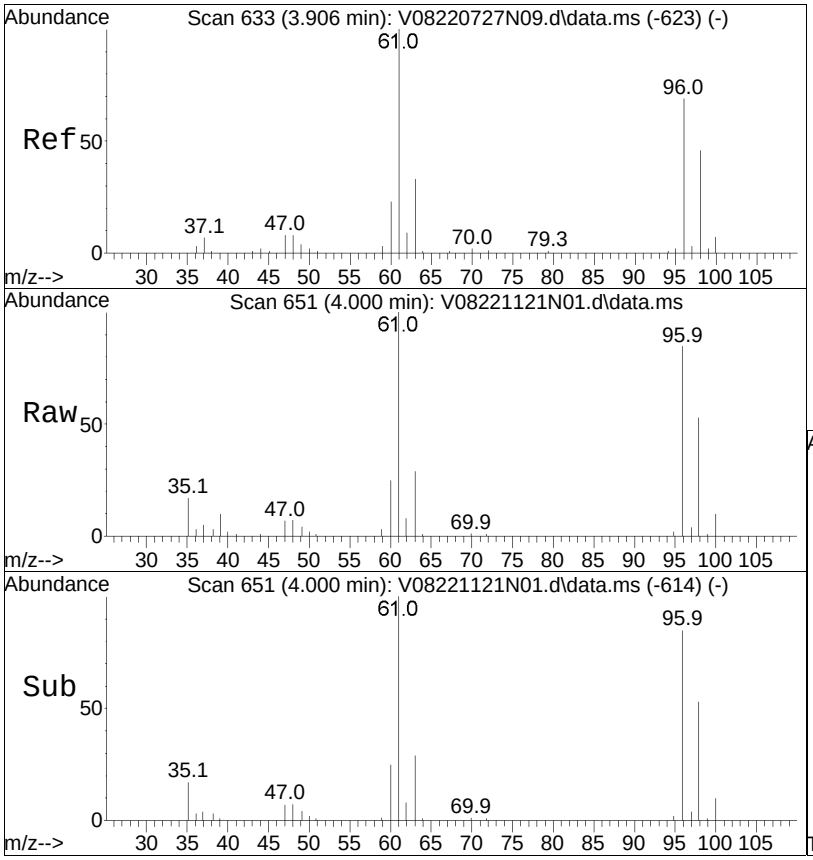


#23
1,1-Dichloroethane
Concen: 9.48 ug/L
RT: 3.282 min Scan# 514
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 63 Resp: 71024

Ion	Ratio	Lower	Upper
63	100		
65	32.0	11.0	51.0
83	14.9	0.0	31.8

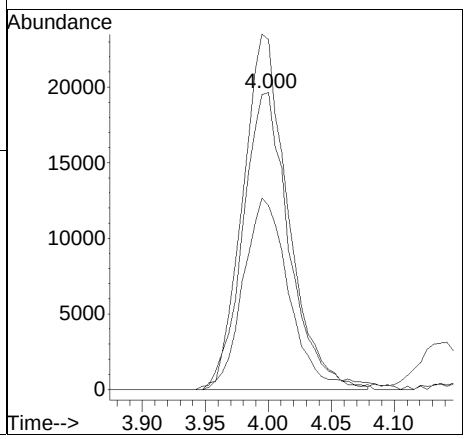


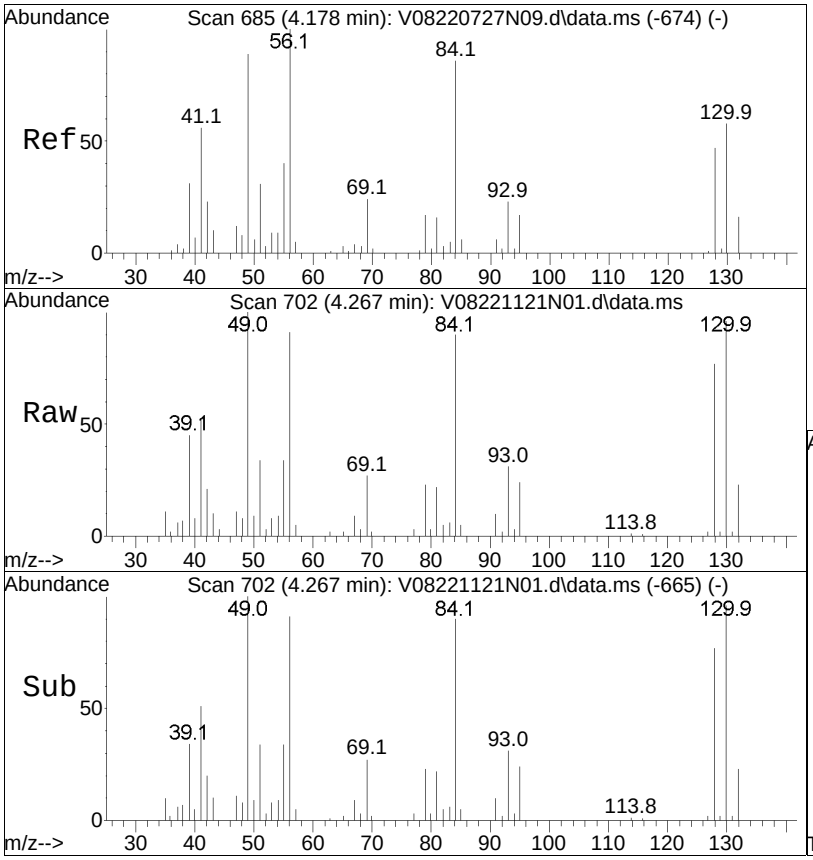


#28
cis-1,2-Dichloroethene
Concen: 9.30 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 96 Resp: 49850

Ion	Ratio	Lower	Upper
96	100		
61	118.6	149.4	224.2#
98	64.1	53.4	80.2

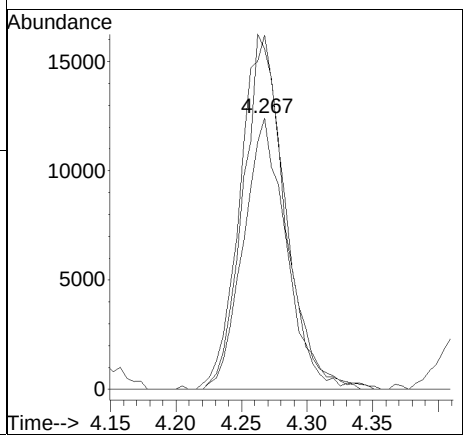


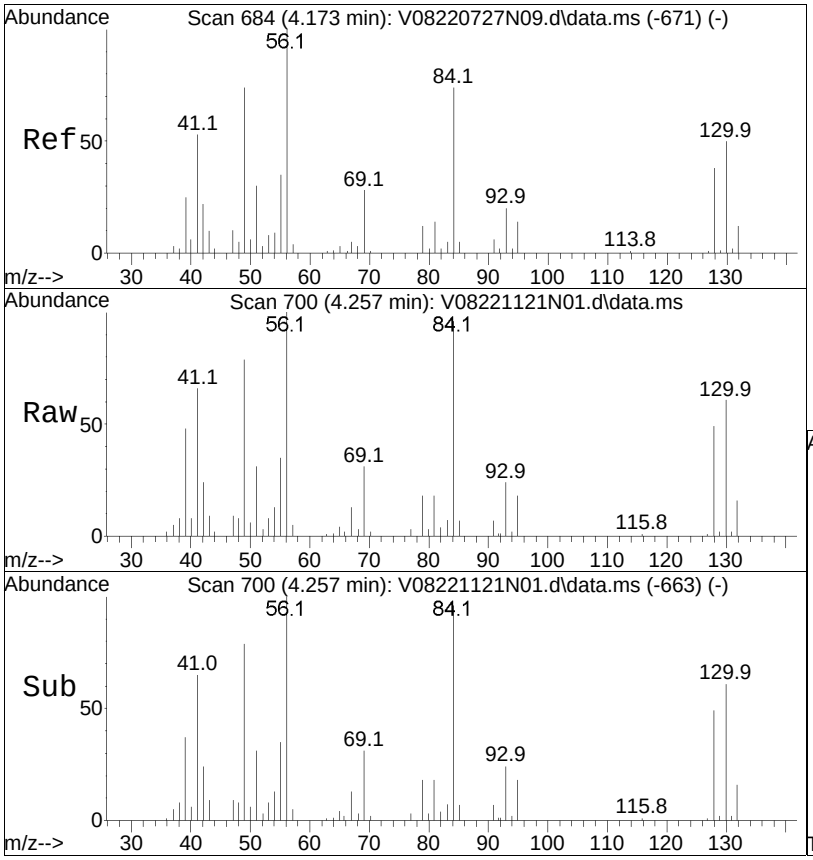


#30
Bromochloromethane
Concen: 9.53 ug/L
RT: 4.267 min Scan# 702
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:128 Resp: 28231

Ion	Ratio	Lower	Upper
128	100		
49	137.2	223.0	334.4#
130	130.3	111.4	167.0

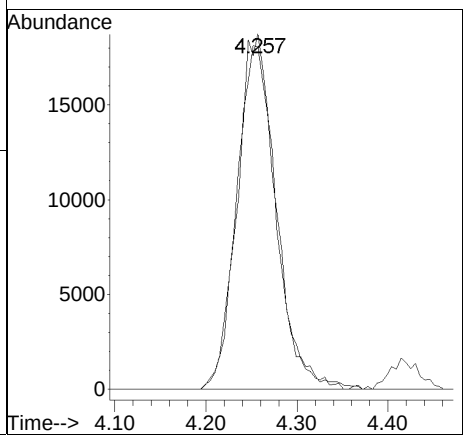


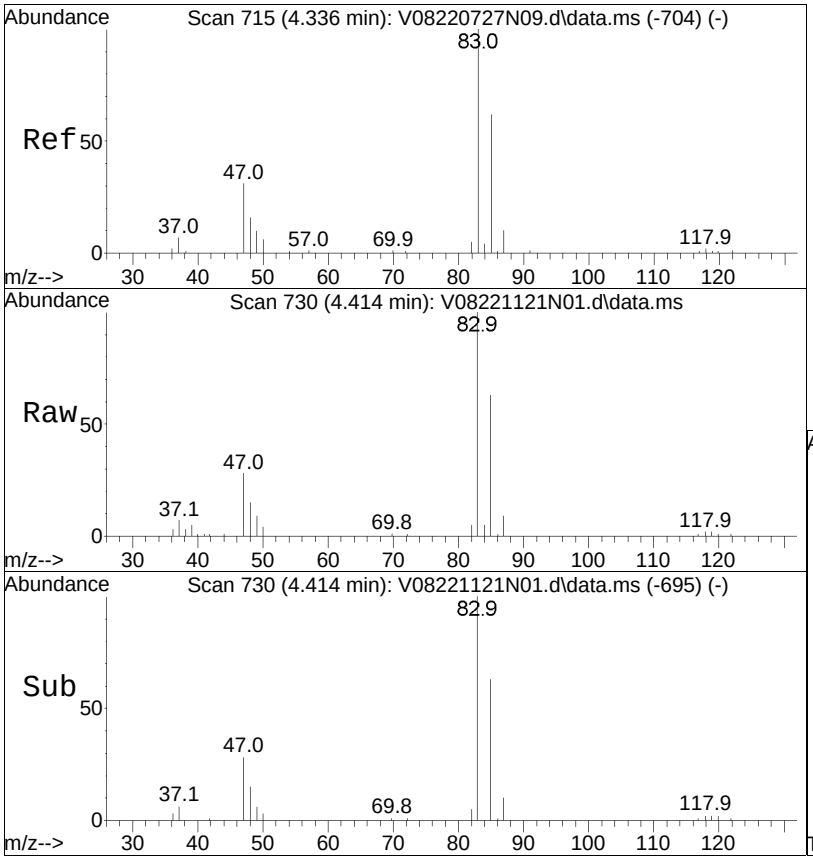


#31
Cyclohexane
Concen: 8.73 ug/L
RT: 4.257 min Scan# 700
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 56 Resp: 56233

Ion	Ratio	Lower	Upper
56	100		
84	95.9	38.4	79.8#

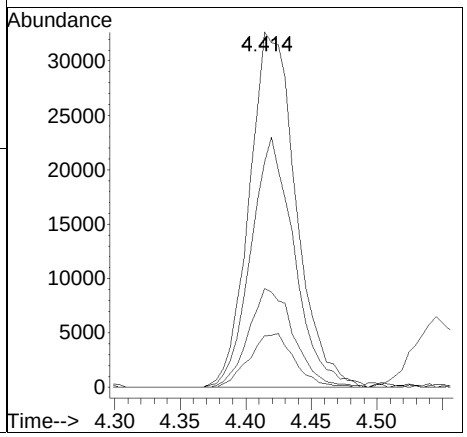


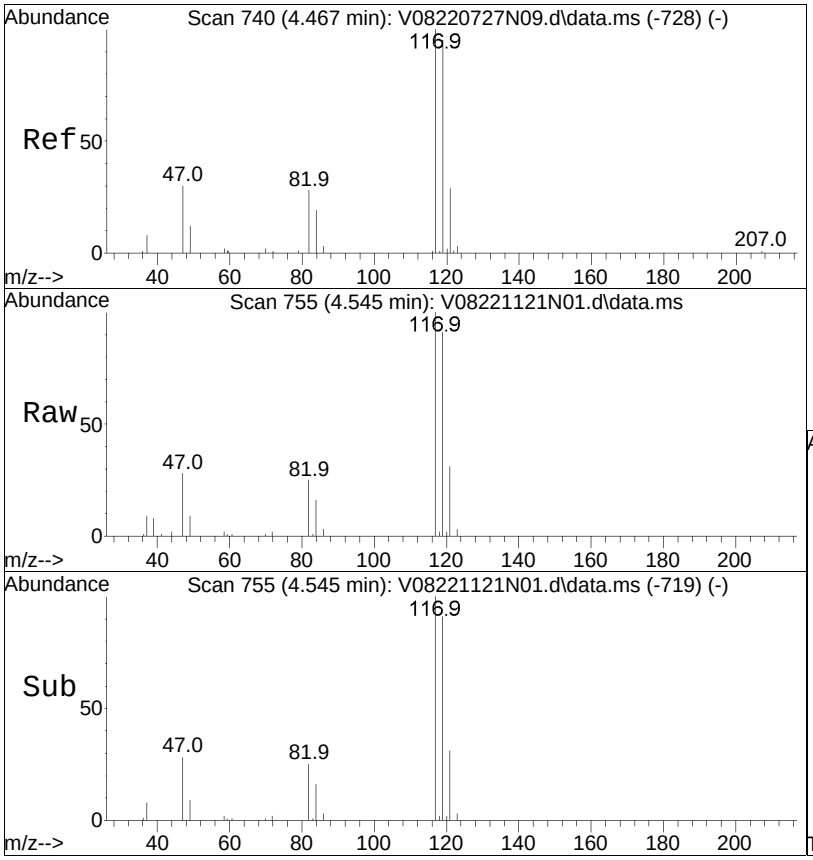


#32
Chloroform
Concen: 9.48 ug/L
RT: 4.414 min Scan# 730
Delta R.T. -0.016 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 83 Resp: 81127

Ion	Ratio	Lower	Upper
83	100		
85	65.6	41.5	86.1
47	27.1	19.0	39.4
48	14.7	9.9	20.5

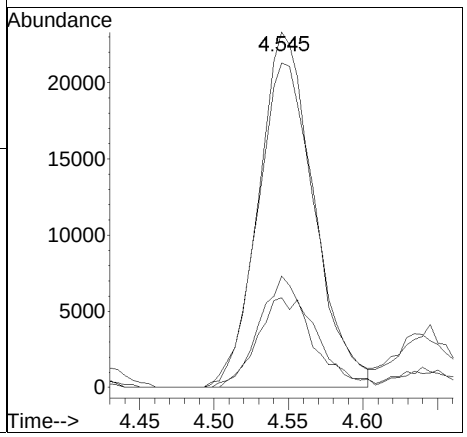


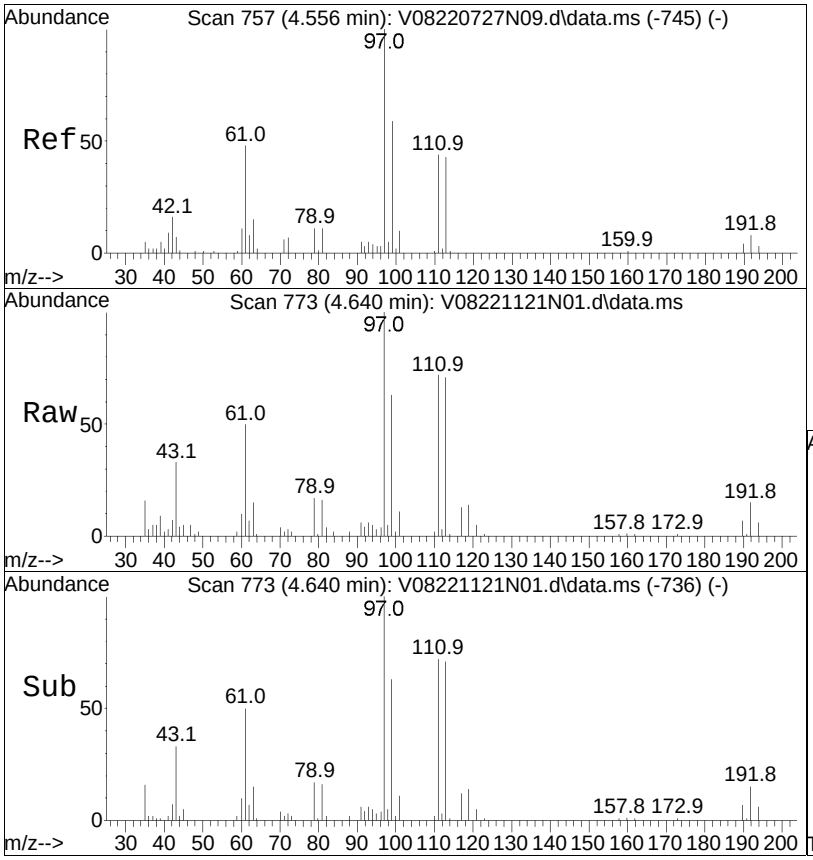


#34
Carbon tetrachloride
Concen: 8.86 ug/L
RT: 4.545 min Scan# 755
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:117 Resp: 60023

Ion	Ratio	Lower	Upper
117	100		
119	95.3	62.4	129.6
121	31.0	19.5	40.5
82	26.2	17.0	35.4

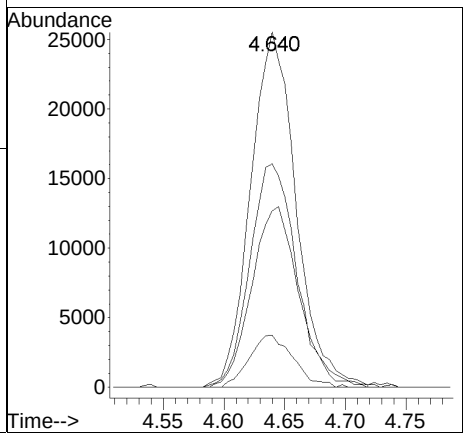


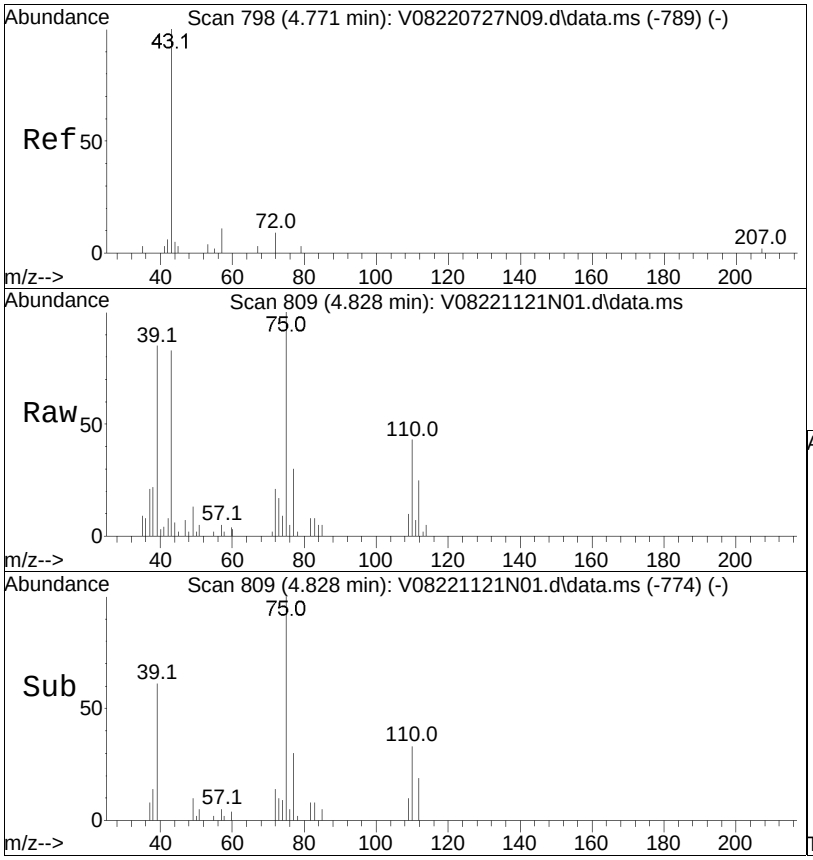


#37
1,1,1-Trichloroethane
Concen: 8.90 ug/L
RT: 4.640 min Scan# 773
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 97 Resp: 66683

Ion	Ratio	Lower	Upper
97	100		
99	64.4	40.7	84.5
61	53.6	35.4	73.4
63	14.3	5.0	10.4#

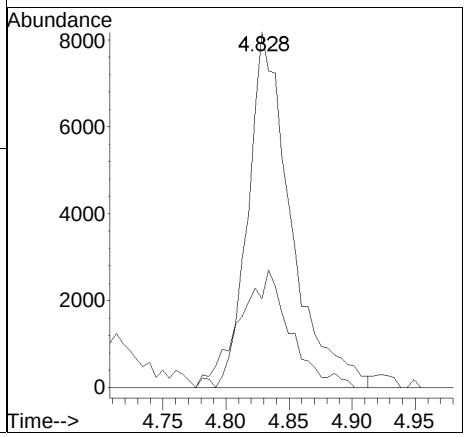


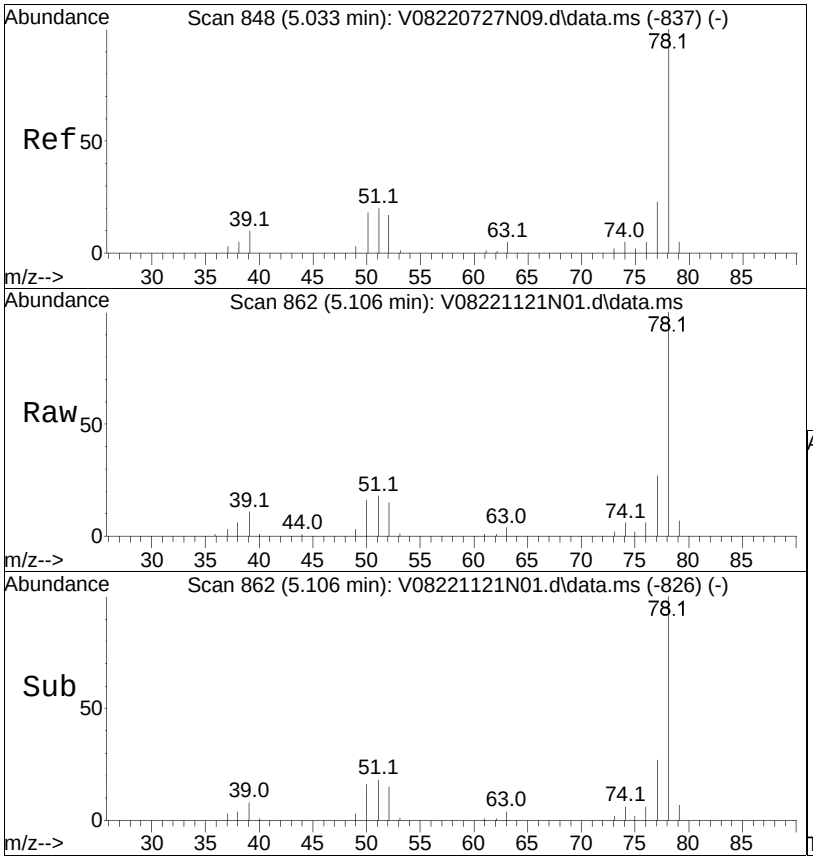


#39
2-Butanone
Concen: 8.70 ug/L
RT: 4.828 min Scan# 809
Delta R.T. -0.016 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 43 Resp: 19311

Ion	Ratio	Lower	Upper
43	100		
72	38.4	10.9	16.3#

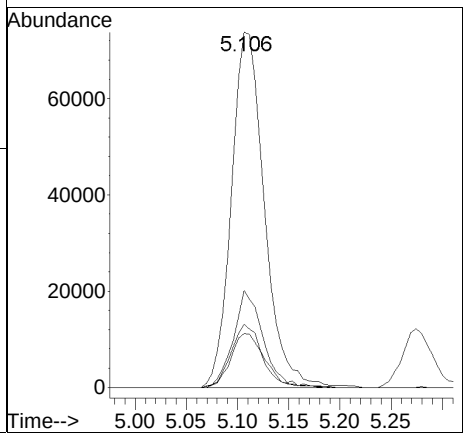


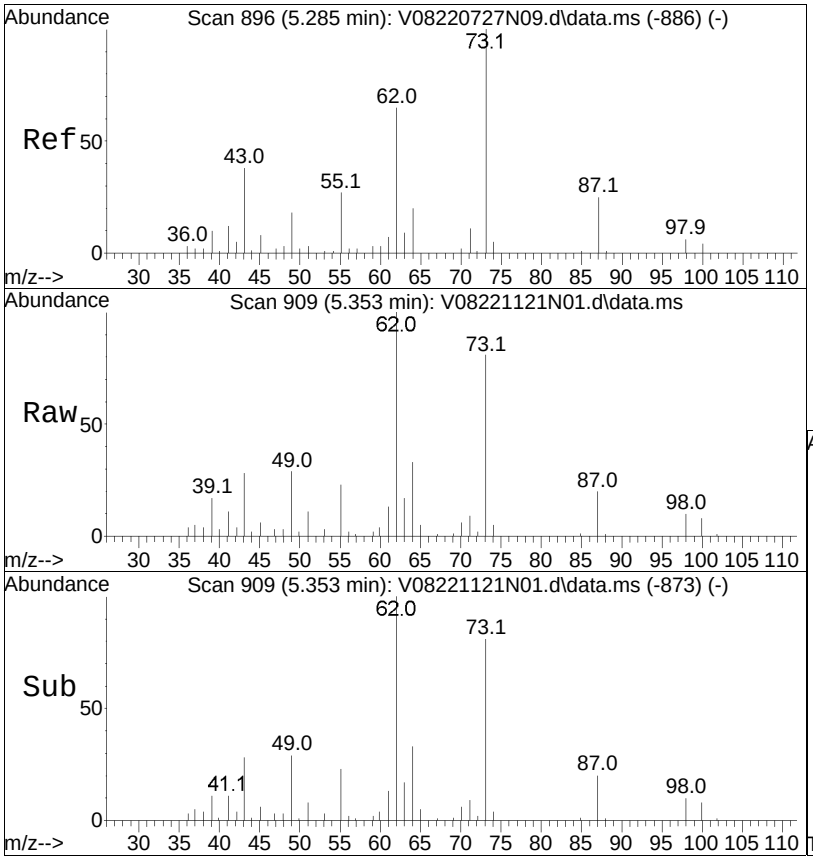


#41
Benzene
Concen: 9.24 ug/L
RT: 5.106 min Scan# 862
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 78 Resp: 165301

Ion	Ratio	Lower	Upper
78	100		
77	24.6	15.7	32.7
51	17.2	16.0	33.2
52	15.2	15.3	31.9#

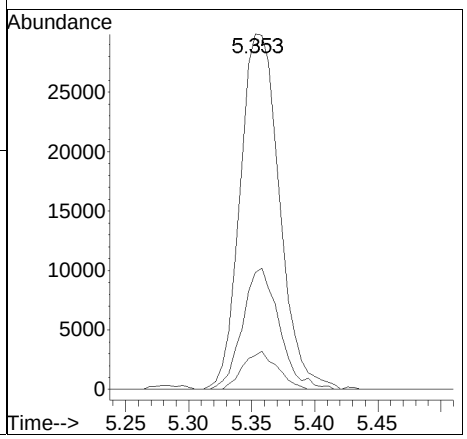


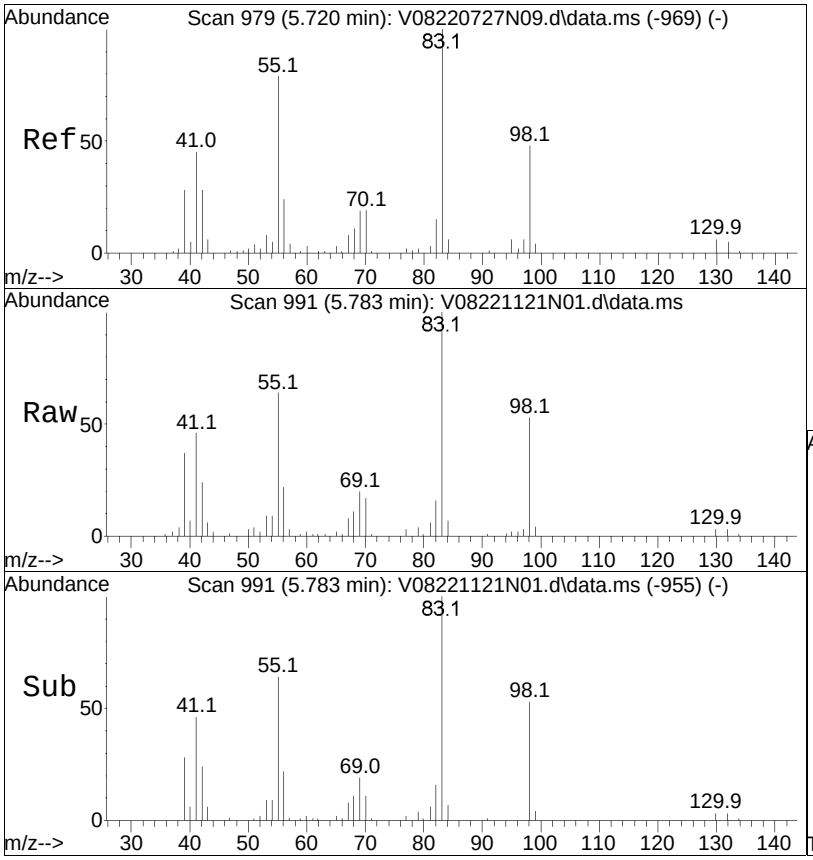


#44
1,2-Dichloroethane
Concen: 9.73 ug/L
RT: 5.353 min Scan# 909
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 62 Resp: 64988

Ion	Ratio	Lower	Upper
62	100		
64	31.9	11.2	51.2
98	9.4	0.0	26.1

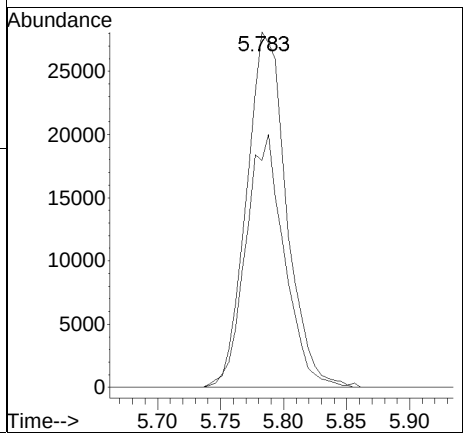


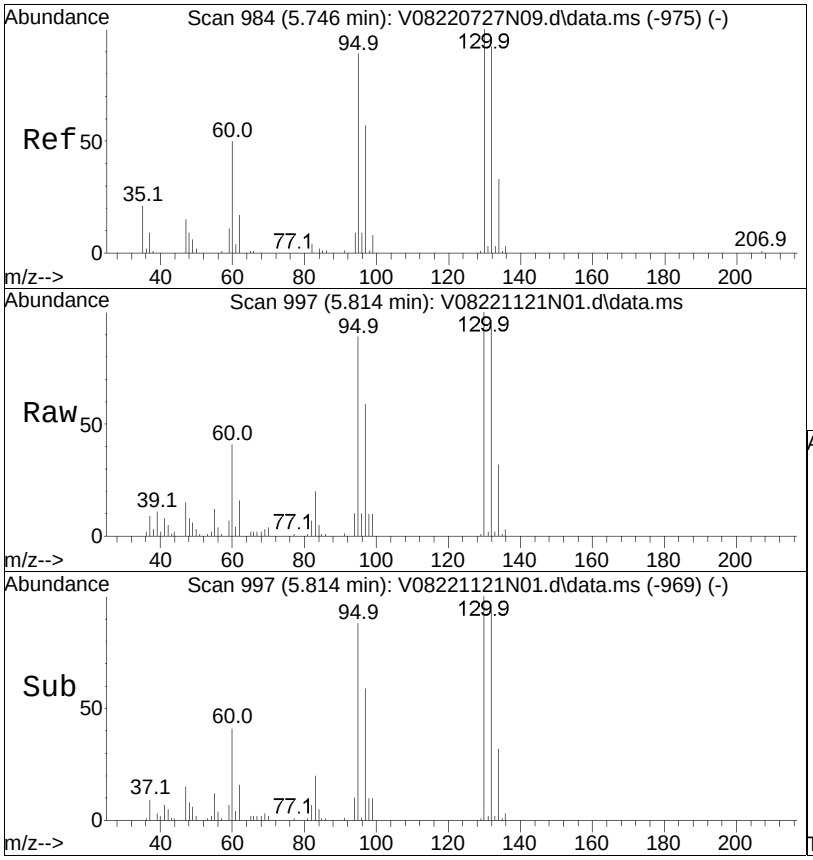


#47
Methyl cyclohexane
Concen: 8.33 ug/L
RT: 5.783 min Scan# 991
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 83 Resp: 62185

Ion	Ratio	Lower	Upper
83	100		
55	68.6	88.3	132.5#

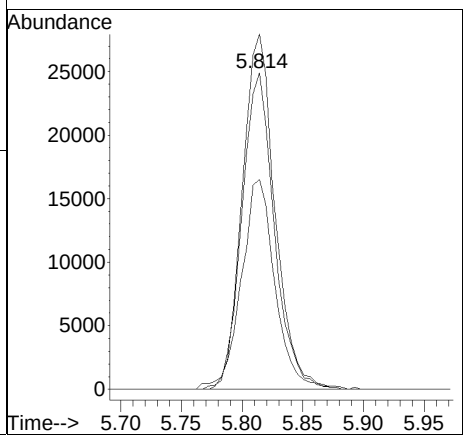


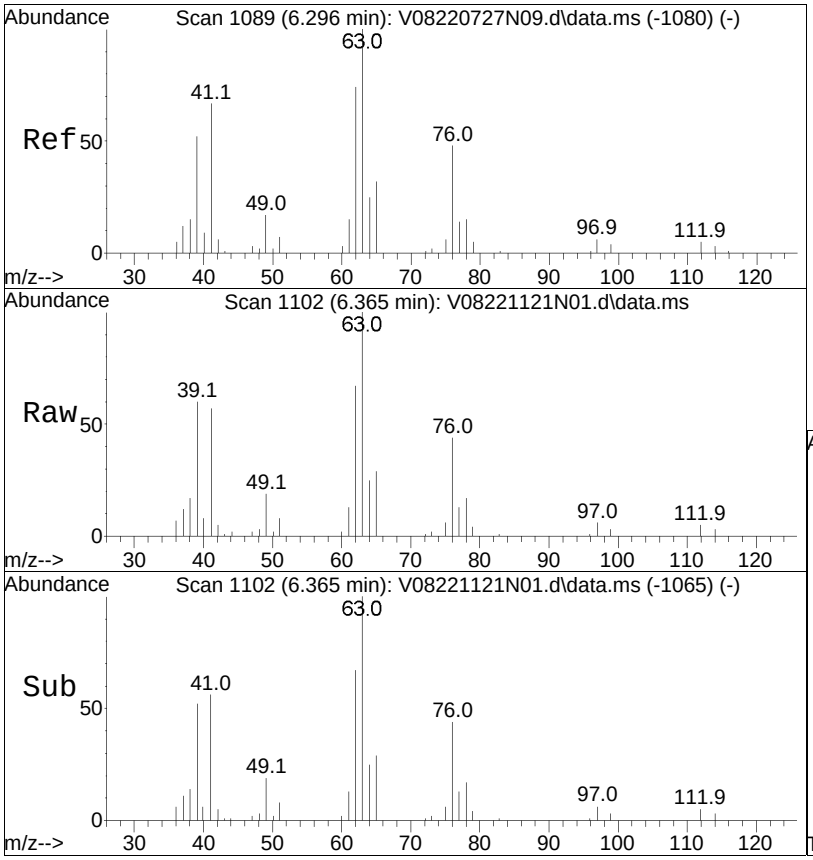


#48
Trichloroethene
Concen: 8.95 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 95 Resp: 46544

Ion	Ratio	Lower	Upper
95	100		
97	68.5	55.5	83.3
130	112.7	76.6	115.0

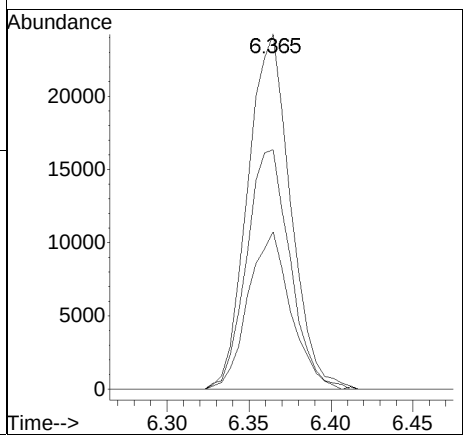


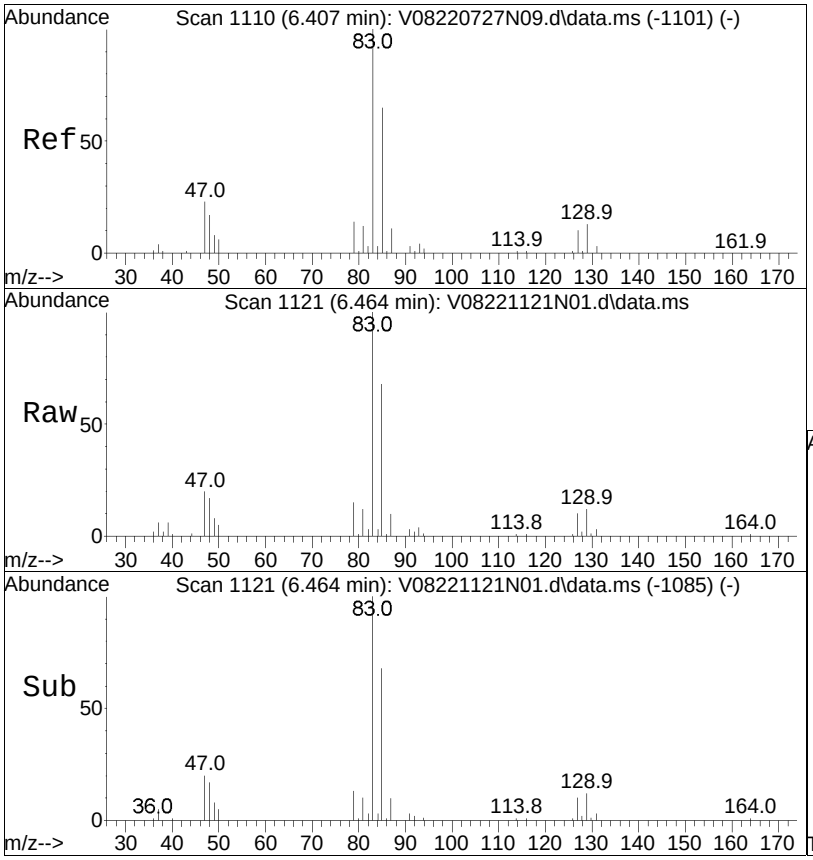


#51
1,2-Dichloropropane
Concen: 9.76 ug/L
RT: 6.365 min Scan# 1102
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 63 Resp: 44120

Ion	Ratio	Lower	Upper
63	100		
62	68.4	58.6	87.8
76	44.2	38.0	57.0

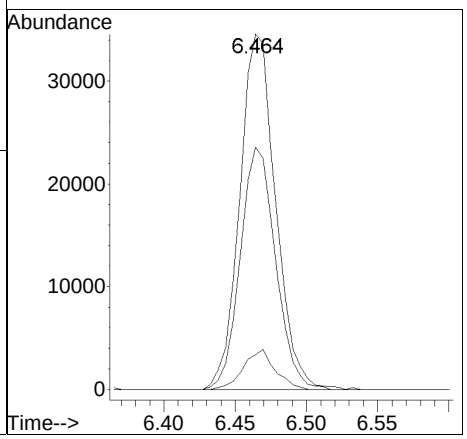


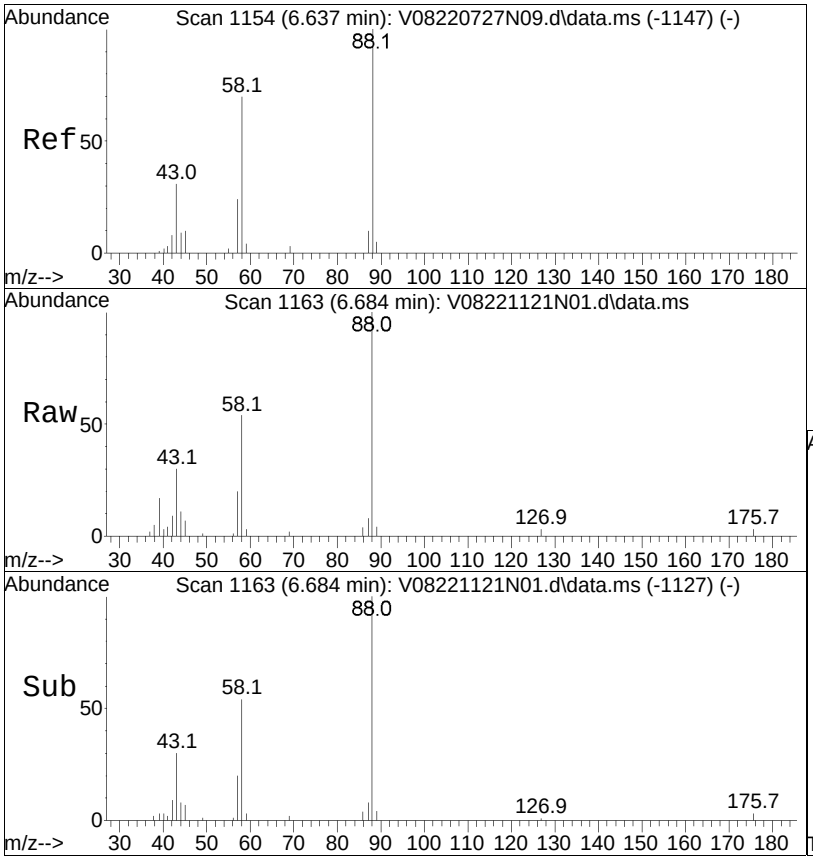


#54
Bromodichloromethane
Concen: 8.97 ug/L
RT: 6.464 min Scan# 1121
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 83 Resp: 60597

Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.3	78.5
127	9.9	6.2	9.4#

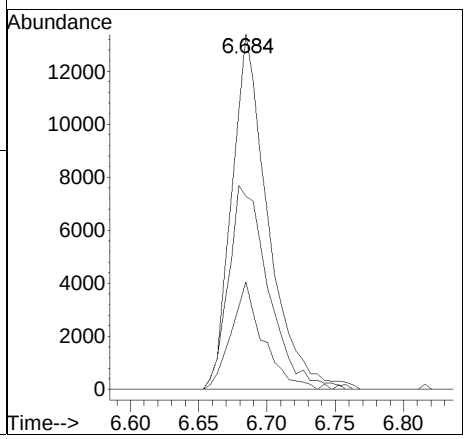


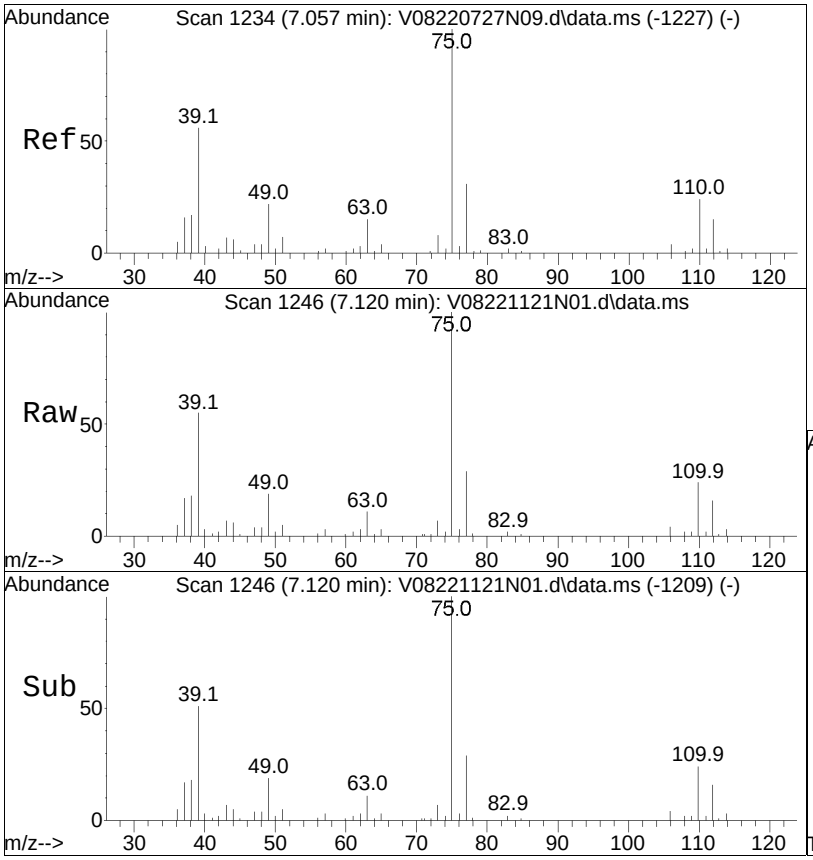


#57
1,4-Dioxane
Concen: 472.16 ug/L
RT: 6.684 min Scan# 1163
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 88 Resp: 24839

Ion	Ratio	Lower	Upper
88	100		
58	63.2	76.7	115.1#
43	26.6	36.2	54.2#

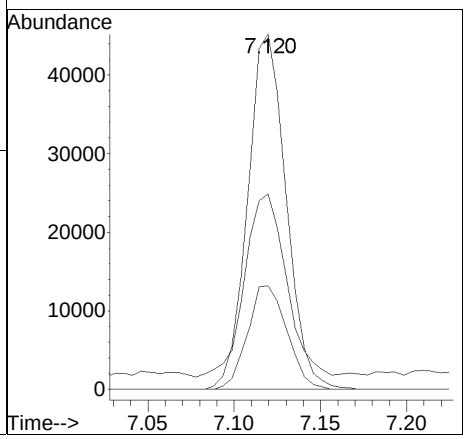


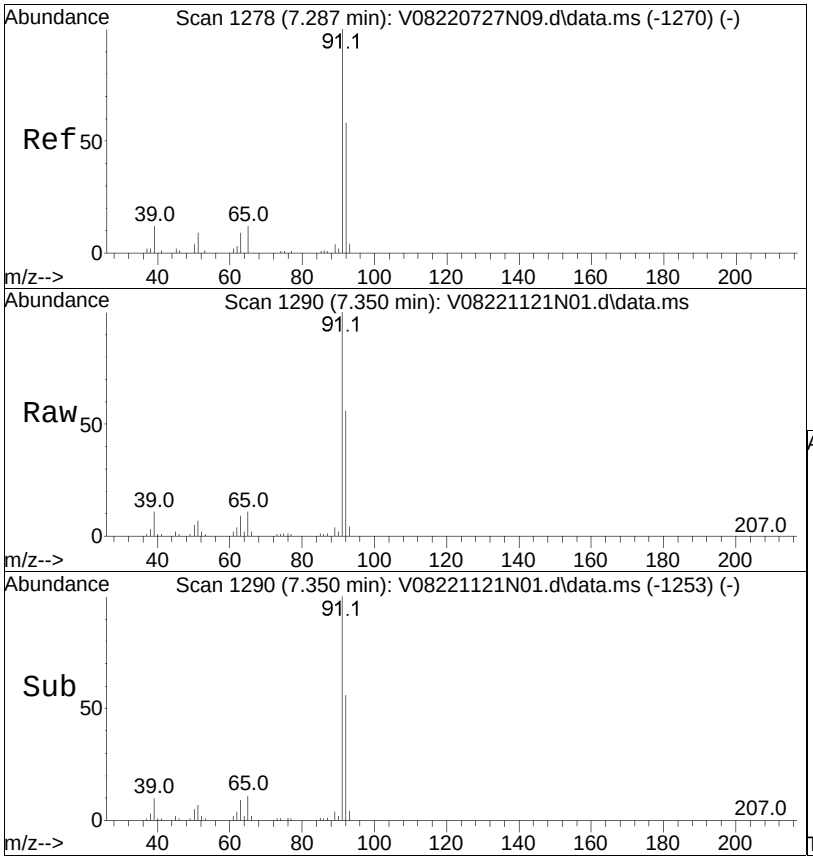


#58
cis-1,3-Dichloropropene
Concen: 8.80 ug/L
RT: 7.120 min Scan# 1246
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 75 Resp: 70049

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.0	37.4
39	55.7	50.1	75.1

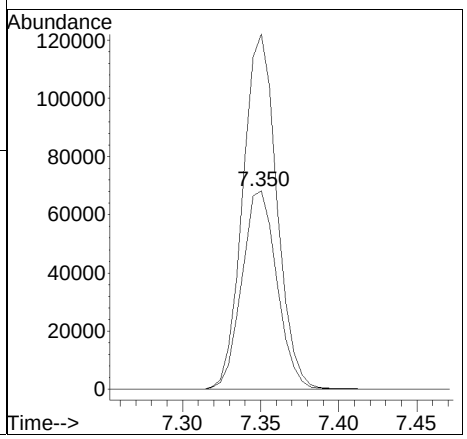


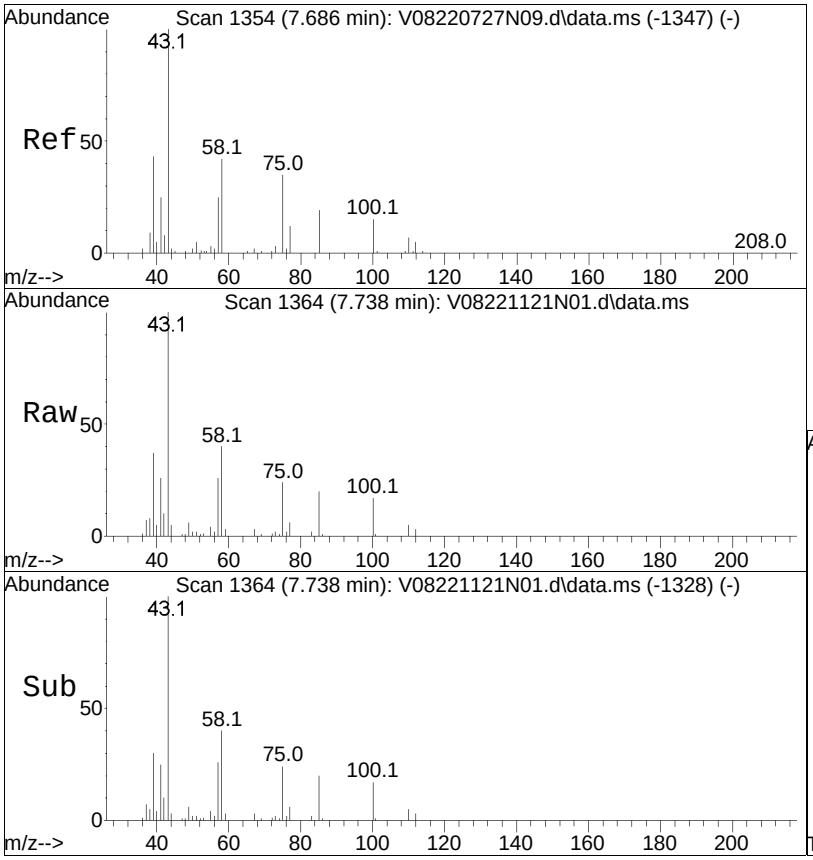


#61
Toluene
Concen: 8.88 ug/L
RT: 7.350 min Scan# 1290
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 92 Resp: 106651

Ion	Ratio	Lower	Upper
92	100		
91	173.8	139.8	209.6

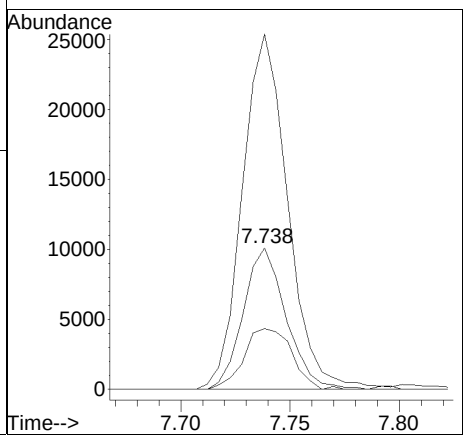


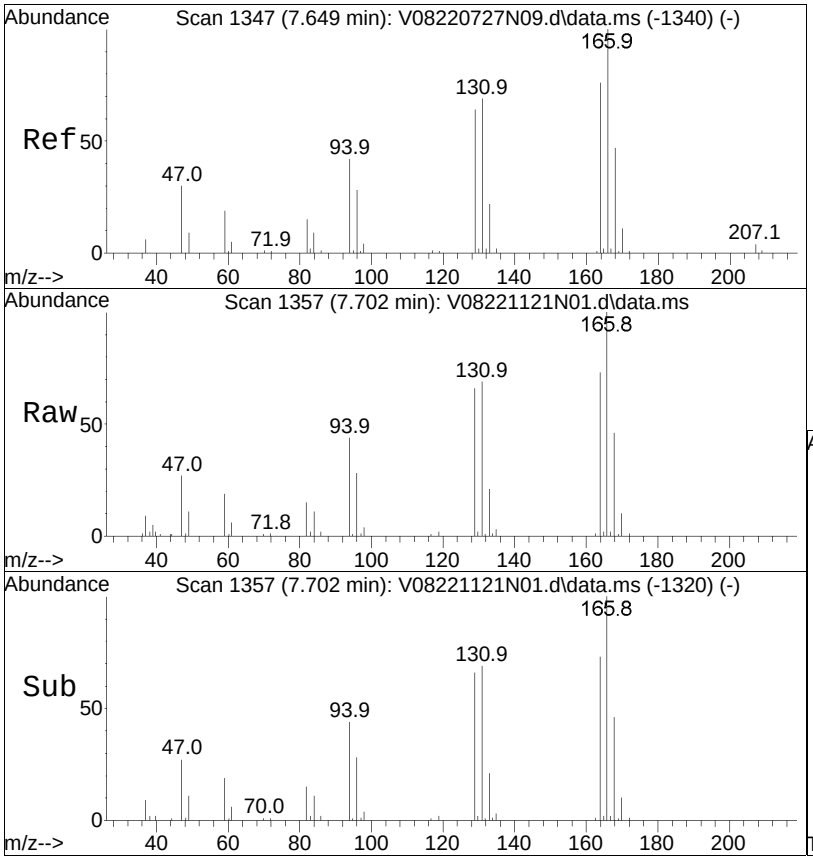


#62
4-Methyl-2-pentanone
Concen: 7.91 ug/L
RT: 7.738 min Scan# 1364
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 58 Resp: 13796

Ion	Ratio	Lower	Upper
58	100		
100	48.2	20.2	30.2#
43	266.1	196.6	295.0

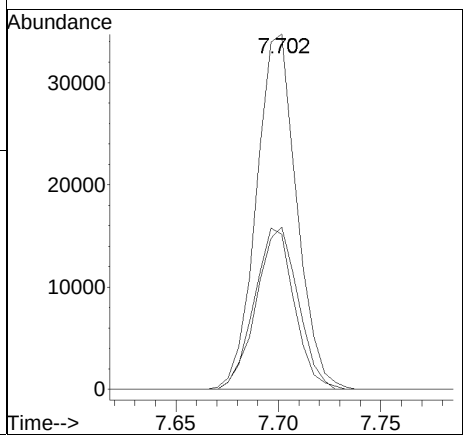


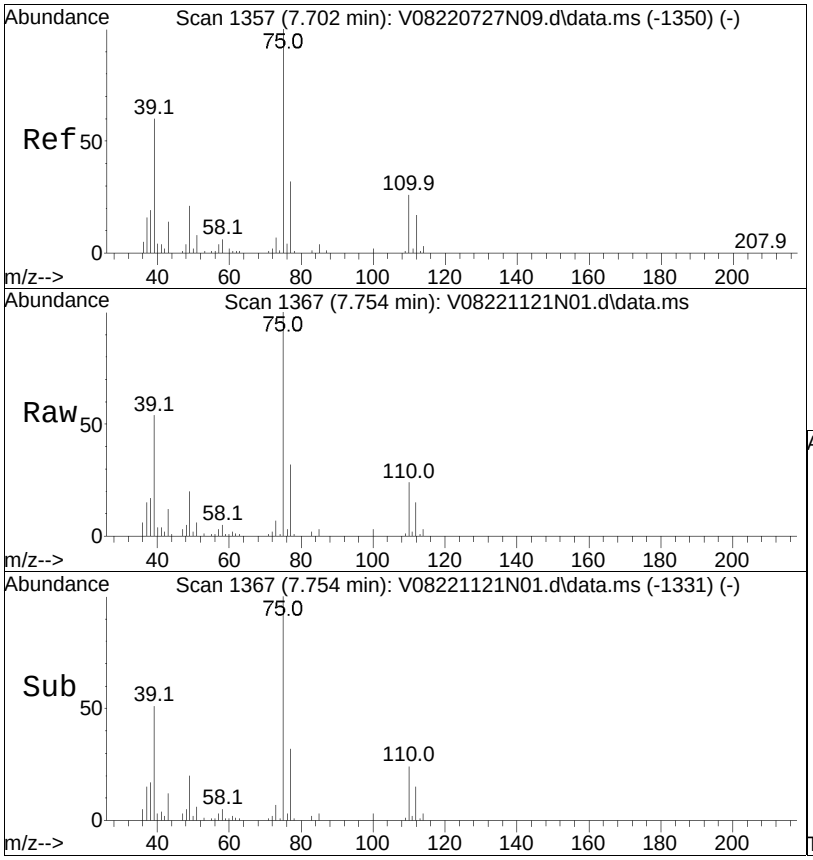


#63
Tetrachloroethene
Concen: 8.30 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:166 Resp: 47598

Ion	Ratio	Lower	Upper
166	100		
168	47.0	28.2	68.2
94	45.1	38.4	78.4

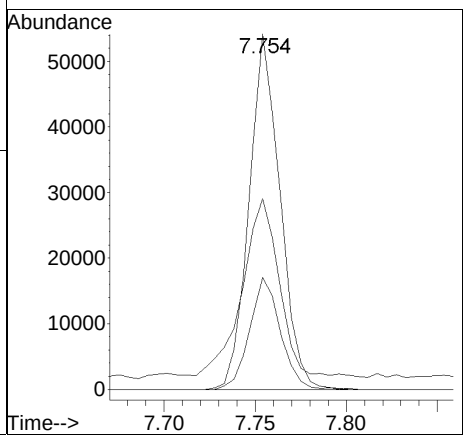


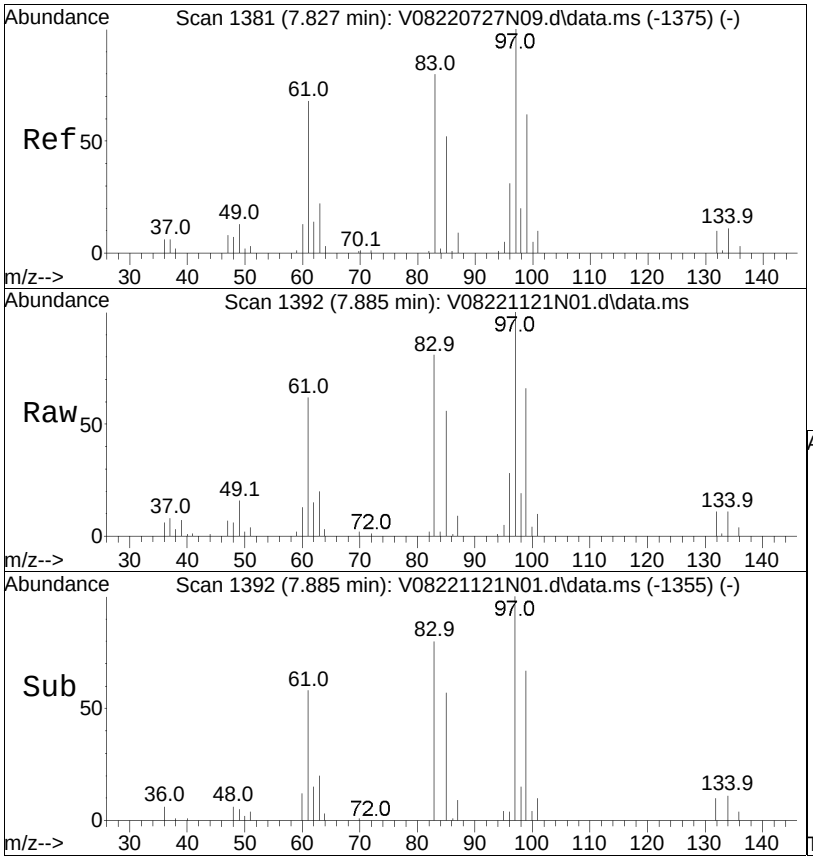


#65
trans-1,3-Dichloropropene
Concen: 8.56 ug/L
RT: 7.754 min Scan# 1367
Delta R.T. -0.010 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 75 Resp: 63993

Ion	Ratio	Lower	Upper
75	100		
77	31.4	12.4	52.4
39	61.2	42.8	82.8

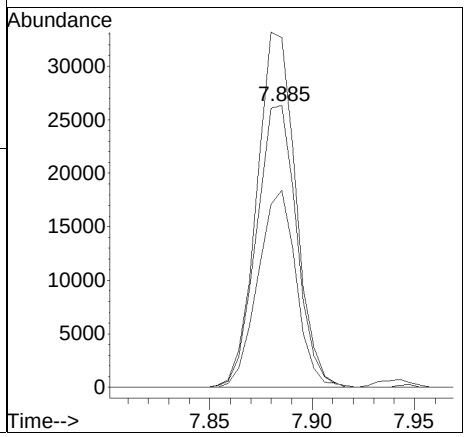


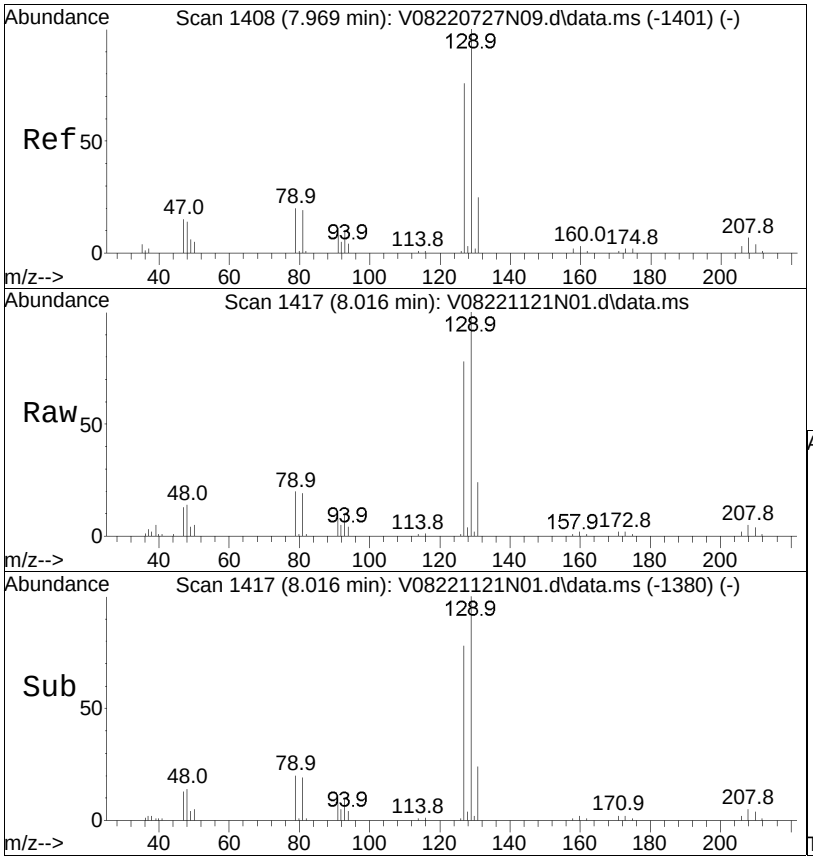


#68
1,1,2-Trichloroethane
Concen: 9.45 ug/L
RT: 7.885 min Scan# 1392
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 83 Resp: 35887

Ion	Ratio	Lower	Upper
83	100		
97	122.4	89.8	129.8
85	66.5	44.4	84.4

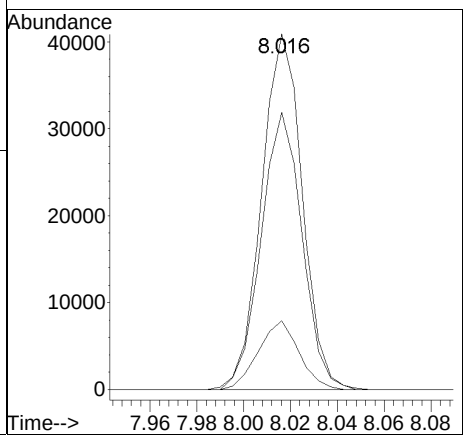


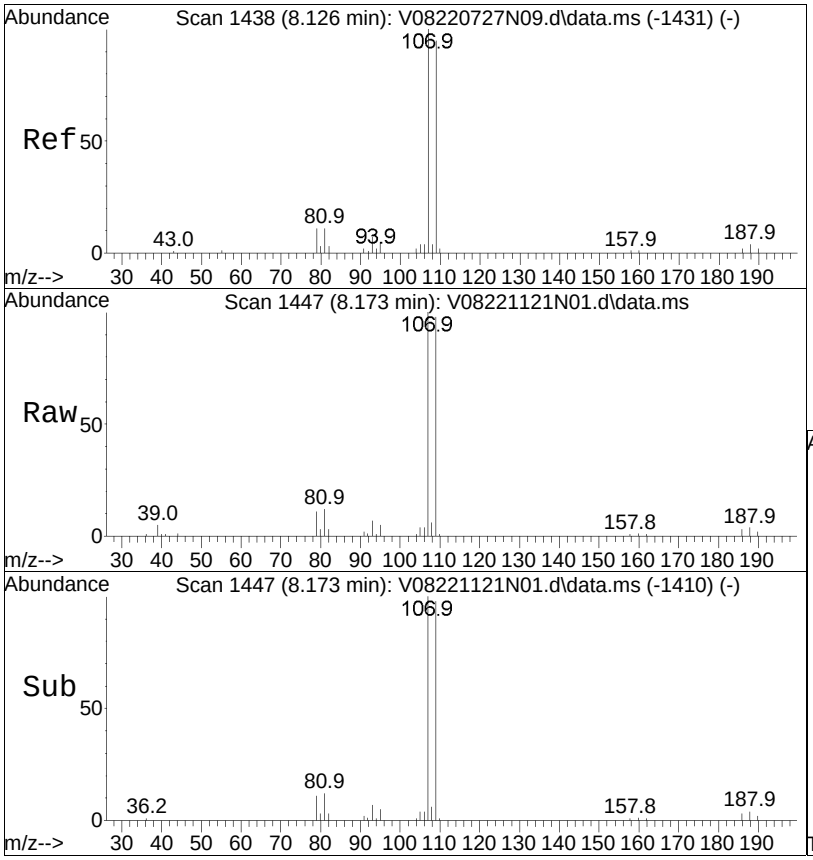


#69
Chlorodibromomethane
Concen: 8.37 ug/L
RT: 8.016 min Scan# 1417
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:129 Resp: 49386

Ion	Ratio	Lower	Upper
129	100		
81	19.3	2.9	42.9
127	78.6	57.8	97.8

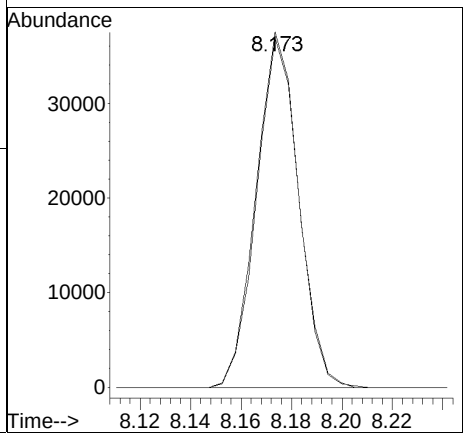


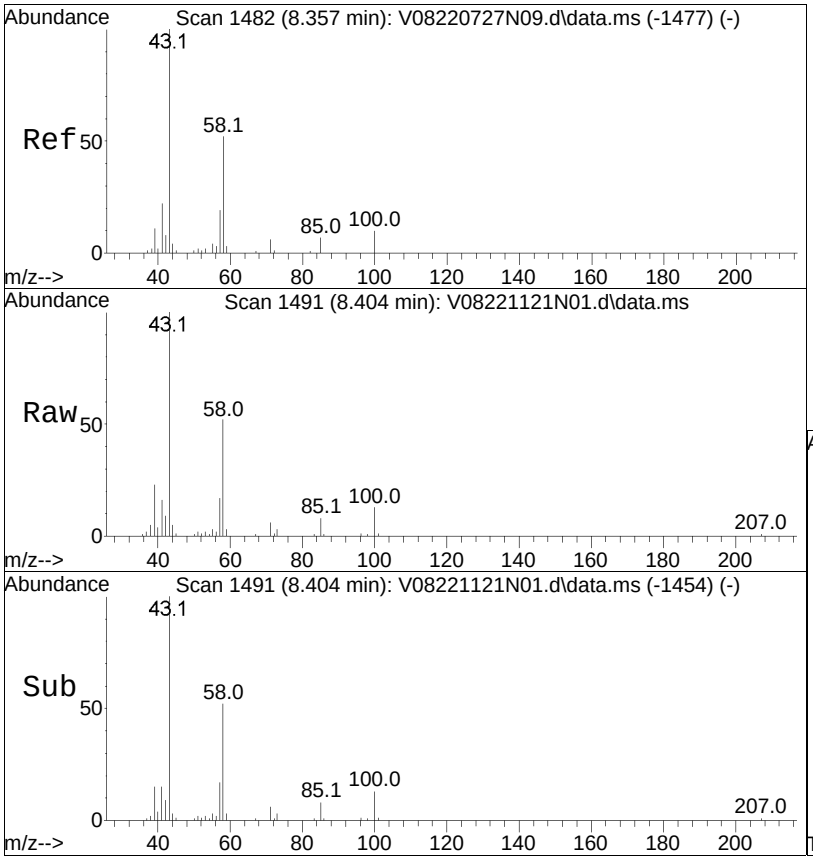


#71
1,2-Dibromoethane
Concen: 8.58 ug/L
RT: 8.173 min Scan# 1447
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:107 Resp: 43947

Ion	Ratio	Lower	Upper
107	100		
109	97.2	74.3	111.5

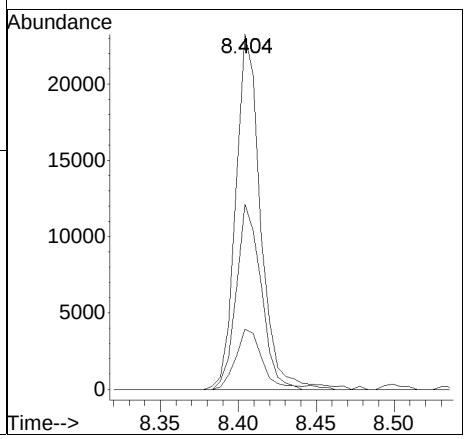


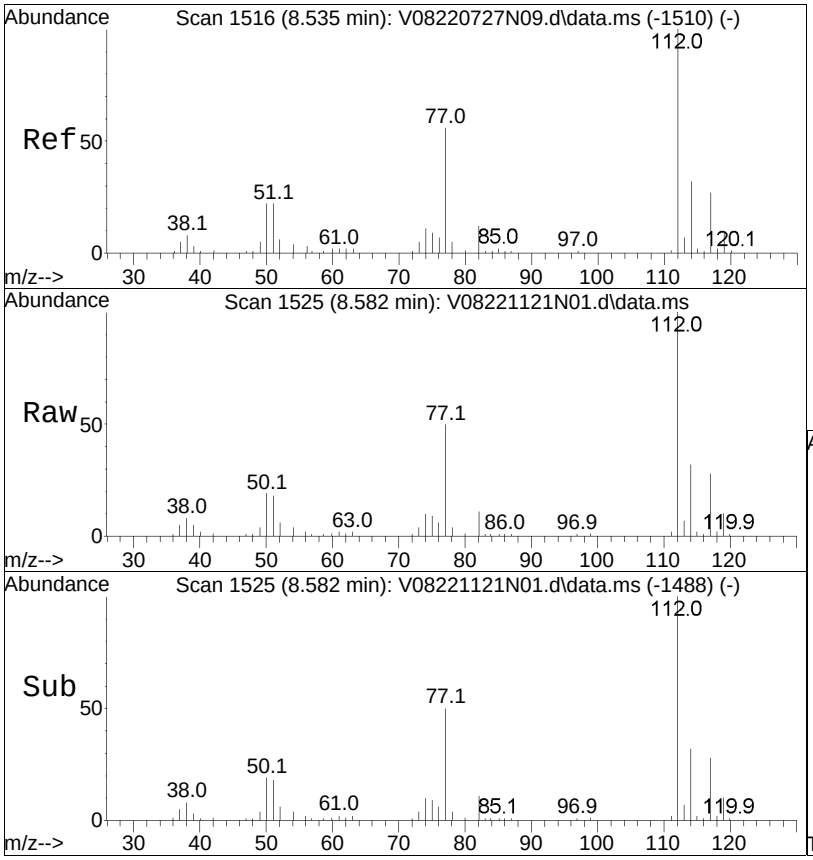


#72
2-Hexanone
Concen: 7.56 ug/L
RT: 8.404 min Scan# 1491
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 43 Resp: 25899

Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.2	61.8
57	17.8	17.2	25.8

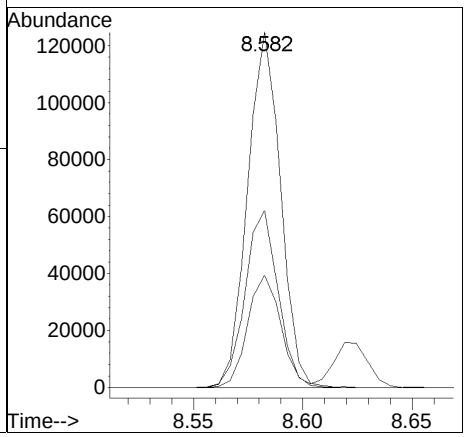


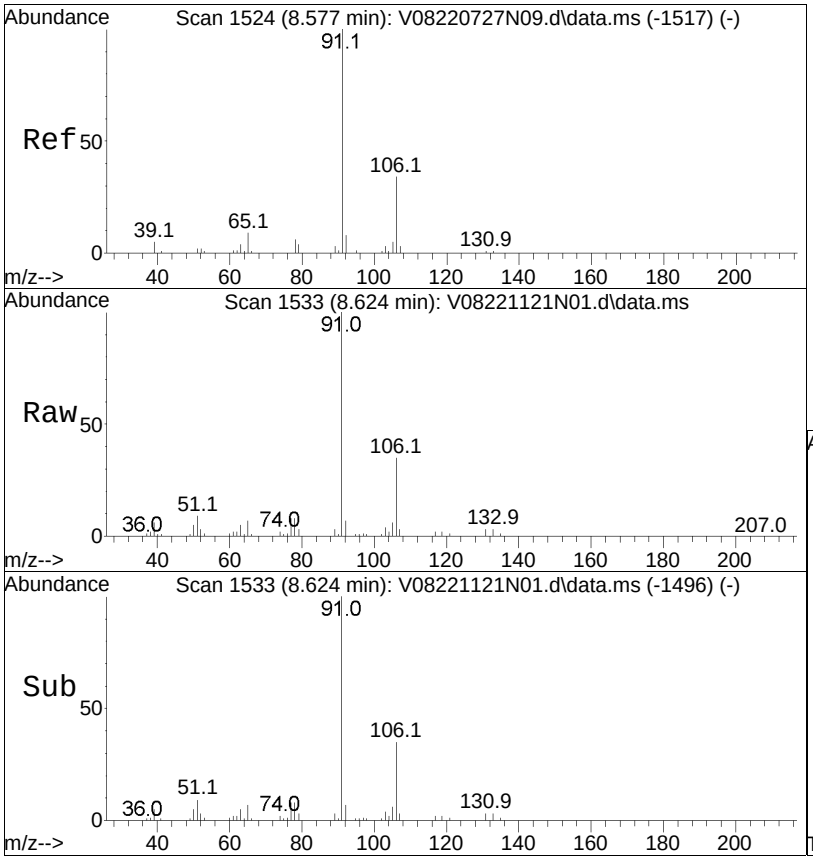


#73
Chlorobenzene
Concen: 8.84 ug/L
RT: 8.582 min Scan# 1525
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:112 Resp: 130944

Ion	Ratio	Lower	Upper
112	100		
77	49.8	55.4	83.0#
114	31.8	25.4	38.2

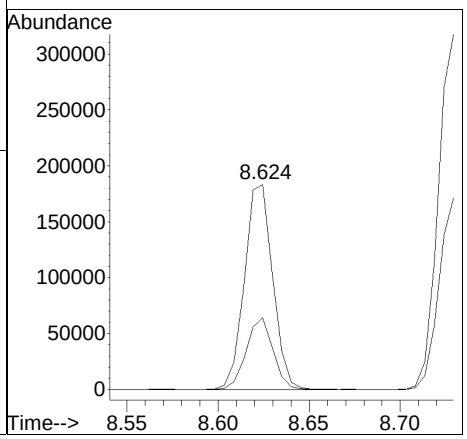


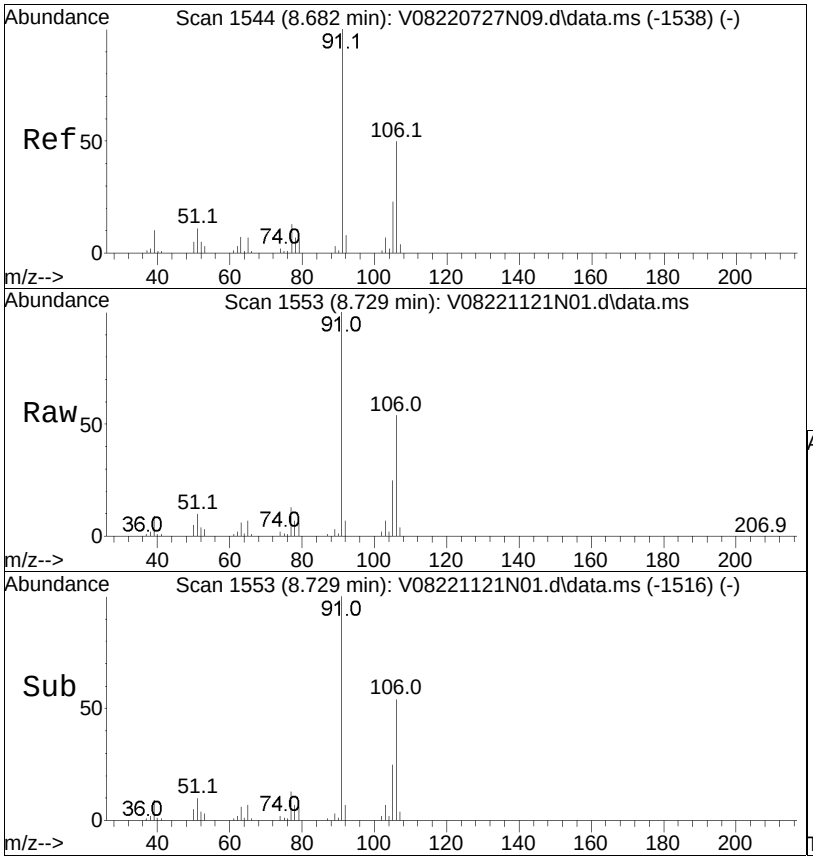


#74
Ethylbenzene
Concen: 8.57 ug/L
RT: 8.624 min Scan# 1533
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 91 Resp: 197463

Ion	Ratio	Lower	Upper
91	100		
106	33.0	24.3	36.5

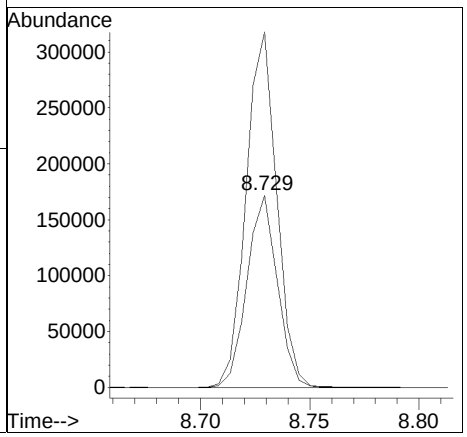


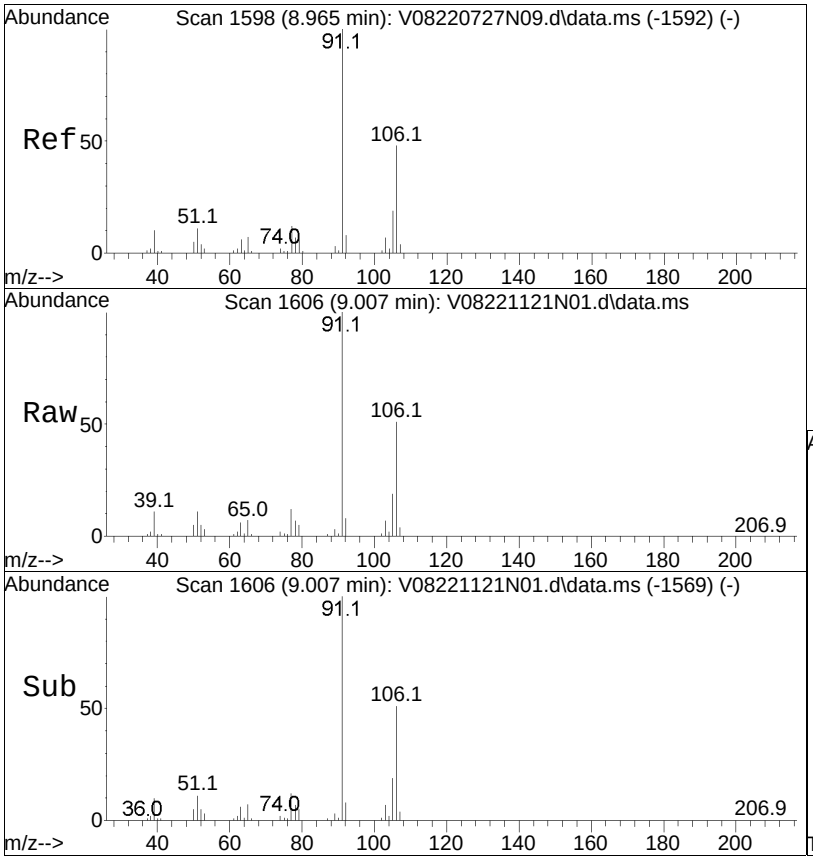


#76
p/m Xylene
Concen: 17.39 ug/L
RT: 8.729 min Scan# 1553
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:106 Resp: 166442

Ion	Ratio	Lower	Upper
106	100		
91	186.0	166.4	249.6

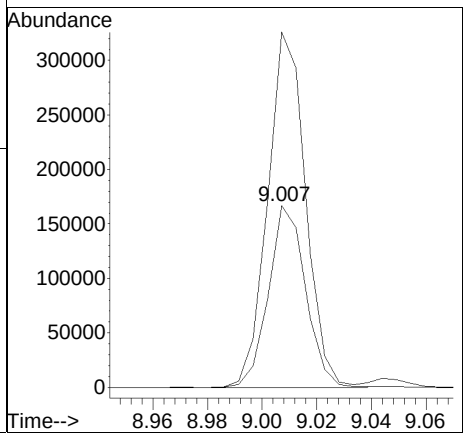


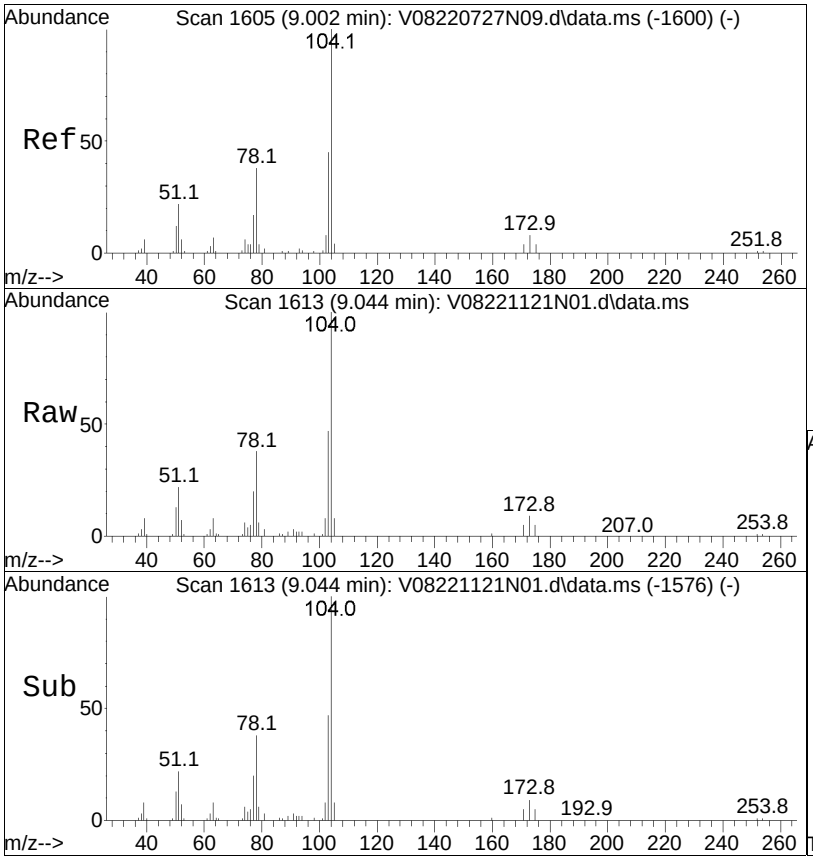


#77
o Xylene
Concen: 17.24 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:106 Resp: 157286

Ion	Ratio	Lower	Upper
106	100		
91	199.3	182.6	273.8

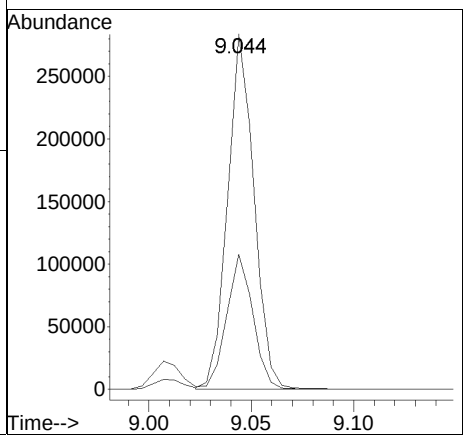


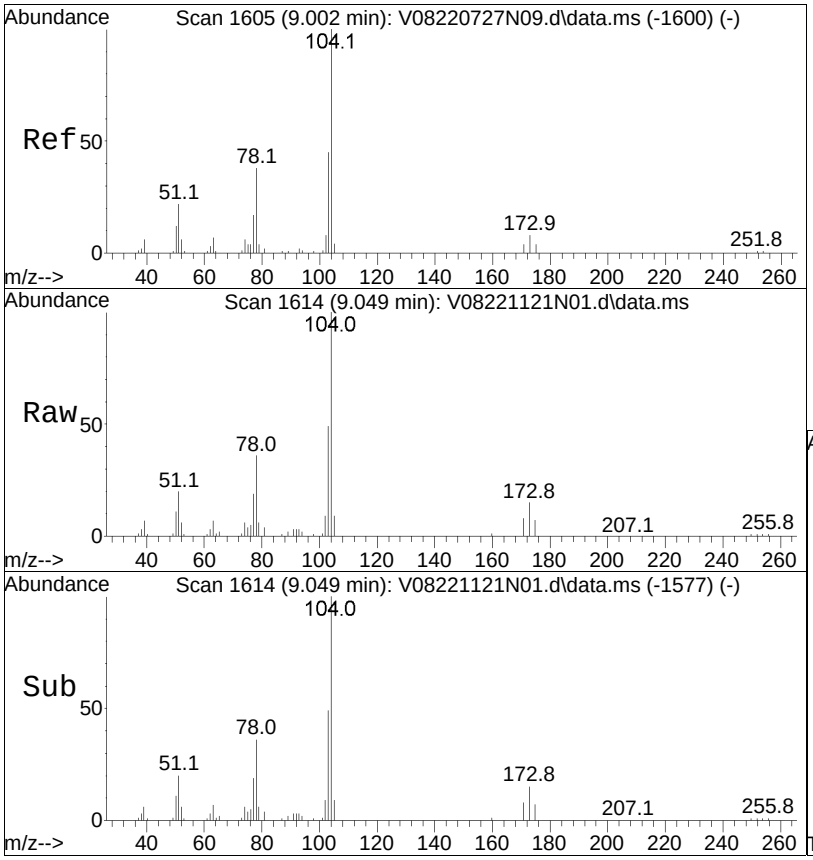


#78
Styrene
Concen: 16.67 ug/L
RT: 9.044 min Scan# 1613
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:104 Resp: 255839

Ion	Ratio	Lower	Upper
104	100		
78	37.8	39.8	59.6#

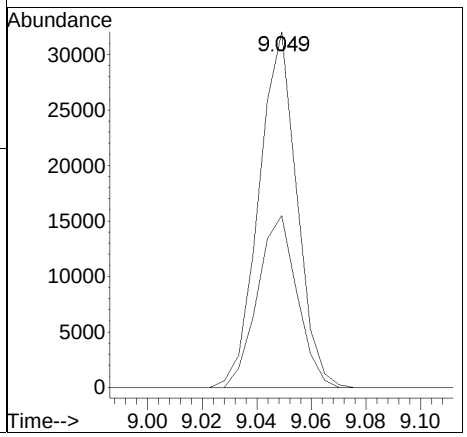


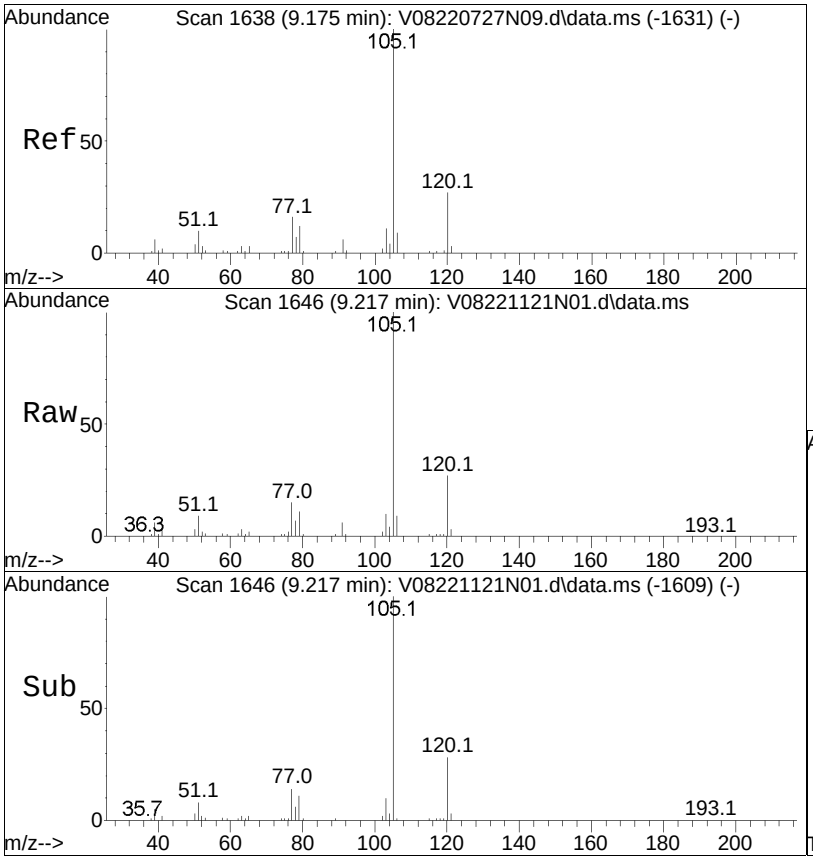


#80
Bromoform
Concen: 7.53 ug/L
RT: 9.049 min Scan# 1614
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:173 Resp: 30954

Ion	Ratio	Lower	Upper
173	100		
175	50.3	31.5	71.5

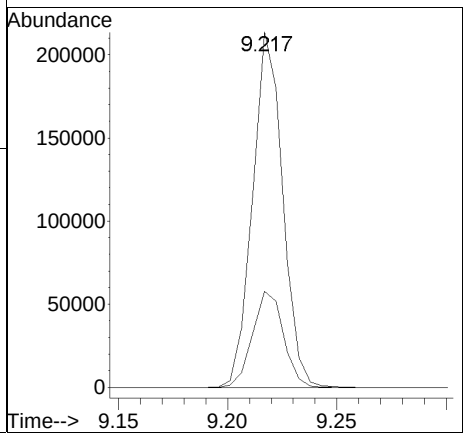


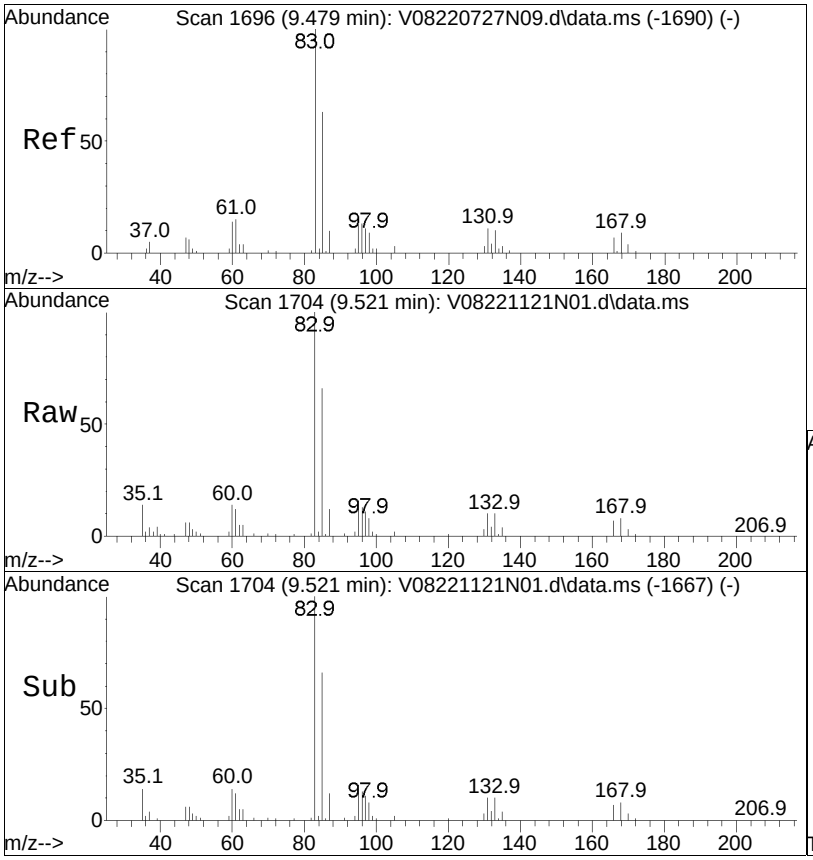


#82
Isopropylbenzene
Concen: 8.74 ug/L
RT: 9.217 min Scan# 1646
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:105 Resp: 204334

Ion	Ratio	Lower	Upper
105	100		
120	27.8	4.8	44.8

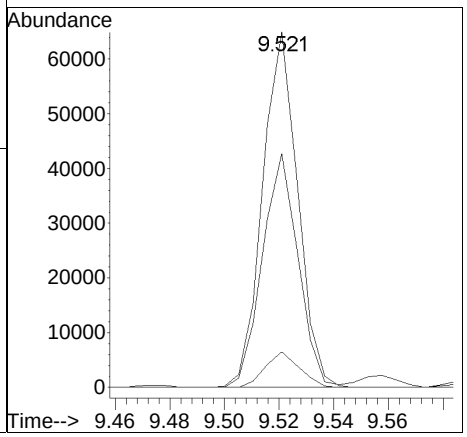


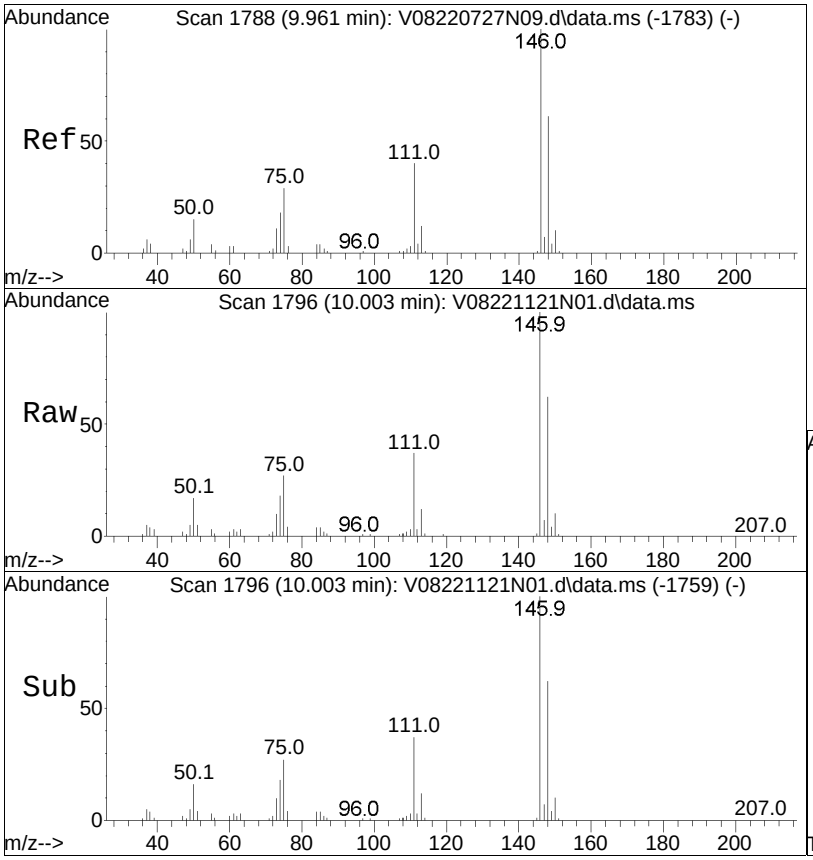


#87
1,1,2,2-Tetrachloroethane
Concen: 9.61 ug/L
RT: 9.521 min Scan# 1704
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion: 83 Resp: 58121

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	30.4
85	66.9	45.4	85.4

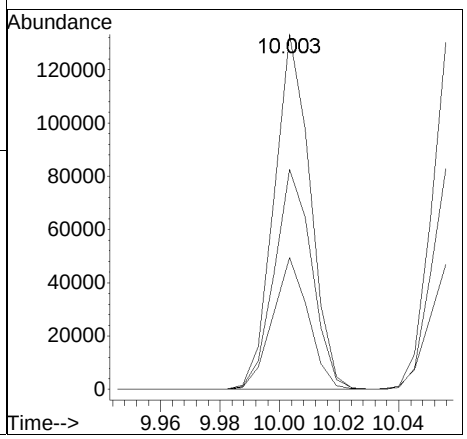


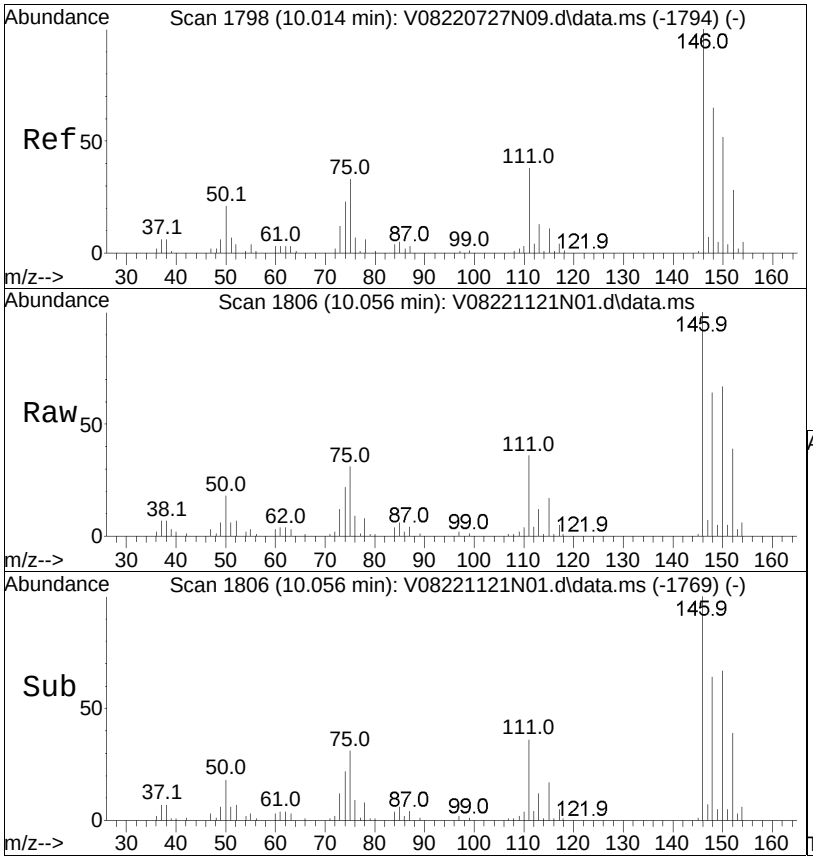


#100
1,3-Dichlorobenzene
Concen: 8.67 ug/L
RT: 10.003 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:146 Resp: 112557

Ion	Ratio	Lower	Upper
146	100		
111	36.8	27.5	57.1
148	64.3	41.9	86.9

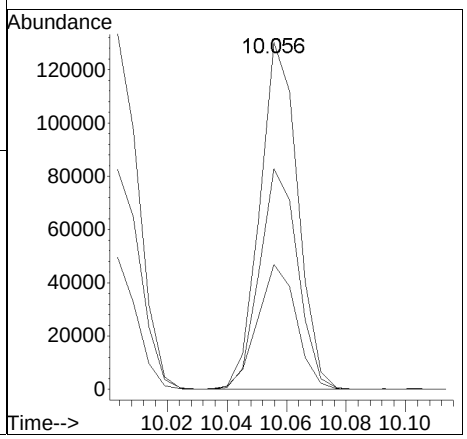


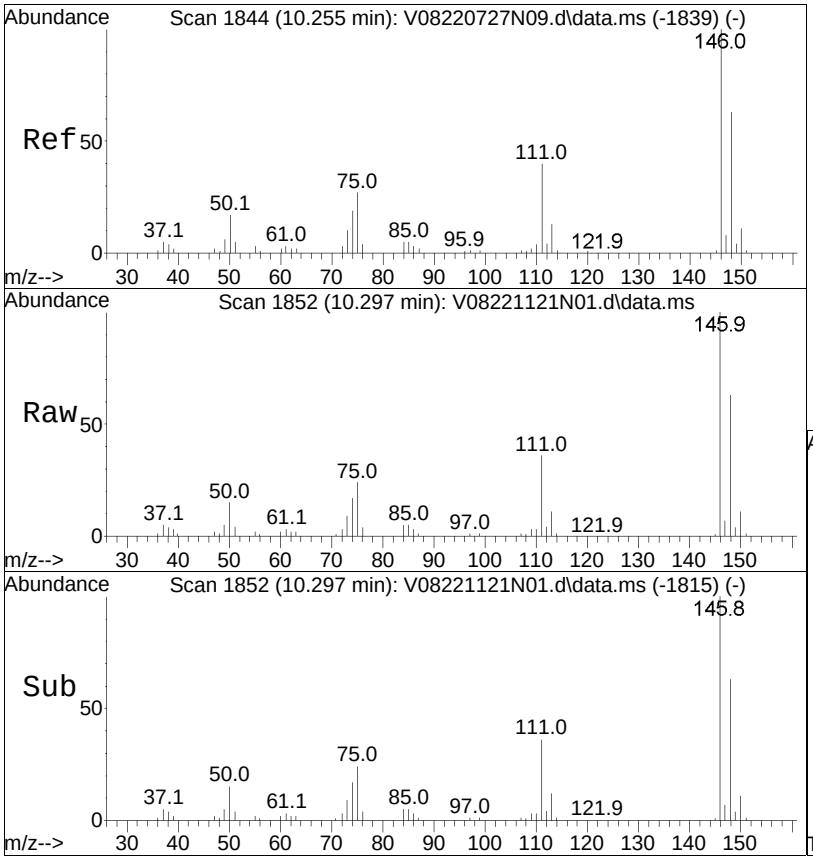


#101
1,4-Dichlorobenzene
Concen: 8.80 ug/L
RT: 10.056 min Scan# 1806
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:146 Resp: 115752

Ion	Ratio	Lower	Upper
146	100		
111	37.0	32.3	48.5
148	64.2	49.9	74.9

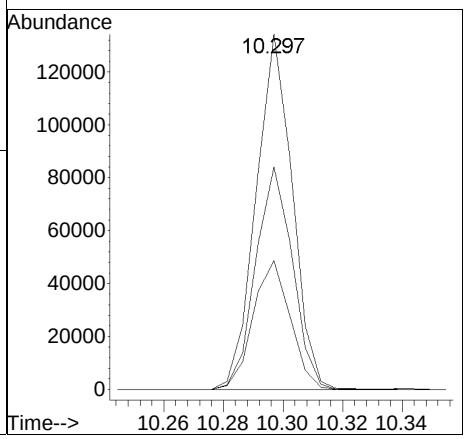


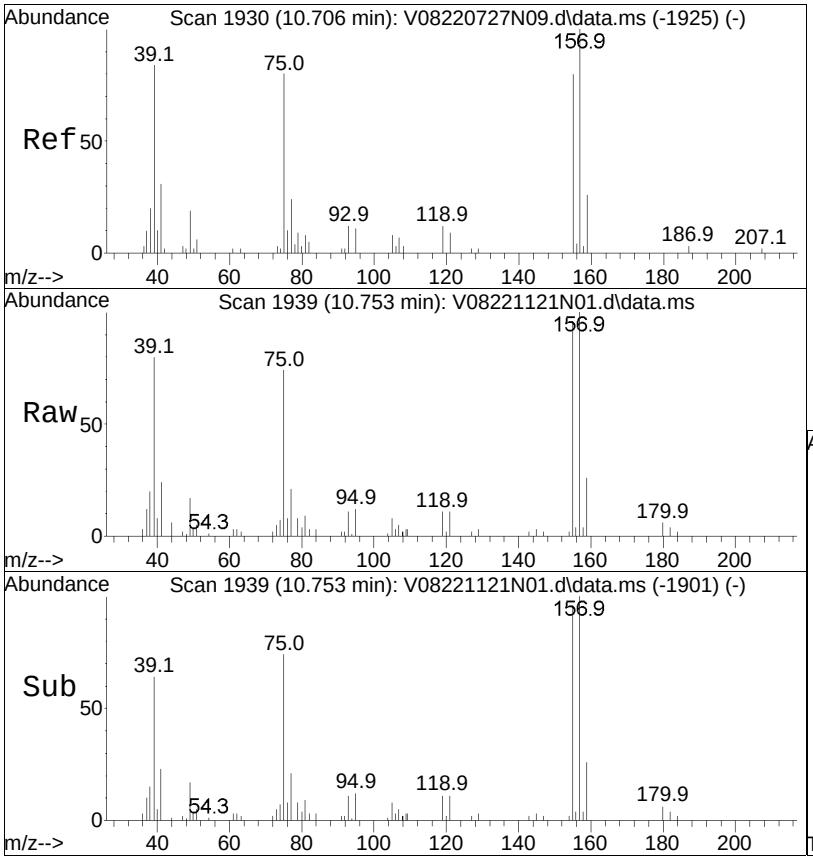


#104
1,2-Dichlorobenzene
Concen: 8.88 ug/L
RT: 10.297 min Scan# 1852
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:146 Resp: 113414

Ion	Ratio	Lower	Upper
146	100		
111	37.2	28.3	58.7
148	63.6	42.3	87.8

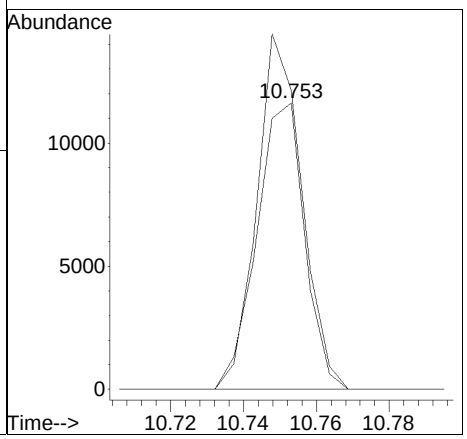


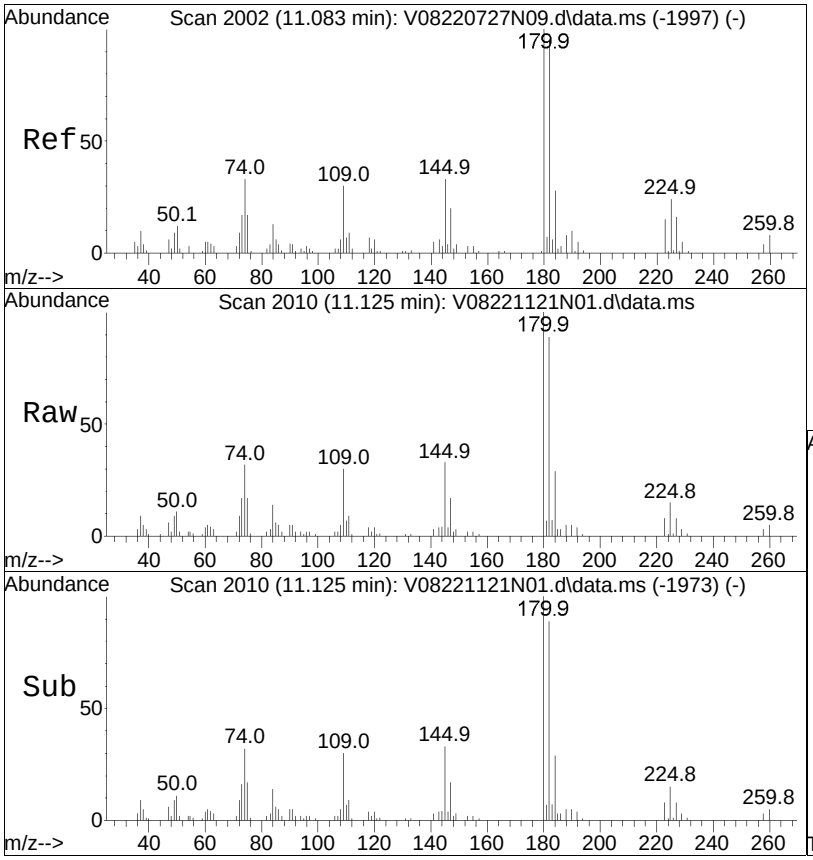


#106
1,2-Dibromo-3-chloropropane
Concen: 8.42 ug/L
RT: 10.753 min Scan# 1939
Delta R.T. 0.000 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:155 Resp: 10619

Ion	Ratio	Lower	Upper
155	100		
157	116.2	94.8	142.2

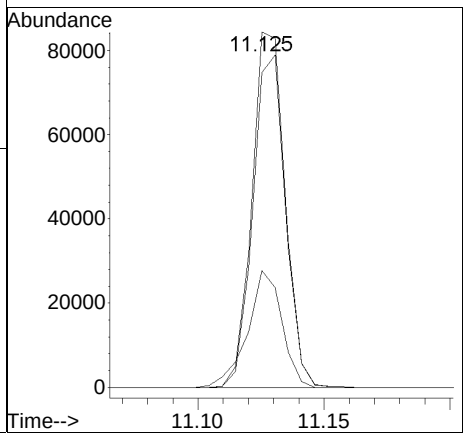


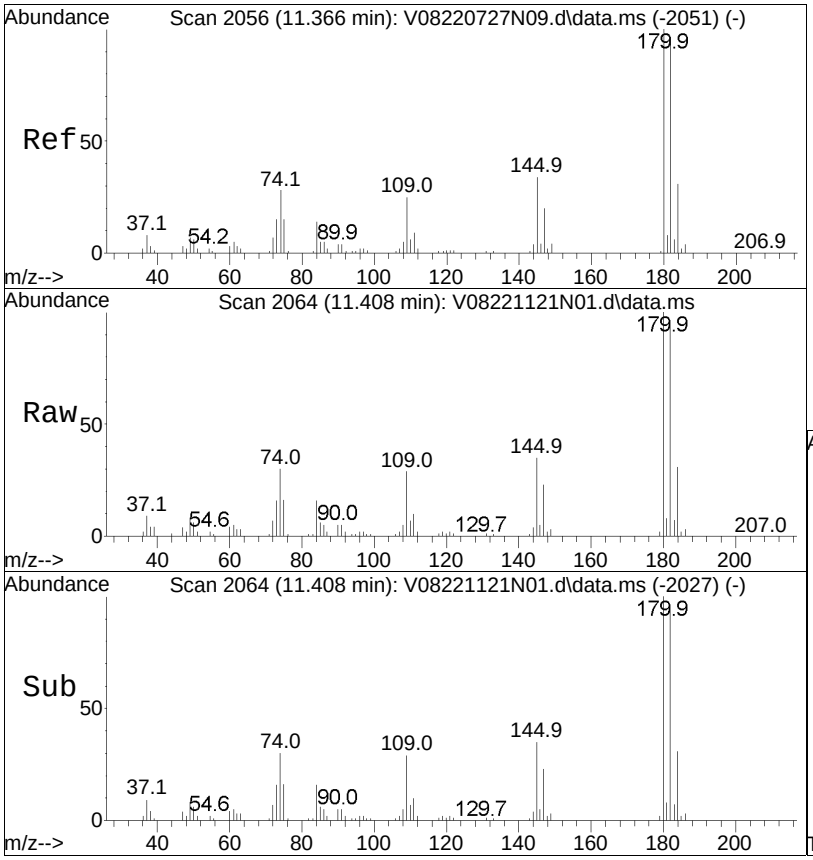


#109
1,2,4-Trichlorobenzene
Concen: 8.56 ug/L
RT: 11.125 min Scan# 2010
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:180 Resp: 77182

Ion	Ratio	Lower	Upper
180	100		
182	91.9	77.3	115.9
145	34.0	28.1	42.1

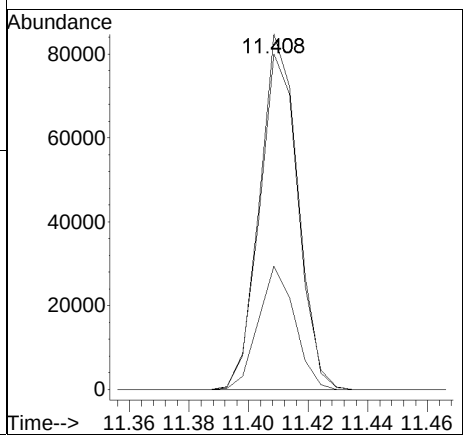




#111
1,2,3-Trichlorobenzene
Concen: 8.31 ug/L
RT: 11.408 min Scan# 2064
Delta R.T. -0.005 min
Lab File: V08221121N01.d
Acq: 21 Nov 2022 6:15 pm

Tgt Ion:180 Resp: 75265

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	33.1	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-3,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	696801	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery = 100.00%			
59) Chlorobenzene-d5	9.651	117	554627	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.334	152	298241	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.301	113	181498	9.666	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.66%			
43) 1,2-Dichloroethane-d4	5.831	65	196881	9.585	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.85%			
60) Toluene-d8	7.802	98	720114	10.173	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.73%			
83) 4-Bromofluorobenzene	11.132	95	278411	10.431	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.31%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.709	85	158958	9.421	ug/L	98
3) Chloromethane	1.902	50	134522	6.771	ug/L	99
4) Vinyl chloride	1.977	62	192172	10.426	ug/L	99
5) Bromomethane	2.300	94	27580	2.544	ug/L	97
6) Chloroethane	2.420	64	119788	10.863	ug/L	97
7) Trichlorofluoromethane	2.563	101	272590	11.330	ug/L	99
10) 1,1-Dichloroethene	3.059	96	161201	11.111	ug/L	97
11) Carbon disulfide	3.092	76	305877	8.375	ug/L	99
12) Freon-113	3.098	101	177996	11.071	ug/L #	68
15) Methylene chloride	3.614	84	173147	11.011	ug/L	94
17) Acetone	3.650	43	26867M1	7.143	ug/L	
18) trans-1,2-Dichloroethene	3.767	96	178077	11.483	ug/L	98
19) Methyl acetate	3.767	43	64724	8.331	ug/L	95
20) Methyl tert-butyl ether	3.854	73	313140	9.864	ug/L	97
23) 1,1-Dichloroethane	4.350	63	338774	11.318	ug/L	99
28) cis-1,2-Dichloroethene	4.866	96	191373	11.248	ug/L	98
30) Bromochloromethane	5.058	128	80296	10.797	ug/L	95
31) Cyclohexane	5.070	56	367960	11.289	ug/L	94
32) Chloroform	5.128	83	310057	11.667	ug/L	97
34) Carbon tetrachloride	5.270	117	259480	11.313	ug/L	97

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-3,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.332	97	285451	11.620	ug/L		98
39) 2-Butanone	5.418	43	33651	7.246	ug/L	#	46
41) Benzene	5.700	78	698985	11.375	ug/L		98
44) 1,2-Dichloroethane	5.901	62	206118	10.345	ug/L		99
47) Methyl cyclohexane	6.285	83	316699	11.631	ug/L		94
48) Trichloroethene	6.294	95	189546	10.613	ug/L		98
51) 1,2-Dichloropropane	6.835	63	187931	11.064	ug/L		99
54) Bromodichloromethane	6.907	83	220692	10.822	ug/L		98
57) 1,4-Dioxane	7.119	88	27734M1	322.704	ug/L		
58) cis-1,3-Dichloropropene	7.599	75	266965	11.033	ug/L		99
61) Toluene	7.864	92	438866	10.805	ug/L		100
62) 4-Methyl-2-pentanone	8.288	58	34392	8.583	ug/L		94
63) Tetrachloroethene	8.316	166	206033	11.545	ug/L		99
65) trans-1,3-Dichloropropene	8.346	75	211332	10.276	ug/L		100
68) 1,1,2-Trichloroethane	8.533	83	99511	10.514	ug/L		99
69) Chlorodibromomethane	8.748	129	145235	9.845	ug/L		99
71) 1,2-Dibromoethane	9.024	107	112736	9.858	ug/L		100
72) 2-Hexanone	9.300	43	56754M1	8.024	ug/L		
73) Chlorobenzene	9.674	112	486432	10.653	ug/L		98
74) Ethylbenzene	9.707	91	848441	11.002	ug/L		99
76) p/m Xylene	9.894	106	667087	21.837	ug/L		96
77) o Xylene	10.432	106	604240	20.805	ug/L		98
78) Styrene	10.496	104	938310	19.978	ug/L		100
80) Bromoform	10.527	173	77822	9.172	ug/L		99
82) Isopropylbenzene	10.811	105	819782	10.437	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.372	83	119369	9.401	ug/L		99
100) 1,3-Dichlorobenzene	12.256	146	345921	10.228	ug/L		99
101) 1,4-Dichlorobenzene	12.345	146	348517	10.115	ug/L		99
104) 1,2-Dichlorobenzene	12.769	146	301479	10.031	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.547	155	14291	7.649	ug/L		95
109) 1,2,4-Trichlorobenzene	14.172	180	136789	9.908	ug/L		97
111) 1,2,3-Trichlorobenzene	14.637	180	83580	8.643	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A01.D
Acq On : 18 Nov 2022 8:09 am
Operator : VOA101:PID
Sample : WG1714394-3,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 18 08:28:54 2022
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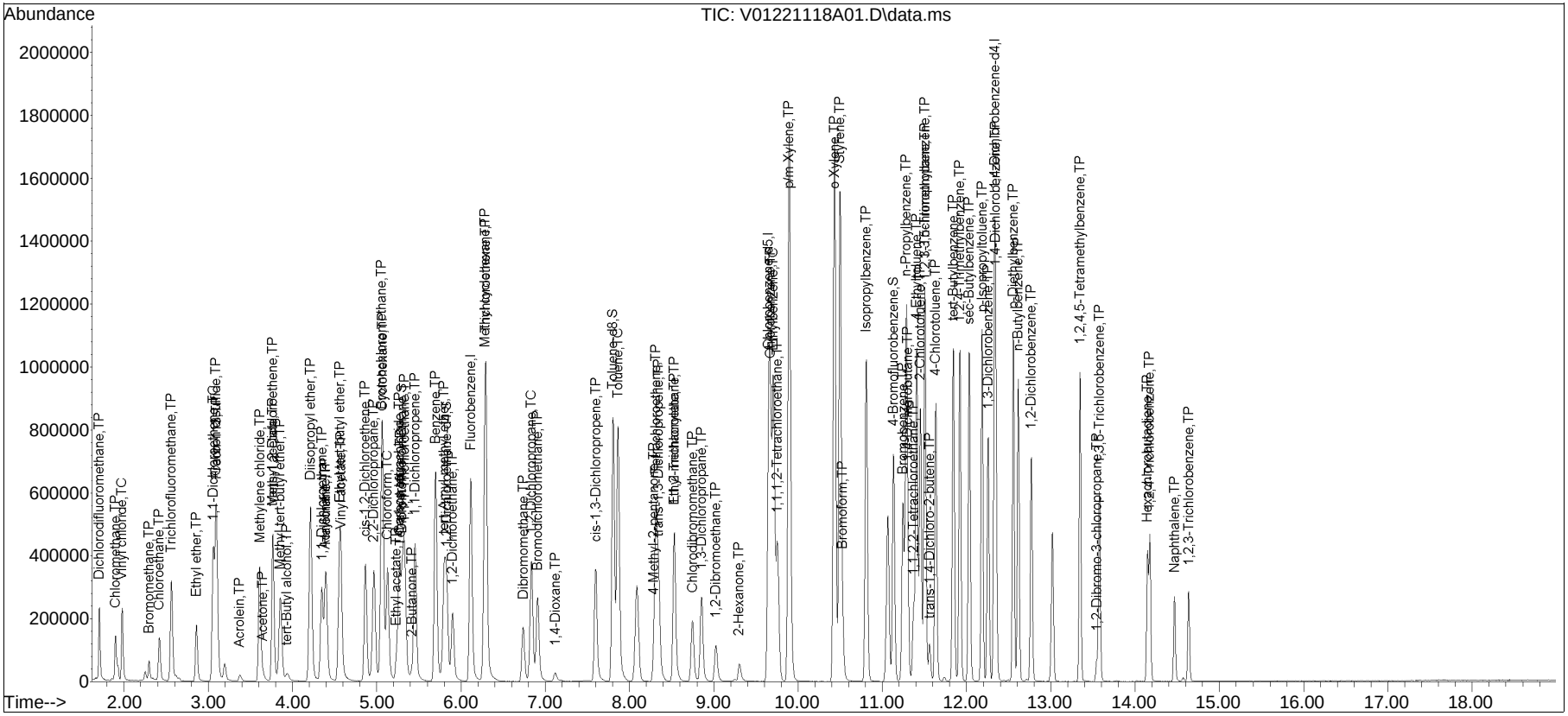
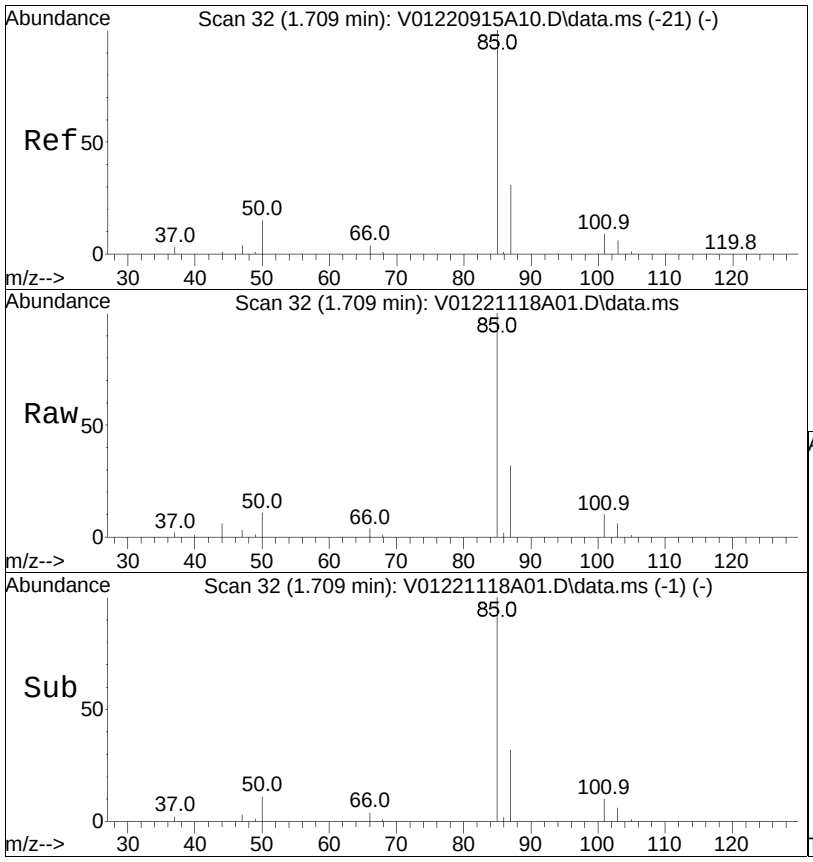
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

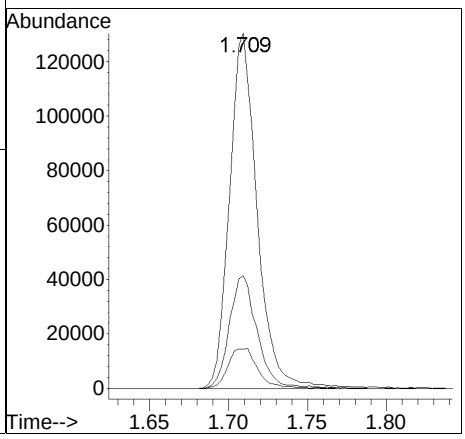


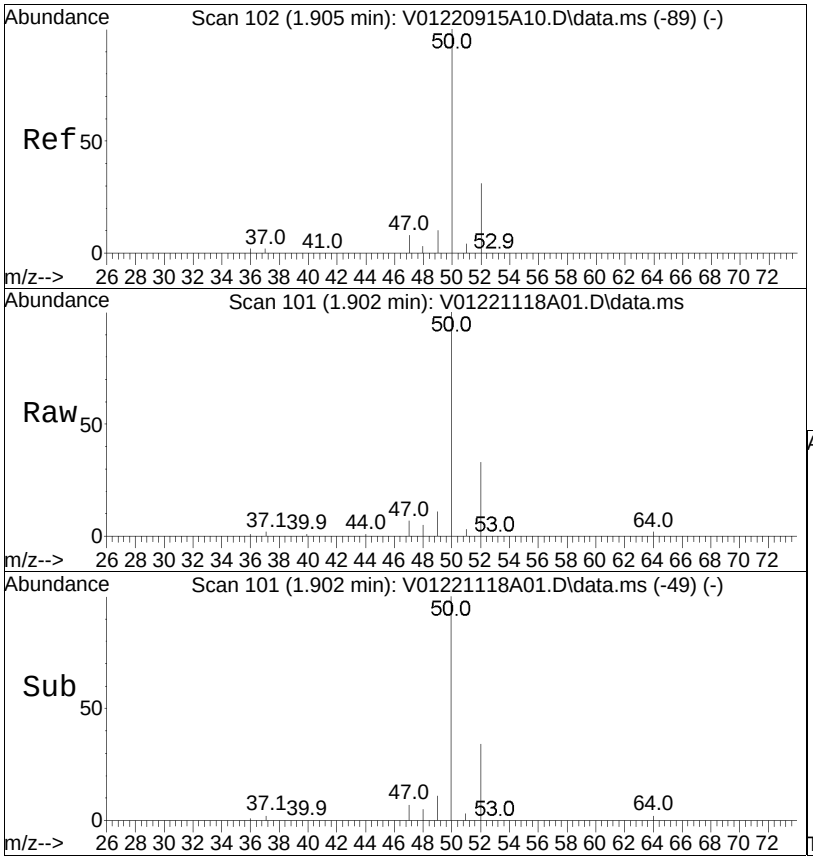


#2
Dichlorodifluoromethane
Concen: 9.42 ug/L
RT: 1.709 min Scan# 32
Delta R.T. 0.000 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 85 Resp: 158958

Ion	Ratio	Lower	Upper
85	100		
87	32.0	20.9	43.5
50	12.2	9.1	18.9

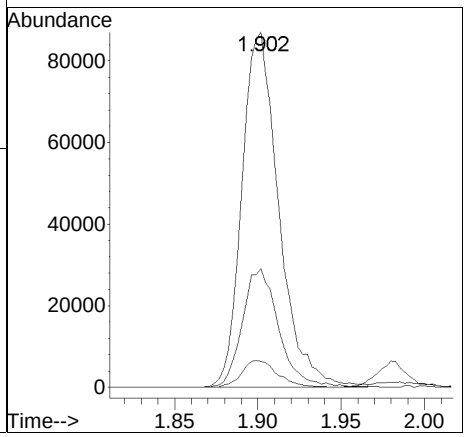


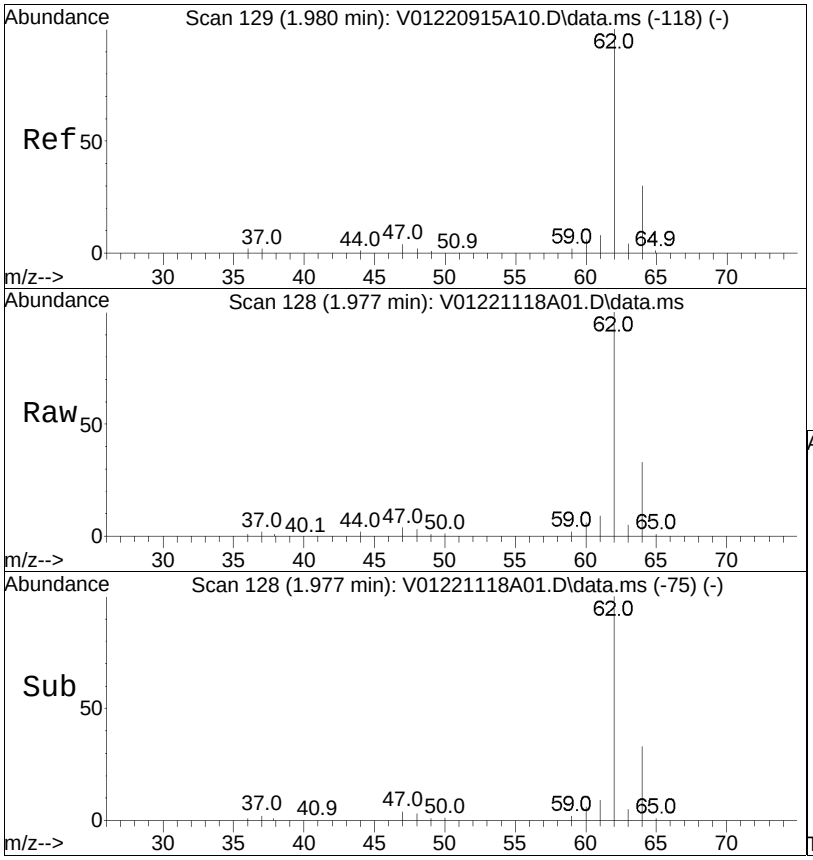


#3
Chloromethane
Concen: 6.77 ug/L
RT: 1.902 min Scan# 101
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 50 Resp: 134522

Ion	Ratio	Lower	Upper
50	100		
52	32.9	12.8	52.8
47	7.4	0.0	28.3

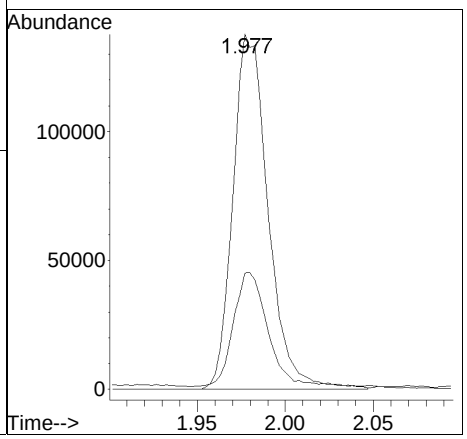


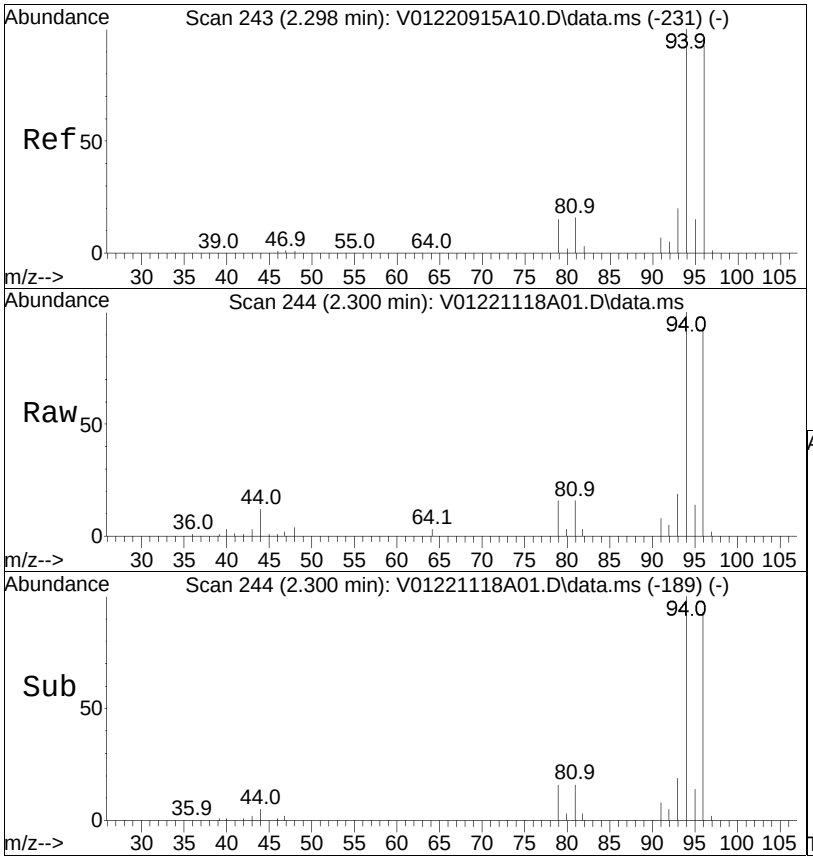


#4
Vinyl chloride
Concen: 10.43 ug/L
RT: 1.977 min Scan# 128
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 62 Resp: 192172

Ion	Ratio	Lower	Upper
62	100		
64	31.5	10.8	50.8

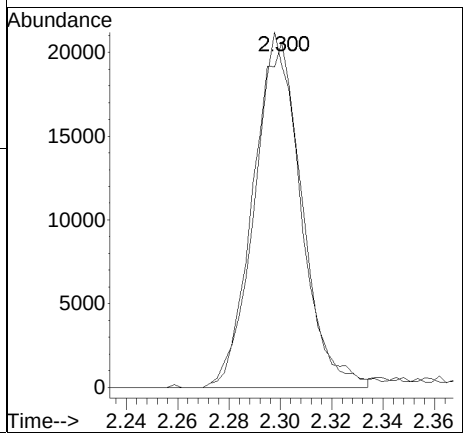


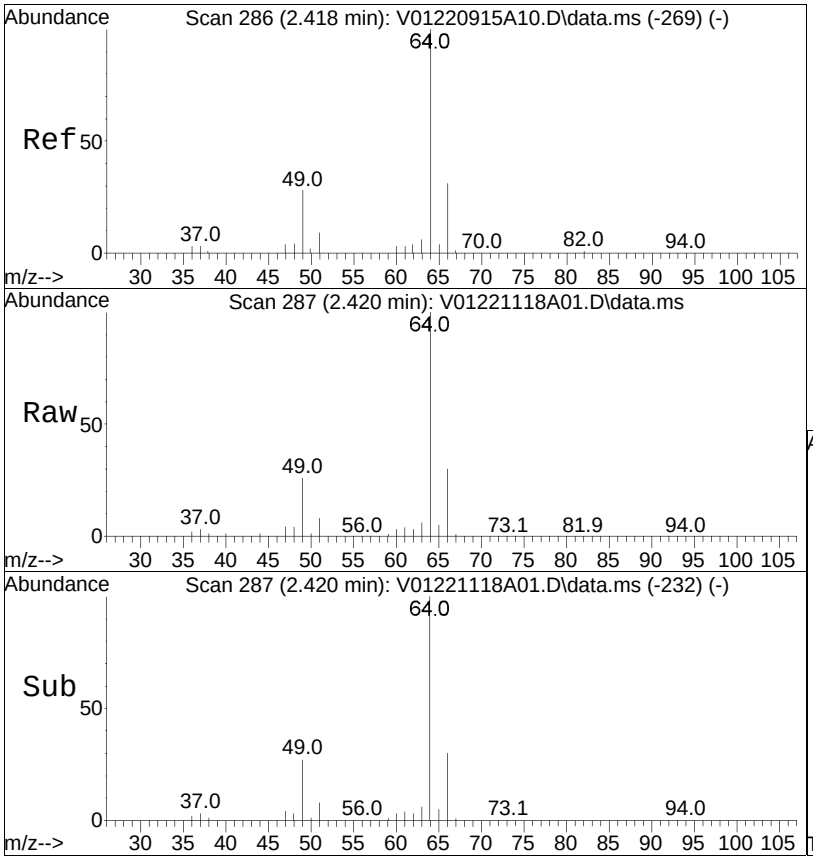


#5
Bromomethane
Concen: 2.54 ug/L
RT: 2.300 min Scan# 244
Delta R.T. 0.002 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 94 Resp: 27580

Ion	Ratio	Lower	Upper
94	100		
96	96.3	73.6	113.6

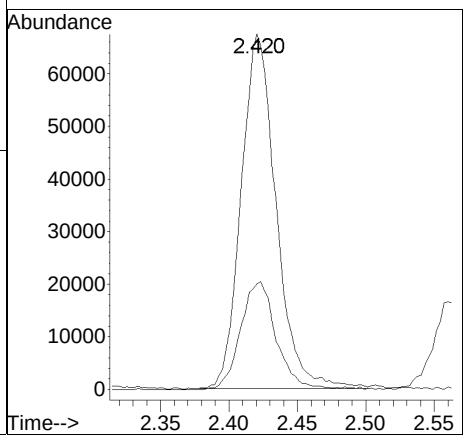


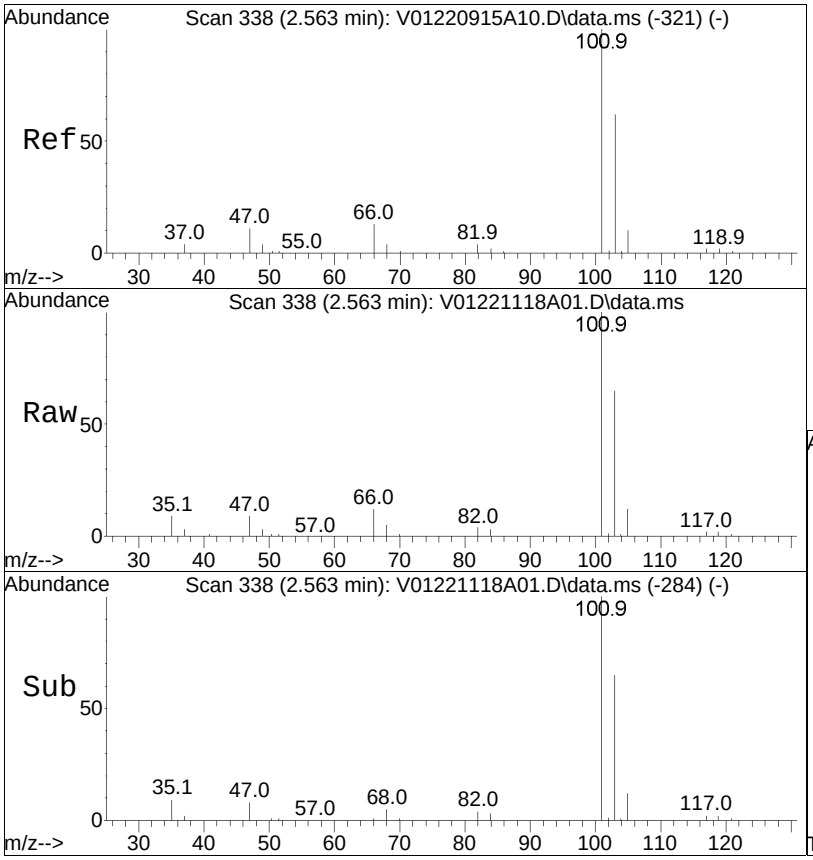


#6
Chloroethane
Concen: 10.86 ug/L
RT: 2.420 min Scan# 287
Delta R.T. 0.002 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 64 Resp: 119788

Ion	Ratio	Lower	Upper
64	100		
66	30.7	12.7	52.7

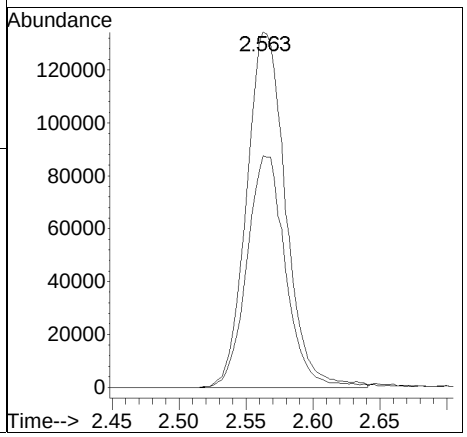


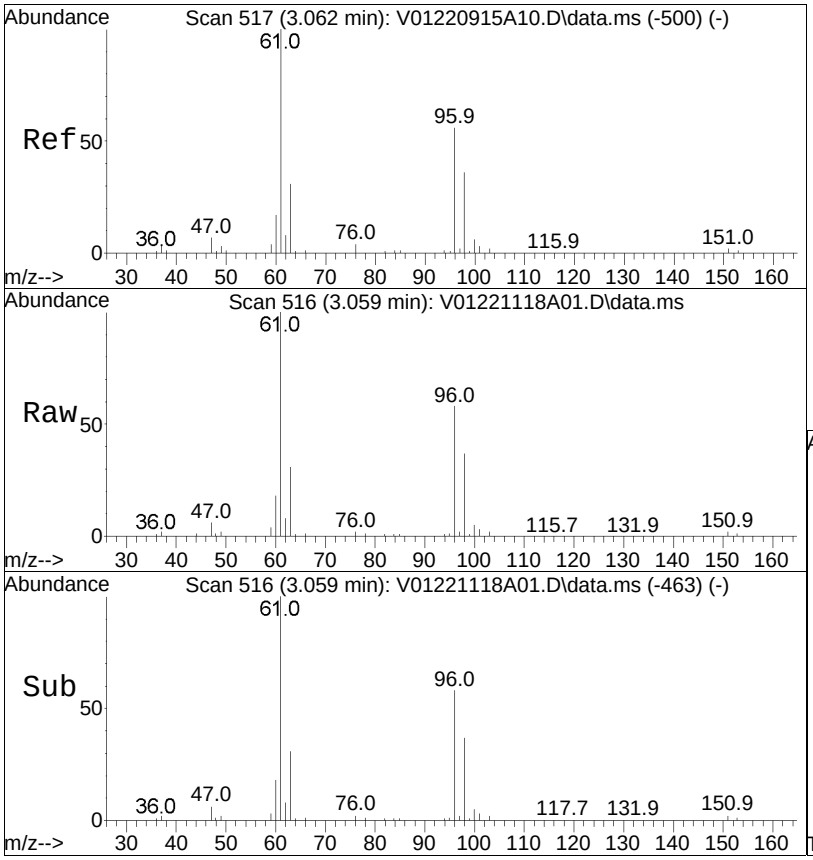


#7
Trichlorofluoromethane
Concen: 11.33 ug/L
RT: 2.563 min Scan# 338
Delta R.T. -0.000 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:101 Resp: 272590

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

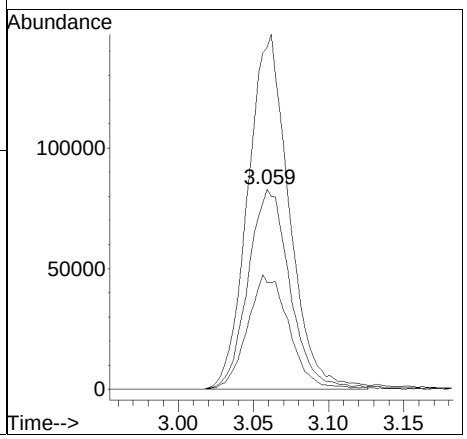


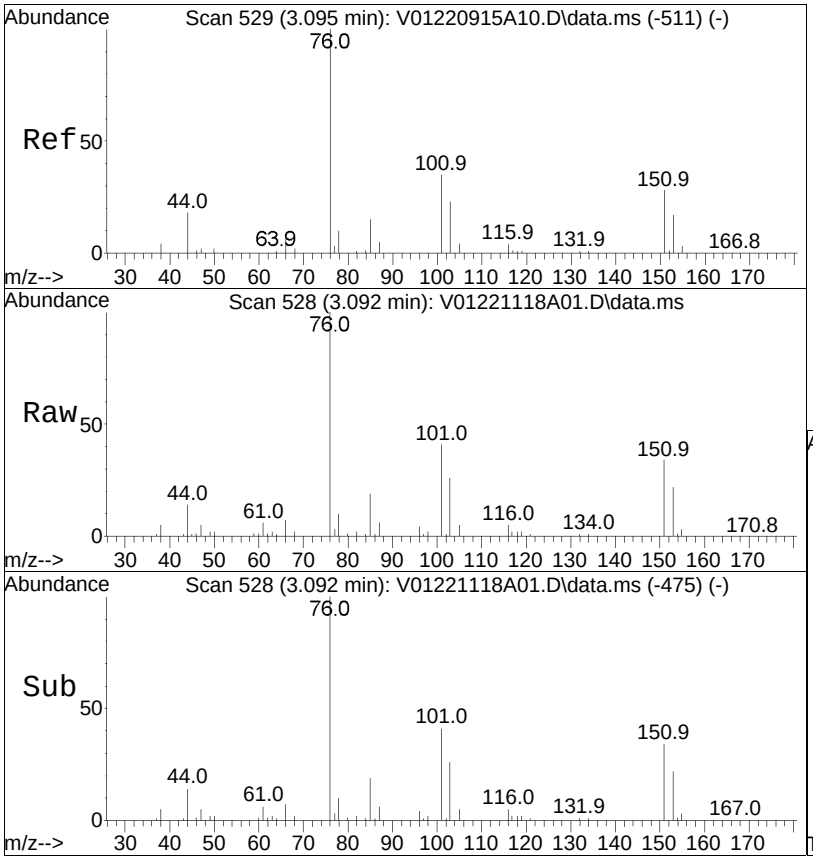


#10
1,1-Dichloroethene
Concen: 11.11 ug/L
RT: 3.059 min Scan# 516
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 96 Resp: 161201

Ion	Ratio	Lower	Upper
96	100		
61	174.7	136.8	205.2
63	56.7	43.6	65.4

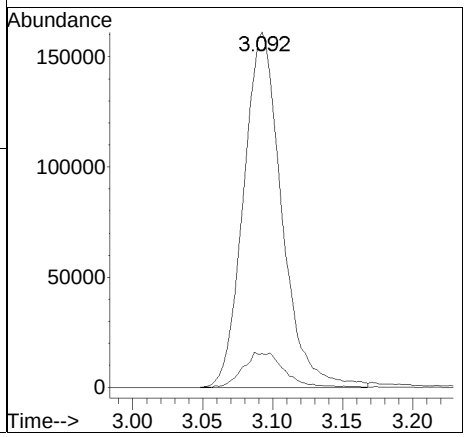


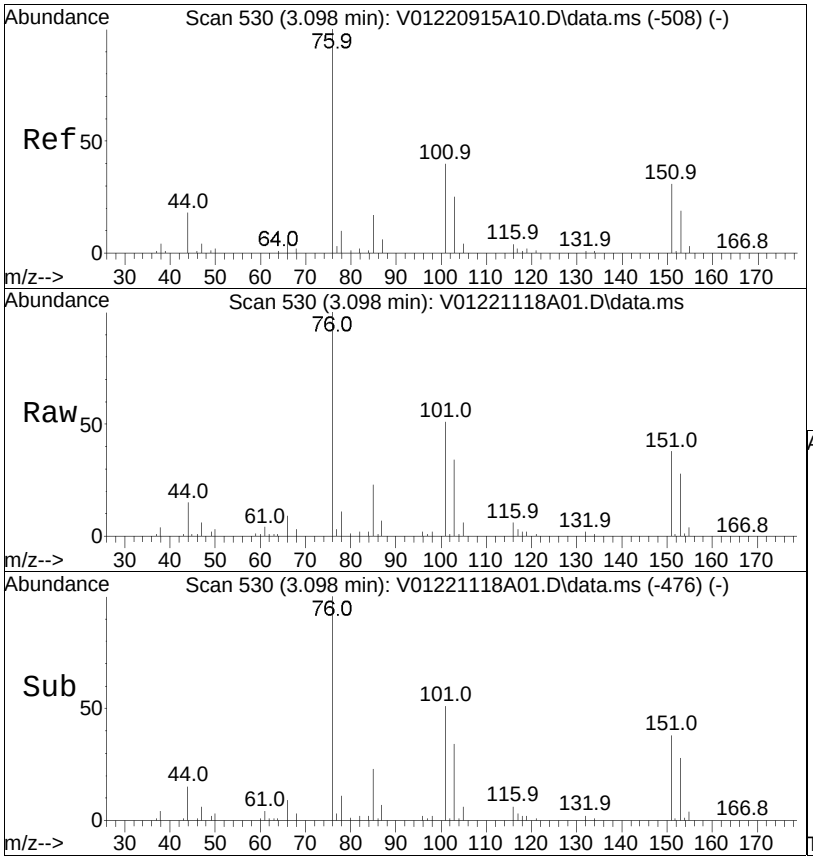


#11
Carbon disulfide
Concen: 8.37 ug/L
RT: 3.092 min Scan# 528
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 76 Resp: 305877

Ion	Ratio	Lower	Upper
76	100		
78	10.7	6.6	13.8

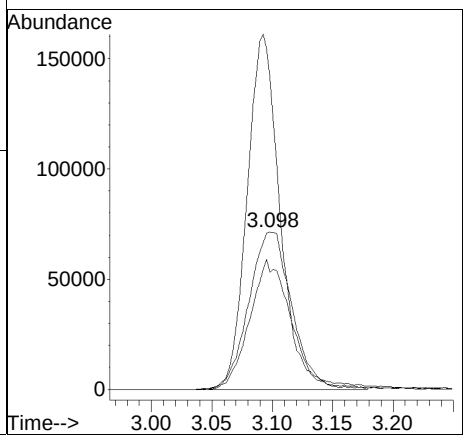


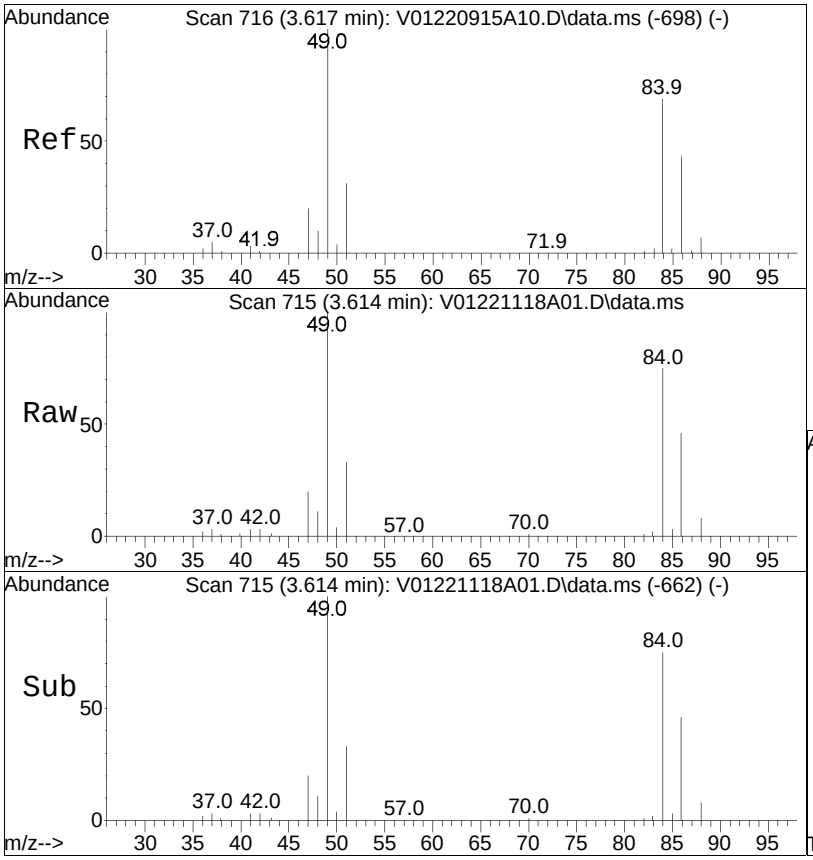


#12
Freon-113
Concen: 11.07 ug/L
RT: 3.098 min Scan# 530
Delta R.T. 0.000 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:101 Resp: 177996

Ion	Ratio	Lower	Upper
101	100		
151	78.0	61.2	91.8
76	171.8	194.8	292.2#

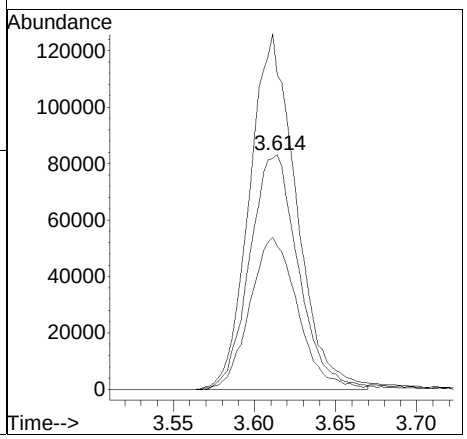


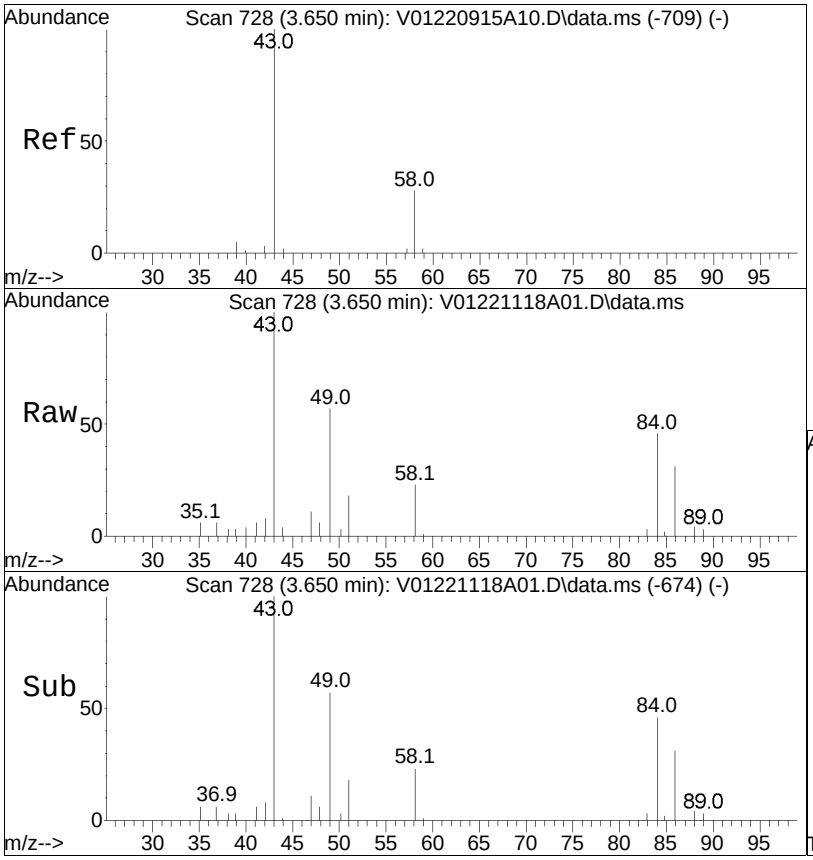


#15
Methylene chloride
Concen: 11.01 ug/L
RT: 3.614 min Scan# 715
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 84 Resp: 173147

Ion	Ratio	Lower	Upper
84	100		
86	63.7	41.7	86.7
49	147.4	89.1	185.1

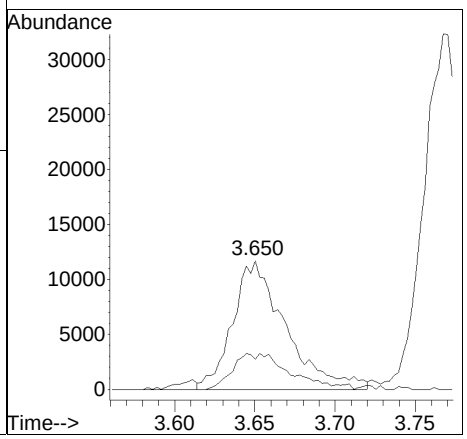


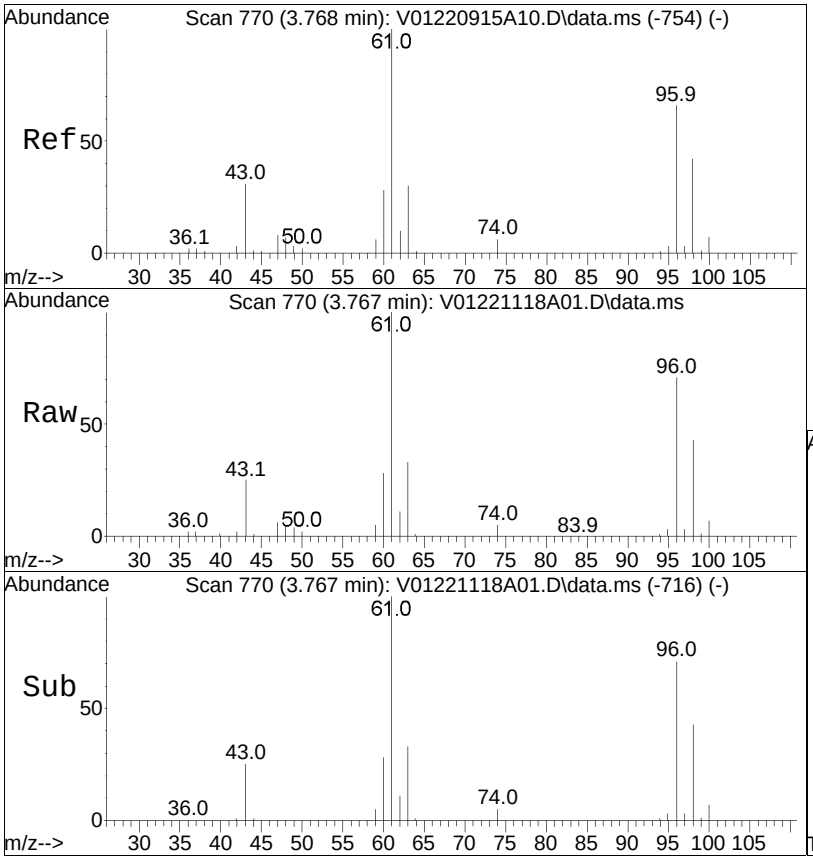


#17
Acetone
Concen: 7.14 ug/L M1
RT: 3.650 min Scan# 728
Delta R.T. 0.000 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 43 Resp: 26867

Ion	Ratio	Lower	Upper
43	100		
58	12.4	25.9	38.9#

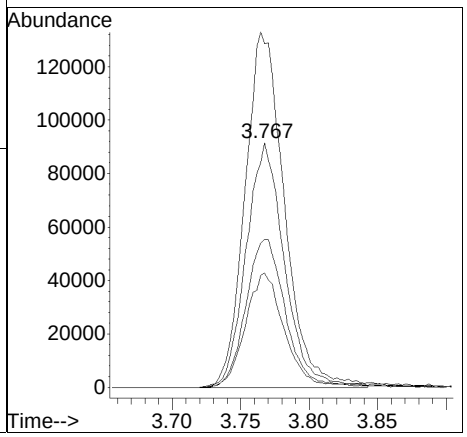


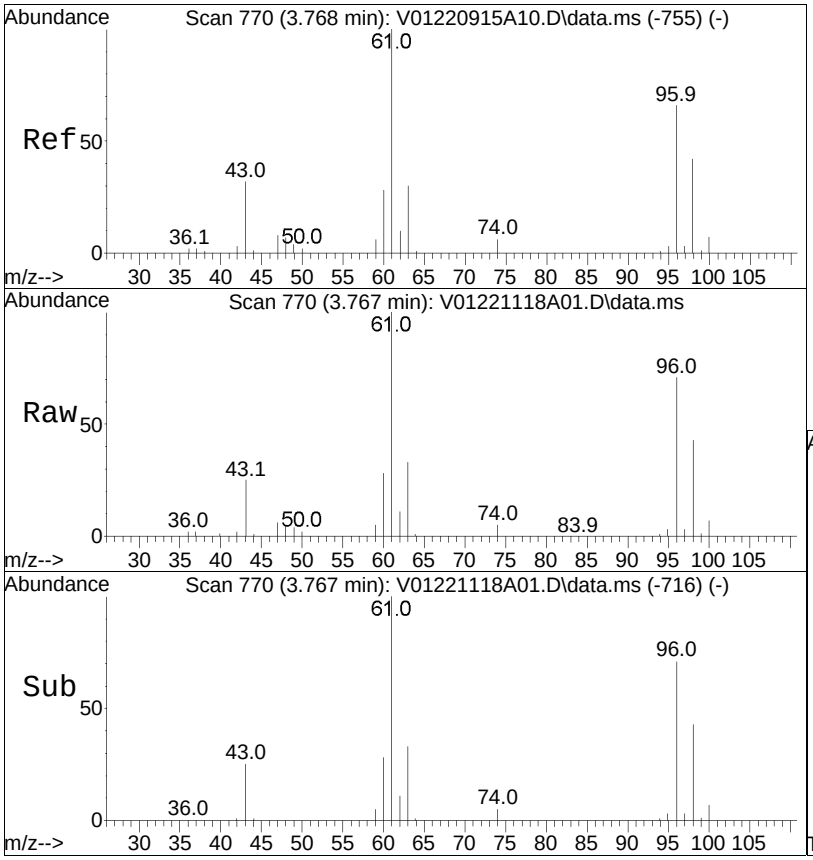


#18
trans-1,2-Dichloroethene
Concen: 11.48 ug/L
RT: 3.767 min Scan# 770
Delta R.T. -0.001 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 96 Resp: 178077

Ion	Ratio	Lower	Upper
96	100		
61	149.4	95.3	197.9
98	62.1	41.0	85.2
63	47.6	30.2	62.6

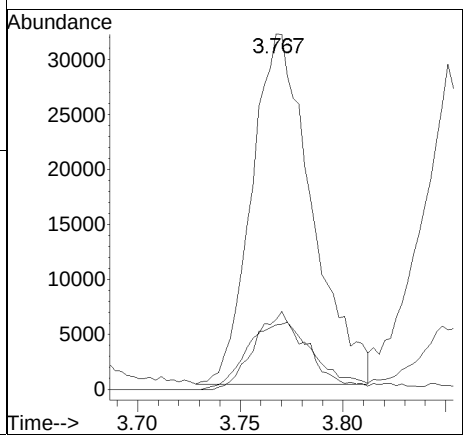


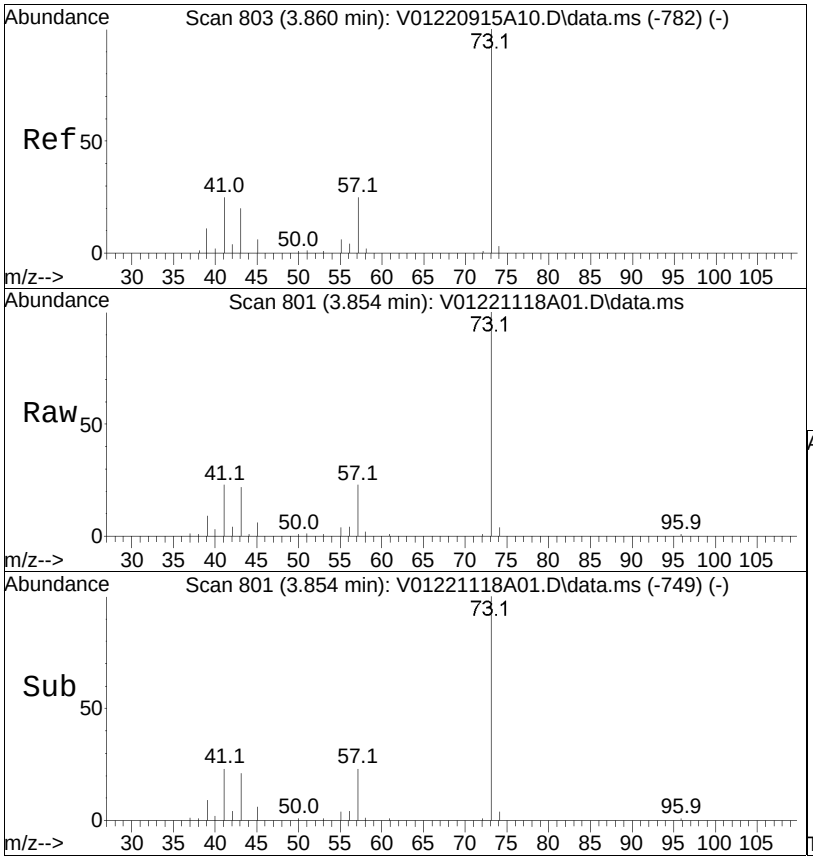


#19
Methyl acetate
Concen: 8.33 ug/L
RT: 3.767 min Scan# 770
Delta R.T. -0.001 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 43 Resp: 64724

Ion	Ratio	Lower	Upper
43	100		
74	19.9	18.2	27.2
59	21.1	18.2	27.2

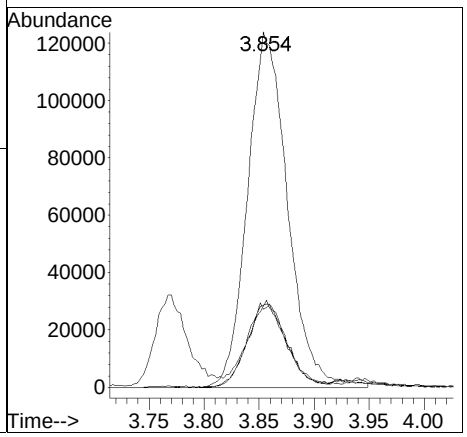


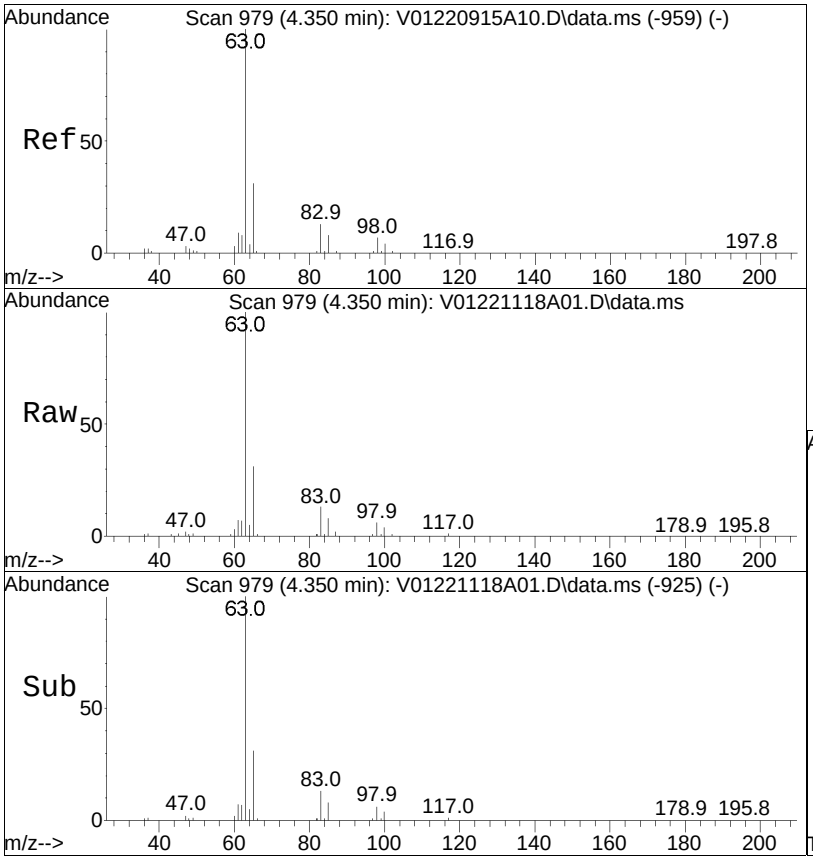


#20
Methyl tert-butyl ether
Concen: 9.86 ug/L
RT: 3.854 min Scan# 801
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 73 Resp: 313140

Ion	Ratio	Lower	Upper
73	100		
57	23.8	14.8	30.6
43	21.5	15.5	32.3
41	22.9	14.1	29.3

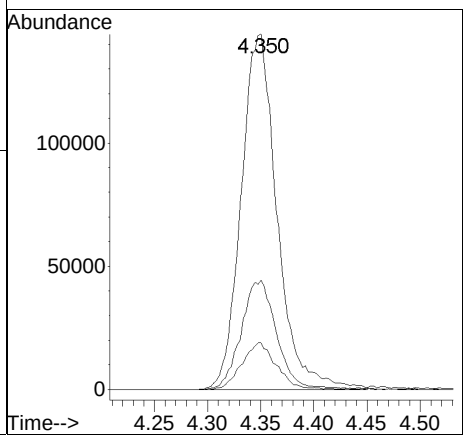


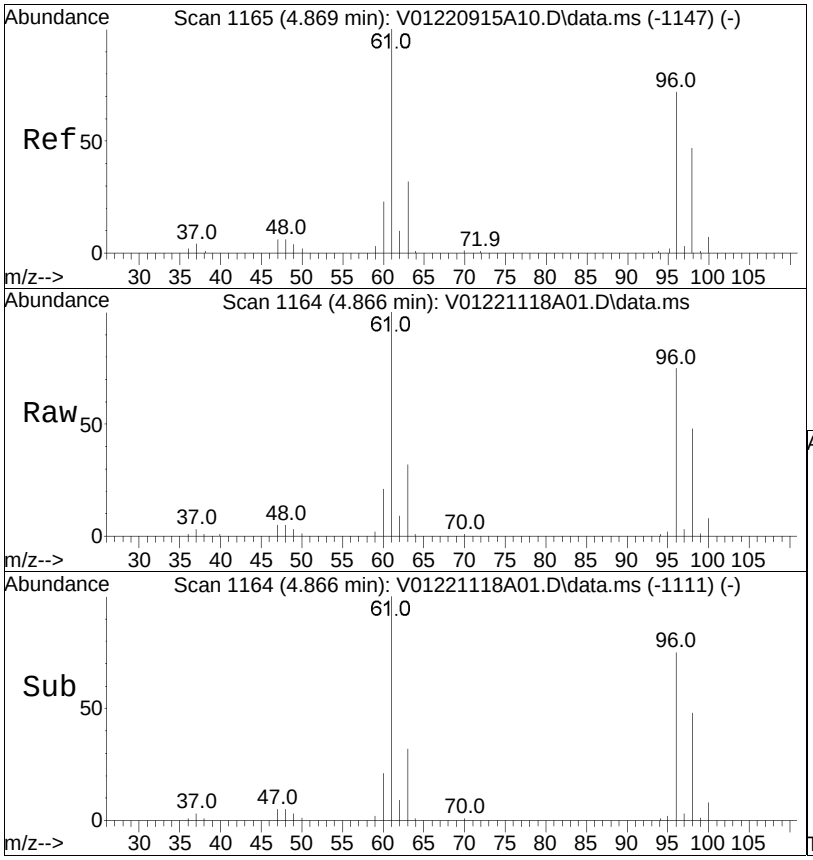


#23
1,1-Dichloroethane
Concen: 11.32 ug/L
RT: 4.350 min Scan# 979
Delta R.T. 0.000 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 63 Resp: 338774

Ion	Ratio	Lower	Upper
63	100		
65	30.0	10.9	50.9
83	12.6	0.0	33.0

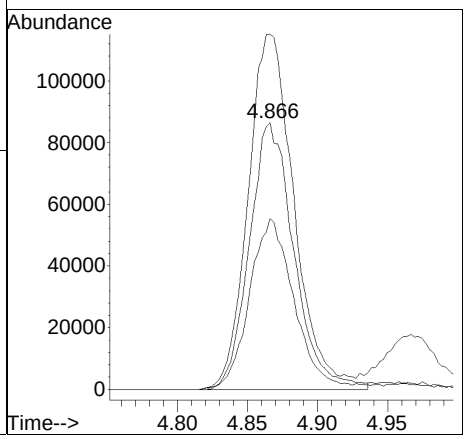


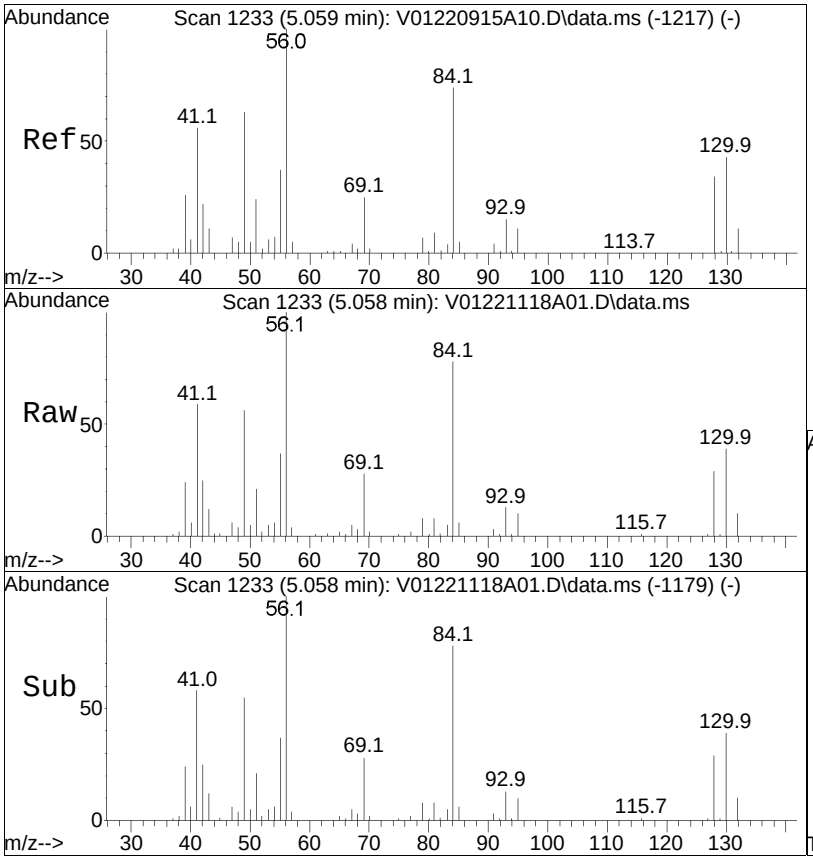


#28
cis-1,2-Dichloroethene
Concen: 11.25 ug/L
RT: 4.866 min Scan# 1164
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 96 Resp: 191373

Ion	Ratio	Lower	Upper
96	100		
61	135.6	105.8	158.6
98	63.6	51.1	76.7

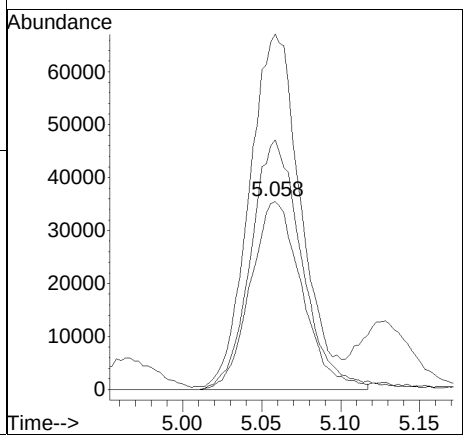


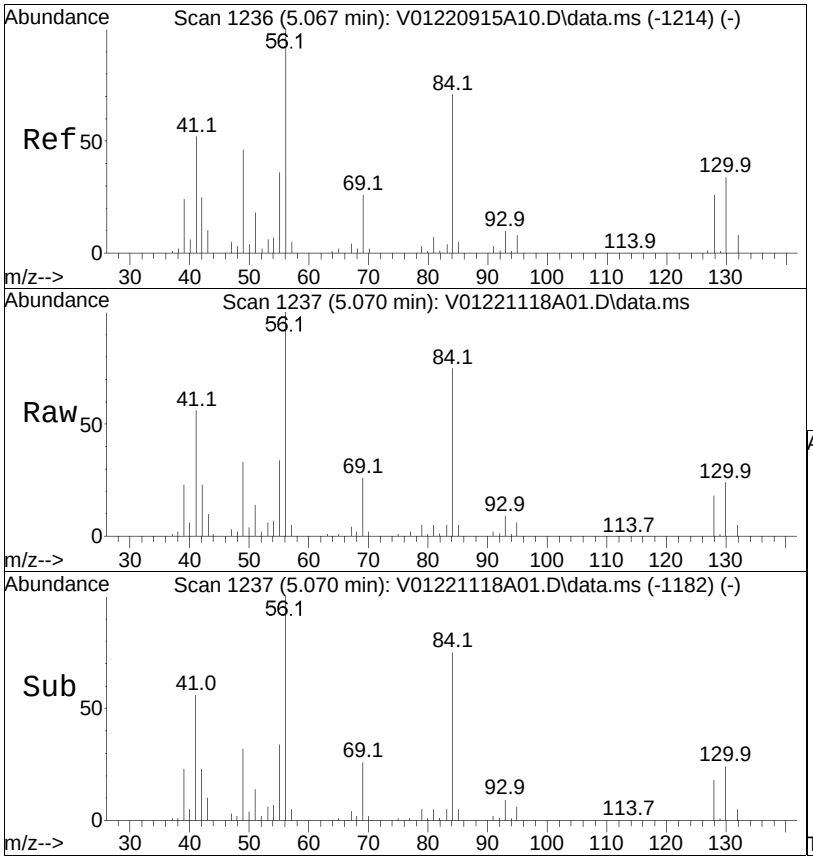


#30
Bromochloromethane
Concen: 10.80 ug/L
RT: 5.058 min Scan# 1233
Delta R.T. -0.001 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:128 Resp: 80296

Ion	Ratio	Lower	Upper
128	100		
49	186.2	140.4	210.6
130	131.5	103.1	154.7

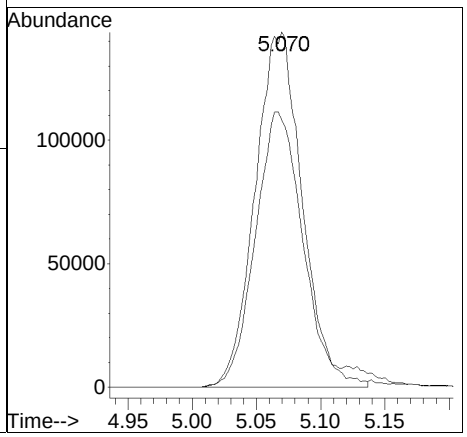


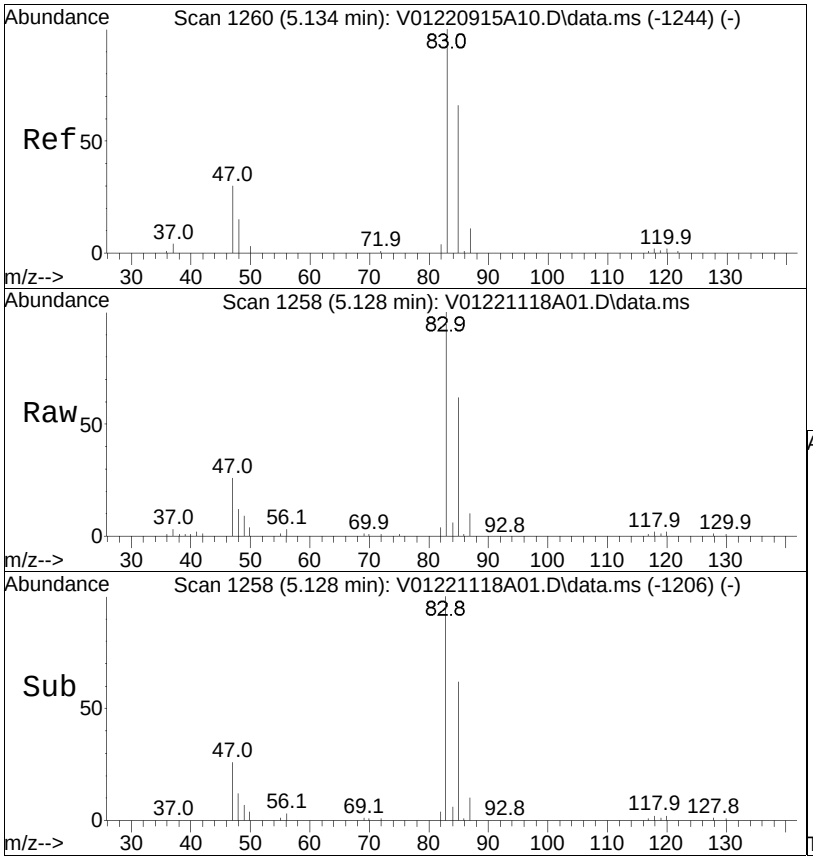


#31
Cyclohexane
Concen: 11.29 ug/L
RT: 5.070 min Scan# 1237
Delta R.T. 0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 56 Resp: 367960

Ion	Ratio	Lower	Upper
56	100		
84	77.3	53.6	111.4

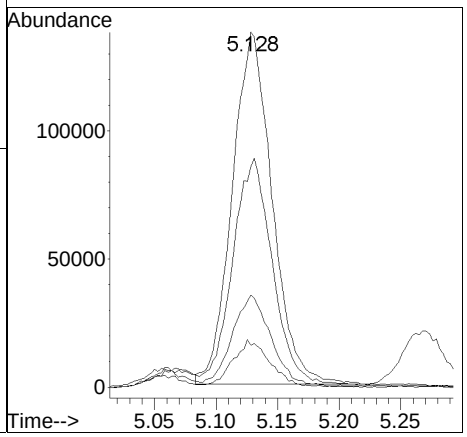


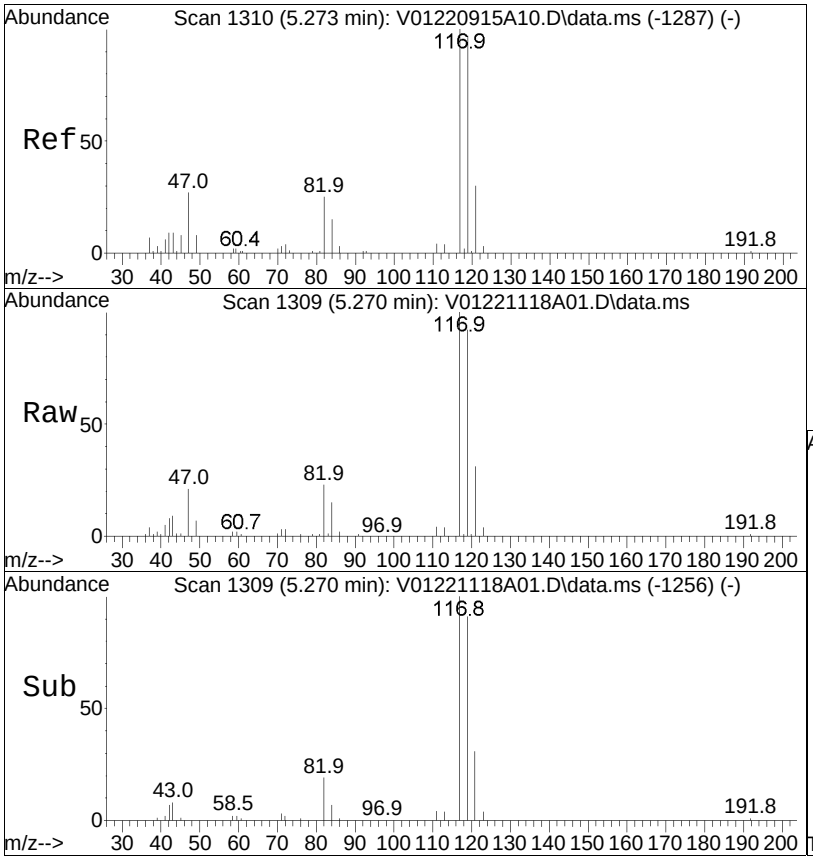


#32
Chloroform
Concen: 11.67 ug/L
RT: 5.128 min Scan# 1258
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 83 Resp: 310057

Ion	Ratio	Lower	Upper
83	100		
85	63.5	42.3	87.8
47	25.0	17.8	37.0
48	12.1	9.3	19.3

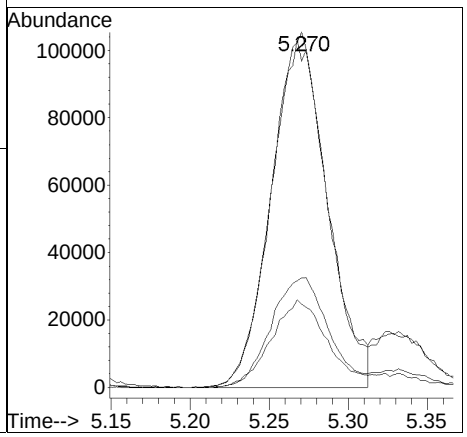


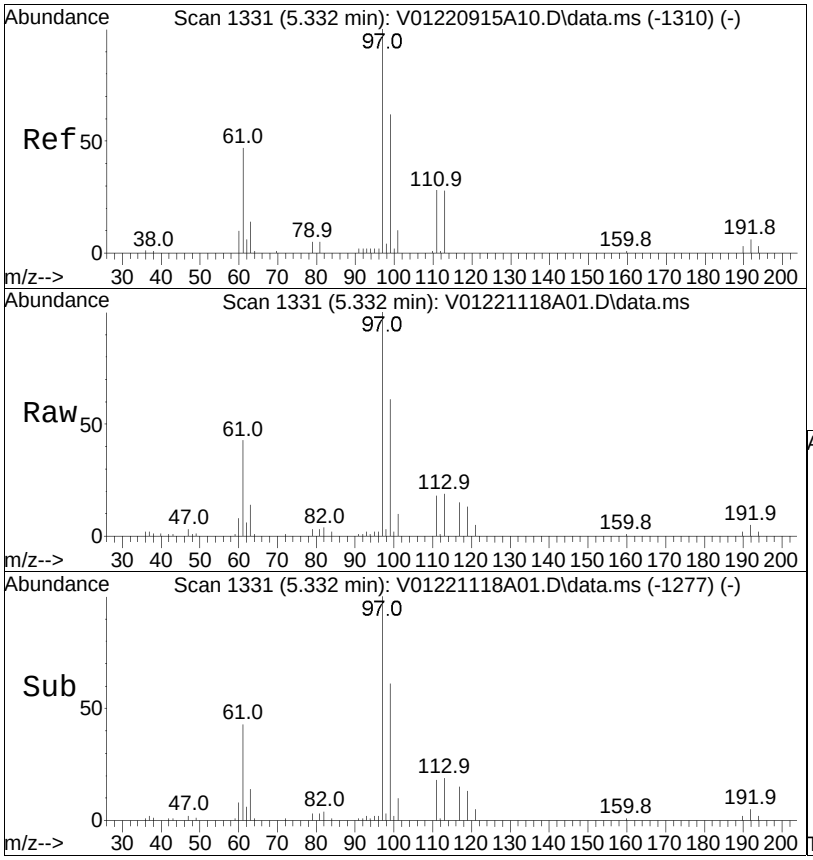


#34
Carbon tetrachloride
Concen: 11.31 ug/L
RT: 5.270 min Scan# 1309
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:117 Resp: 259480

Ion	Ratio	Lower	Upper
117	100		
119	98.5	62.1	128.9
121	31.6	19.8	41.0
82	24.8	17.1	35.5

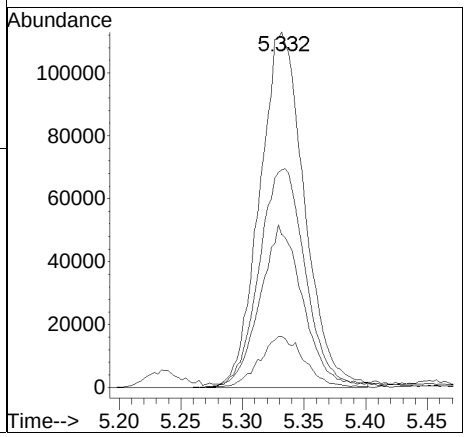


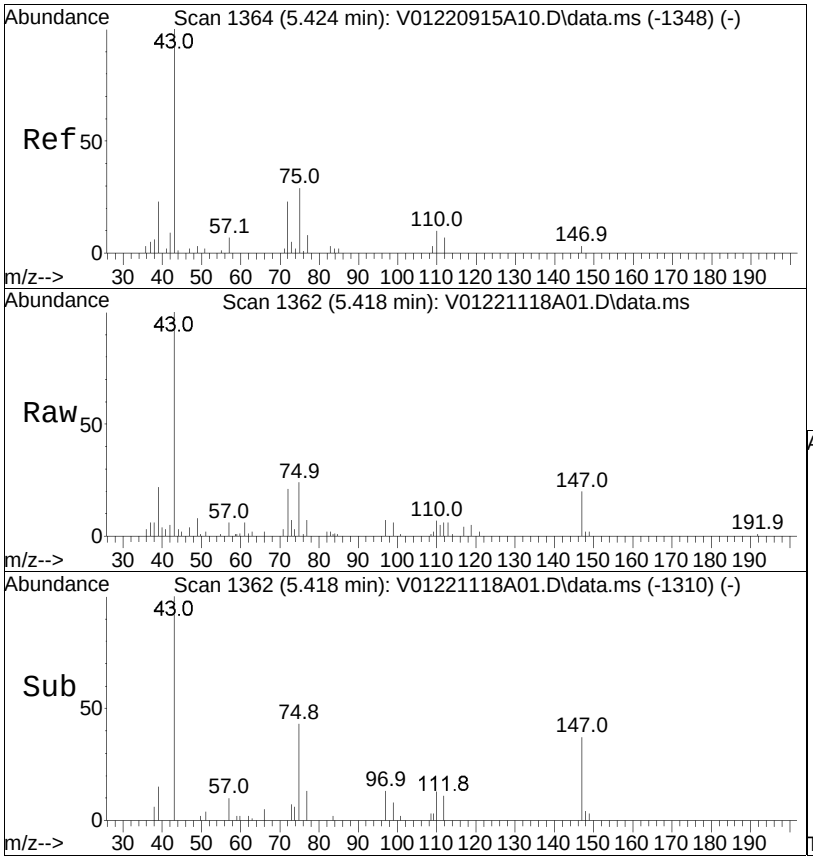


#37
1,1,1-Trichloroethane
Concen: 11.62 ug/L
RT: 5.332 min Scan# 1331
Delta R.T. -0.000 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 97 Resp: 285451

Ion	Ratio	Lower	Upper
97	100		
99	63.9	41.7	86.7
61	42.5	29.4	61.2
63	14.3	9.4	19.4

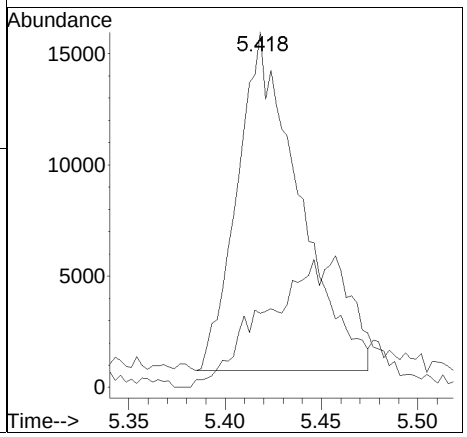


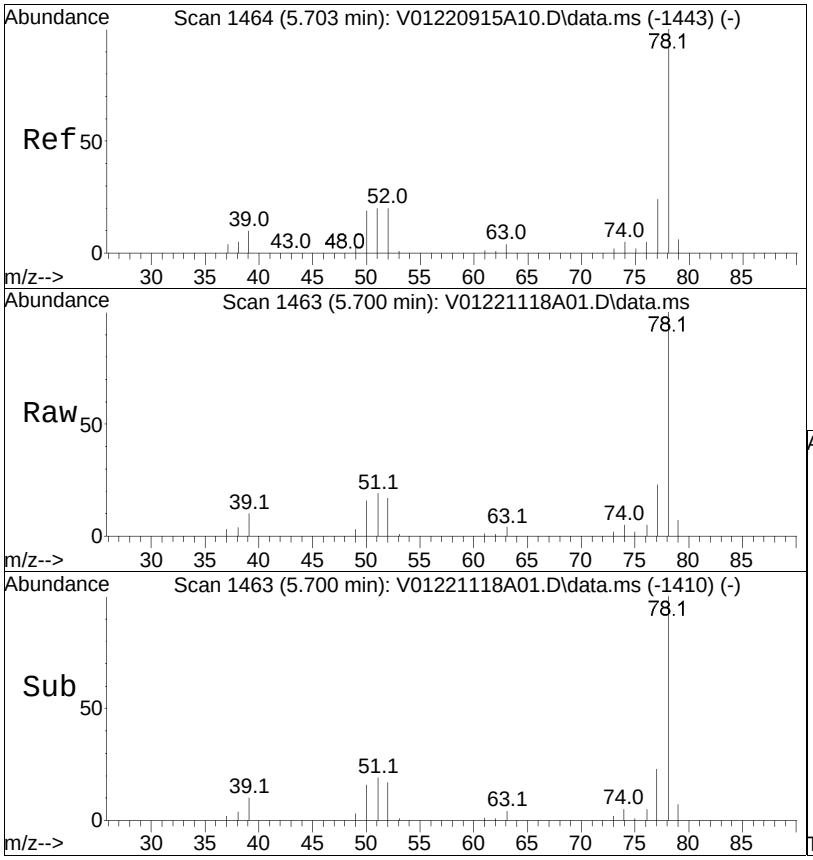


#39
2-Butanone
Concen: 7.25 ug/L
RT: 5.418 min Scan# 1362
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 43 Resp: 33651

Ion	Ratio	Lower	Upper
43	100		
72	17.3	45.8	68.6#

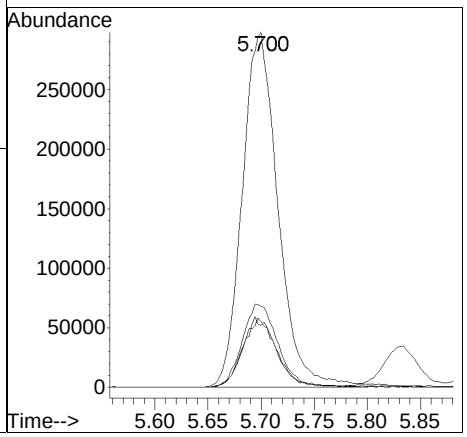


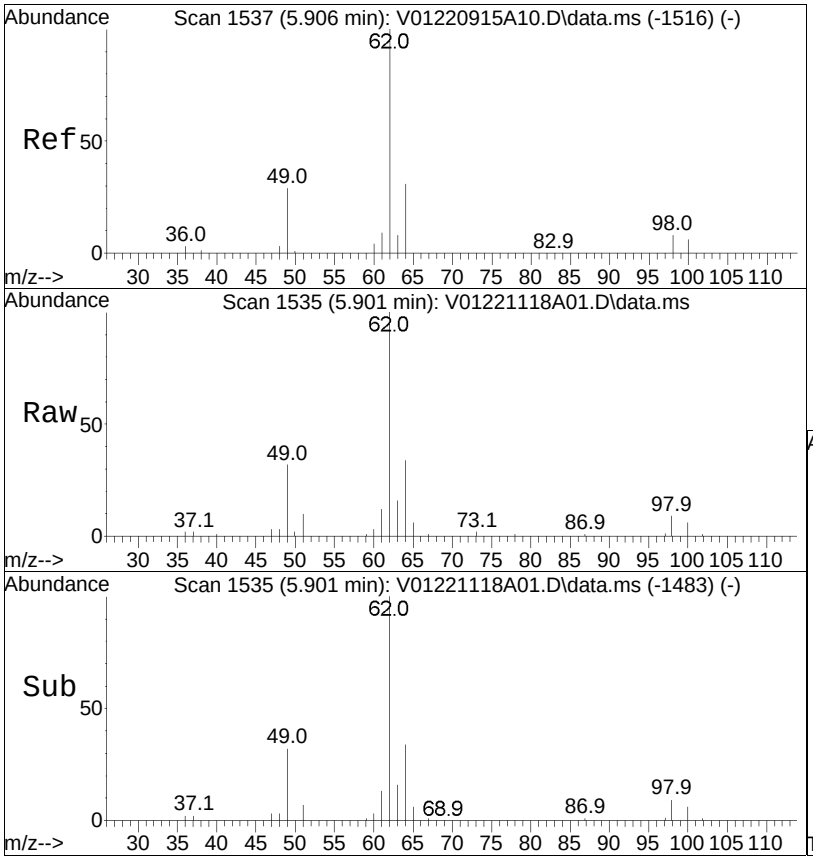


#41
Benzene
Concen: 11.37 ug/L
RT: 5.700 min Scan# 1463
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 78 Resp: 698985

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.7	32.5
51	18.8	11.6	24.2
52	18.7	10.9	22.5

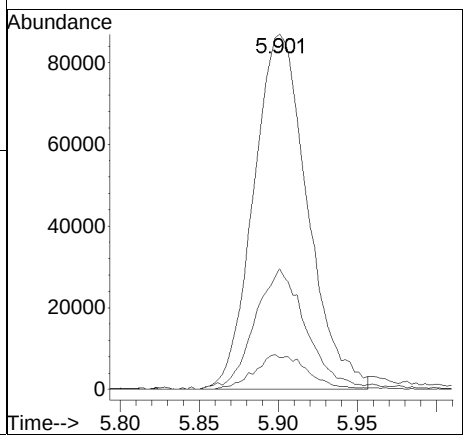


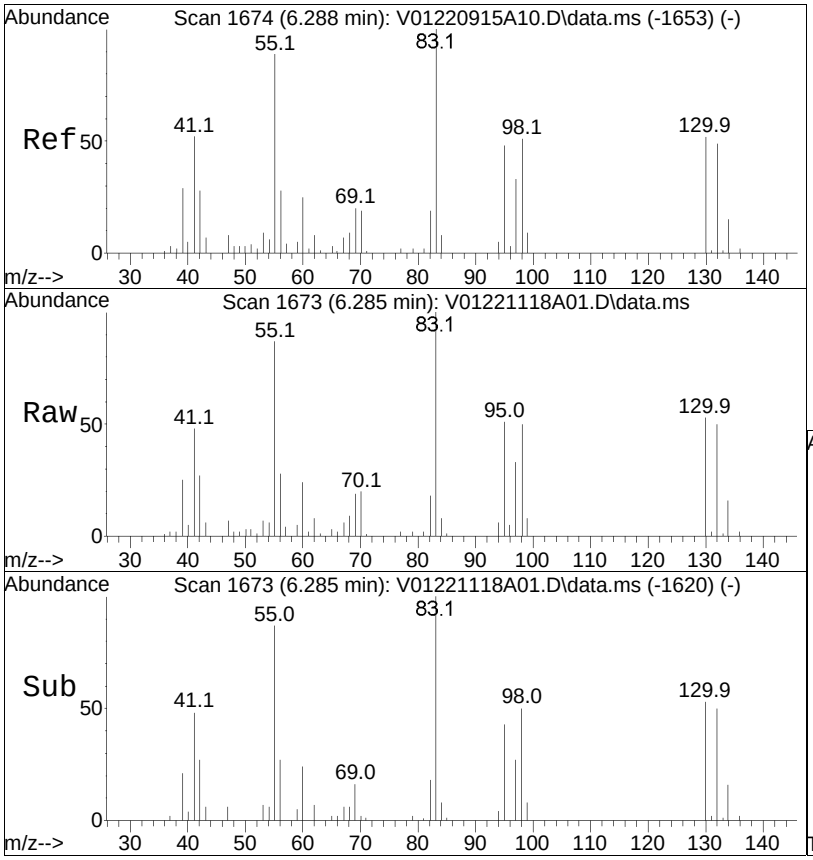


#44
1,2-Dichloroethane
Concen: 10.34 ug/L
RT: 5.901 min Scan# 1535
Delta R.T. -0.005 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 62 Resp: 206118

Ion	Ratio	Lower	Upper
62	100		
64	32.4	12.1	52.1
98	9.6	0.0	28.8

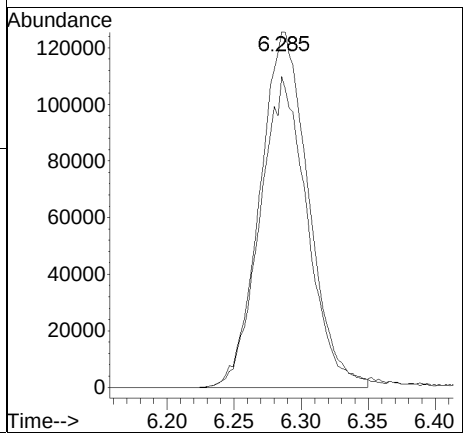


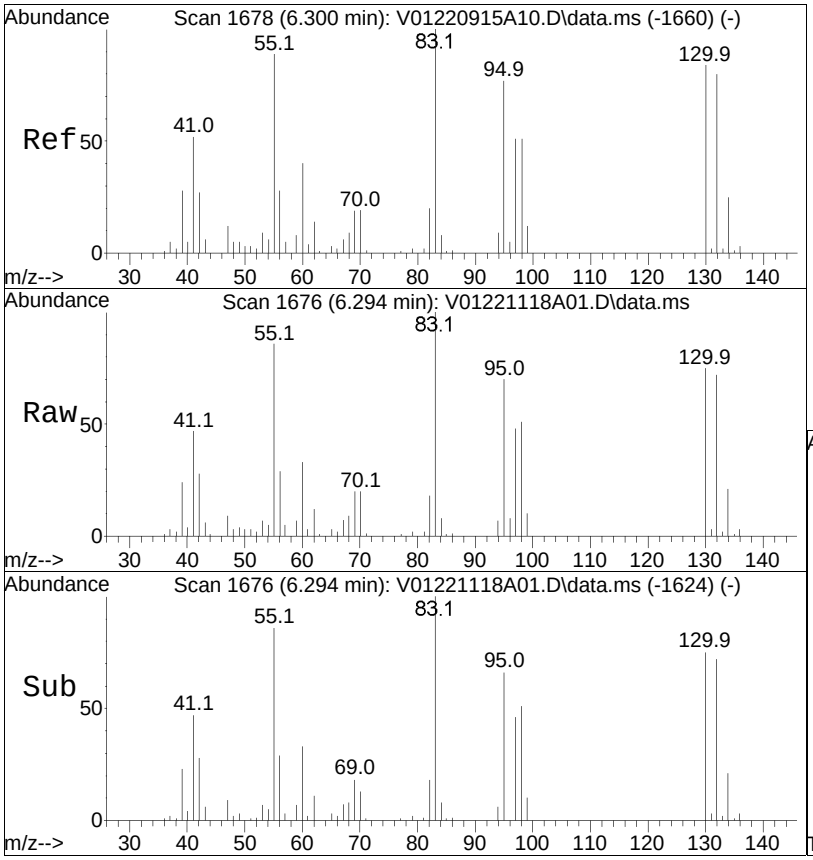


#47
Methyl cyclohexane
Concen: 11.63 ug/L
RT: 6.285 min Scan# 1673
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 83 Resp: 316699

Ion	Ratio	Lower	Upper
83	100		
55	86.0	64.6	96.8

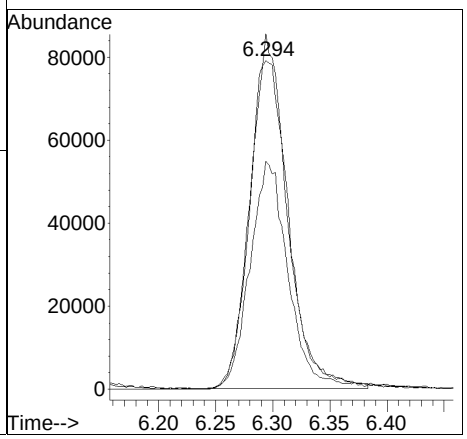


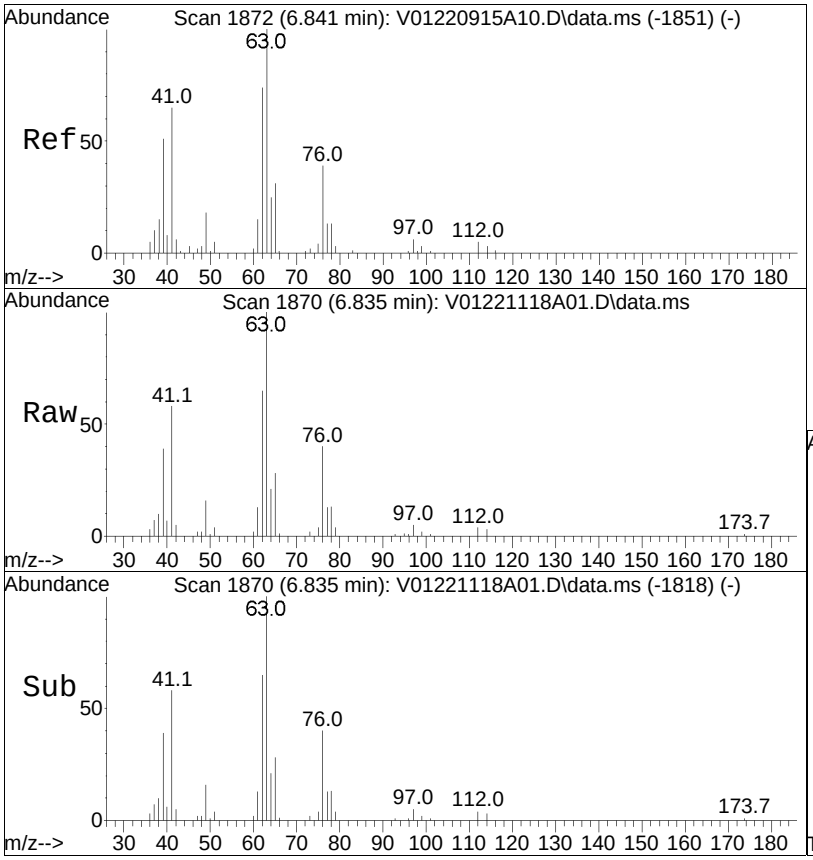


#48
Trichloroethene
Concen: 10.61 ug/L
RT: 6.294 min Scan# 1676
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 95 Resp: 189546

Ion	Ratio	Lower	Upper
95	100		
97	67.4	54.4	81.6
130	103.7	80.6	120.8

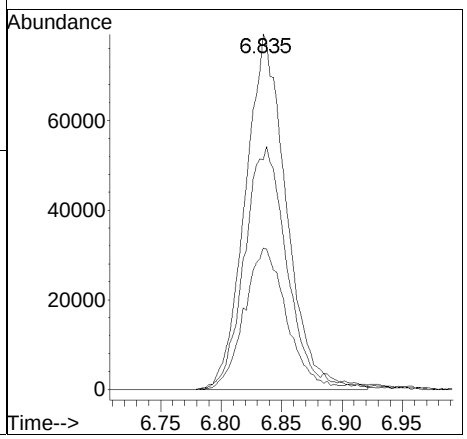


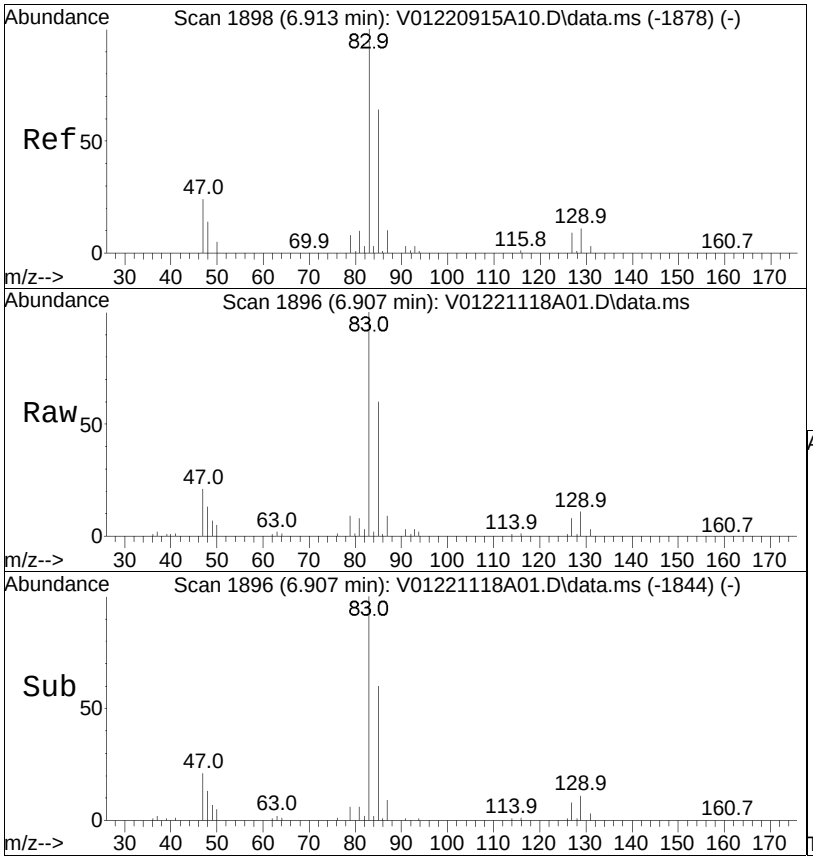


#51
1,2-Dichloropropane
Concen: 11.06 ug/L
RT: 6.835 min Scan# 1870
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 63 Resp: 187931

Ion	Ratio	Lower	Upper
63	100		
62	70.8	57.2	85.8
76	41.0	33.6	50.4

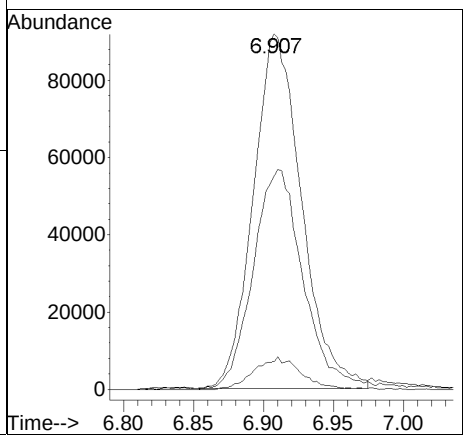


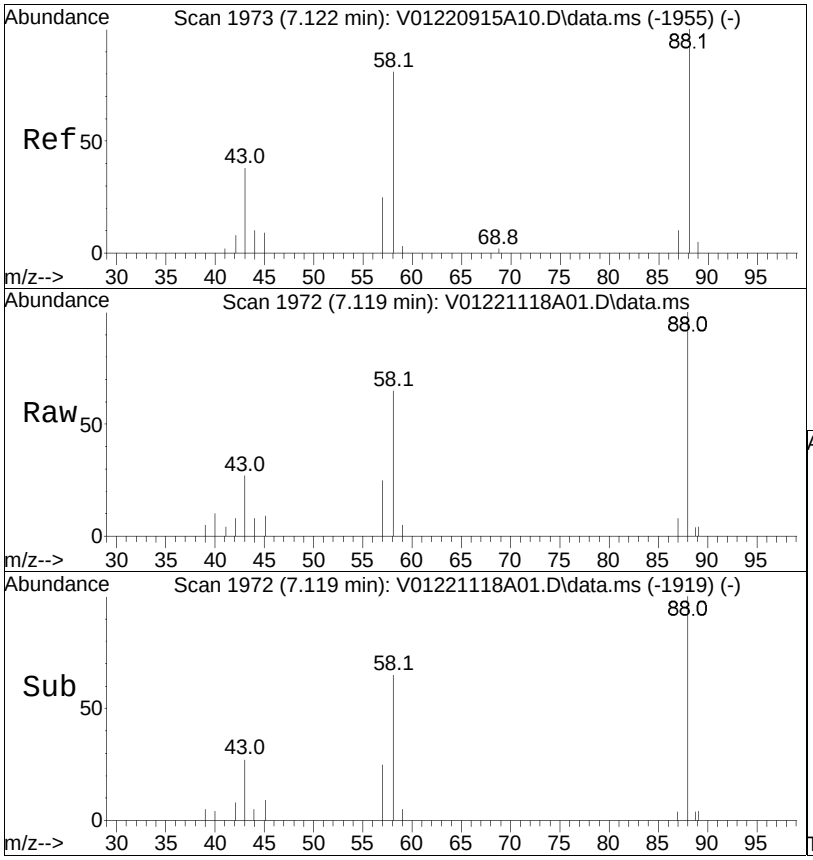


#54
Bromodichloromethane
Concen: 10.82 ug/L
RT: 6.907 min Scan# 1896
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 83 Resp: 220692

Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.4
127	8.8	6.9	10.3

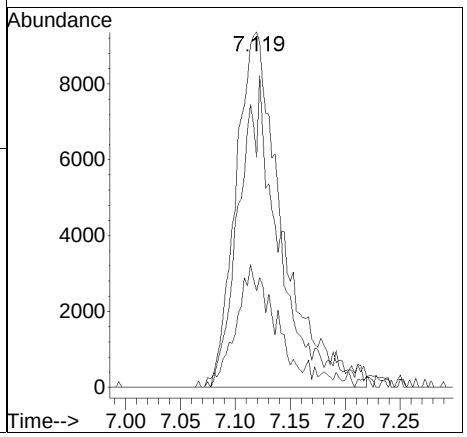


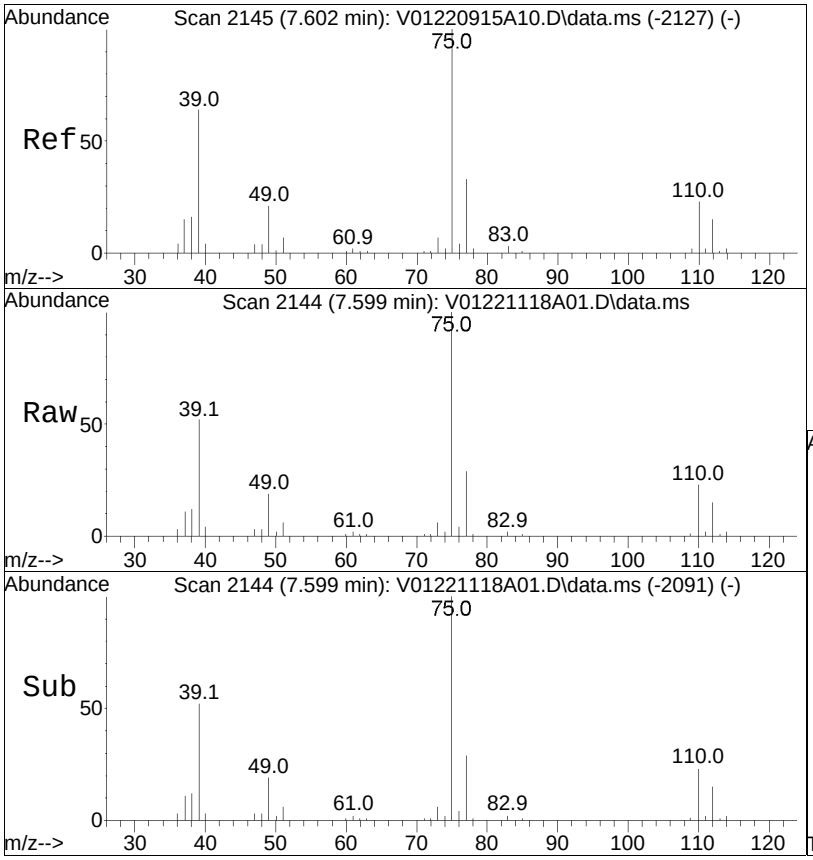


#57
1,4-Dioxane
Concen: 322.70 ug/L M1
RT: 7.119 min Scan# 1972
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 88 Resp: 27734

Ion	Ratio	Lower	Upper
88	100		
58	34.2	54.8	82.2#
43	23.0	29.3	43.9#

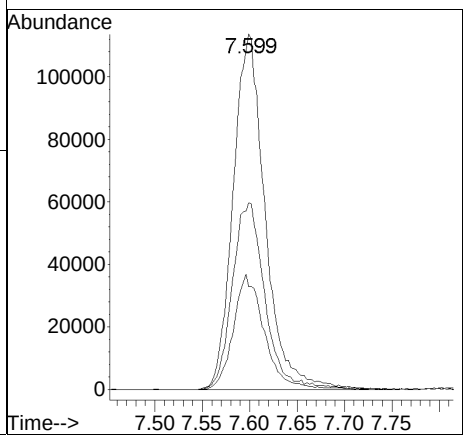


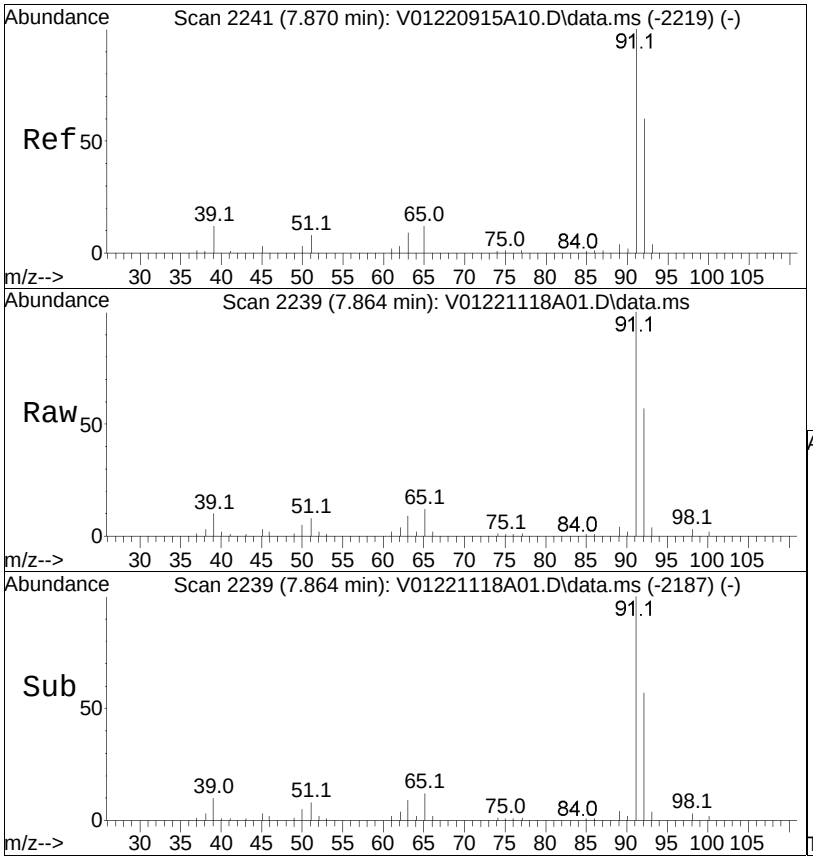


#58
cis-1,3-Dichloropropene
Concen: 11.03 ug/L
RT: 7.599 min Scan# 2144
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 75 Resp: 266965

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7
39	53.7	42.6	63.8

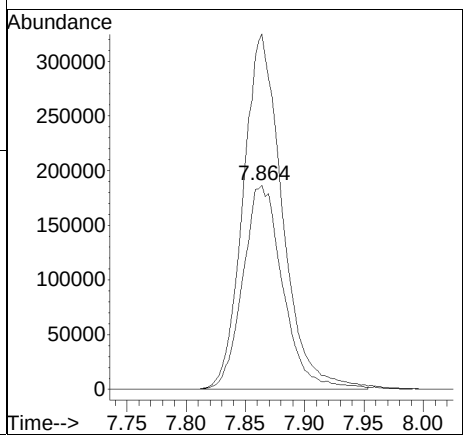


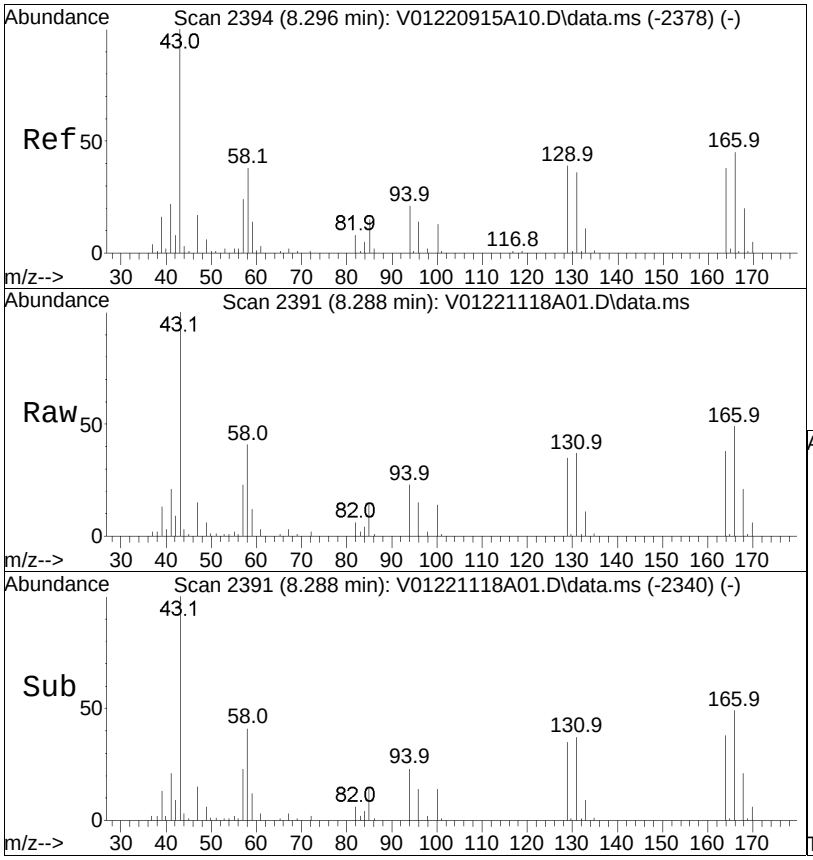


#61
Toluene
Concen: 10.80 ug/L
RT: 7.864 min Scan# 2239
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 92 Resp: 438866

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.5	206.3

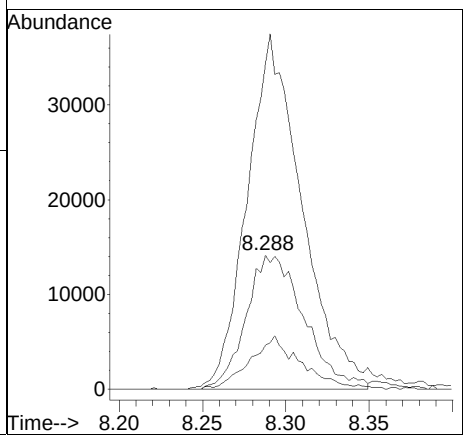


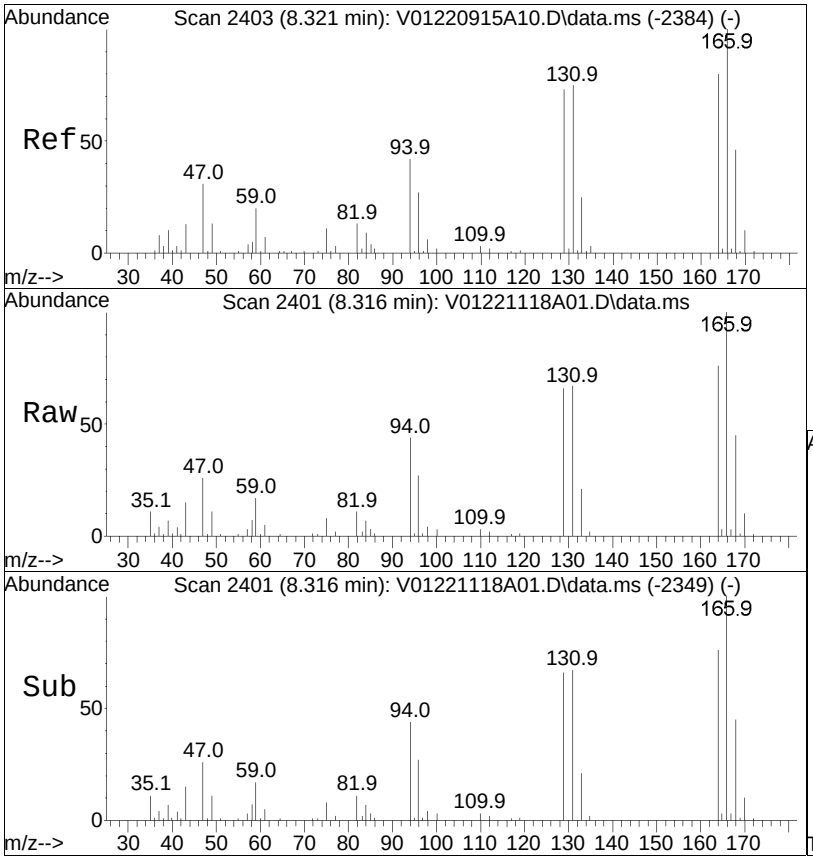


#62
4-Methyl-2-pentanone
Concen: 8.58 ug/L
RT: 8.288 min Scan# 2391
Delta R.T. -0.008 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 58 Resp: 34392

Ion	Ratio	Lower	Upper
58	100		
100	35.6	31.8	47.6
43	255.0	212.5	318.7

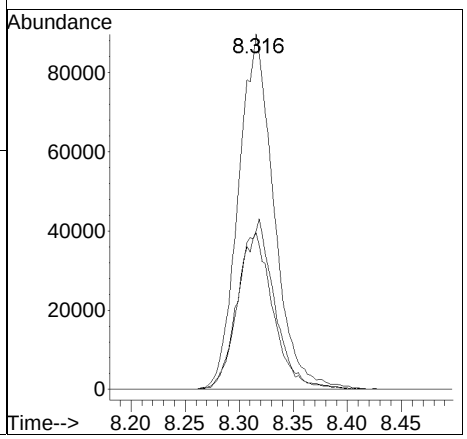


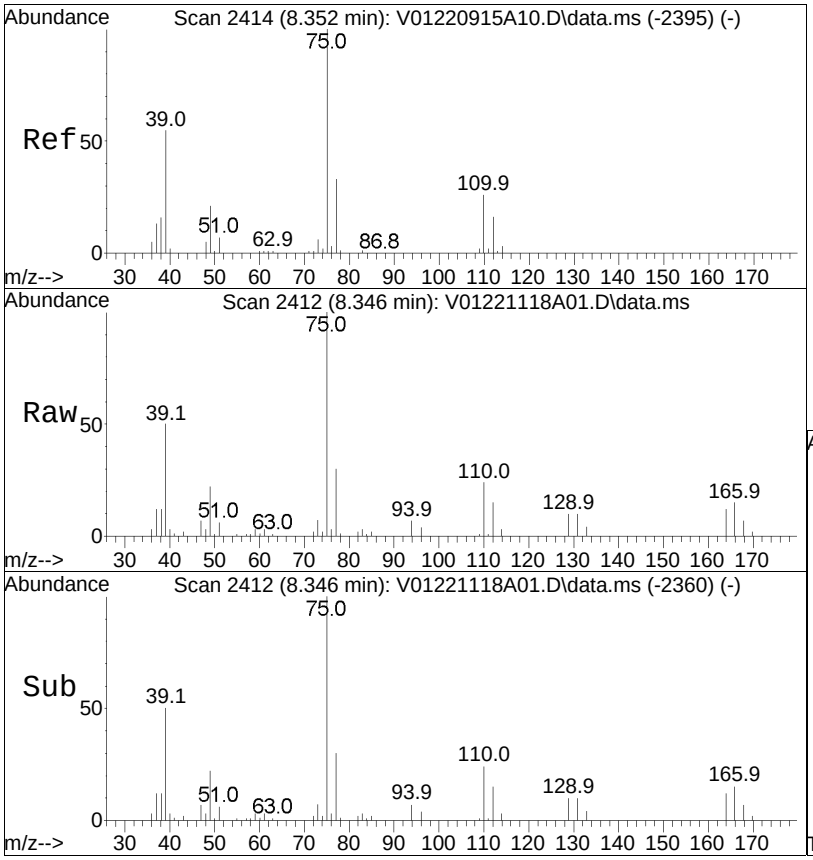


#63
Tetrachloroethene
Concen: 11.54 ug/L
RT: 8.316 min Scan# 2401
Delta R.T. -0.005 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:166 Resp: 206033

Ion	Ratio	Lower	Upper
166	100		
168	48.1	27.4	67.4
94	44.5	24.8	64.8

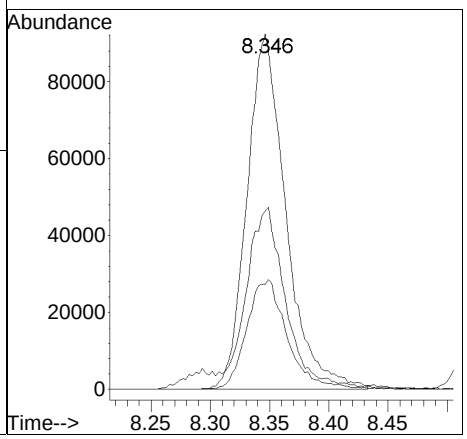


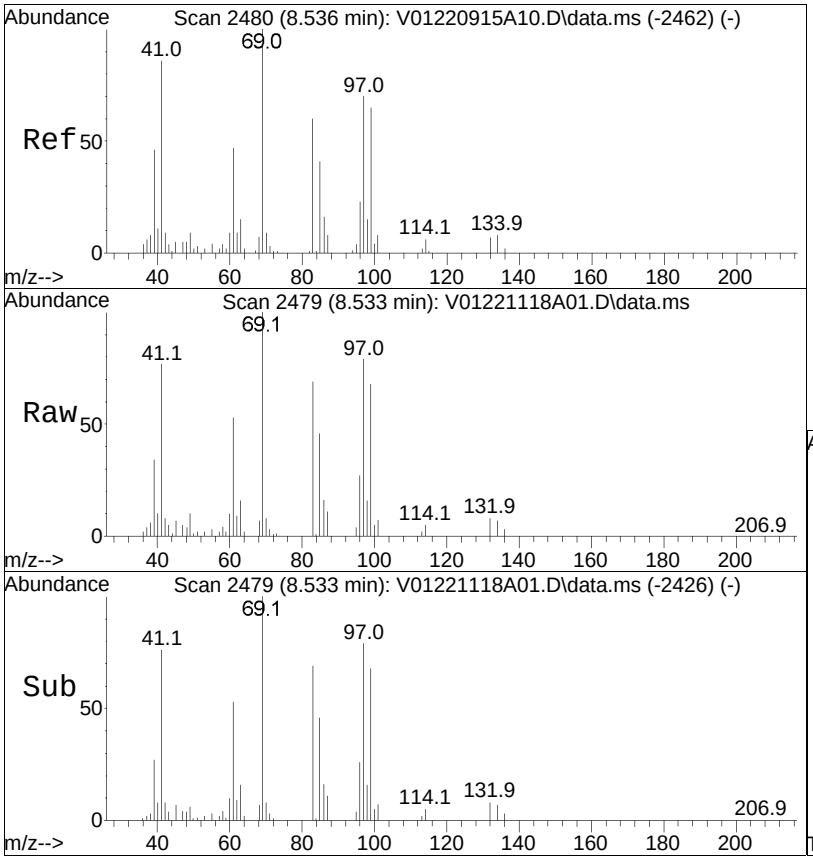


#65
trans-1,3-Dichloropropene
Concen: 10.28 ug/L
RT: 8.346 min Scan# 2412
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 75 Resp: 211332

Ion	Ratio	Lower	Upper
75	100		
77	32.3	11.8	51.8
39	50.3	30.2	70.2

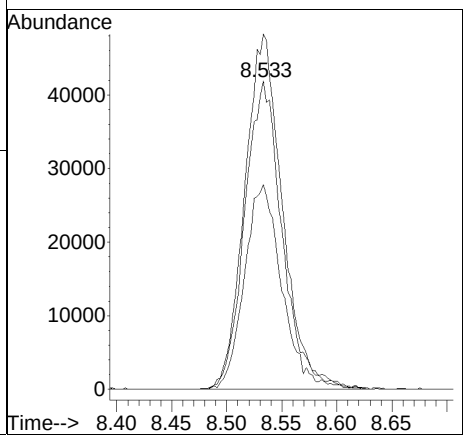


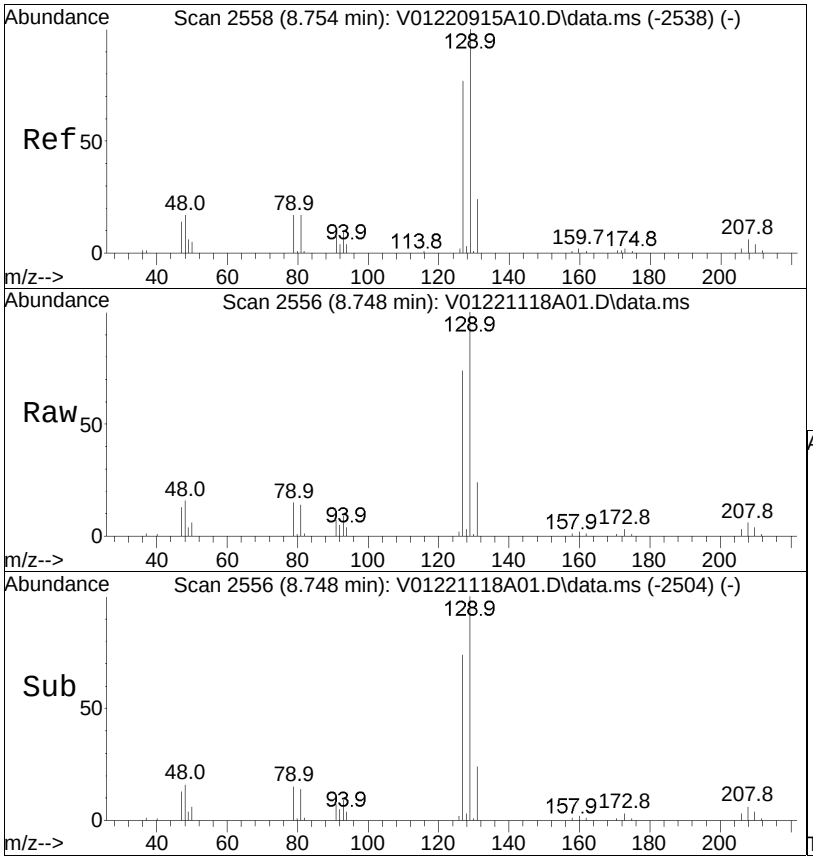


#68
1,1,2-Trichloroethane
Concen: 10.51 ug/L
RT: 8.533 min Scan# 2479
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 83 Resp: 99511

Ion	Ratio	Lower	Upper
83	100		
97	115.8	96.7	136.7
85	66.4	45.3	85.3

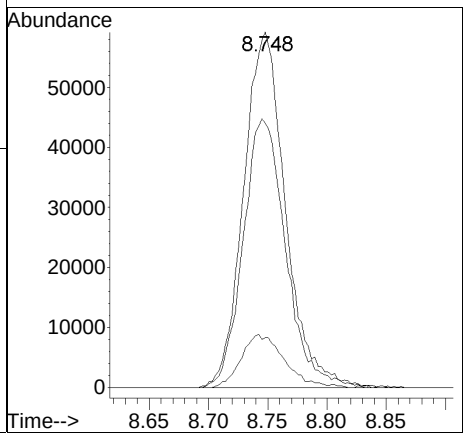


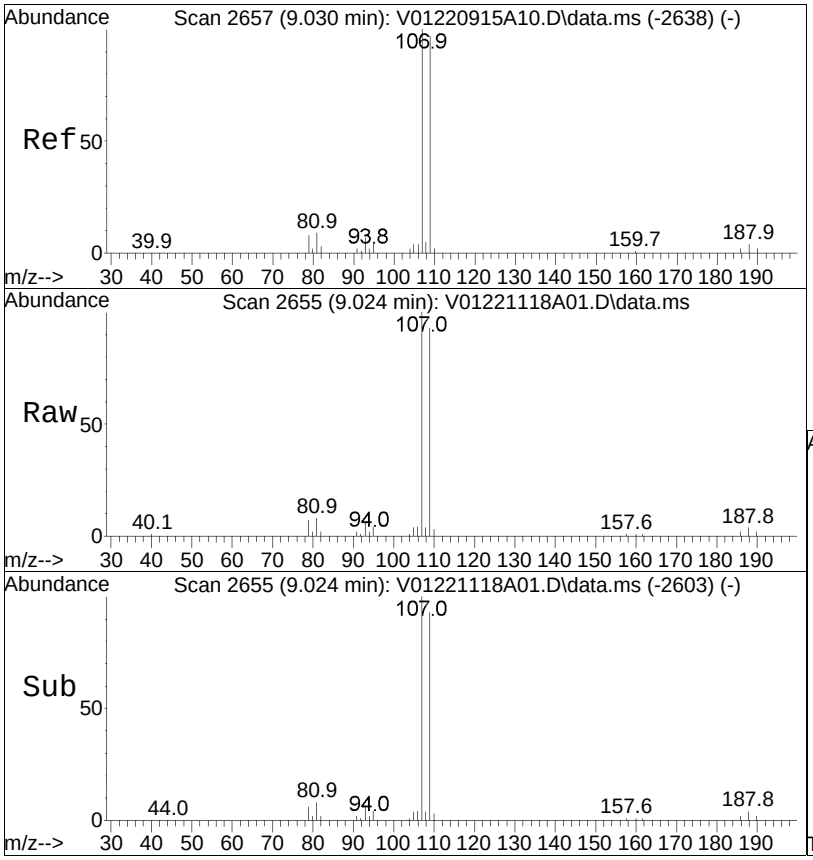


#69
Chlorodibromomethane
Concen: 9.84 ug/L
RT: 8.748 min Scan# 2556
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:129 Resp: 145235

Ion	Ratio	Lower	Upper
129	100		
81	15.2	0.0	37.9
127	77.0	56.6	96.6

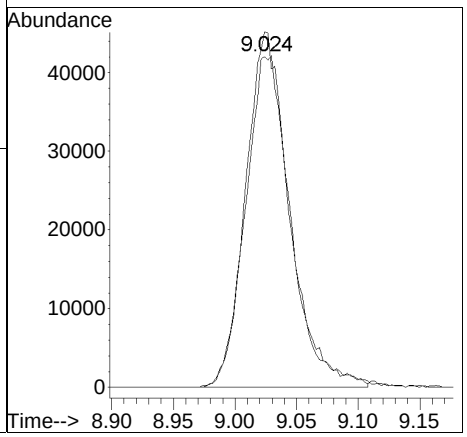


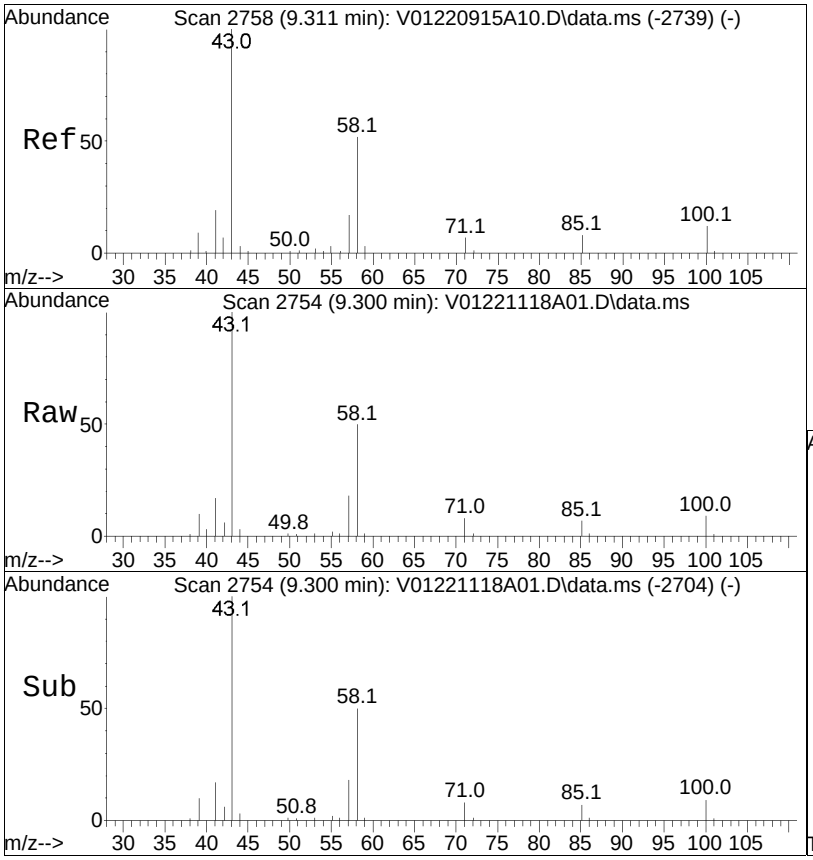


#71
1,2-Dibromoethane
Concen: 9.86 ug/L
RT: 9.024 min Scan# 2655
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:107 Resp: 112736

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

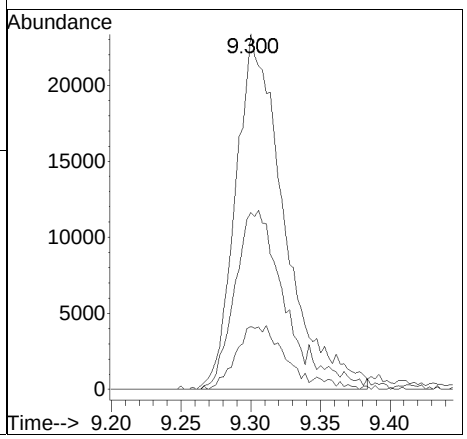


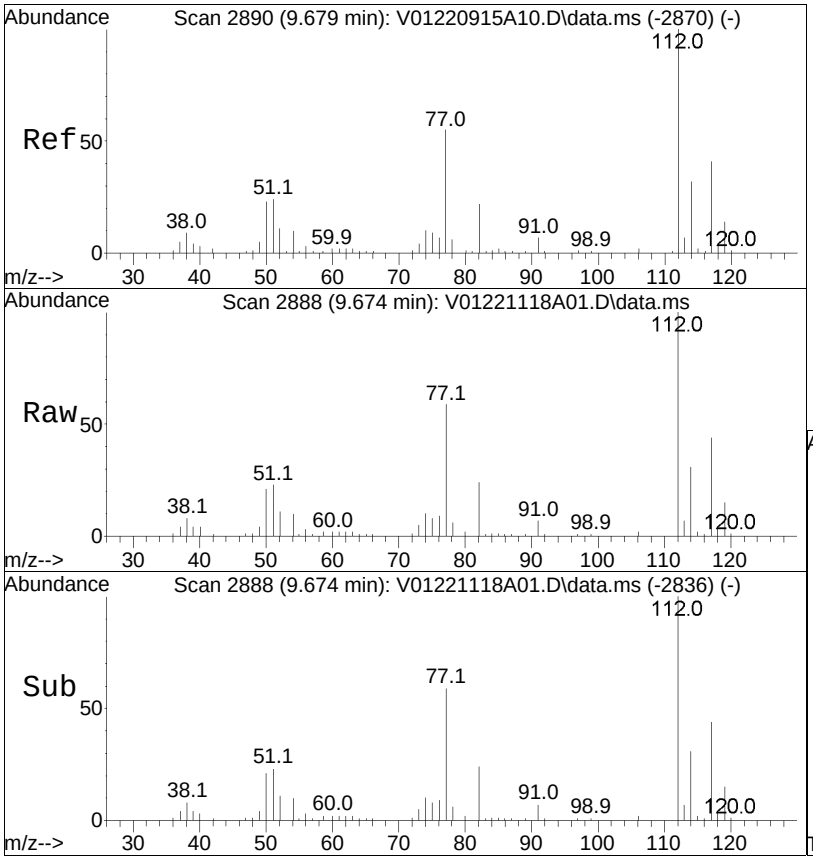


#72
2-Hexanone
Concen: 8.02 ug/L M1
RT: 9.300 min Scan# 2754
Delta R.T. -0.011 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 43 Resp: 56754

Ion	Ratio	Lower	Upper
43	100		
58	47.5	40.8	61.2
57	17.4	14.2	21.4

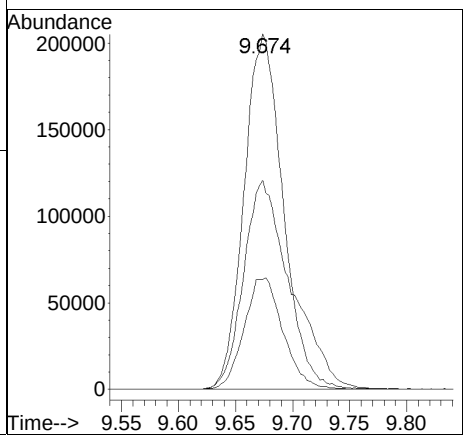


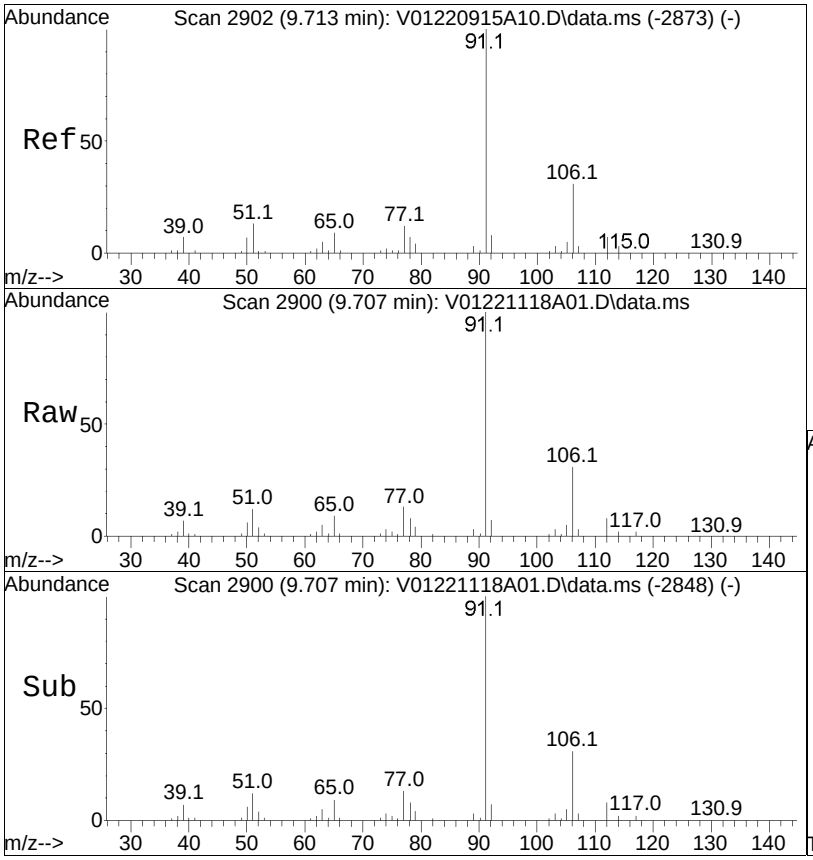


#73
Chlorobenzene
Concen: 10.65 ug/L
RT: 9.674 min Scan# 2888
Delta R.T. -0.005 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:112 Resp: 486432

Ion	Ratio	Lower	Upper
112	100		
77	72.5	59.8	89.6
114	31.6	25.4	38.2

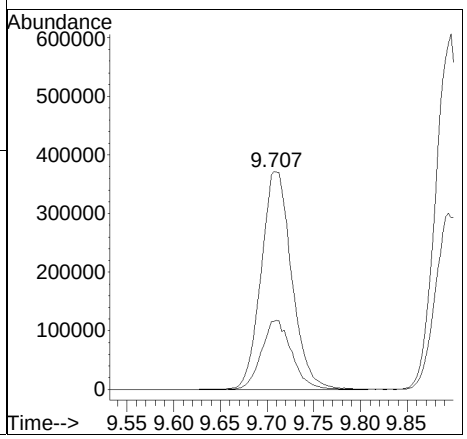


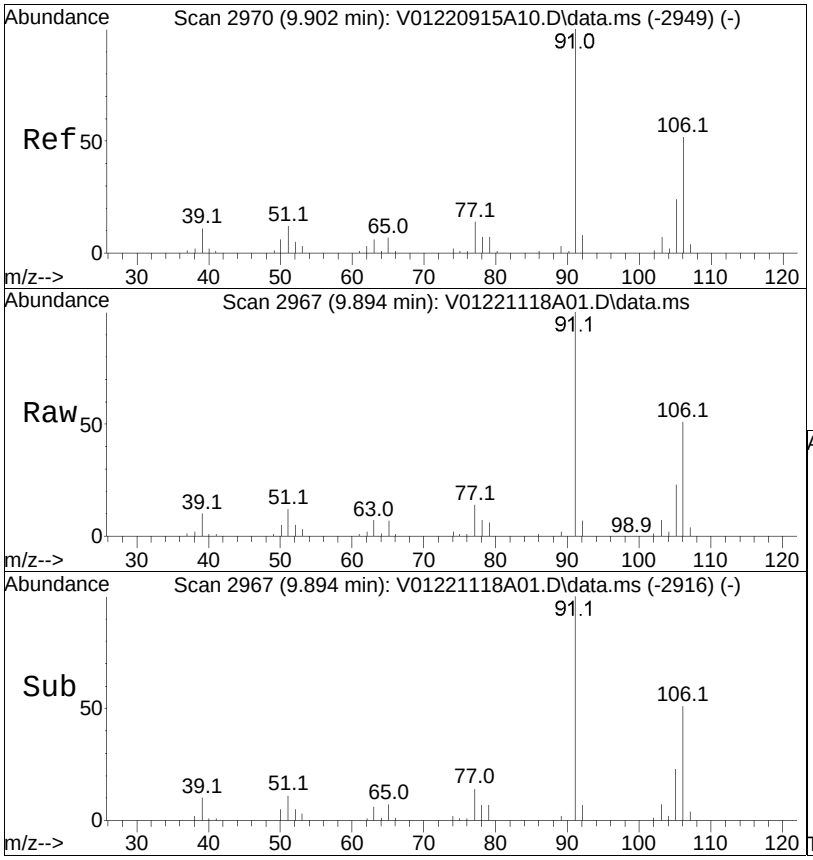


#74
Ethylbenzene
Concen: 11.00 ug/L
RT: 9.707 min Scan# 2900
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 91 Resp: 848441

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.7	37.1

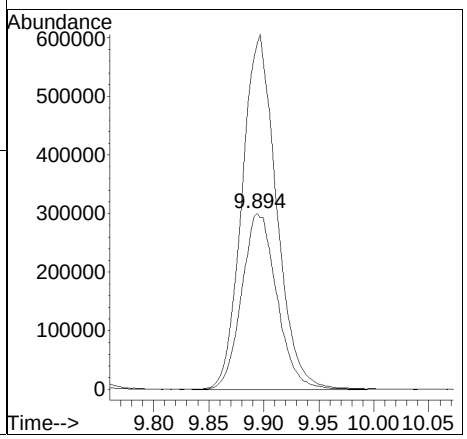


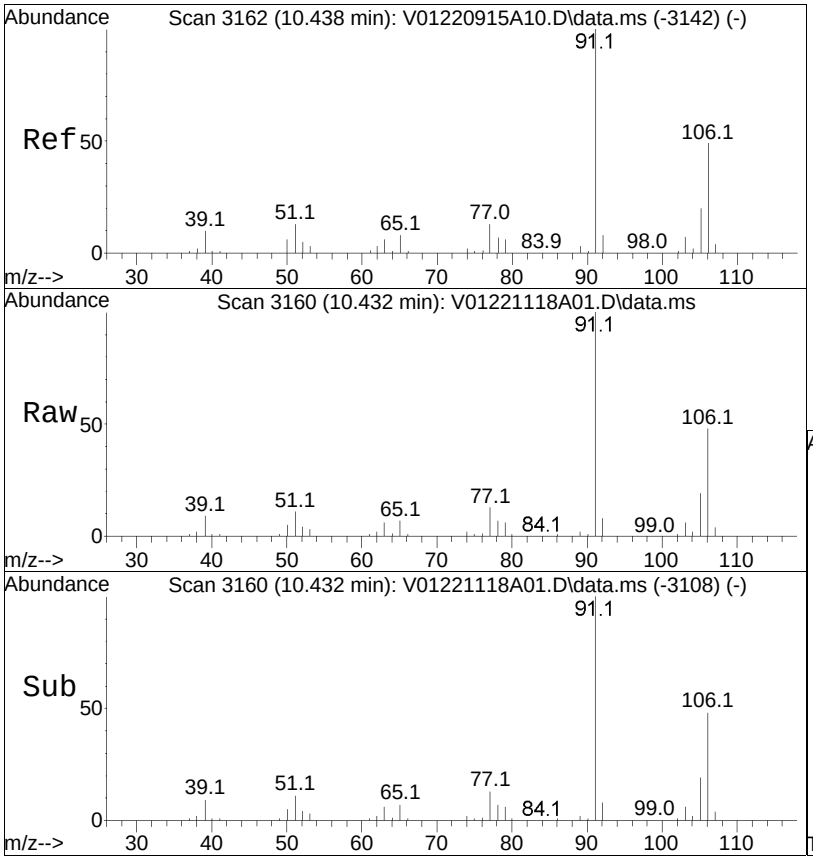


#76
p/m Xylene
Concen: 21.84 ug/L
RT: 9.894 min Scan# 2967
Delta R.T. -0.008 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:106 Resp: 667087

Ion	Ratio	Lower	Upper
106	100		
91	197.3	162.9	244.3

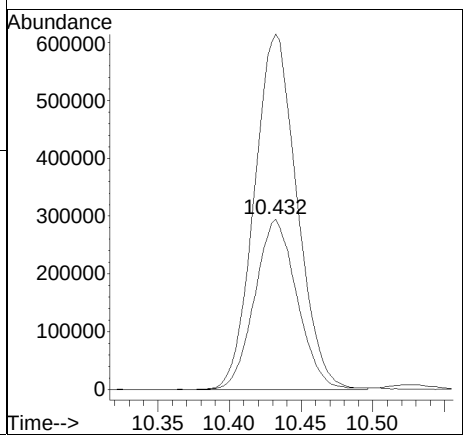


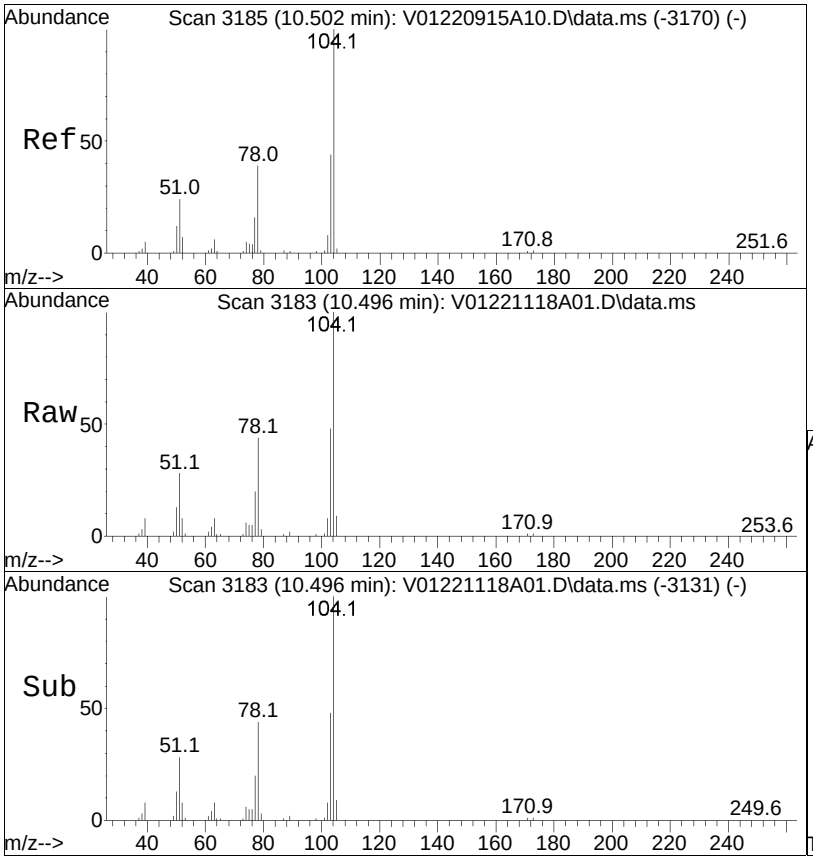


#77
o Xylene
Concen: 20.80 ug/L
RT: 10.432 min Scan# 3160
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:106 Resp: 604240

Ion	Ratio	Lower	Upper
106	100		
91	210.8	171.2	256.8

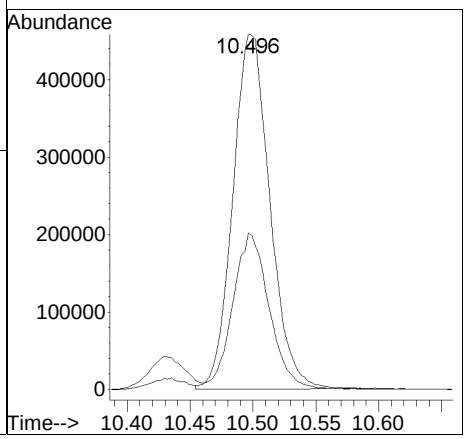


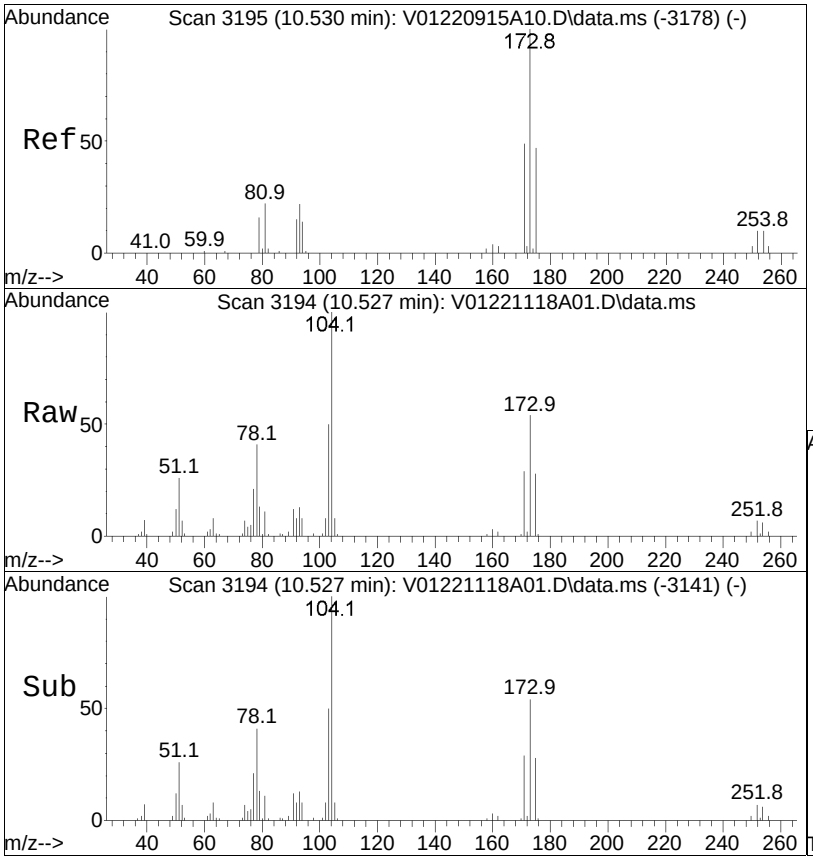


#78
Styrene
Concen: 19.98 ug/L
RT: 10.496 min Scan# 3183
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:104 Resp: 938310

Ion	Ratio	Lower	Upper
104	100		
78	43.0	34.2	51.4

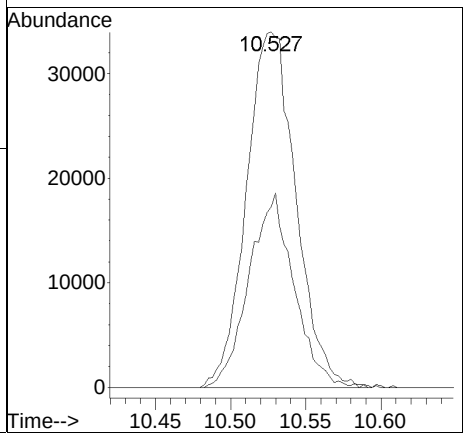


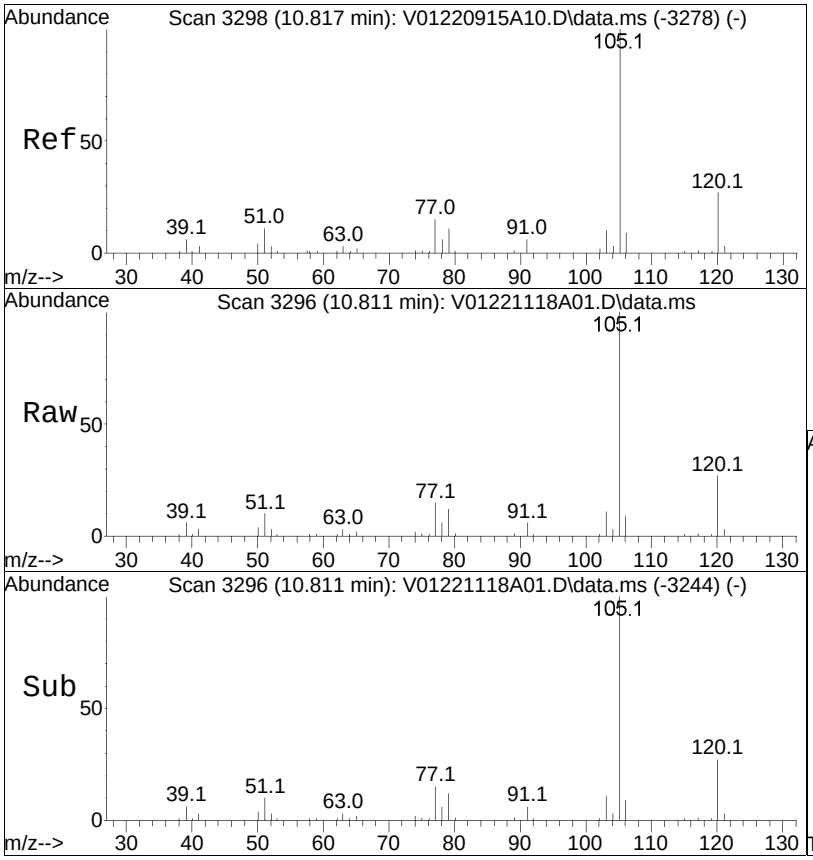


#80
Bromoform
Concen: 9.17 ug/L
RT: 10.527 min Scan# 3194
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:173 Resp: 77822

Ion	Ratio	Lower	Upper
173	100		
175	49.6	28.6	68.6

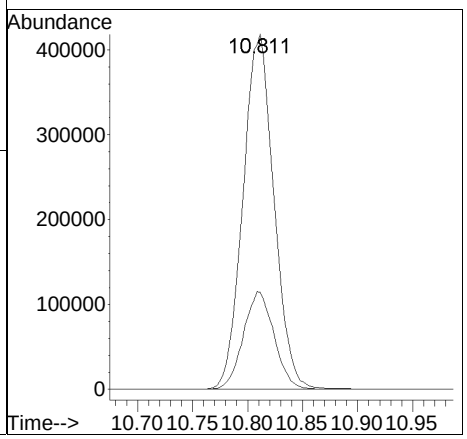


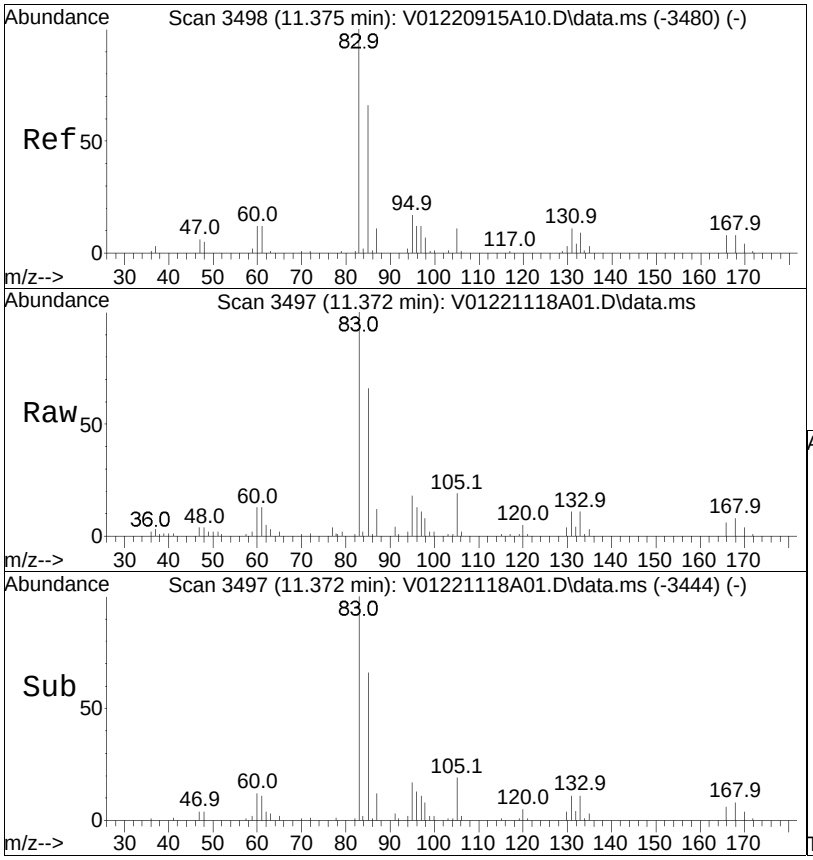


#82
Isopropylbenzene
Concen: 10.44 ug/L
RT: 10.811 min Scan# 3296
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:105 Resp: 819782

Ion	Ratio	Lower	Upper
105	100		
120	27.3	7.3	47.3

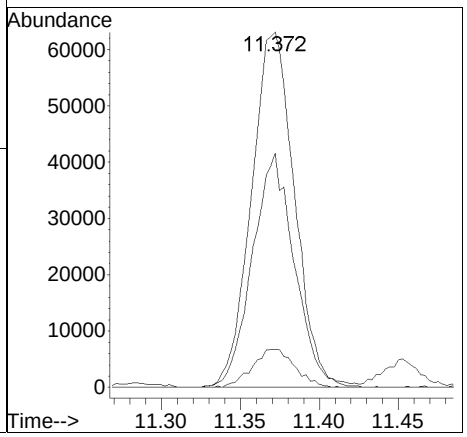


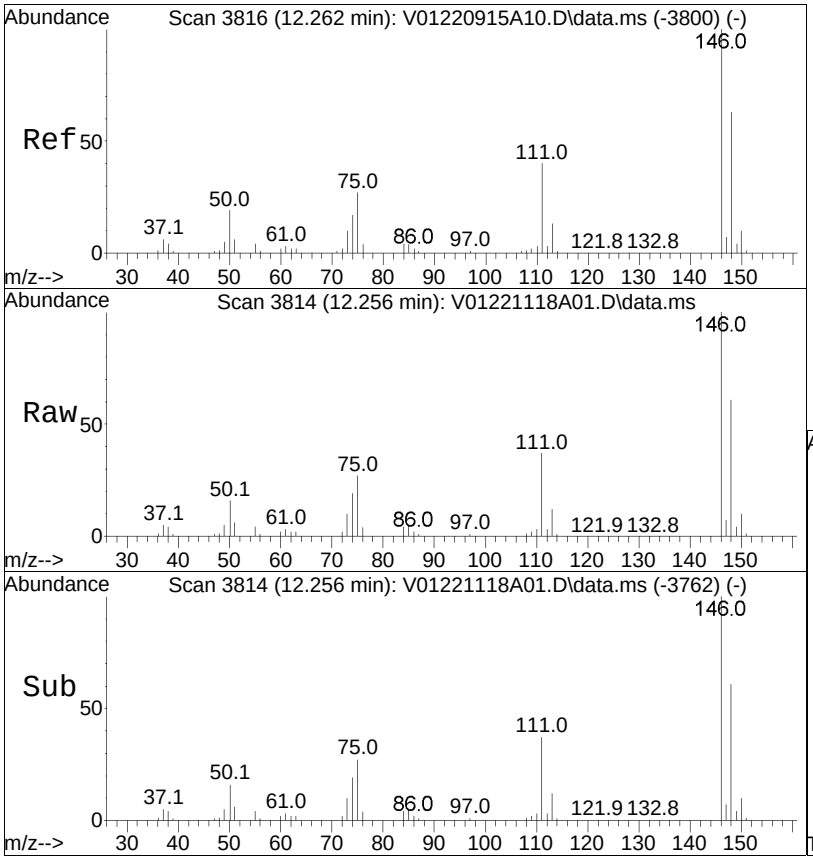


#87
1,1,2,2-Tetrachloroethane
Concen: 9.40 ug/L
RT: 11.372 min Scan# 3497
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion: 83 Resp: 119369

Ion	Ratio	Lower	Upper
83	100		
131	10.7	0.0	30.1
85	64.7	45.8	85.8

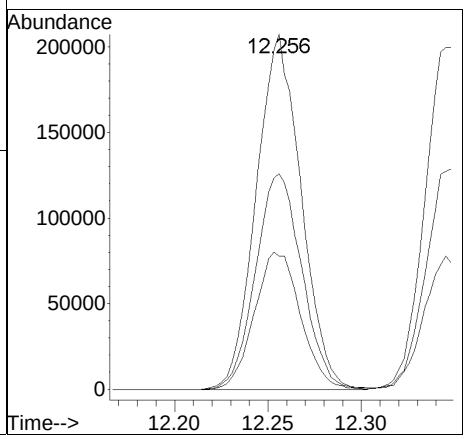


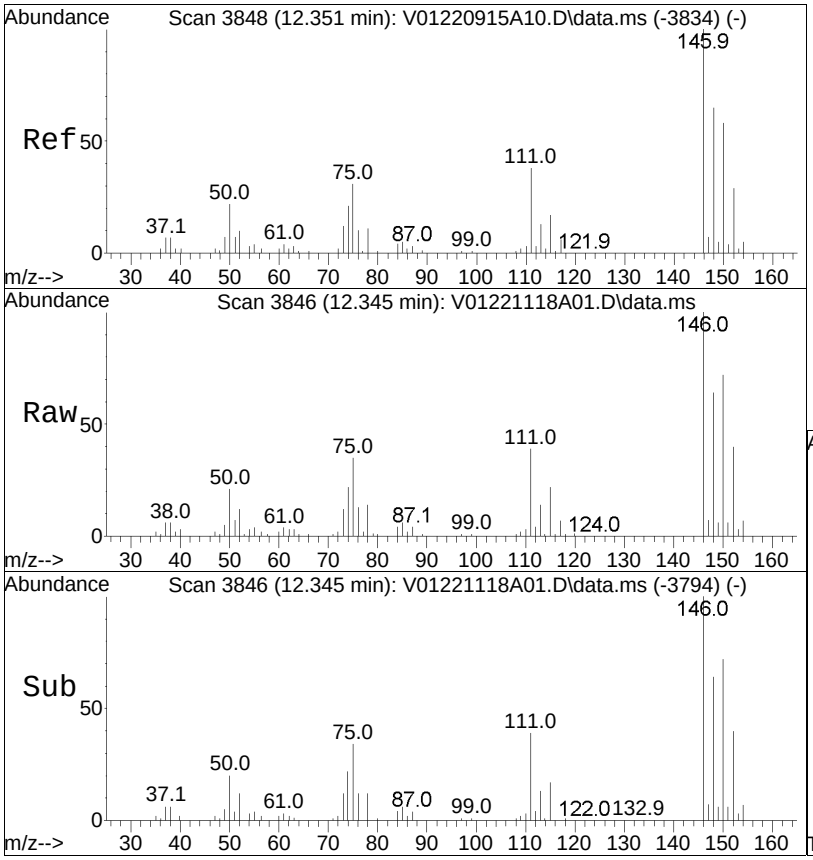


#100
1,3-Dichlorobenzene
Concen: 10.23 ug/L
RT: 12.256 min Scan# 3814
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:146 Resp: 345921

Ion	Ratio	Lower	Upper
146	100		
111	39.8	25.9	53.9
148	62.8	41.5	86.3

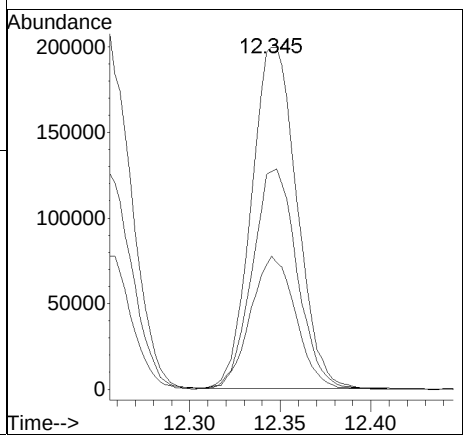


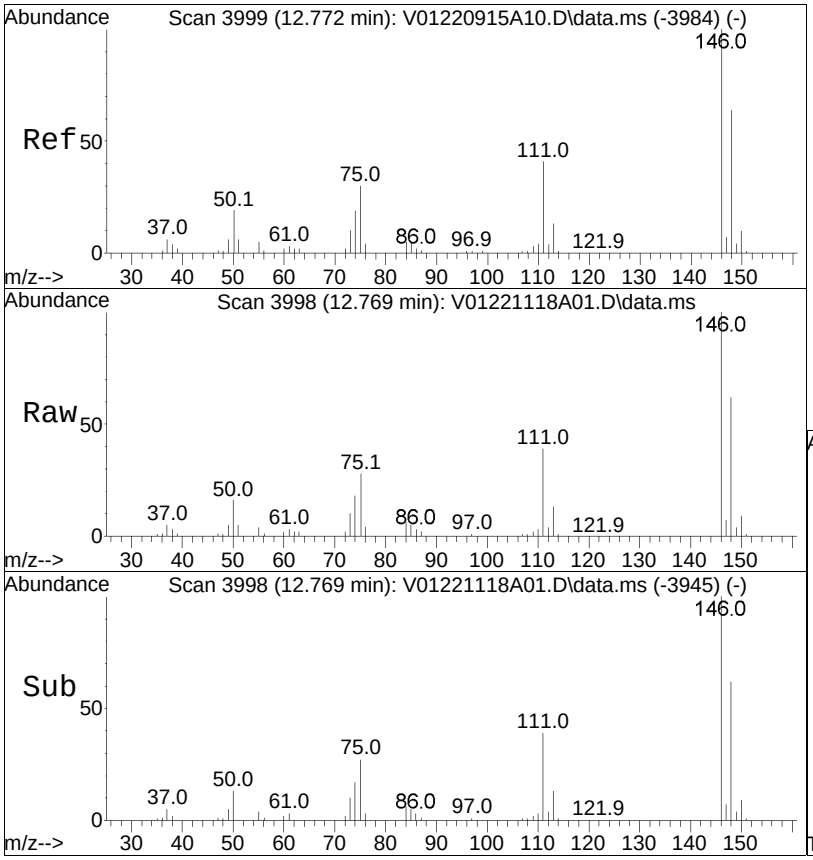


#101
1,4-Dichlorobenzene
Concen: 10.12 ug/L
RT: 12.345 min Scan# 3846
Delta R.T. -0.006 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:146 Resp: 348517

Ion	Ratio	Lower	Upper
146	100		
111	38.8	31.7	47.5
148	63.6	51.5	77.3

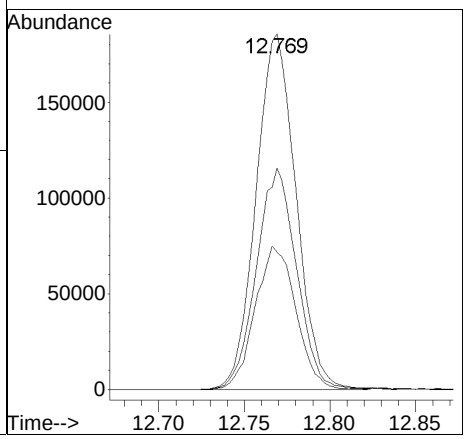


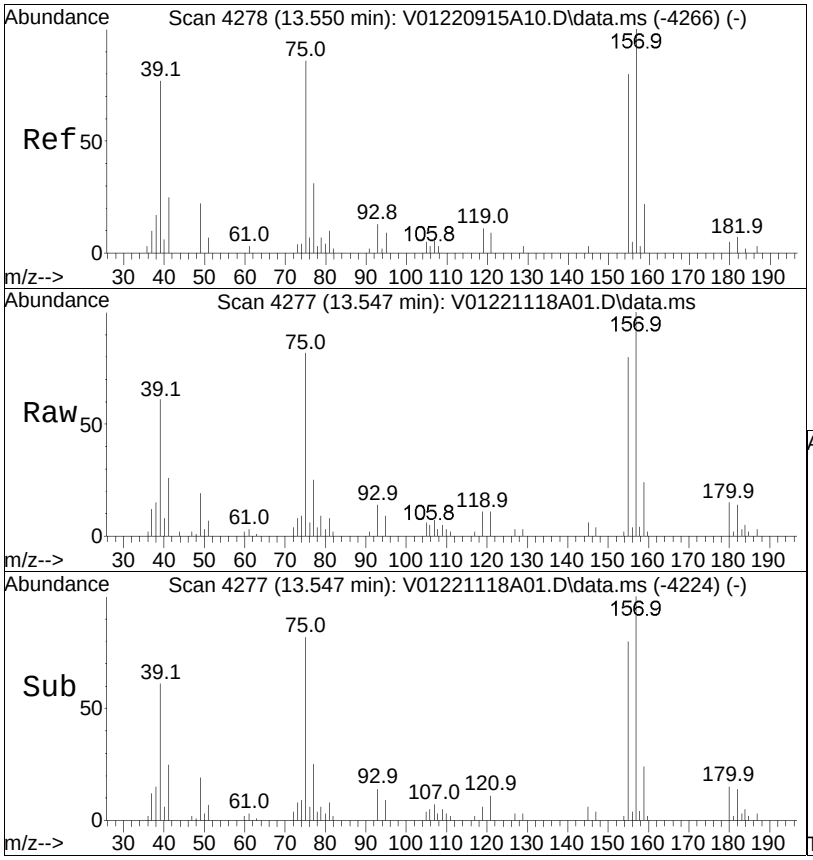


#104
1,2-Dichlorobenzene
Concen: 10.03 ug/L
RT: 12.769 min Scan# 3998
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:146 Resp: 301479

Ion	Ratio	Lower	Upper
146	100		
111	40.9	26.8	55.8
148	62.5	41.6	86.4

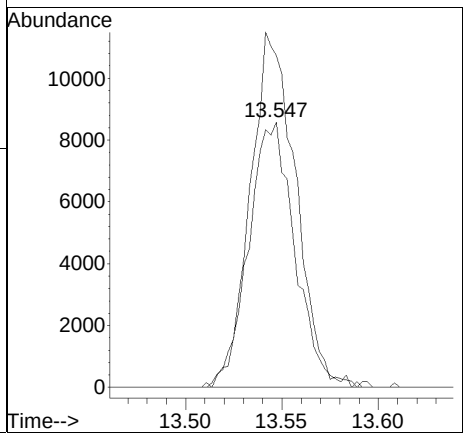


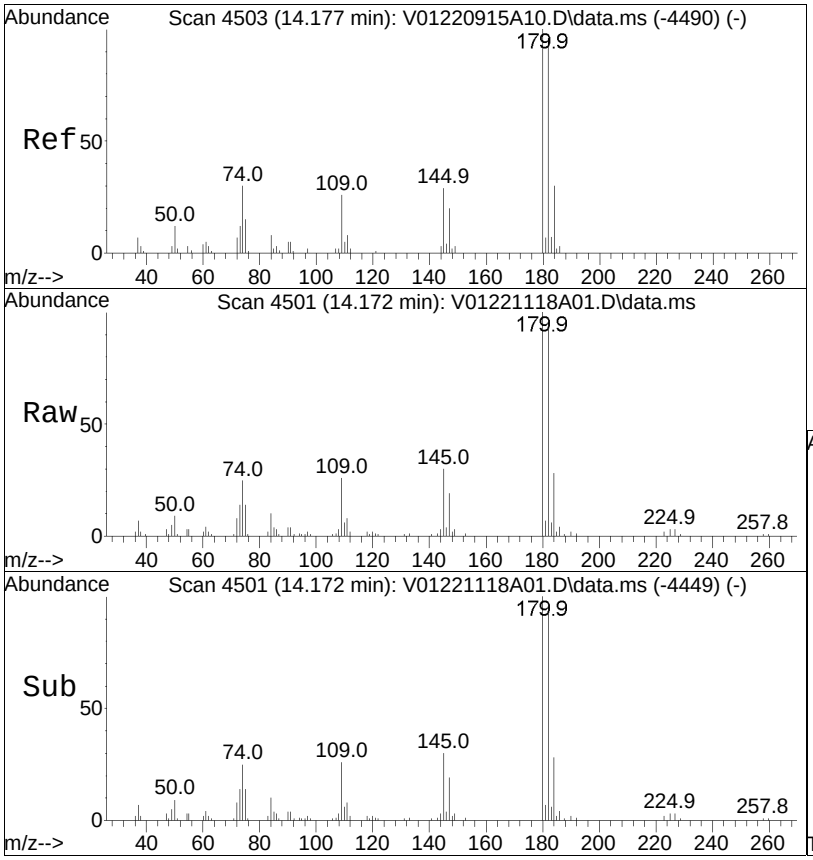


#106
1,2-Dibromo-3-chloropropane
Concen: 7.65 ug/L
RT: 13.547 min Scan# 4277
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:155 Resp: 14291

Ion	Ratio	Lower	Upper
155	100		
157	131.7	101.1	151.7

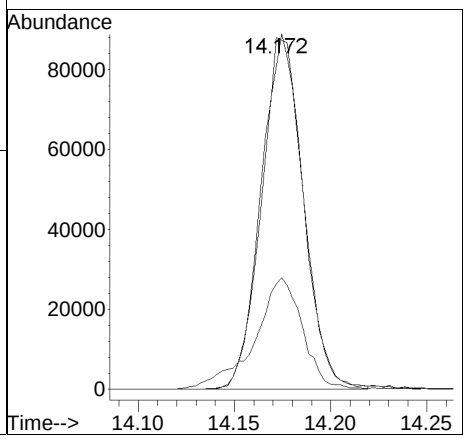


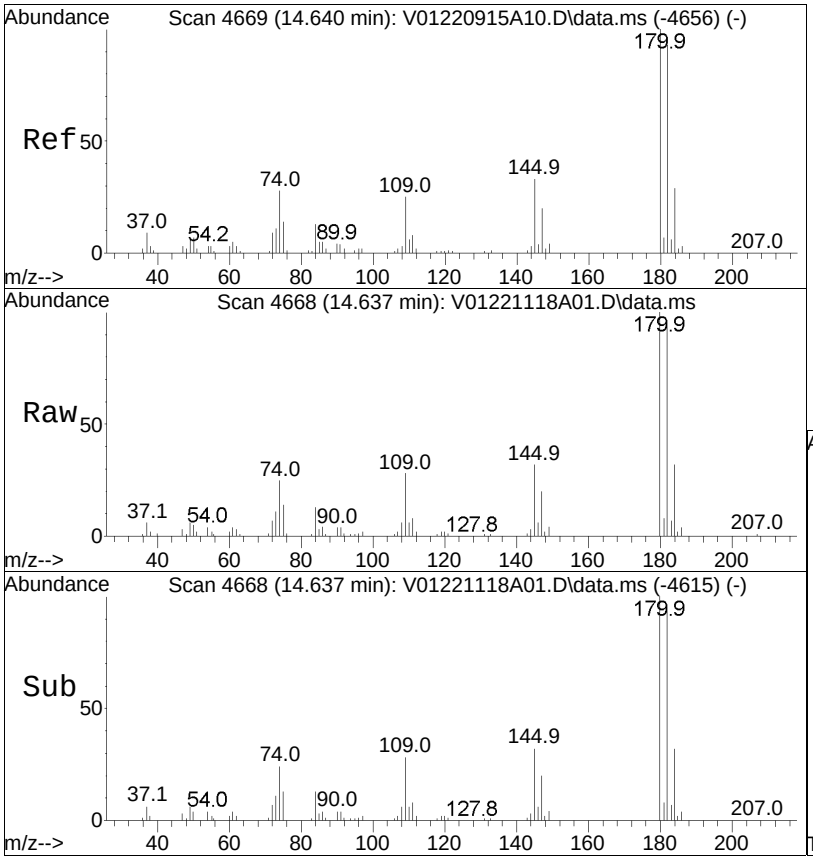


#109
1,2,4-Trichlorobenzene
Concen: 9.91 ug/L
RT: 14.172 min Scan# 4501
Delta R.T. -0.005 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:180 Resp: 136789

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.8	113.8
145	35.3	26.1	39.1

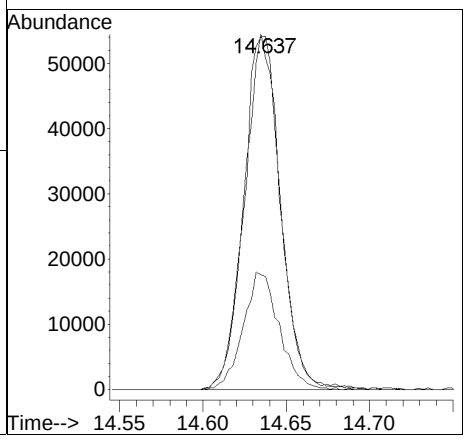




#111
1,2,3-Trichlorobenzene
Concen: 8.64 ug/L
RT: 14.637 min Scan# 4668
Delta R.T. -0.003 min
Lab File: V01221118A01.D
Acq: 18 Nov 2022 8:09 am

Tgt Ion:180 Resp: 83580

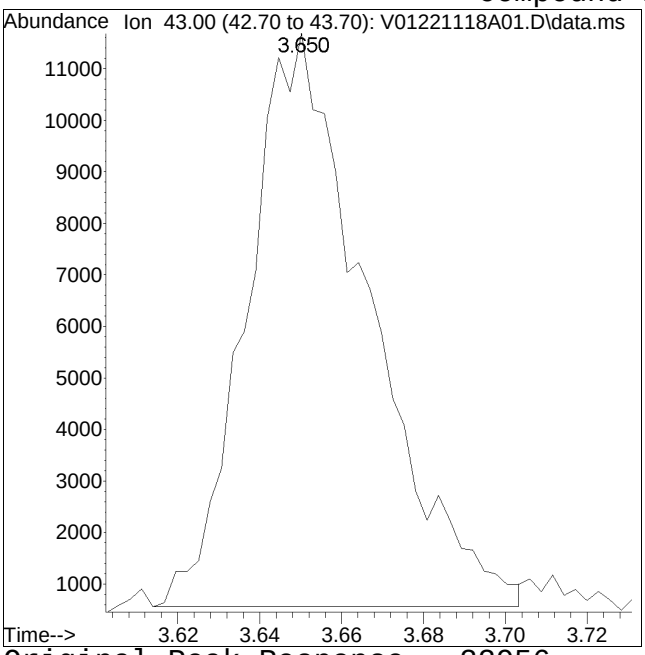
Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.4	113.0
145	32.2	25.0	37.6



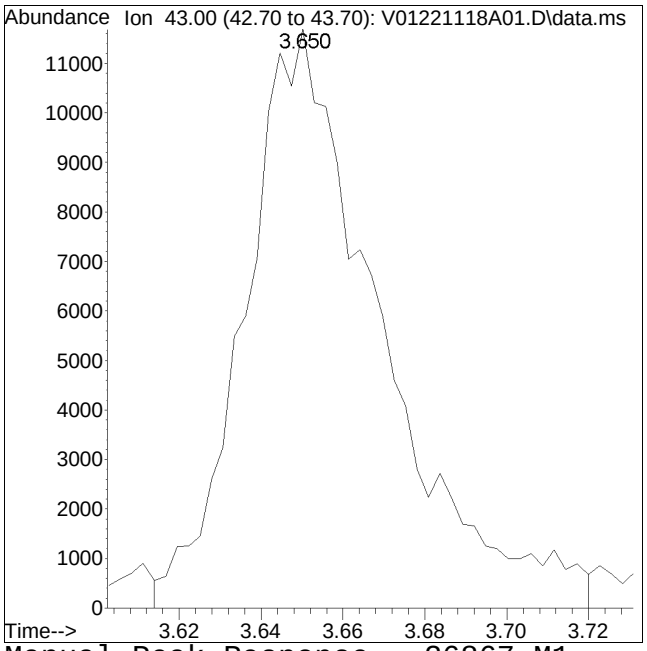
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-3,31,10,10 Quant Date : 11/18/2022 8:27 am

Compound #17: Acetone



Original Peak Response = 22956



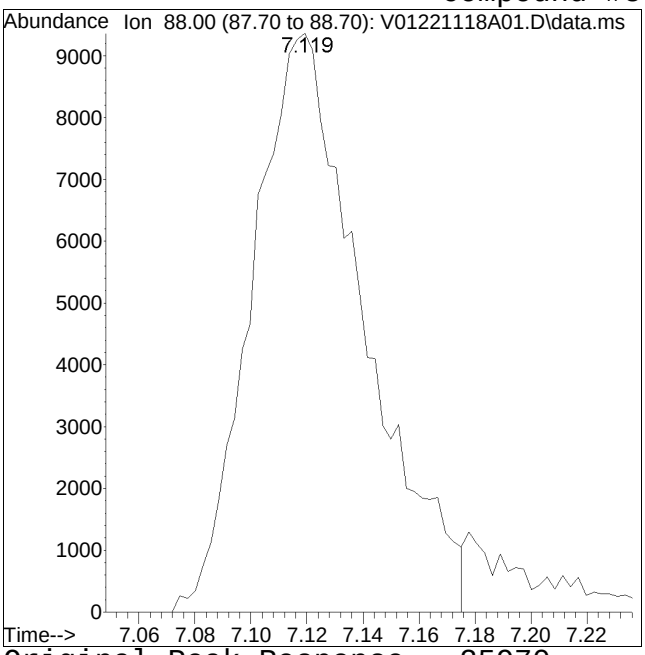
Manual Peak Response = 26867 M1

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

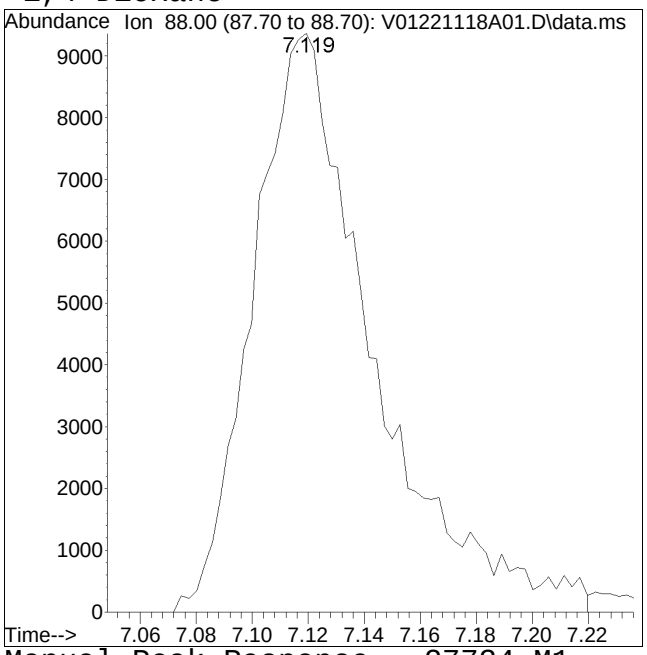
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-3,31,10,10 Quant Date : 11/18/2022 8:27 am

Compound #57: 1,4-Dioxane



Original Peak Response = 25970



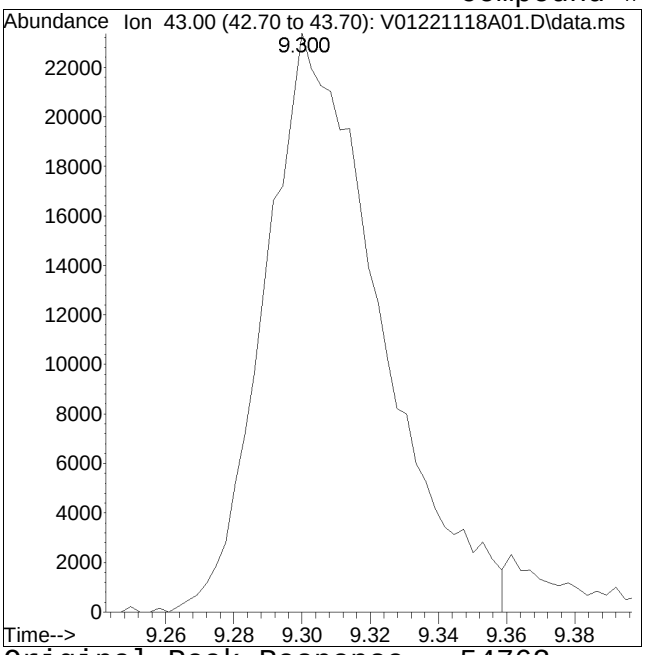
Manual Peak Response = 27734 M1

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

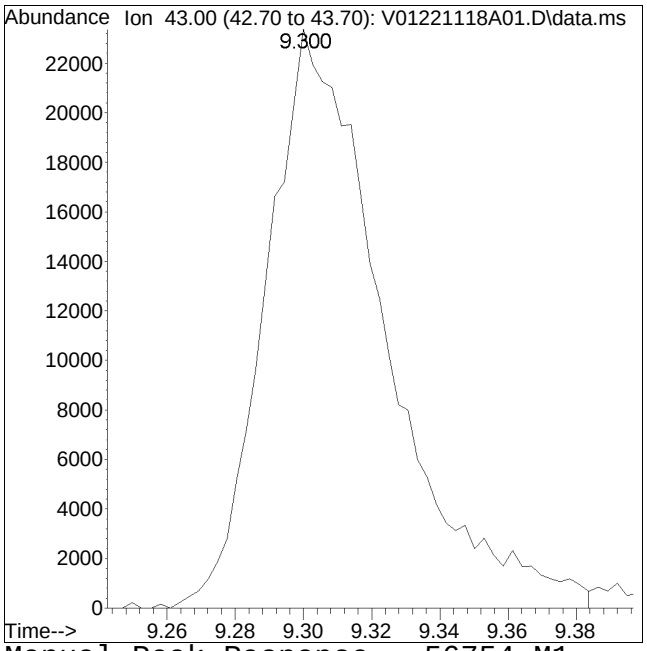
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A01.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 8:09 am Instrument : VOA 101
Sample : WG1714394-3,31,10,10 Quant Date : 11/18/2022 8:27 am

Compound #72: 2-Hexanone



Original Peak Response = 54762



Manual Peak Response = 56754 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-3,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.473	96	163963	10.000	ug/L		0.00
59) Chlorobenzene-d5	8.487	117	124673	10.000	ug/L		0.00
79) 1,4-Dichlorobenzene-d4	9.976	152	71075	10.000	ug/L		0.00
System Monitoring Compounds							
36) Dibromofluoromethane	4.477	113	49065	9.570	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.70%				
43) 1,2-Dichloroethane-d4	5.124	65	46323	8.935	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.35%				
60) Toluene-d8	7.179	98	156335	10.058	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.58%				
83) 4-Bromofluorobenzene	9.307	95	59782	10.574	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.936	85	31583	9.502	ug/L		99
3) Chloromethane	1.053	50	55494	14.036	ug/L		98
4) Vinyl chloride	1.106	62	51564	11.958	ug/L		99
5) Bromomethane	1.309	94	17631	6.681	ug/L		96
6) Chloroethane	1.396	64	32478	9.575	ug/L		100
7) Trichlorofluoromethane	1.491	101	62410	8.647	ug/L		98
10) 1,1-Dichloroethene	1.850	96	35417	8.423	ug/L		87
11) Carbon disulfide	1.856	76	69577	6.689	ug/L		100
12) Freon-113	1.895	101	37370	8.389	ug/L		99
15) Methylene chloride	2.336	84	42210	11.464	ug/L		92
17) Acetone	2.389	43	5304	8.460	ug/L	#	63
18) trans-1,2-Dichloroethene	2.478	96	42459	12.018	ug/L		85
19) Methyl acetate	2.522	43	16446	10.698	ug/L	#	94
20) Methyl tert-butyl ether	2.609	73	46996	8.332	ug/L	#	88
23) 1,1-Dichloroethane	3.114	63	86601	12.873	ug/L		98
28) cis-1,2-Dichloroethene	3.794	96	46837	11.857	ug/L	#	79
30) Bromochloromethane	4.073	128	20522	10.679	ug/L	#	77
31) Cyclohexane	4.042	56	83100	12.079	ug/L		89
32) Chloroform	4.235	83	76885	11.649	ug/L		97
34) Carbon tetrachloride	4.357	117	56825	10.954	ug/L	#	64
37) 1,1,1-Trichloroethane	4.455	97	59911	11.050	ug/L	#	95
39) 2-Butanone	4.672	43	8635	10.797	ug/L	#	90
41) Benzene	4.943	78	156779	12.031	ug/L		96
44) 1,2-Dichloroethane	5.208	62	50108	10.268	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-3,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl cyclohexane	5.629	83	59331	9.617	ug/L		93
48) Trichloroethene	5.671	95	42770	12.196	ug/L		98
51) 1,2-Dichloropropane	6.229	63	43218	11.987	ug/L		94
54) Bromodichloromethane	6.340	83	52552	10.325	ug/L	#	99
57) 1,4-Dioxane	6.569	88	3194	213.584	ug/L	#	82
58) cis-1,3-Dichloropropene	7.004	75	49255	9.931	ug/L		93
61) Toluene	7.230	92	98803	11.938	ug/L		96
62) 4-Methyl-2-pentanone	7.648	58	5831	8.965	ug/L		88
63) Tetrachloroethene	7.589	166	40536	11.281	ug/L		90
65) trans-1,3-Dichloropropene	7.659	75	37317	8.968	ug/L		95
68) 1,1,2-Trichloroethane	7.790	83	19795	9.617	ug/L		94
69) Chlorodibromomethane	7.921	129	32521	9.450	ug/L		95
71) 1,2-Dibromoethane	8.080	107	22954	9.524	ug/L		98
72) 2-Hexanone	8.328	43	9662	9.460	ug/L	#	97
73) Chlorobenzene	8.498	112	110185	11.603	ug/L		89
74) Ethylbenzene	8.540	91	184945	11.751	ug/L		99
76) p/m Xylene	8.646	106	153566	24.280	ug/L		95
77) o Xylene	8.931	106	142781	23.407	ug/L		88
78) Styrene	8.967	104	233362	22.837	ug/L		87
80) Bromoform	8.970	173	16892	7.885	ug/L		97
82) Isopropylbenzene	9.143	105	195371	11.653	ug/L		98
87) 1,1,2,2-Tetrachloroethane	9.455	83	25539	8.713	ug/L		100
100) 1,3-Dichlorobenzene	9.932	146	98919	11.408	ug/L		98
101) 1,4-Dichlorobenzene	9.985	146	98202	11.446	ug/L		98
104) 1,2-Dichlorobenzene	10.225	146	87785	11.157	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.679	155	3797	8.557	ug/L		91
109) 1,2,4-Trichlorobenzene	11.056	180	54750	9.779	ug/L		98
111) 1,2,3-Trichlorobenzene	11.337	180	48356	9.449	ug/L		99

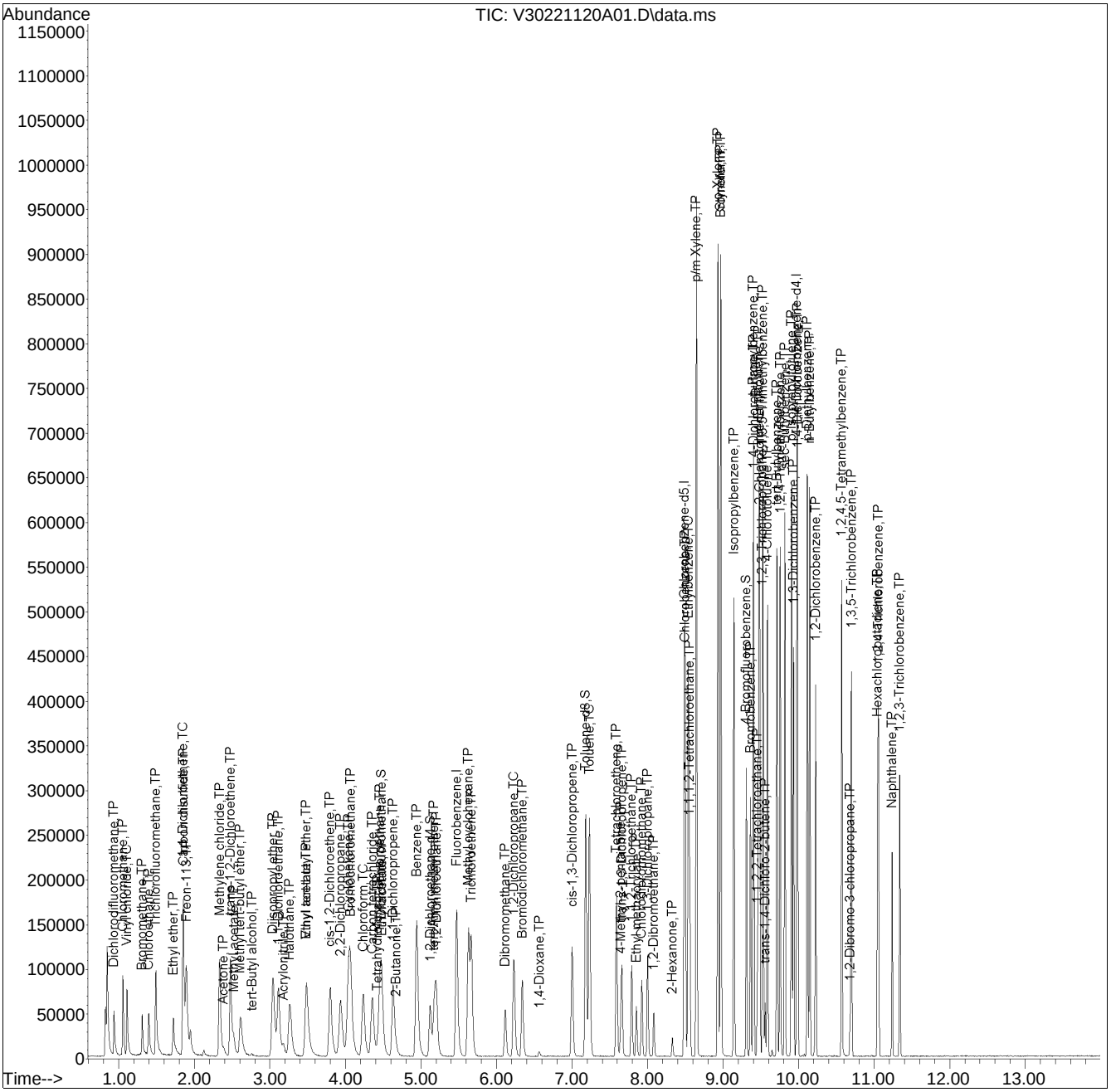
(#) = qualifier out of range (m) = manual integration (+) = signals summed

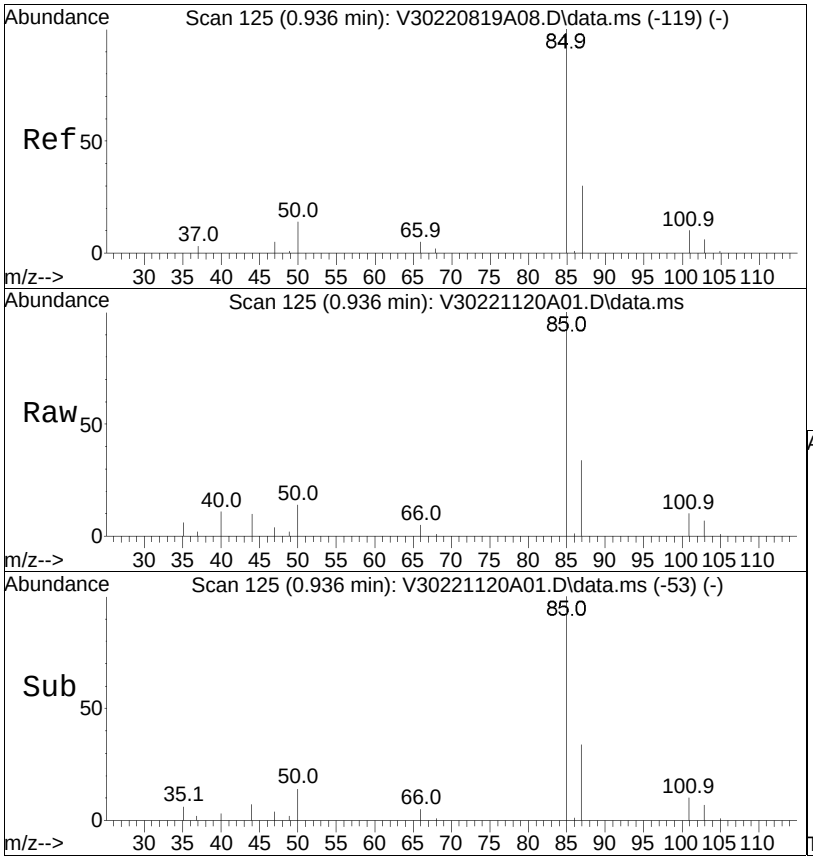
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A01.D
Acq On : 20 Nov 2022 08:16 am
Operator : VOA130:PID
Sample : WG1714939-3,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 20 09:32:42 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

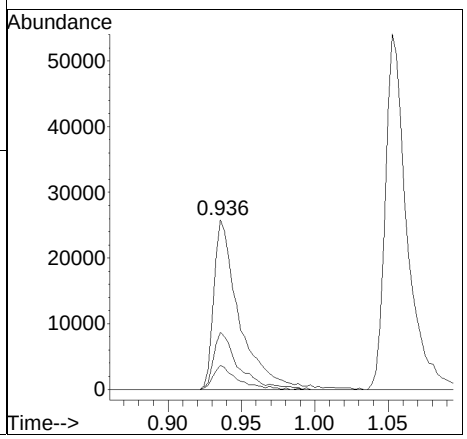


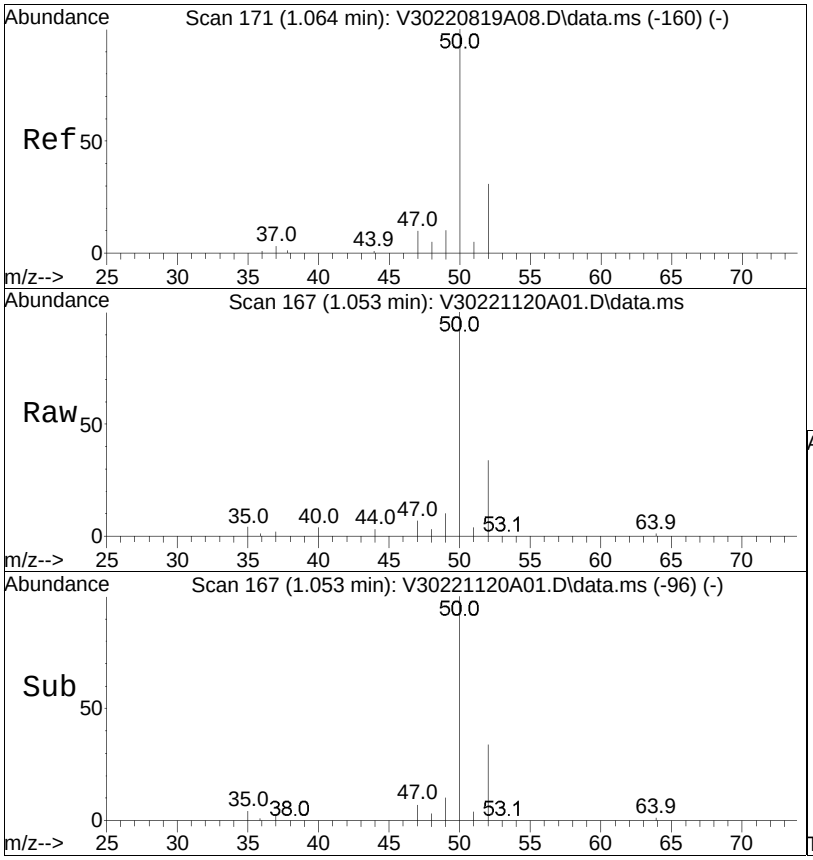


#2
Dichlorodifluoromethane
Concen: 9.50 ug/L
RT: 0.936 min Scan# 125
Delta R.T. -0.000 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 85 Resp: 31583

Ion	Ratio	Lower	Upper
85	100		
87	32.5	21.0	43.6
50	13.1	8.9	18.5

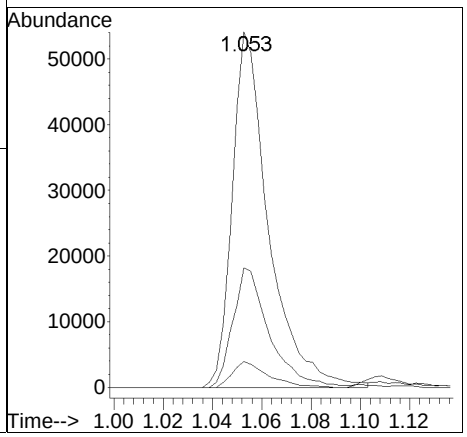


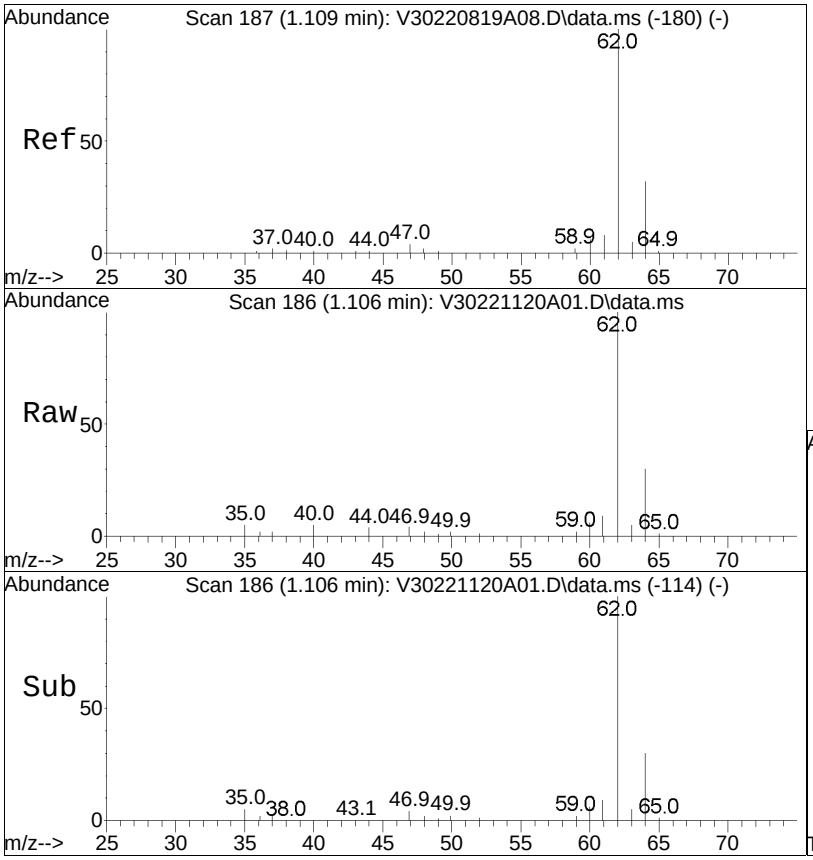


#3
Chloromethane
Concen: 14.04 ug/L
RT: 1.053 min Scan# 167
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 50 Resp: 55494

Ion	Ratio	Lower	Upper
50	100		
52	33.6	12.9	52.9
47	7.1	0.0	28.3

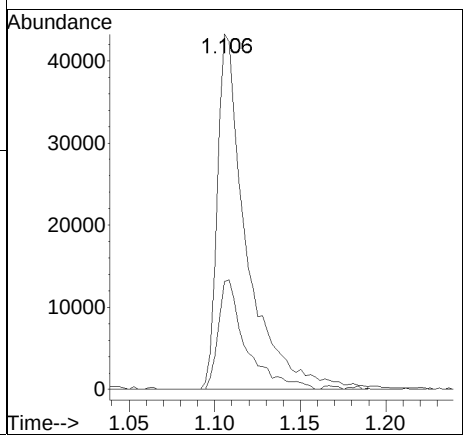


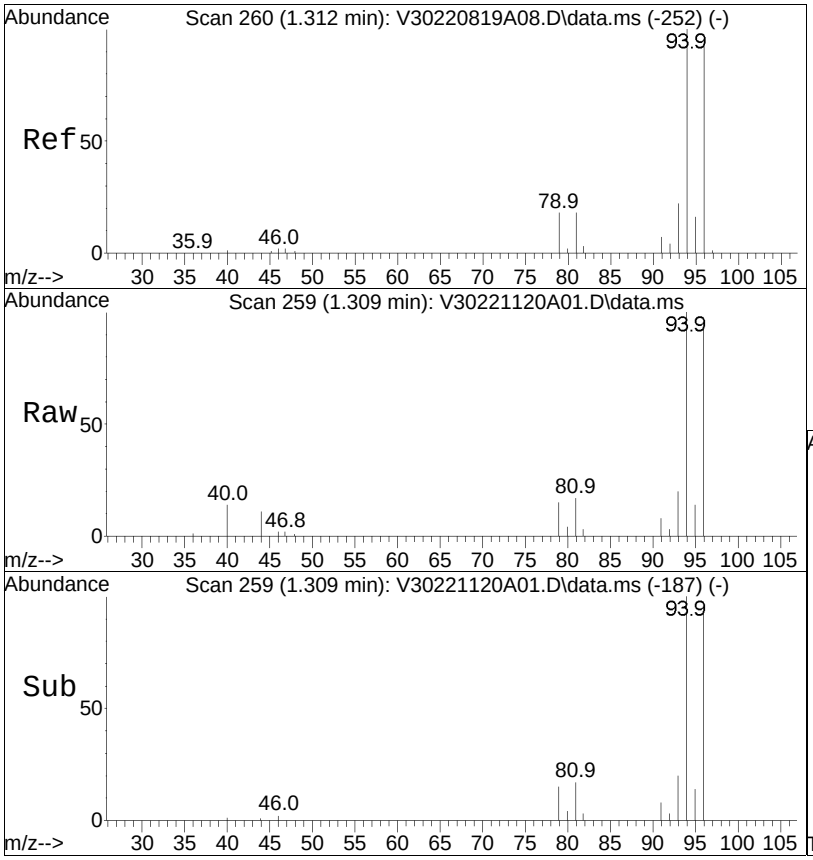


#4
Vinyl chloride
Concen: 11.96 ug/L
RT: 1.106 min Scan# 186
Delta R.T. -0.000 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 62 Resp: 51564

Ion	Ratio	Lower	Upper
62	100		
64	29.4	9.1	49.1

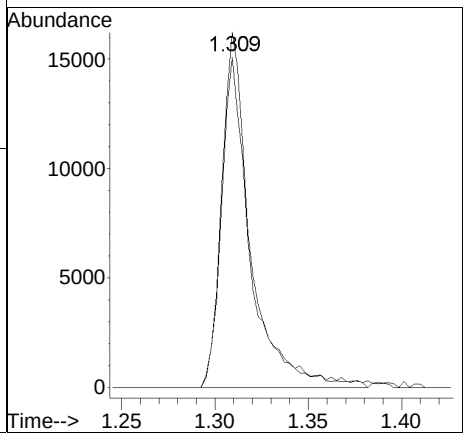


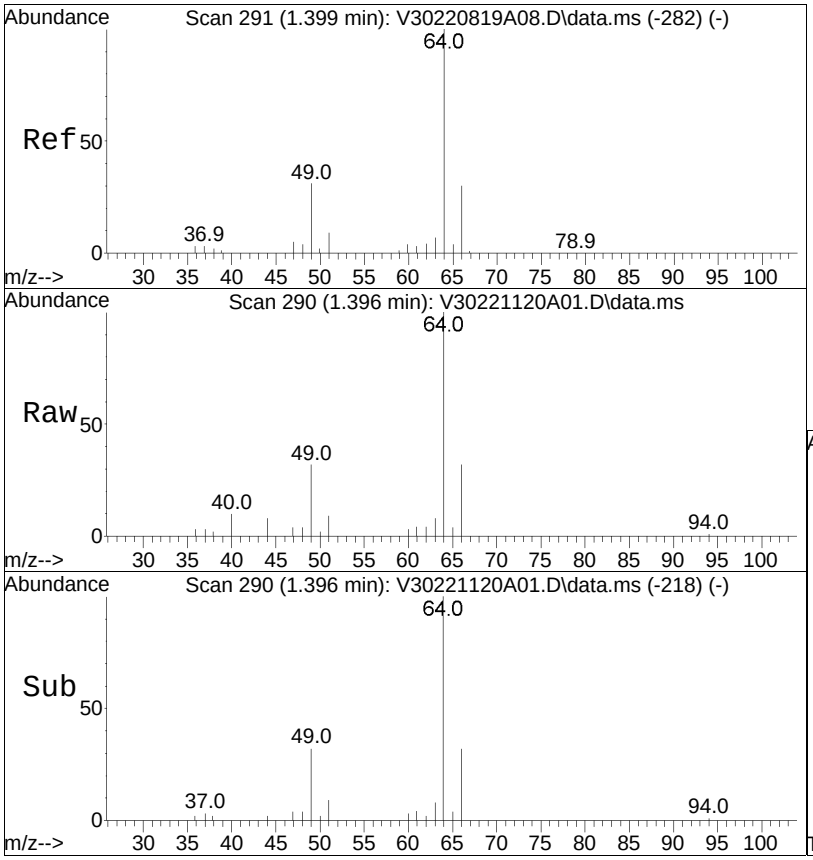


#5
Bromomethane
Concen: 6.68 ug/L
RT: 1.309 min Scan# 259
Delta R.T. 0.000 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 94 Resp: 17631

Ion	Ratio	Lower	Upper
94	100		
96	91.5	75.6	115.6

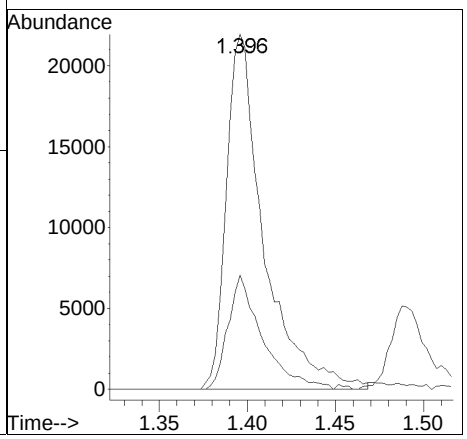


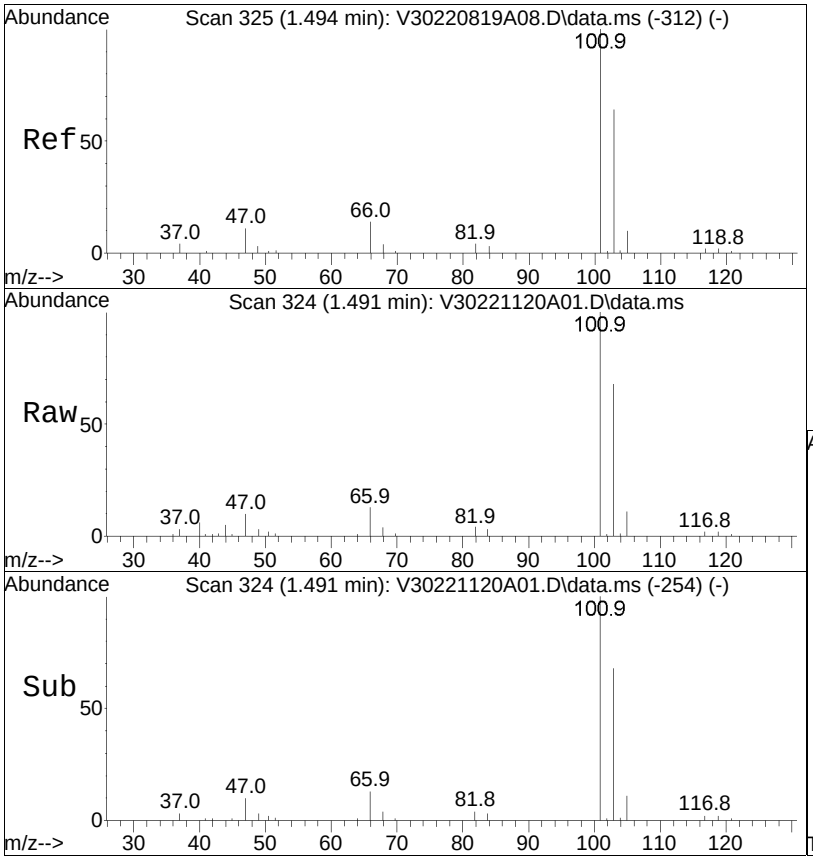


#6
Chloroethane
Concen: 9.57 ug/L
RT: 1.396 min Scan# 290
Delta R.T. -0.000 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 64 Resp: 32478

Ion	Ratio	Lower	Upper
64	100		
66	29.6	9.8	49.8

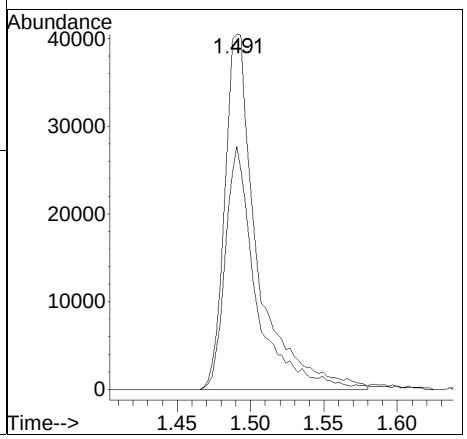


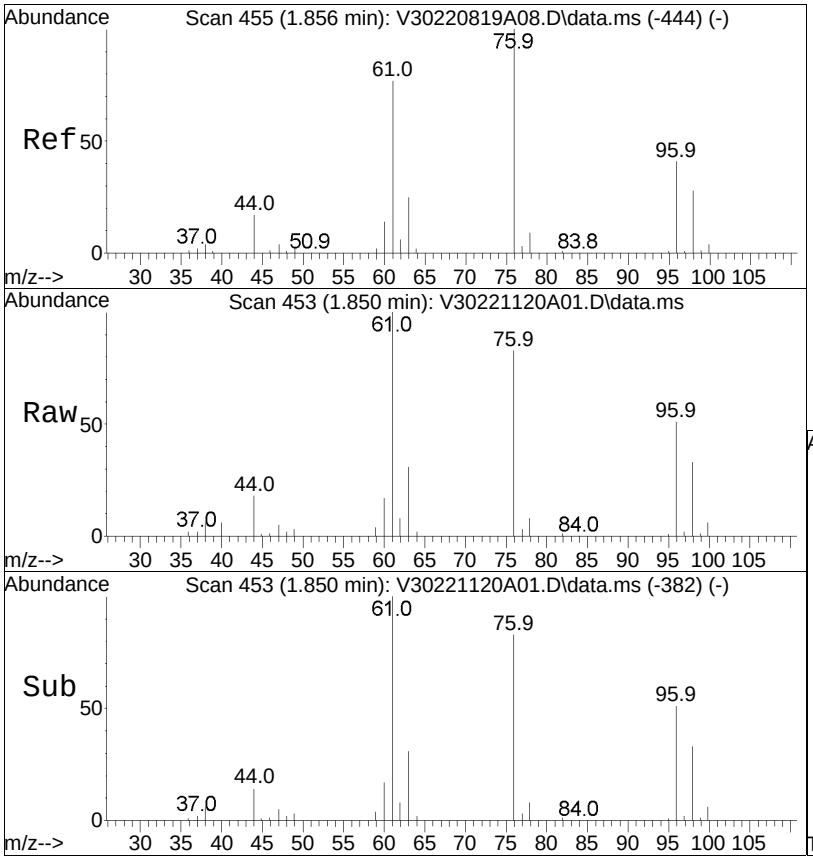


#7
Trichlorofluoromethane
Concen: 8.65 ug/L
RT: 1.491 min Scan# 324
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:101 Resp: 62410

Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.8	80.6

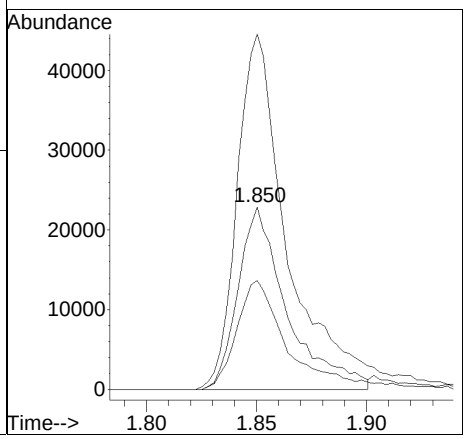


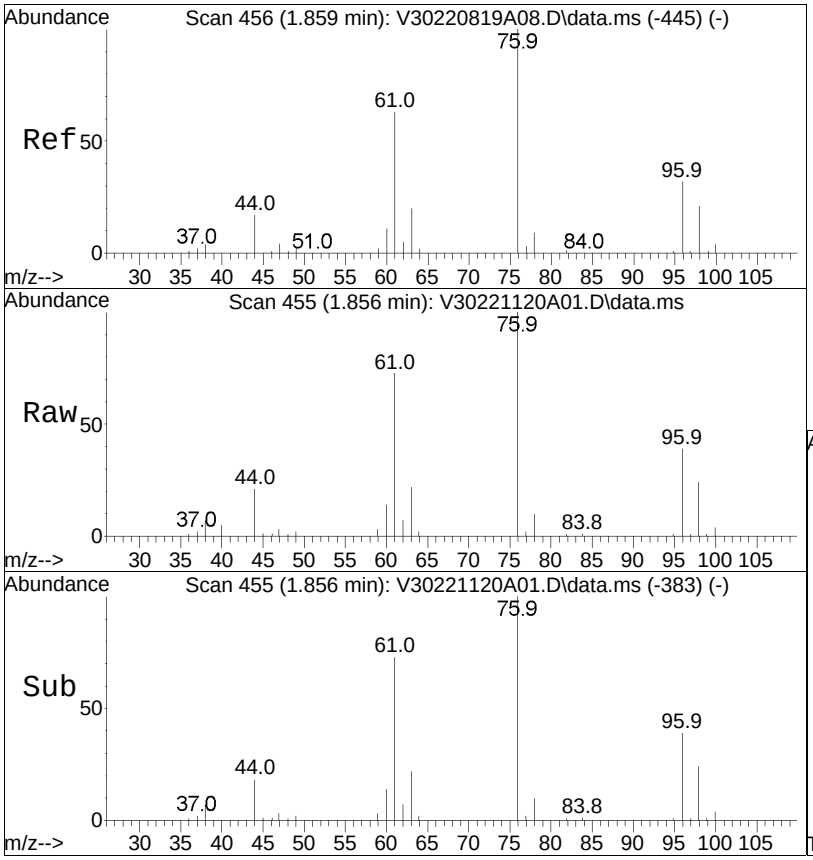


#10
1,1-Dichloroethene
Concen: 8.42 ug/L
RT: 1.850 min Scan# 453
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 96 Resp: 35417

Ion	Ratio	Lower	Upper
96	100		
61	209.0	186.1	279.1
63	63.7	57.6	86.4

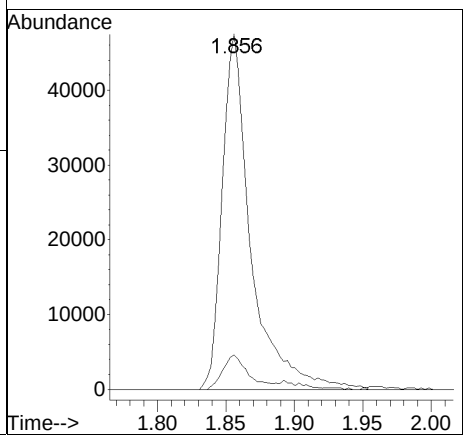


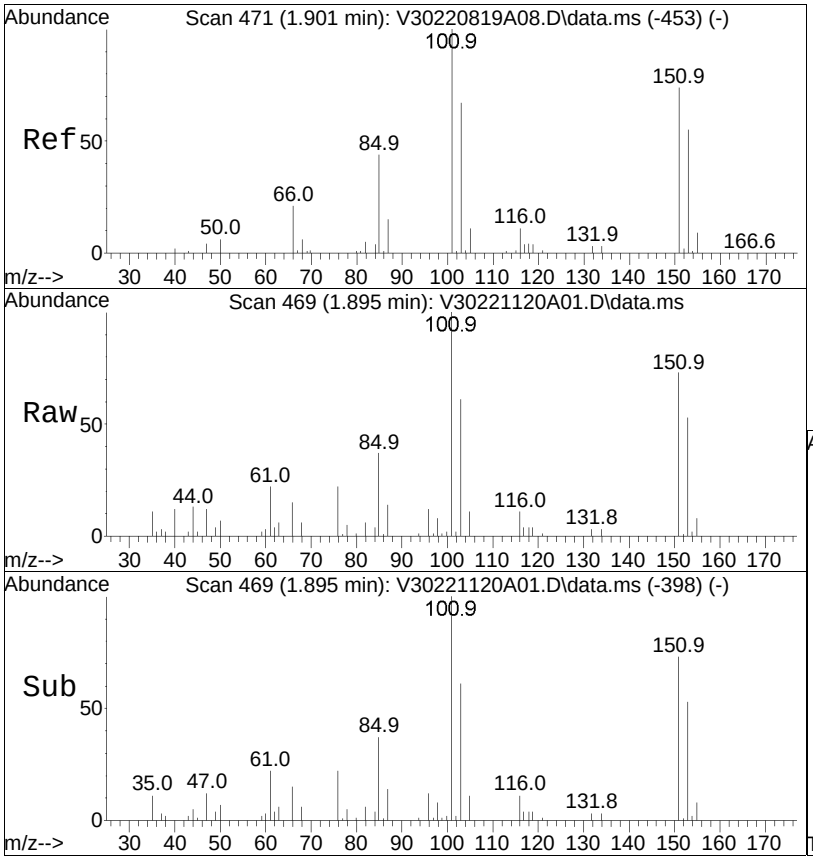


#11
Carbon disulfide
Concen: 6.69 ug/L
RT: 1.856 min Scan# 455
Delta R.T. -0.000 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 76 Resp: 69577

Ion	Ratio	Lower	Upper
76	100		
78	8.6	5.7	11.7

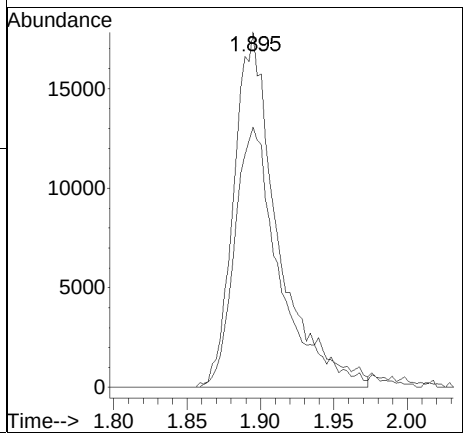


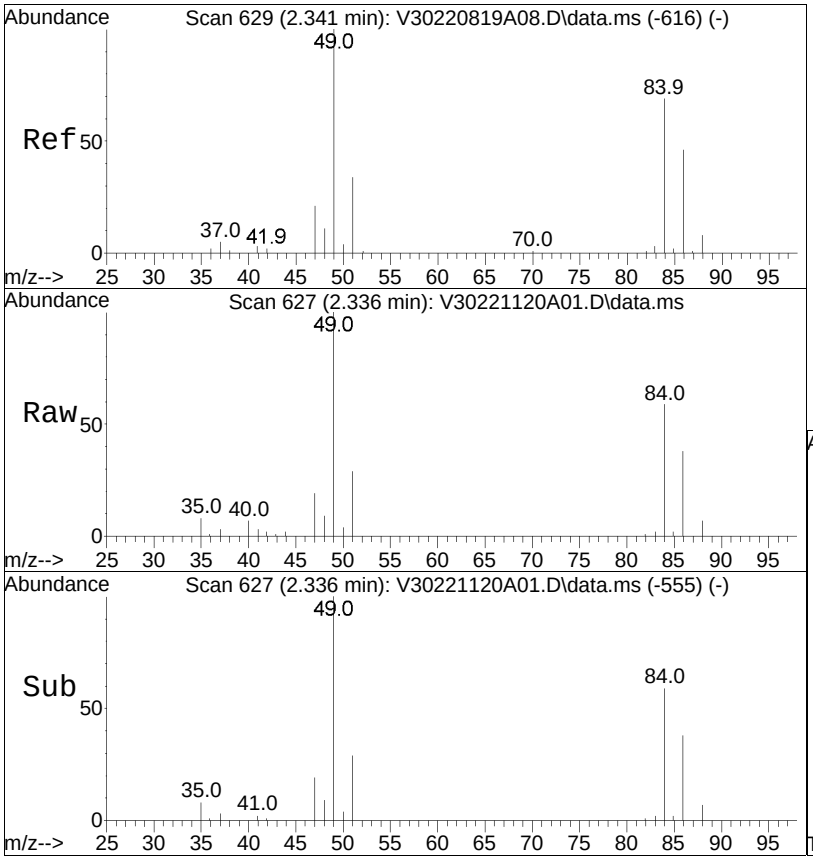


#12
Freon-113
Concen: 8.39 ug/L
RT: 1.895 min Scan# 469
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:101 Resp: 37370

Ion	Ratio	Lower	Upper
101	100		
151	75.6	59.8	89.8

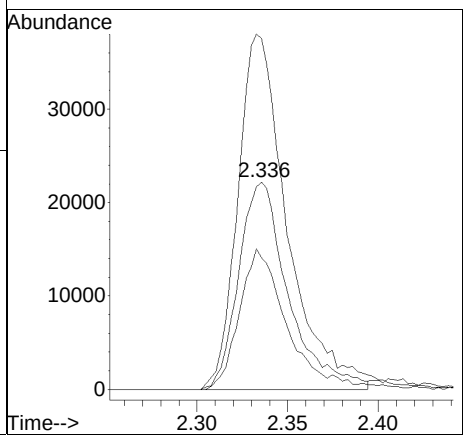


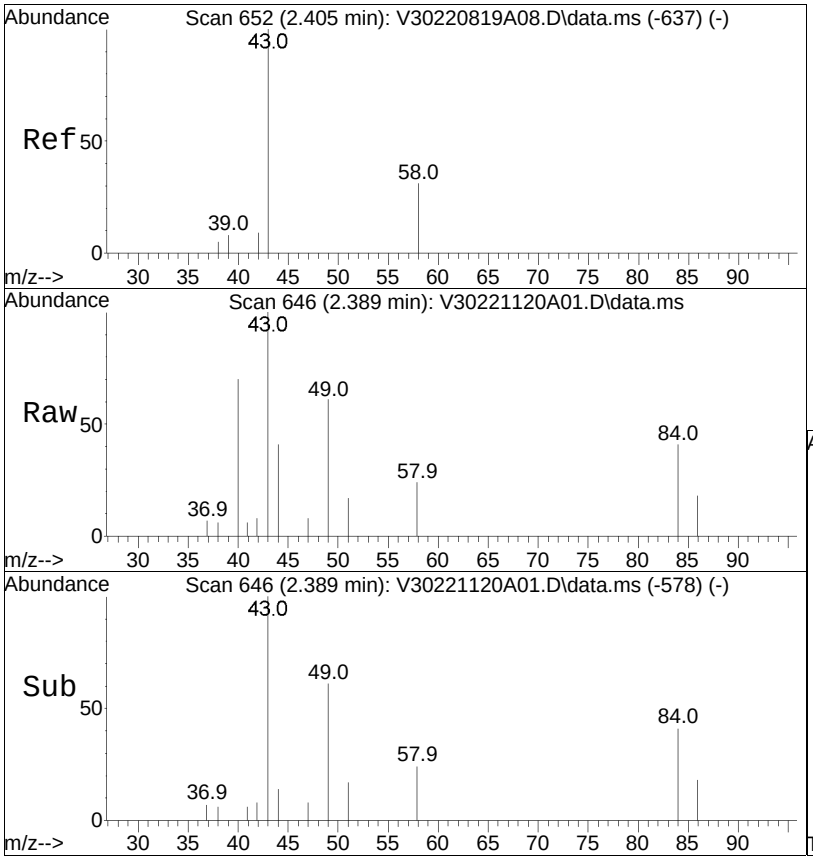


#15
Methylene chloride
Concen: 11.46 ug/L
RT: 2.336 min Scan# 627
Delta R.T. -0.000 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 84 Resp: 42210

Ion	Ratio	Lower	Upper
84	100		
86	65.3	40.4	83.8
49	171.6	120.0	249.2

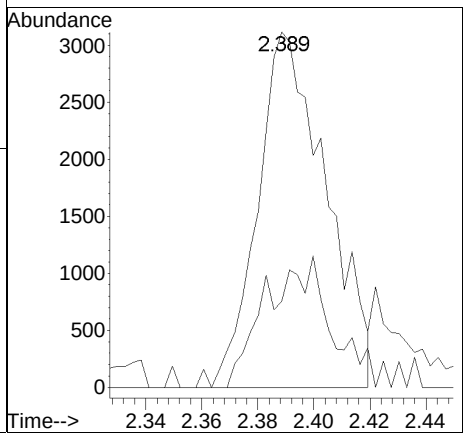


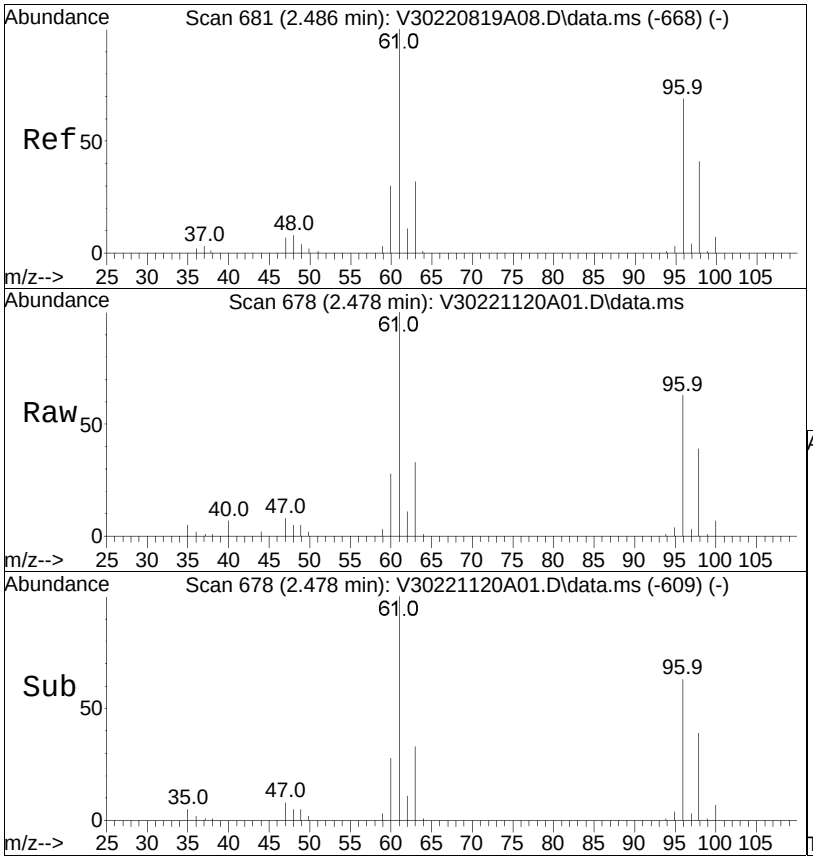


#17
Acetone
Concen: 8.46 ug/L
RT: 2.389 min Scan# 646
Delta R.T. -0.011 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 43 Resp: 5304

Ion	Ratio	Lower	Upper
43	100		
58	10.4	24.2	36.4#

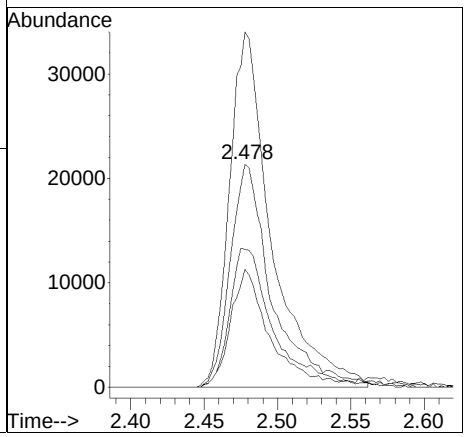


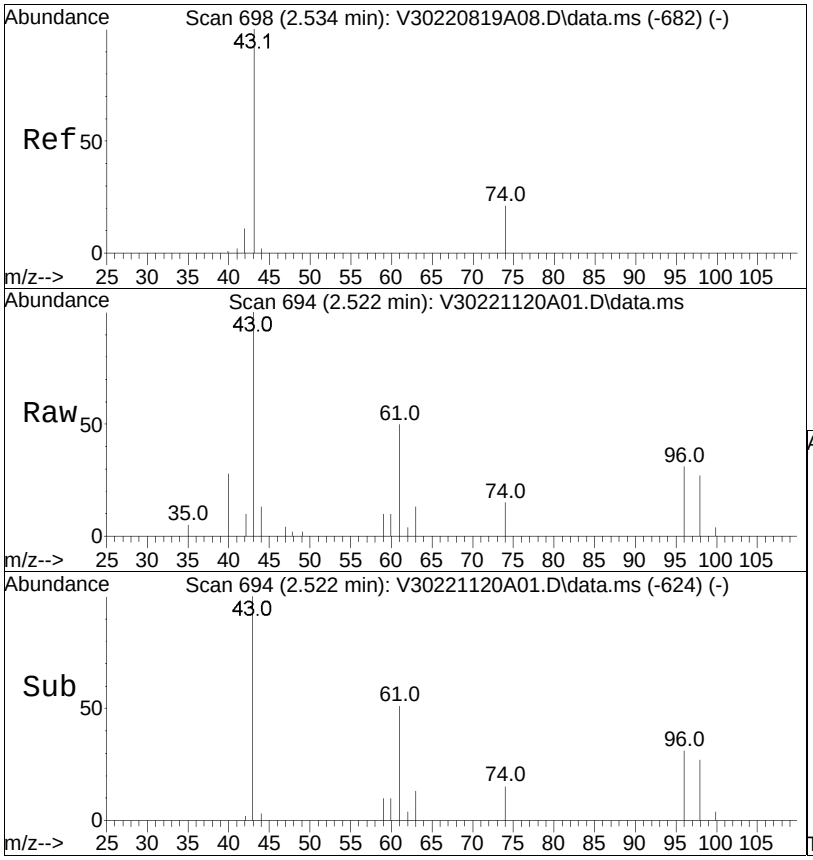


#18
trans-1,2-Dichloroethene
Concen: 12.02 ug/L
RT: 2.478 min Scan# 678
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 96 Resp: 42459

Ion	Ratio	Lower	Upper
96	100		
61	160.9	124.0	257.6
98	65.0	41.2	85.6
63	49.9	38.4	79.7

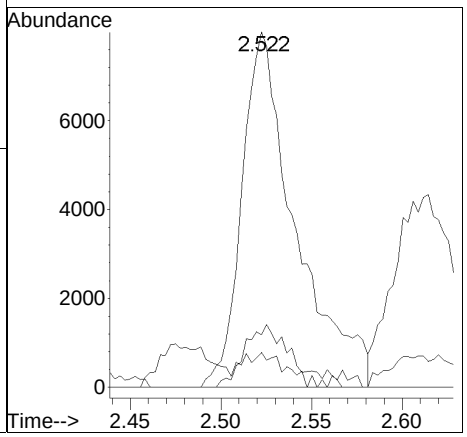


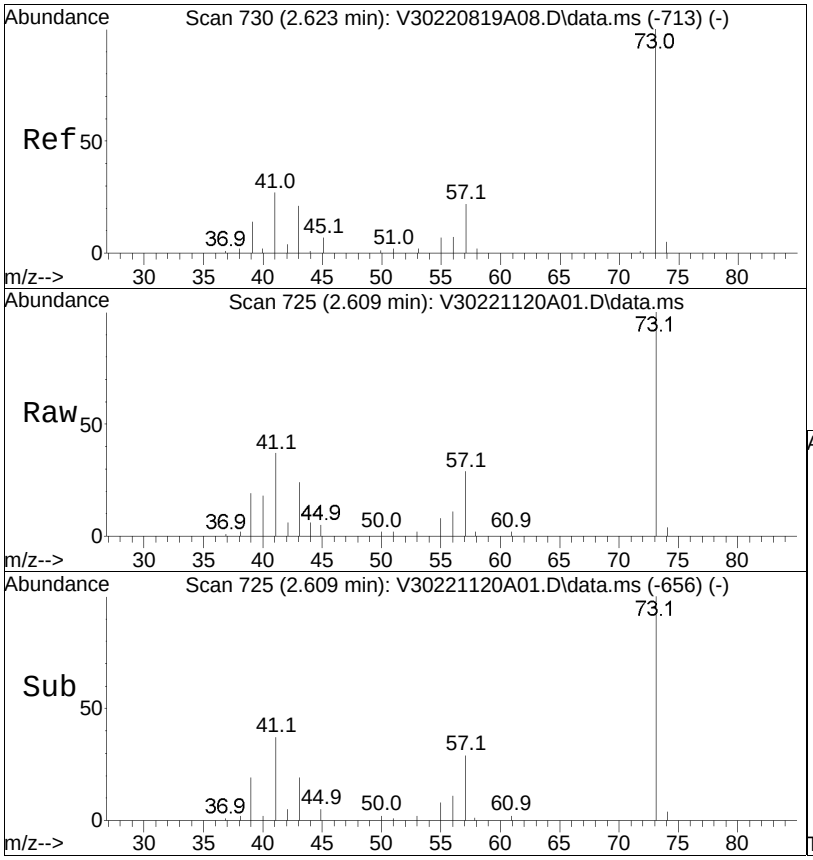


#19
Methyl acetate
Concen: 10.70 ug/L
RT: 2.522 min Scan# 694
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 43 Resp: 16446

Ion	Ratio	Lower	Upper
43	100		
74	14.9	14.2	21.4
59	8.1	5.0	7.6#

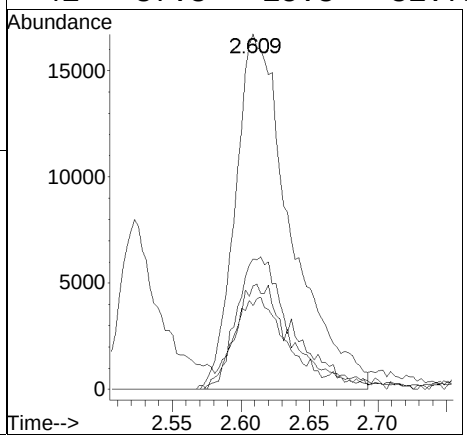


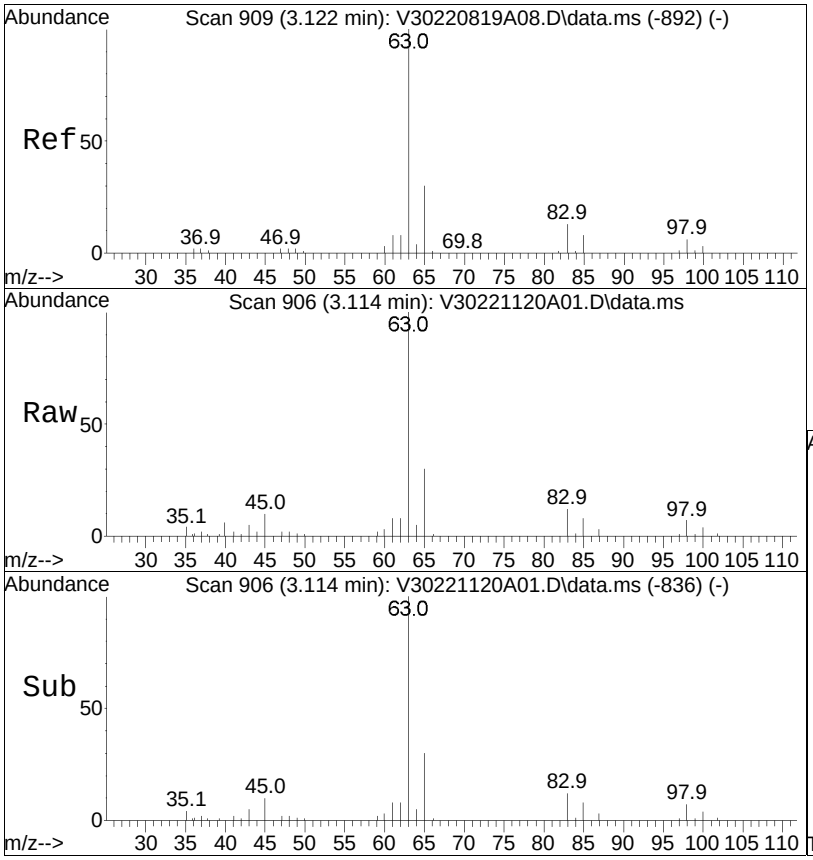


#20
Methyl tert-butyl ether
Concen: 8.33 ug/L
RT: 2.609 min Scan# 725
Delta R.T. -0.008 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 73 Resp: 46996

Ion	Ratio	Lower	Upper
73	100		
57	30.1	17.5	36.3
43	22.3	15.3	31.9
41	37.3	15.3	31.7#

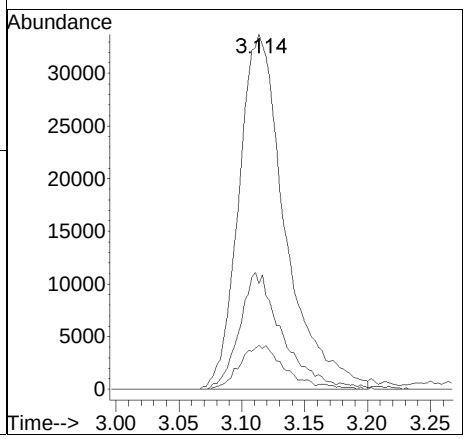


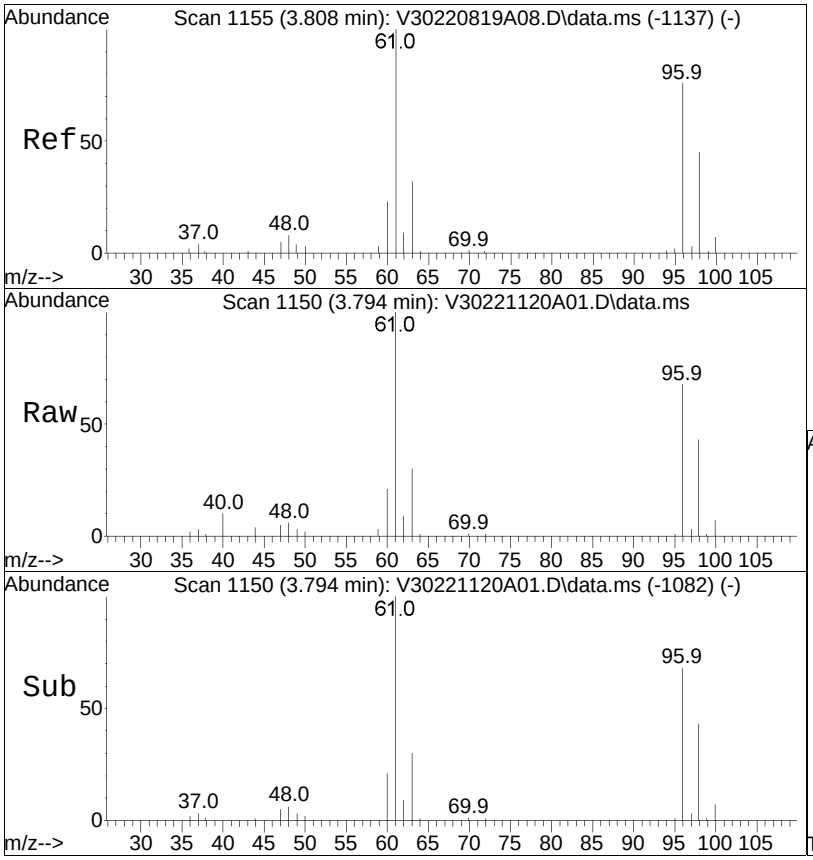


#23
1,1-Dichloroethane
Concen: 12.87 ug/L
RT: 3.114 min Scan# 906
Delta R.T. -0.005 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 63 Resp: 86601

Ion	Ratio	Lower	Upper
63	100		
65	29.9	11.0	51.0
83	11.7	0.0	31.8

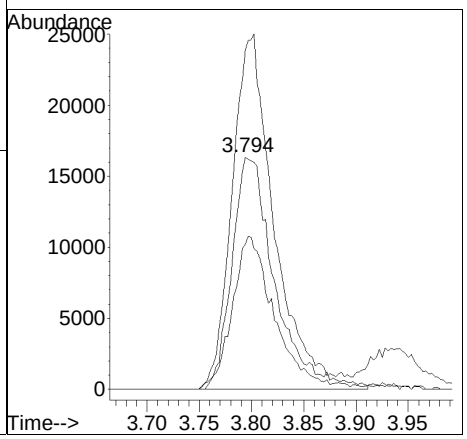


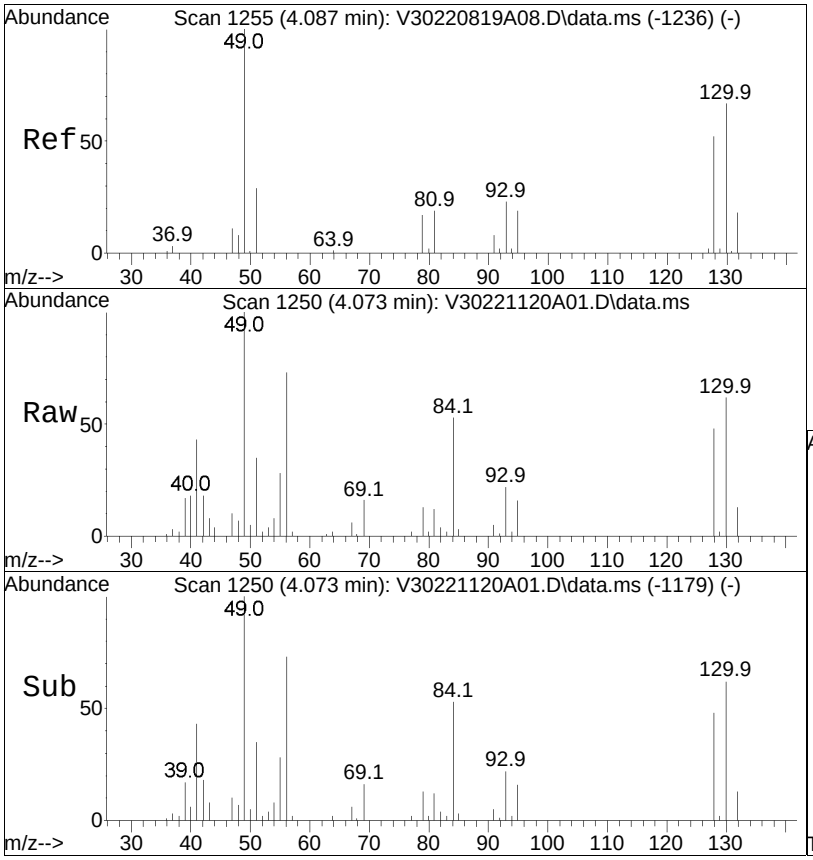


#28
cis-1,2-Dichloroethene
Concen: 11.86 ug/L
RT: 3.794 min Scan# 1150
Delta R.T. -0.009 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 96 Resp: 46837

Ion	Ratio	Lower	Upper
96	100		
61	148.0	149.4	224.2#
98	63.8	53.4	80.2

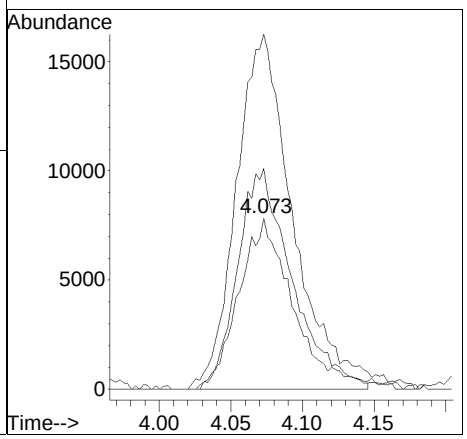


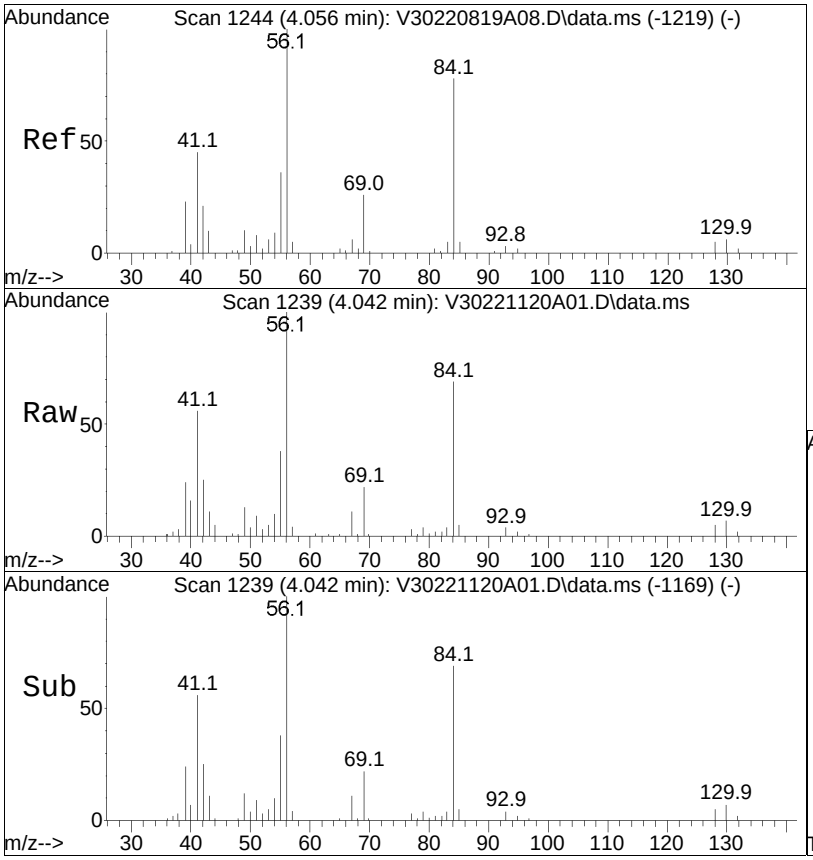


#30
Bromochloromethane
Concen: 10.68 ug/L
RT: 4.073 min Scan# 1250
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:128 Resp: 20522

Ion	Ratio	Lower	Upper
128	100		
49	220.7	223.0	334.4#
130	131.4	111.4	167.0

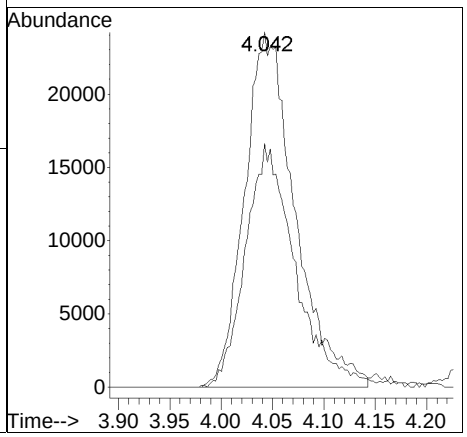


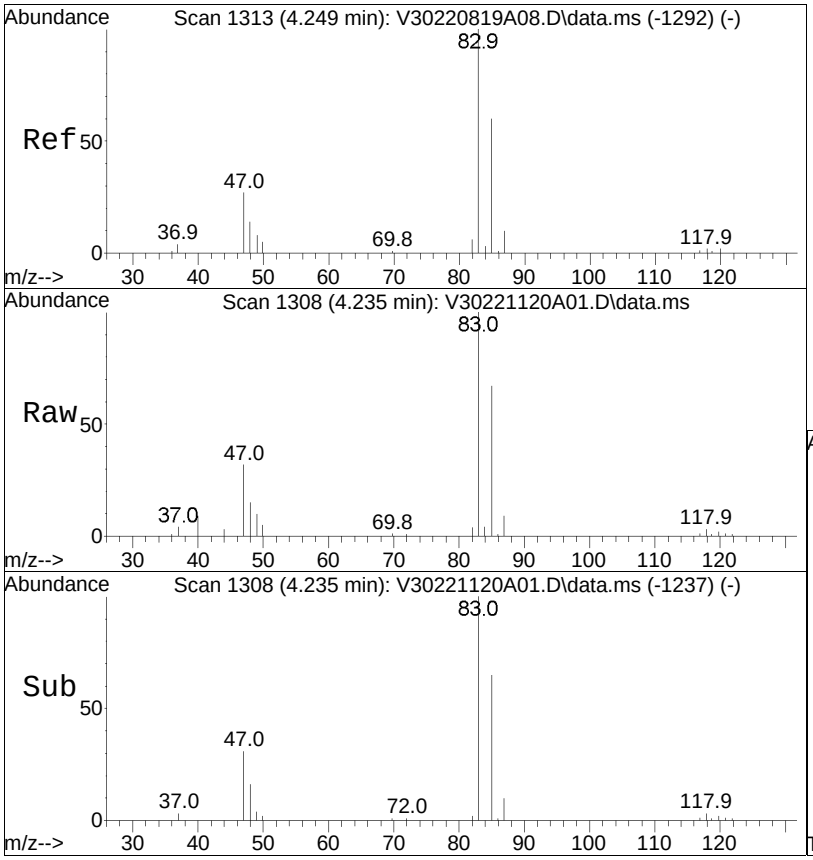


#31
Cyclohexane
Concen: 12.08 ug/L
RT: 4.042 min Scan# 1239
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 56 Resp: 83100

Ion	Ratio	Lower	Upper
56	100		
84	67.3	38.4	79.8

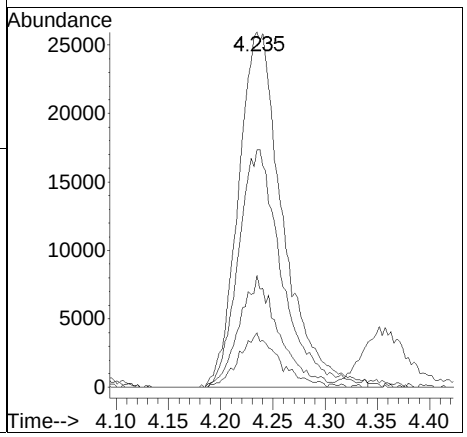


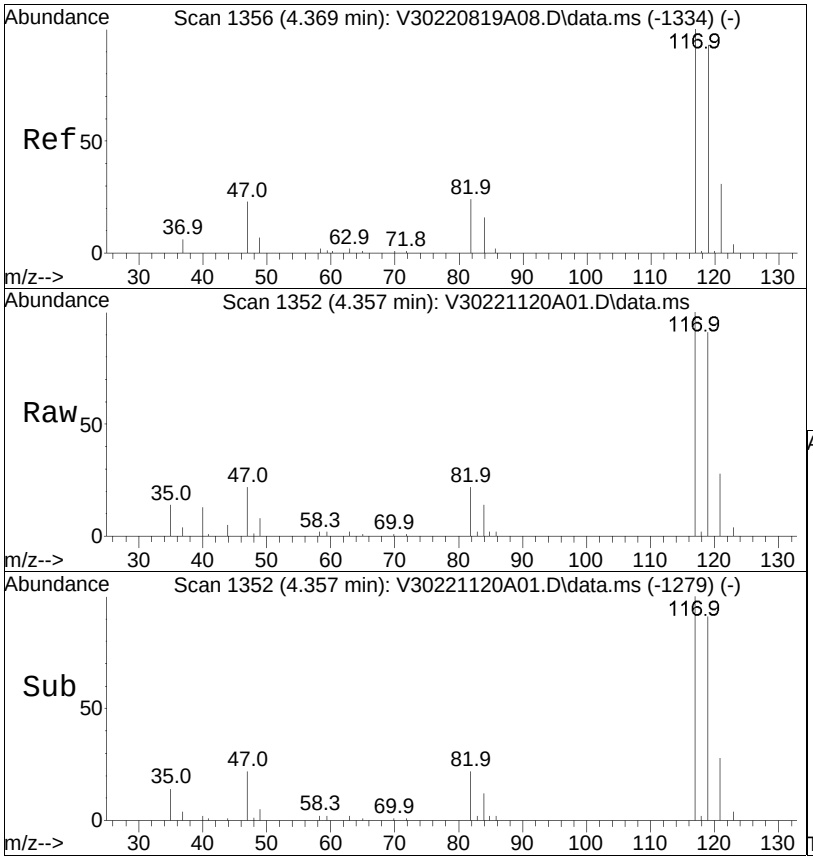


#32
Chloroform
Concen: 11.65 ug/L
RT: 4.235 min Scan# 1308
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 83 Resp: 76885

Ion	Ratio	Lower	Upper
83	100		
85	65.9	41.5	86.1
47	28.4	19.0	39.4
48	13.7	9.9	20.5

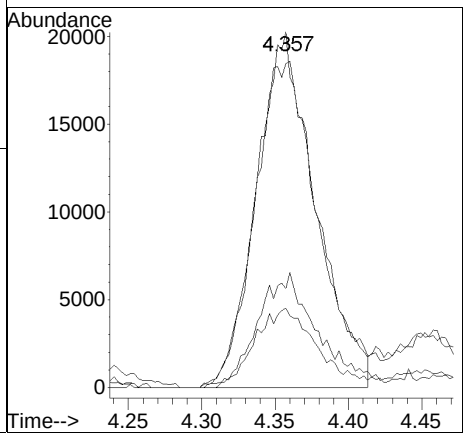


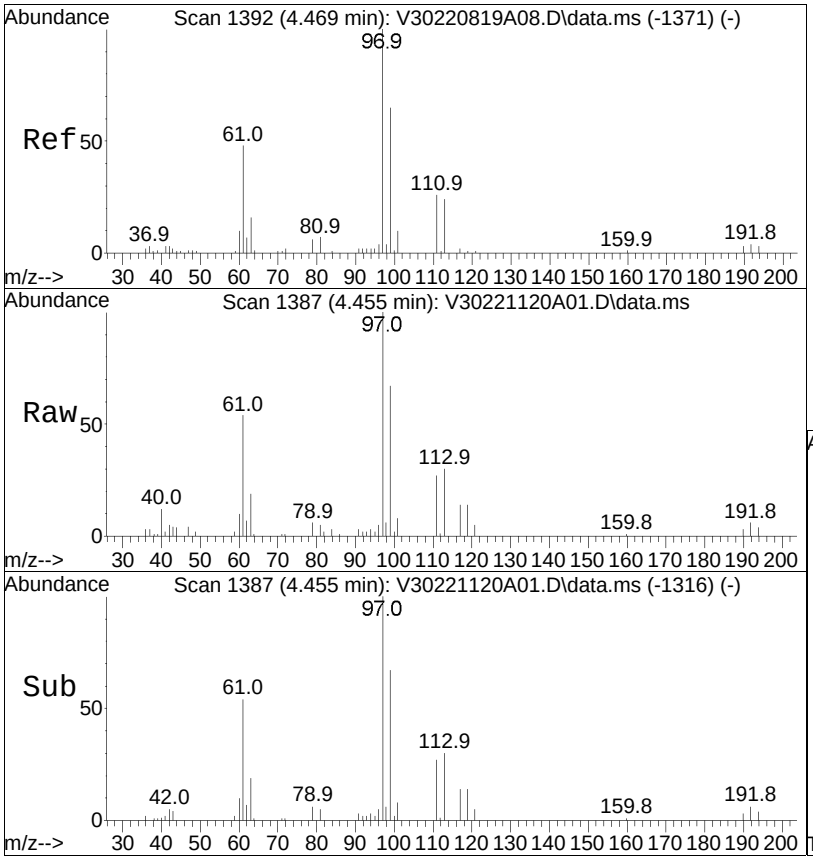


#34
Carbon tetrachloride
Concen: 10.95 ug/L
RT: 4.357 min Scan# 1352
Delta R.T. 0.002 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:117 Resp: 56825

Ion	Ratio	Lower	Upper
117	100		
119	44.3	62.4	129.6#
121	32.5	19.5	40.5
82	22.2	17.0	35.4

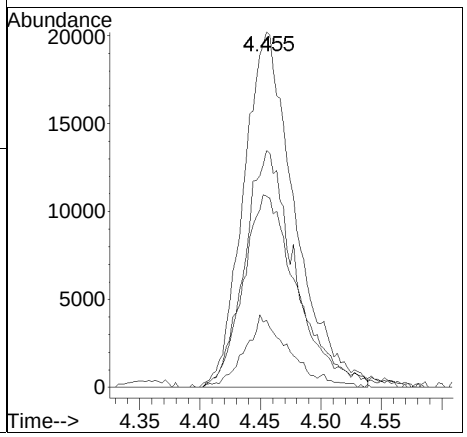


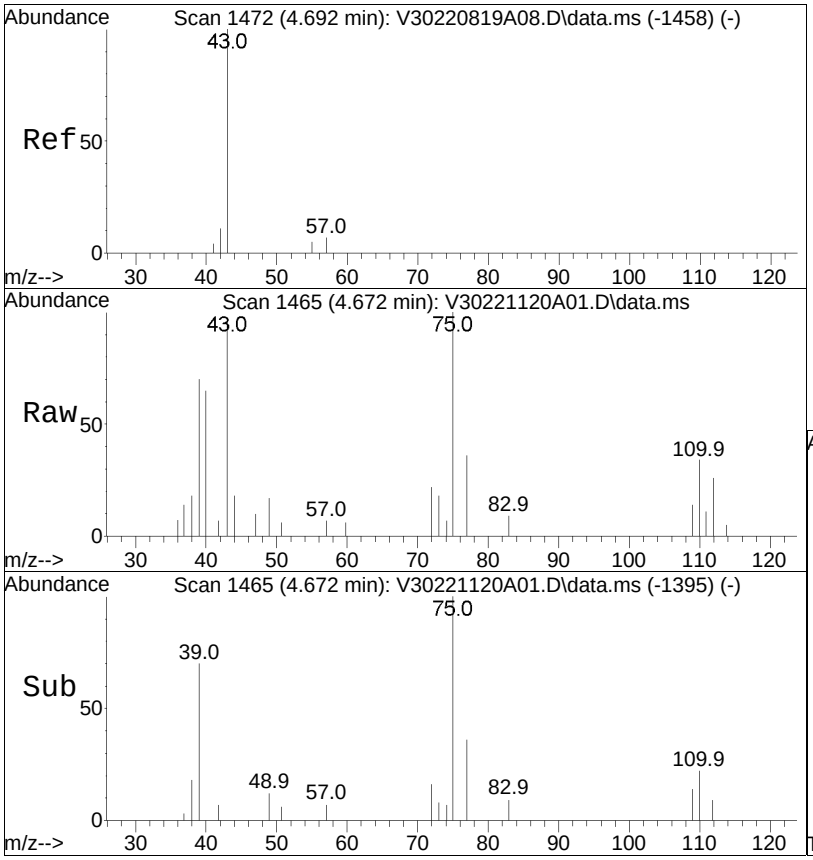


#37
1,1,1-Trichloroethane
Concen: 11.05 ug/L
RT: 4.455 min Scan# 1387
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 97 Resp: 59911

Ion	Ratio	Lower	Upper
97	100		
99	65.3	40.7	84.5
61	56.8	35.4	73.4
63	16.6	5.0	10.4#

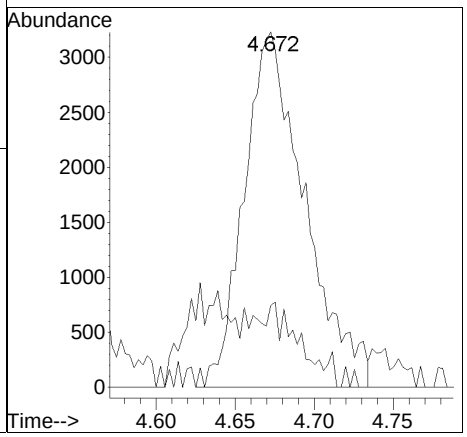


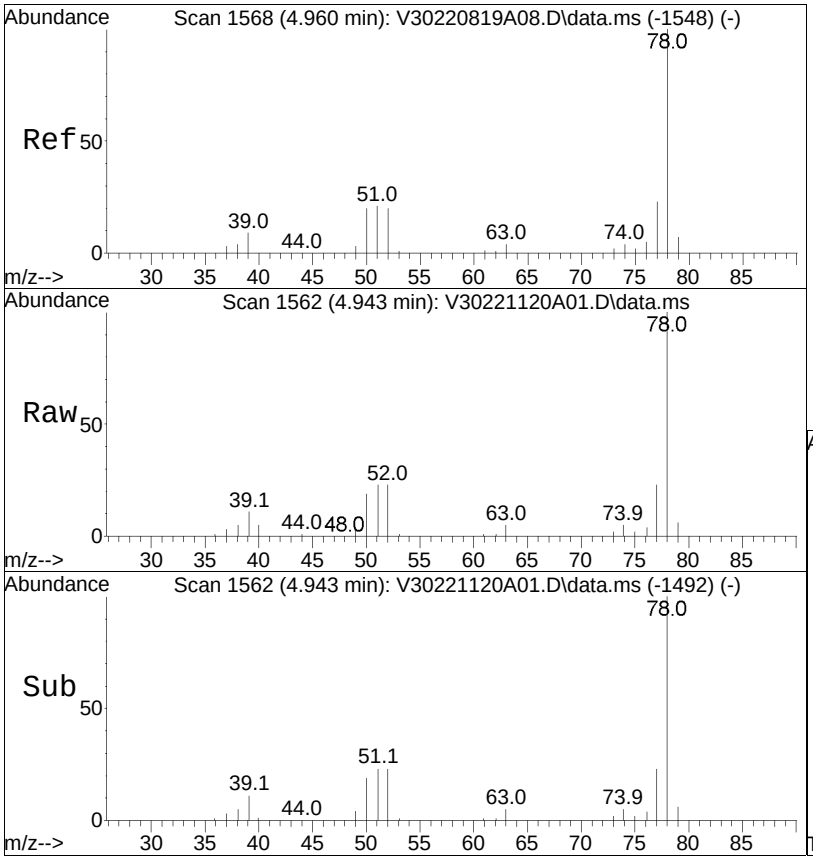


#39
2-Butanone
Concen: 10.80 ug/L
RT: 4.672 min Scan# 1465
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 43 Resp: 8635

Ion	Ratio	Lower	Upper
43	100		
72	9.6	10.9	16.3#

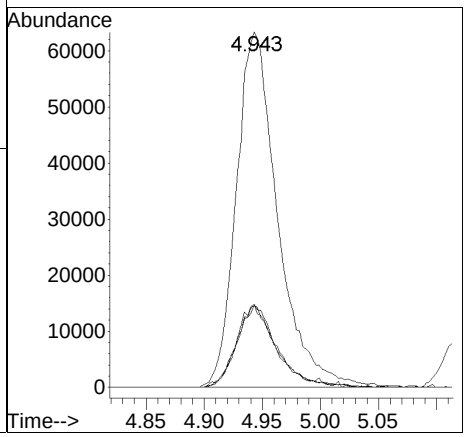


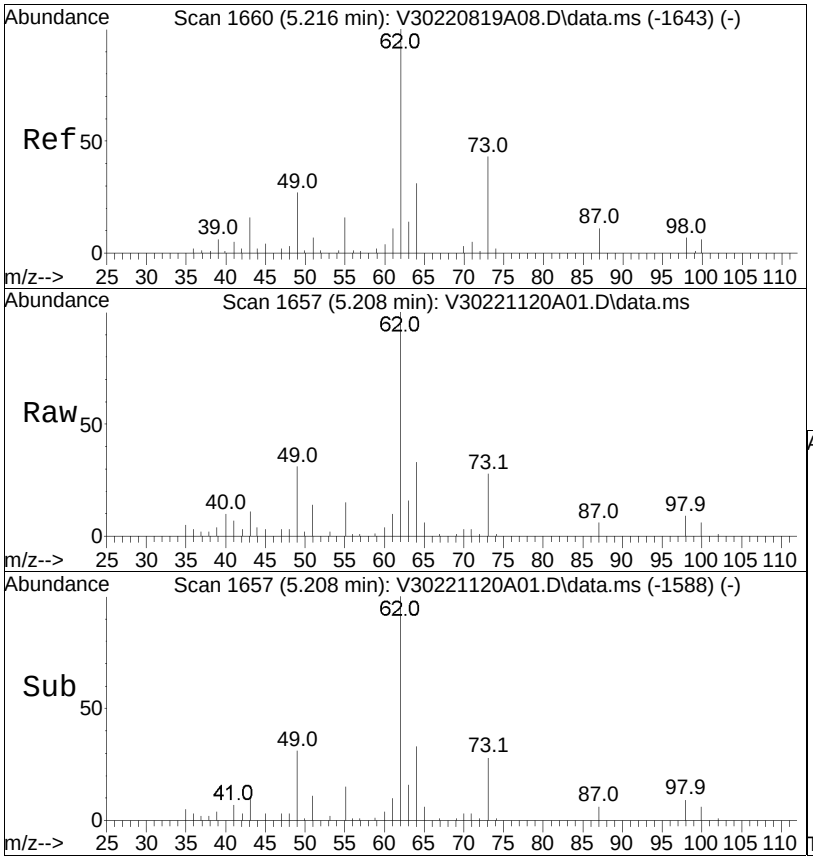


#41
Benzene
Concen: 12.03 ug/L
RT: 4.943 min Scan# 1562
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 78 Resp: 156779

Ion	Ratio	Lower	Upper
78	100		
77	23.0	15.7	32.7
51	21.7	16.0	33.2
52	21.7	15.3	31.9

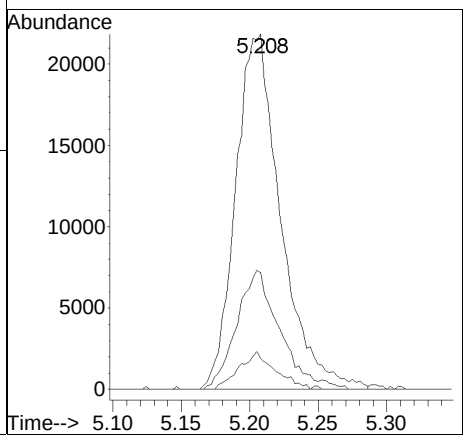


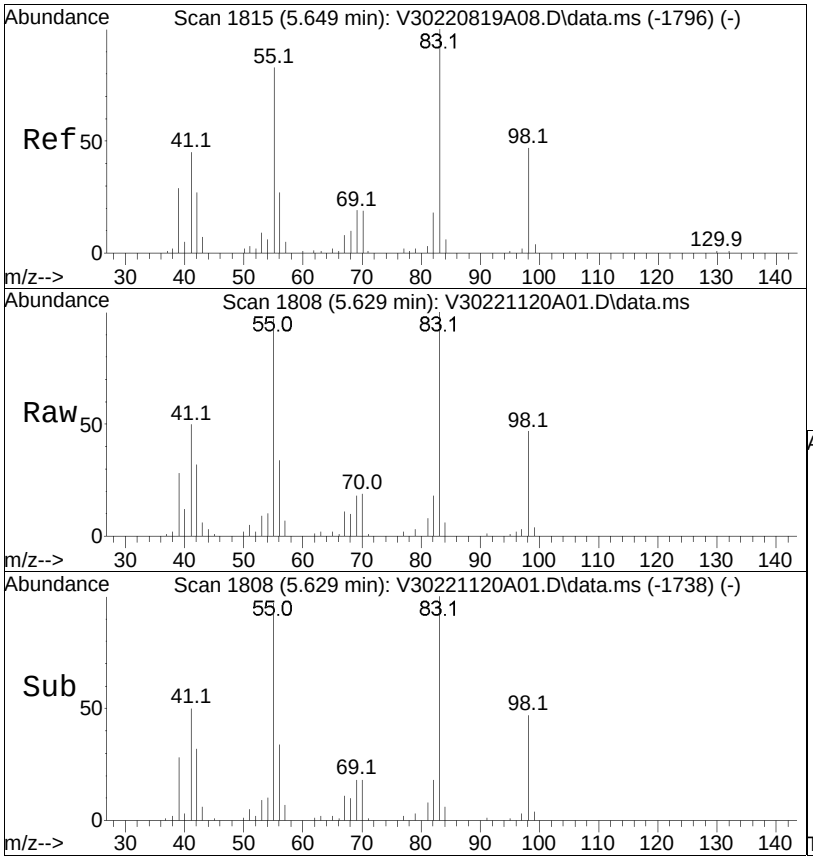


#44
1,2-Dichloroethane
Concen: 10.27 ug/L
RT: 5.208 min Scan# 1657
Delta R.T. -0.008 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 62 Resp: 50108

Ion	Ratio	Lower	Upper
62	100		
64	32.1	11.2	51.2
98	8.5	0.0	26.1

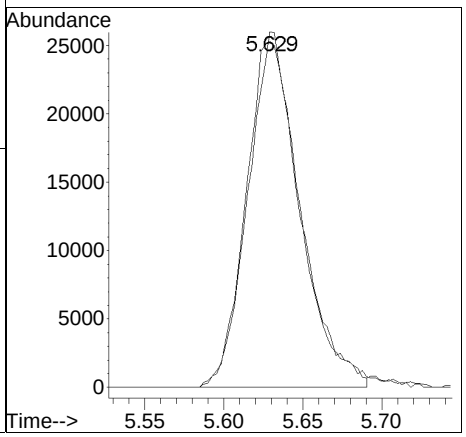


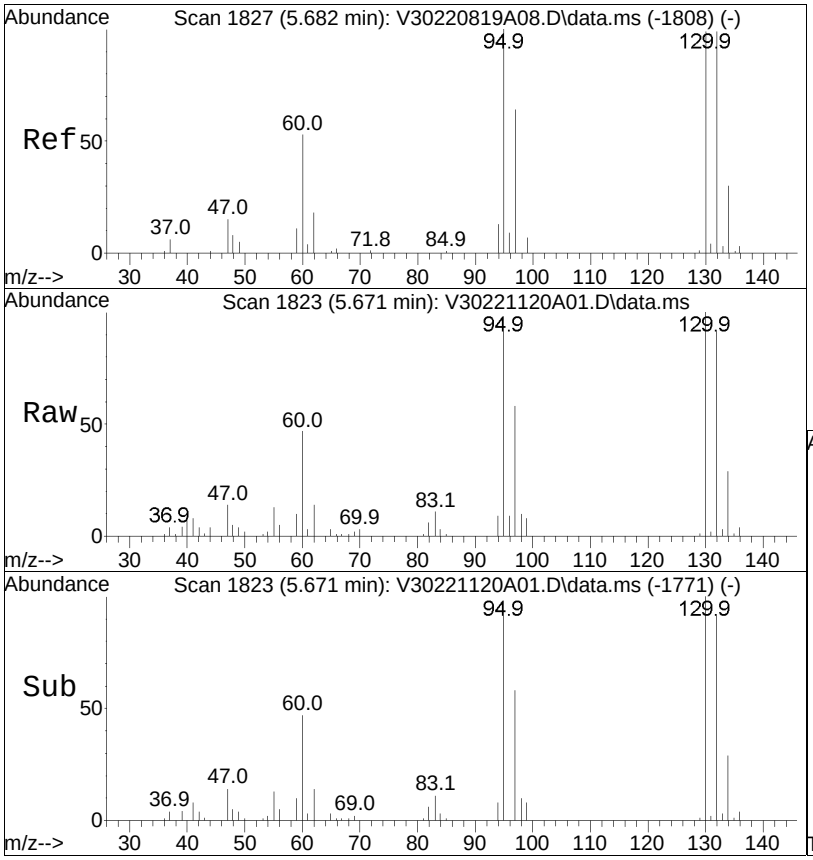


#47
Methyl cyclohexane
Concen: 9.62 ug/L
RT: 5.629 min Scan# 1808
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 83 Resp: 59331

Ion	Ratio	Lower	Upper
83	100		
55	103.3	88.3	132.5

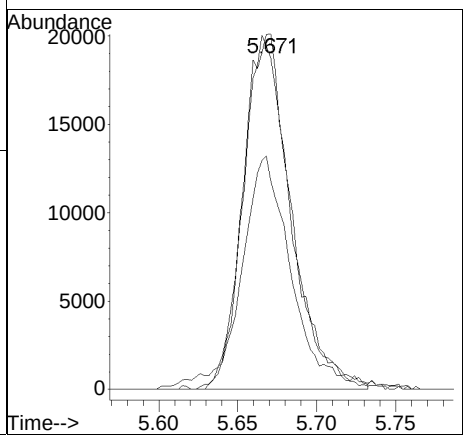


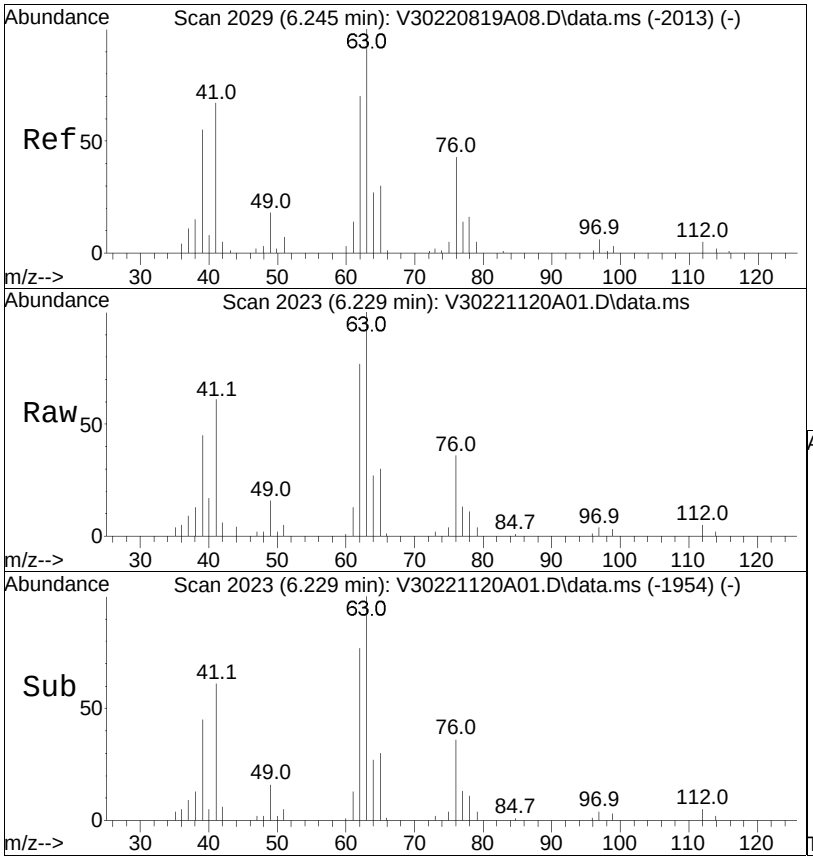


#48
Trichloroethene
Concen: 12.20 ug/L
RT: 5.671 min Scan# 1823
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 95 Resp: 42770

Ion	Ratio	Lower	Upper
95	100		
97	67.9	55.5	83.3
132	98.6	76.6	115.0

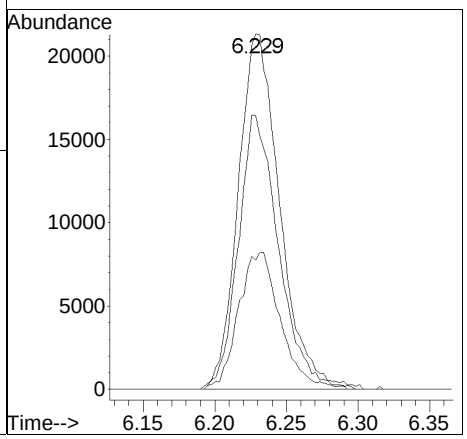


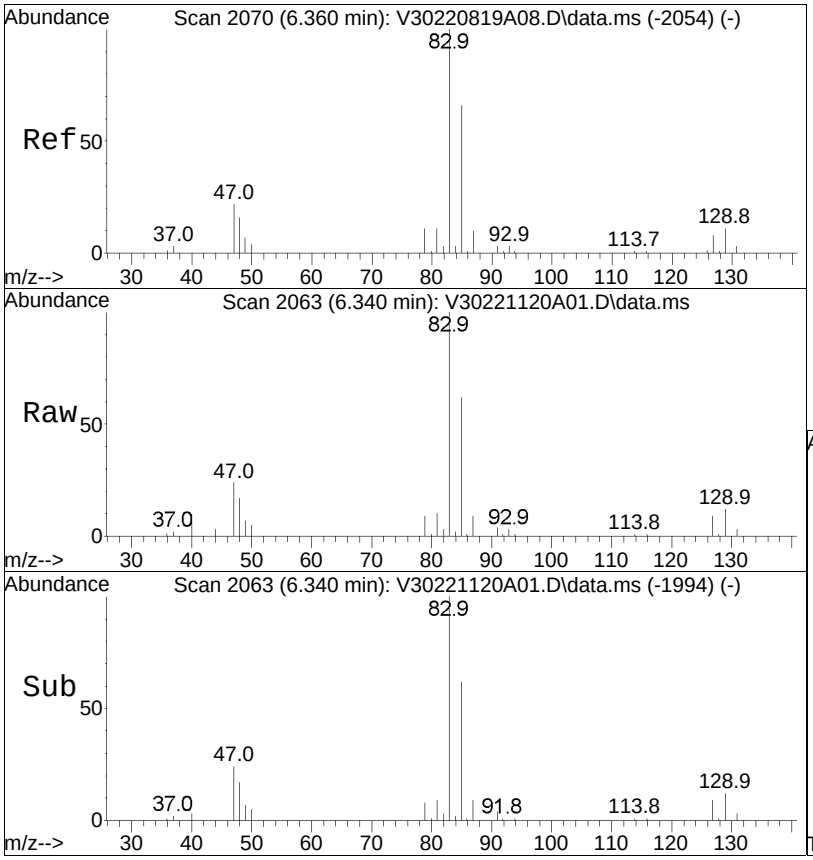


#51
1,2-Dichloropropane
Concen: 11.99 ug/L
RT: 6.229 min Scan# 2023
Delta R.T. -0.008 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 63 Resp: 43218

Ion	Ratio	Lower	Upper
63	100		
62	74.5	58.6	87.8
76	38.8	38.0	57.0

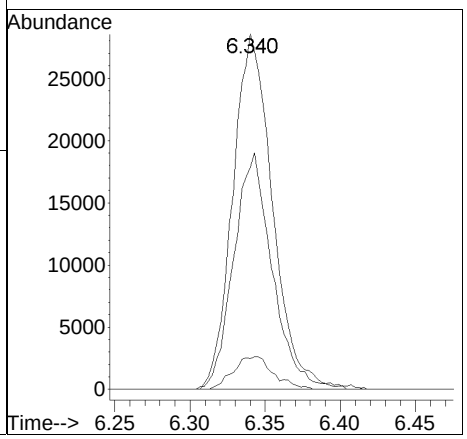


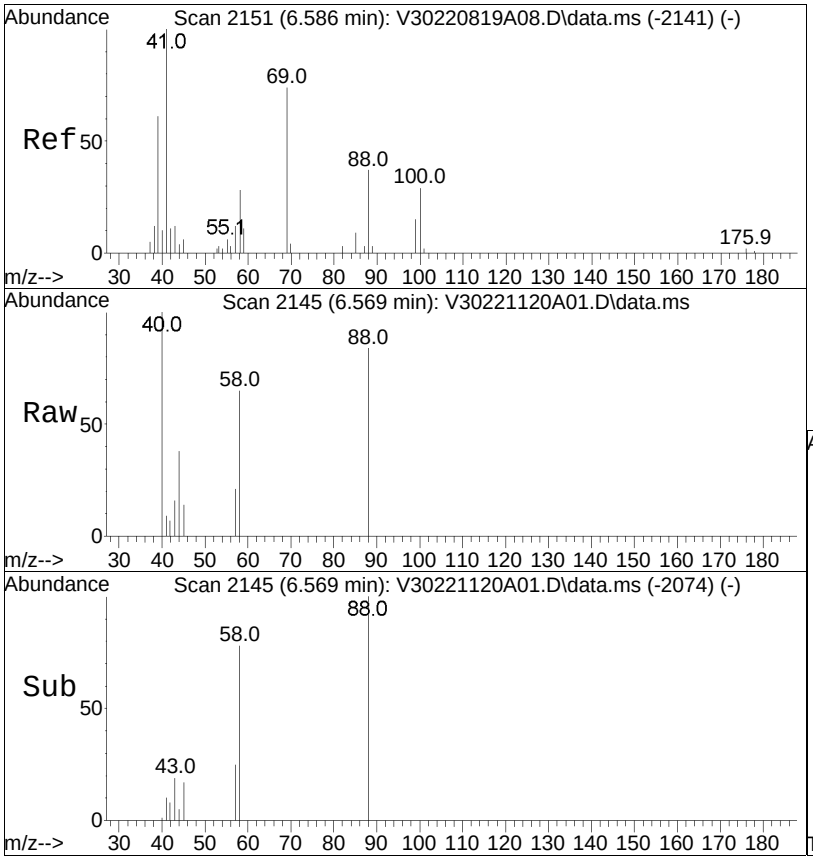


#54
Bromodichloromethane
Concen: 10.33 ug/L
RT: 6.340 min Scan# 2063
Delta R.T. -0.009 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 83 Resp: 52552

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5
127	9.4	6.2	9.4#

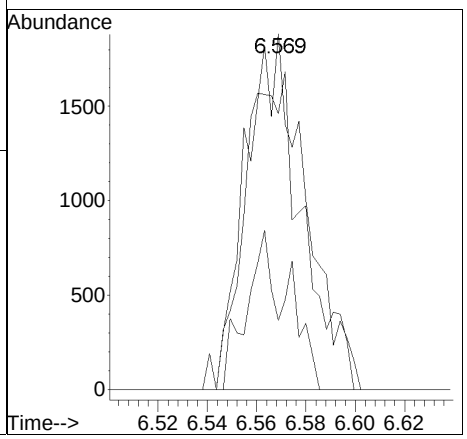


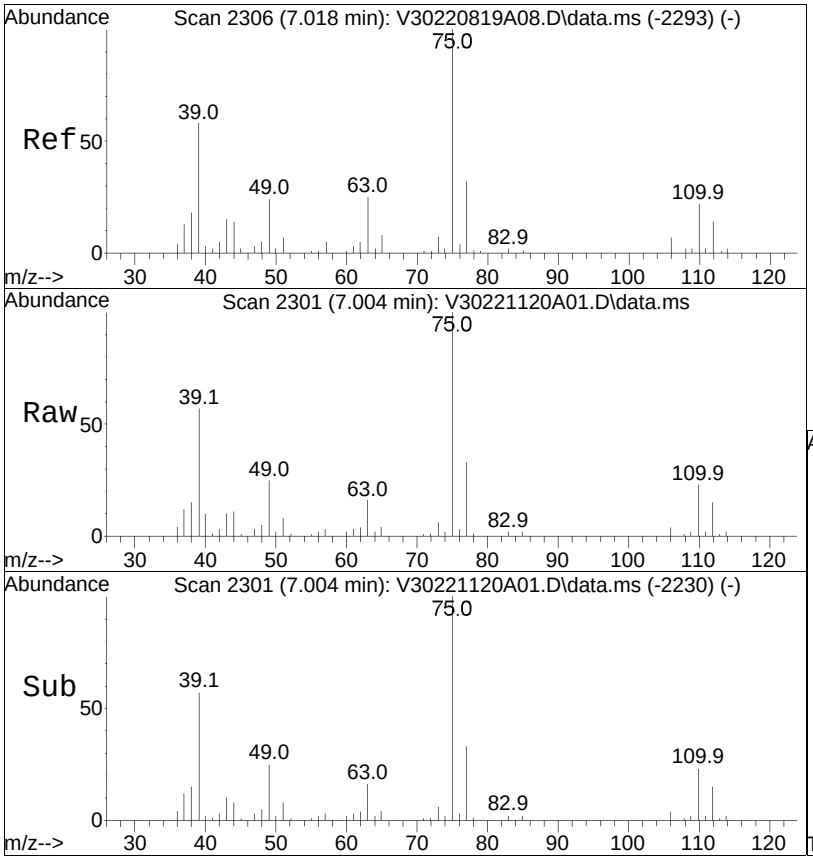


#57
1,4-Dioxane
Concen: 213.58 ug/L
RT: 6.569 min Scan# 2145
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 88 Resp: 3194

Ion	Ratio	Lower	Upper
88	100		
58	87.5	76.7	115.1
43	20.4	36.2	54.2#

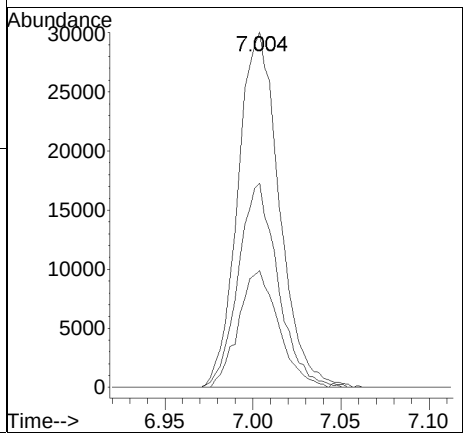


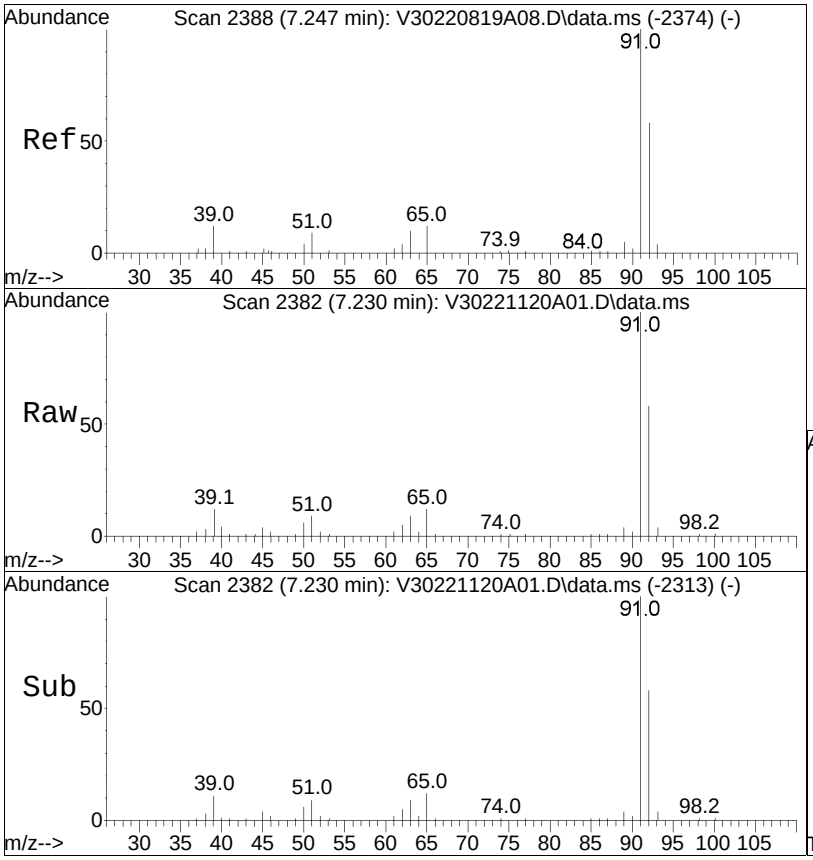


#58
cis-1,3-Dichloropropene
Concen: 9.93 ug/L
RT: 7.004 min Scan# 2301
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 75 Resp: 49255

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	55.2	50.1	75.1

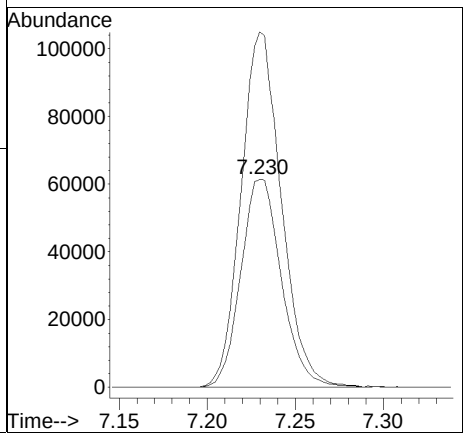


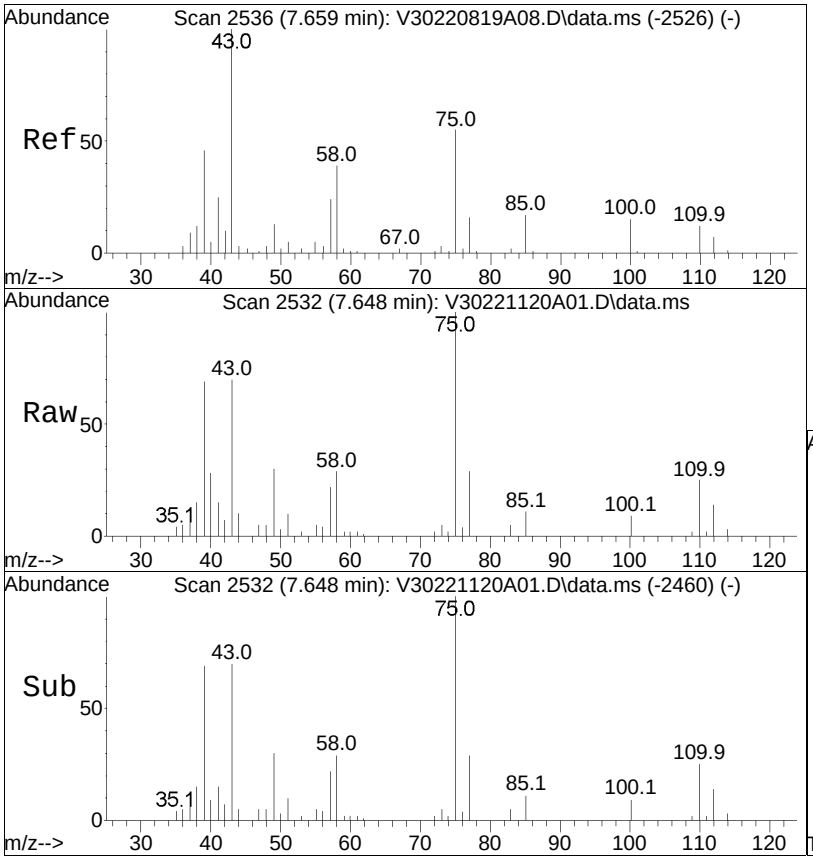


#61
Toluene
Concen: 11.94 ug/L
RT: 7.230 min Scan# 2382
Delta R.T. -0.008 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 92 Resp: 98803

Ion	Ratio	Lower	Upper
92	100		
91	168.9	139.8	209.6

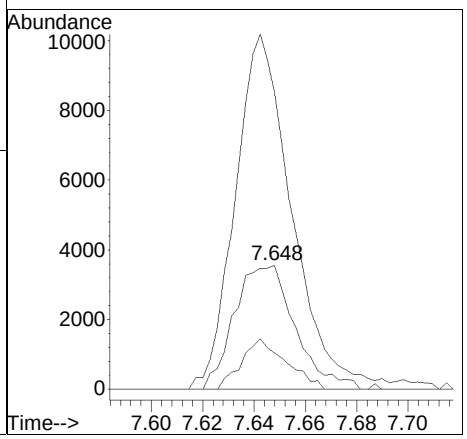


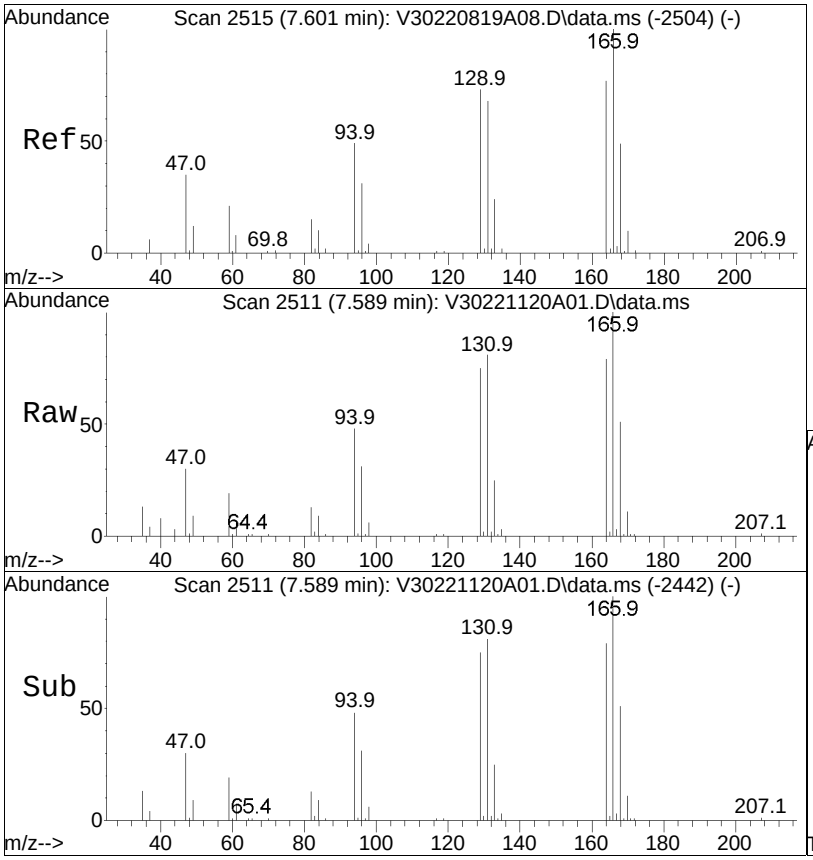


#62
4-Methyl-2-pentanone
Concen: 8.96 ug/L
RT: 7.648 min Scan# 2532
Delta R.T. -0.000 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 58 Resp: 5831

Ion	Ratio	Lower	Upper
58	100		
100	30.2	20.2	30.2
43	267.6	196.6	295.0

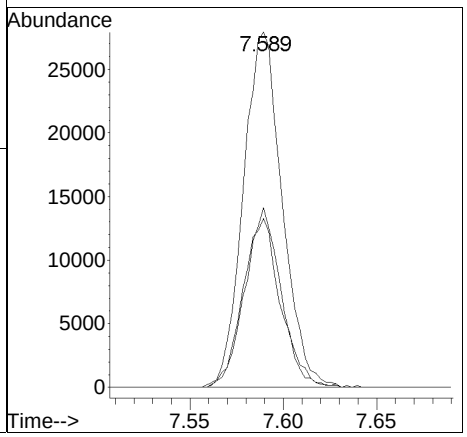


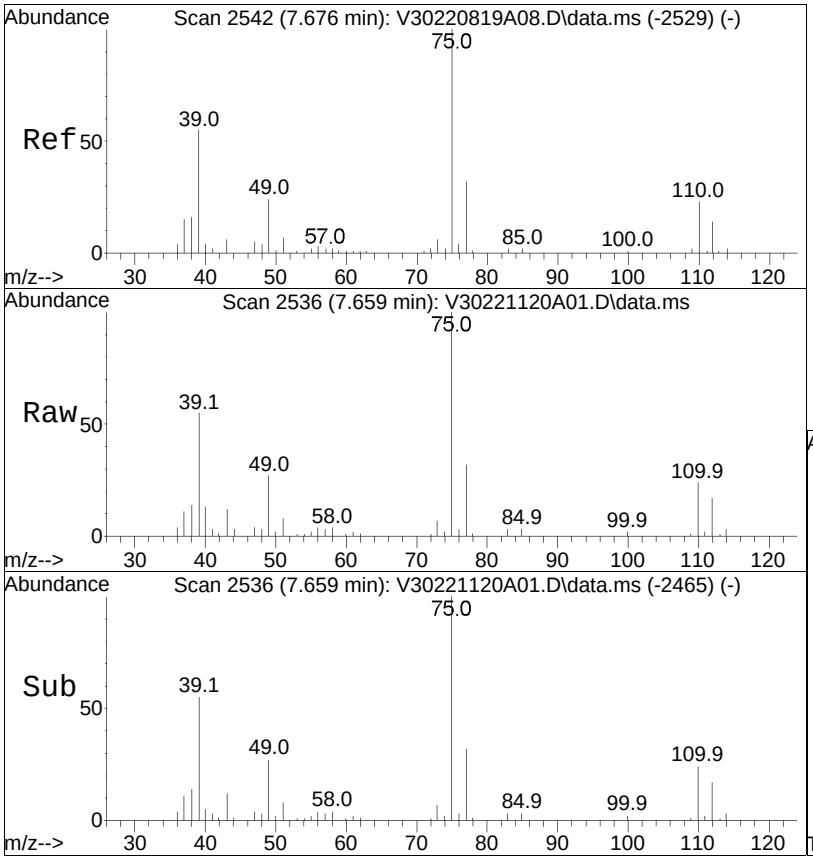


#63
Tetrachloroethene
Concen: 11.28 ug/L
RT: 7.589 min Scan# 2511
Delta R.T. -0.009 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:166 Resp: 40536

Ion	Ratio	Lower	Upper
166	100		
168	47.4	28.2	68.2
94	45.7	38.4	78.4

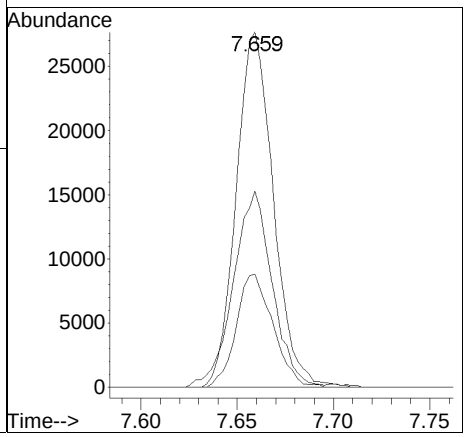


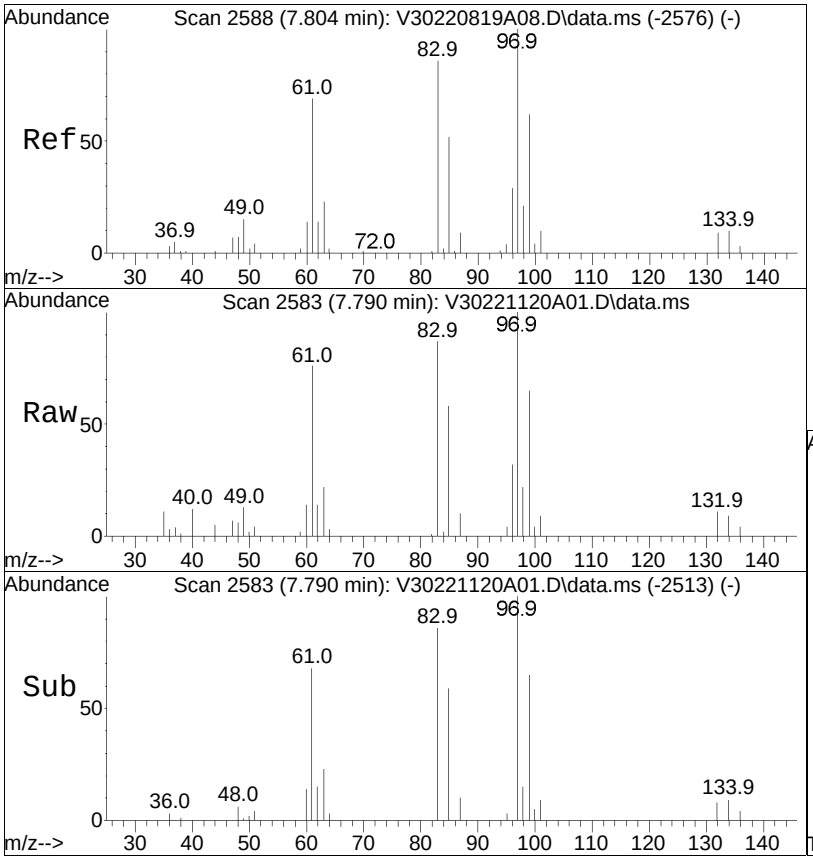


#65
trans-1,3-Dichloropropene
Concen: 8.97 ug/L
RT: 7.659 min Scan# 2536
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 75 Resp: 37317

Ion	Ratio	Lower	Upper
75	100		
77	31.5	12.4	52.4
39	57.7	42.8	82.8

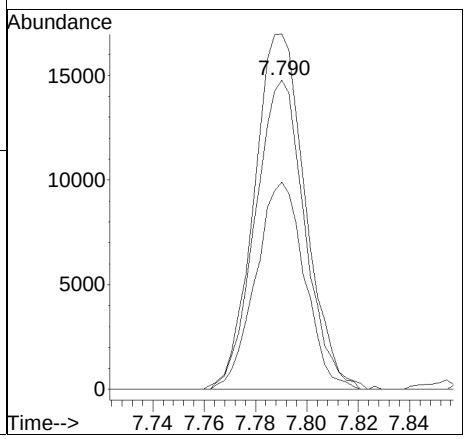


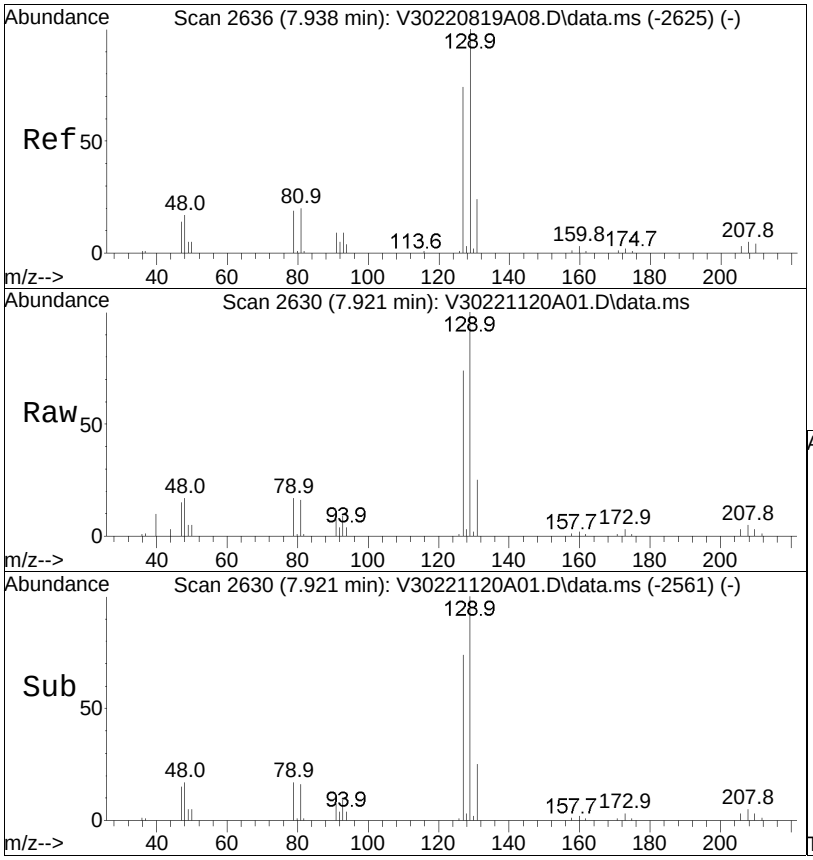


#68
1,1,2-Trichloroethane
Concen: 9.62 ug/L
RT: 7.790 min Scan# 2583
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 83 Resp: 19795

Ion	Ratio	Lower	Upper
83	100		
97	118.9	89.8	129.8
85	66.3	44.4	84.4

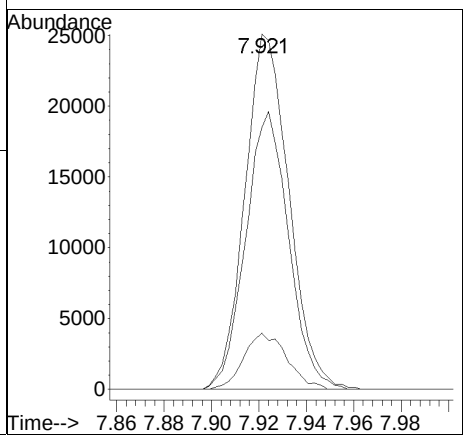


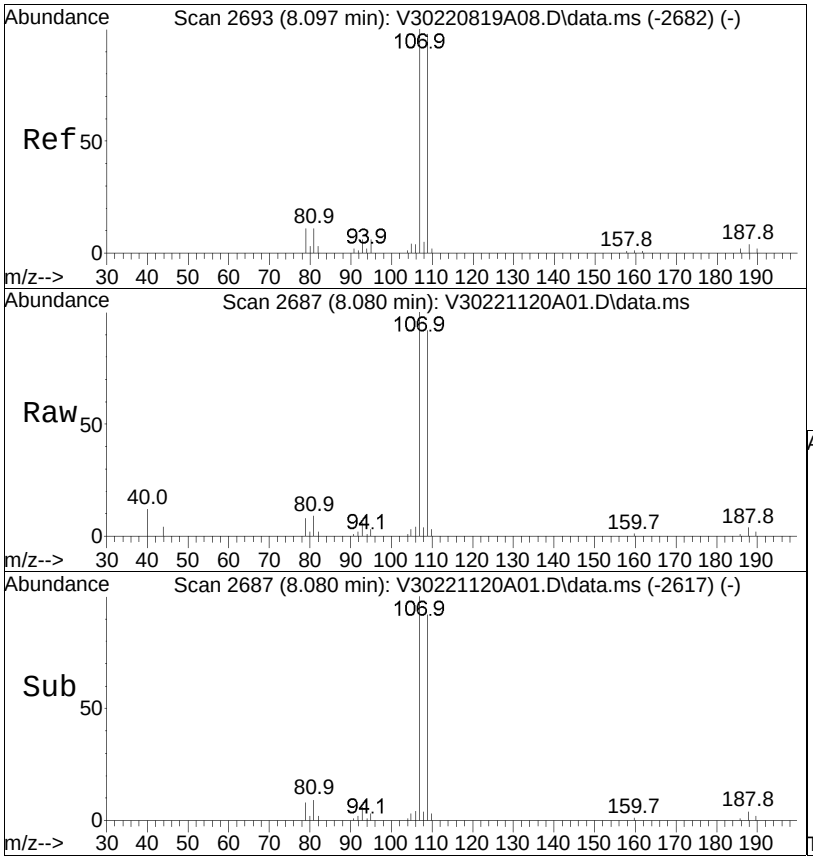


#69
Chlorodibromomethane
Concen: 9.45 ug/L
RT: 7.921 min Scan# 2630
Delta R.T. -0.009 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:129 Resp: 32521

Ion	Ratio	Lower	Upper
129	100		
81	15.5	2.9	42.9
127	76.0	57.8	97.8

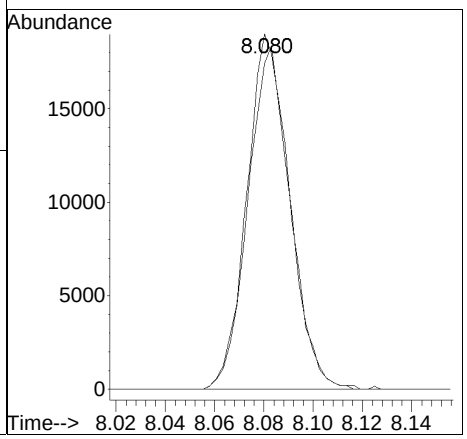


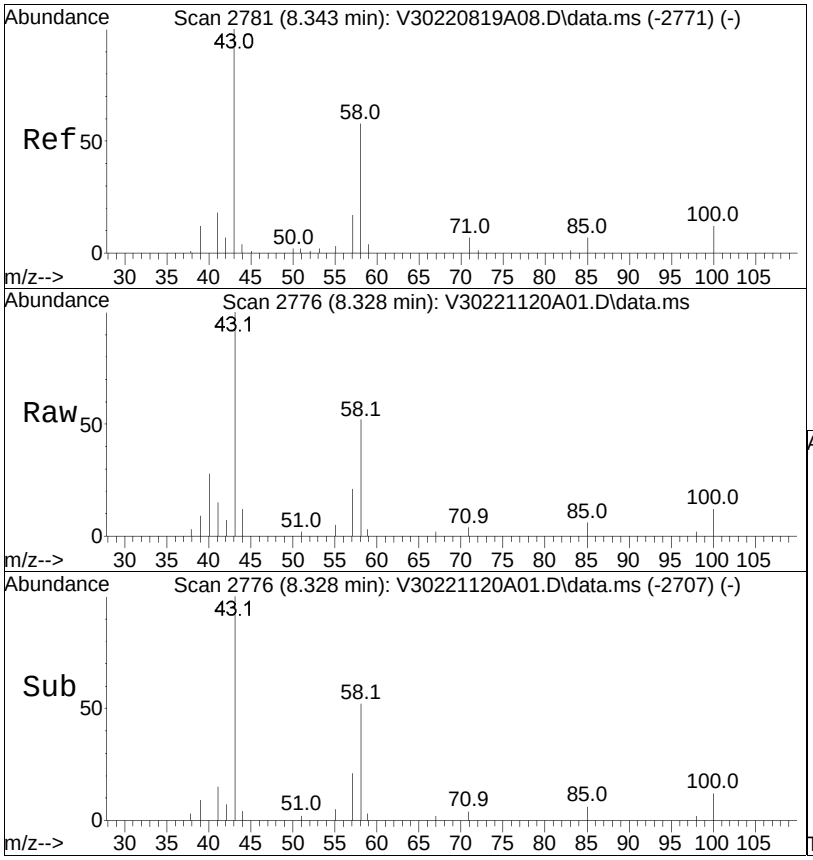


#71
1,2-Dibromoethane
Concen: 9.52 ug/L
RT: 8.080 min Scan# 2687
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:107 Resp: 22954

Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.3	111.5

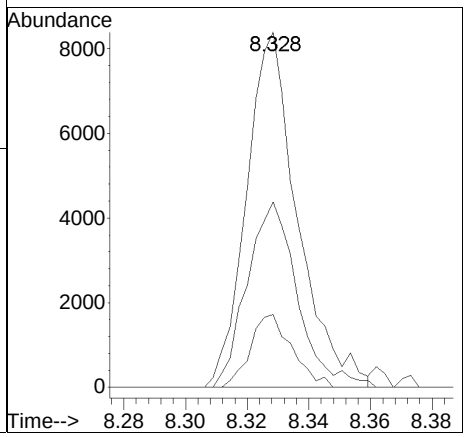


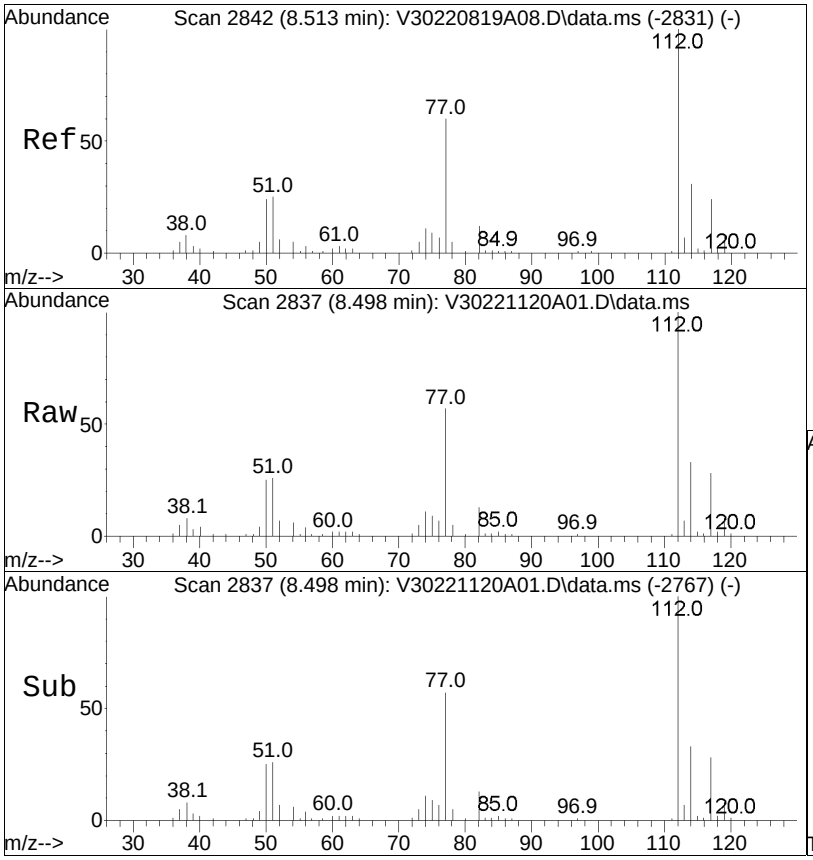


#72
2-Hexanone
Concen: 9.46 ug/L
RT: 8.328 min Scan# 2776
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 43 Resp: 9662

Ion	Ratio	Lower	Upper
43	100		
58	51.5	41.2	61.8
57	16.8	17.2	25.8#

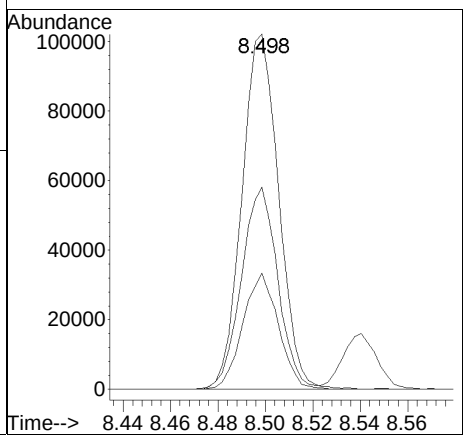


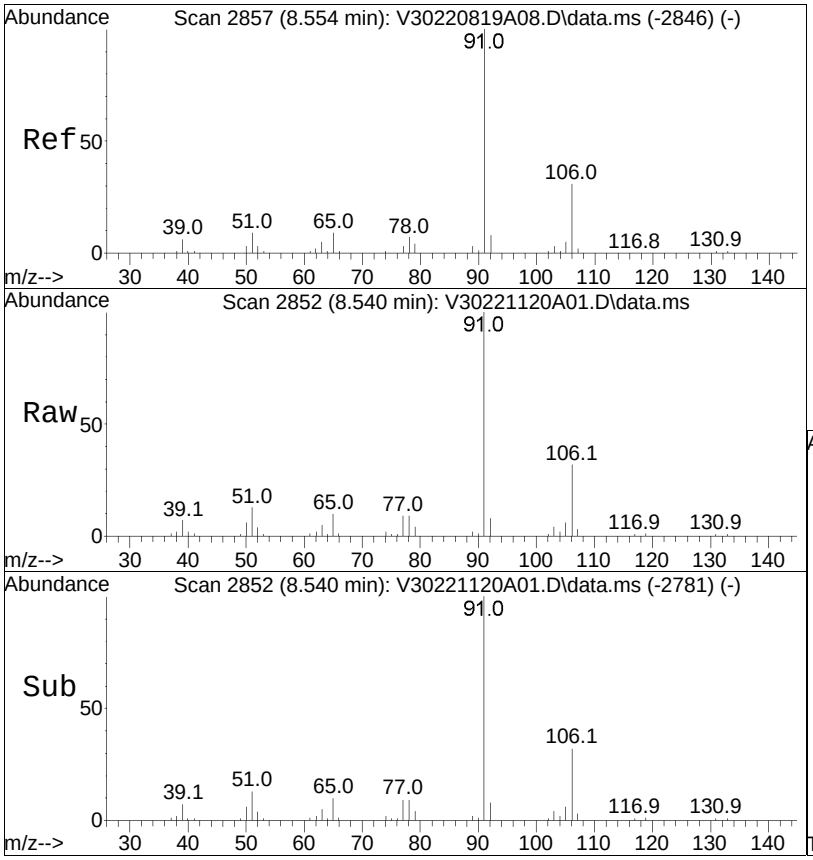


#73
Chlorobenzene
Concen: 11.60 ug/L
RT: 8.498 min Scan# 2837
Delta R.T. -0.002 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:112 Resp: 110185

Ion	Ratio	Lower	Upper
112	100		
77	56.3	55.4	83.0
114	31.6	25.4	38.2

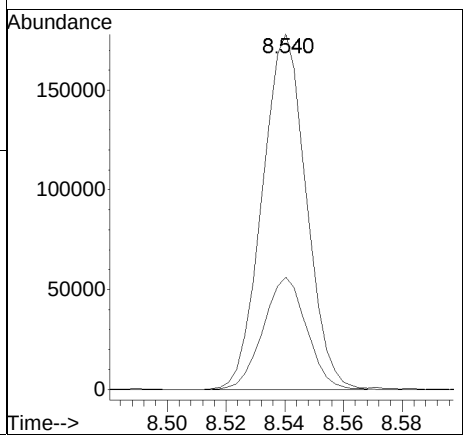


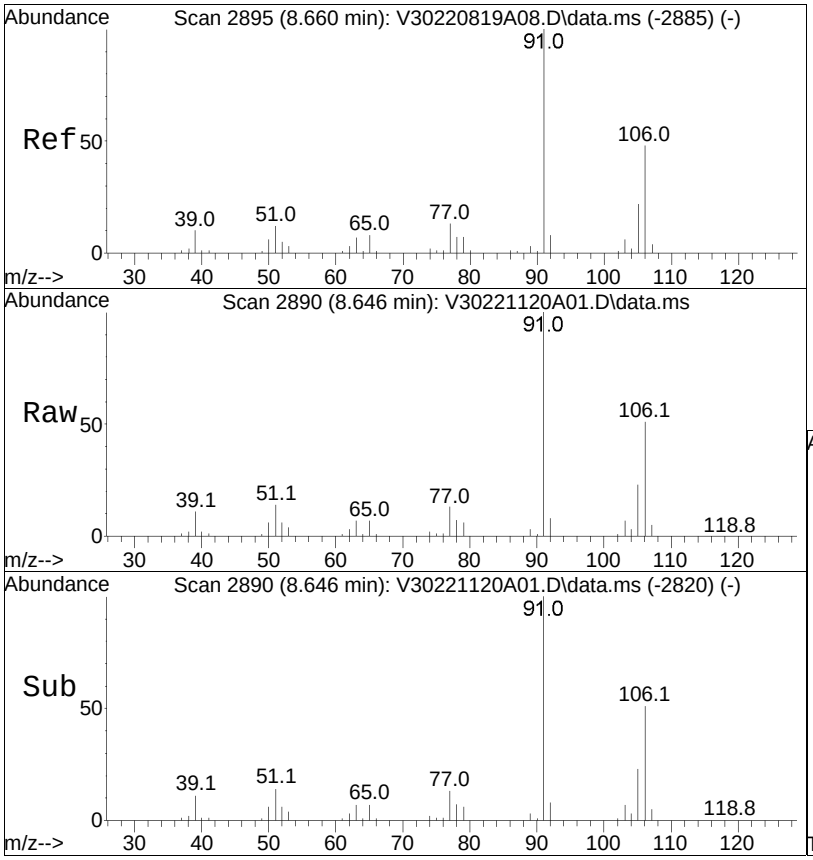


#74
Ethylbenzene
Concen: 11.75 ug/L
RT: 8.540 min Scan# 2852
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 91 Resp: 184945

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.3	36.5

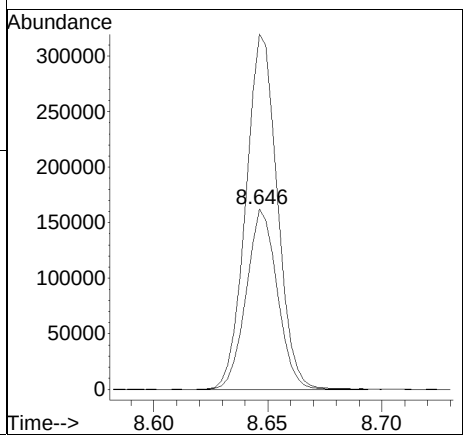


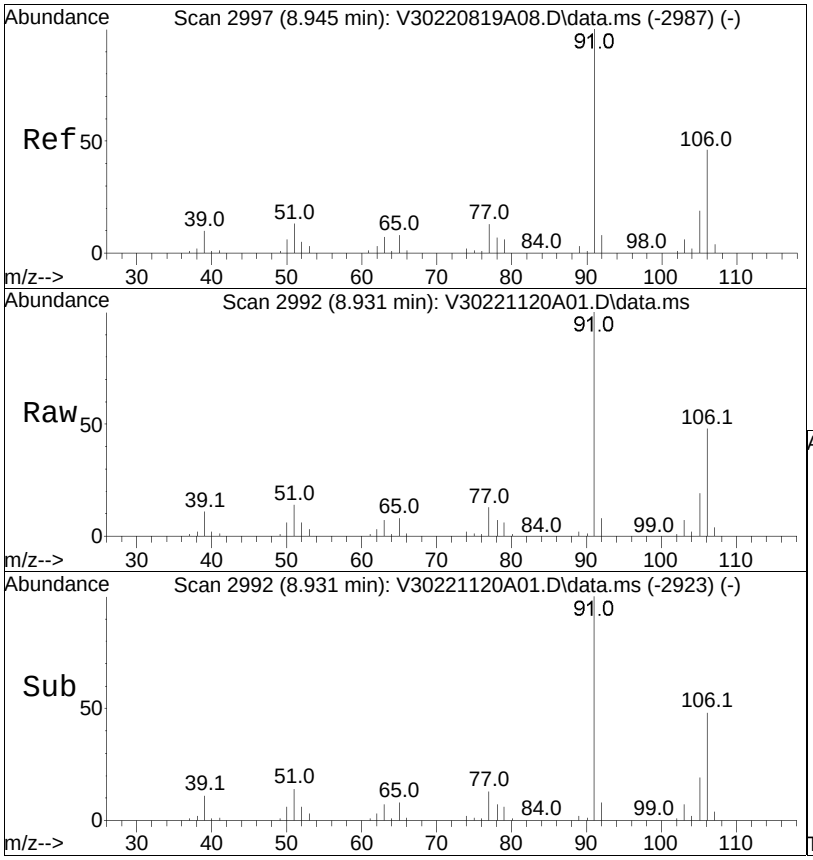


#76
p/m Xylene
Concen: 24.28 ug/L
RT: 8.646 min Scan# 2890
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:106 Resp: 153566

Ion	Ratio	Lower	Upper
106	100		
91	199.7	166.4	249.6

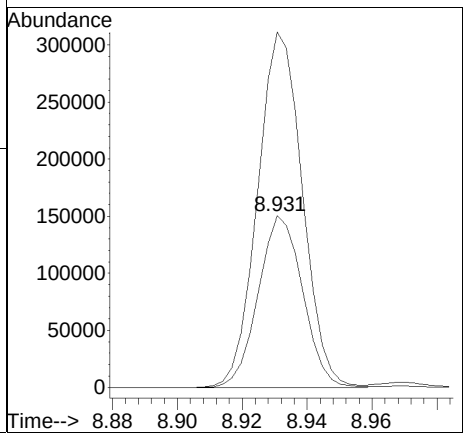


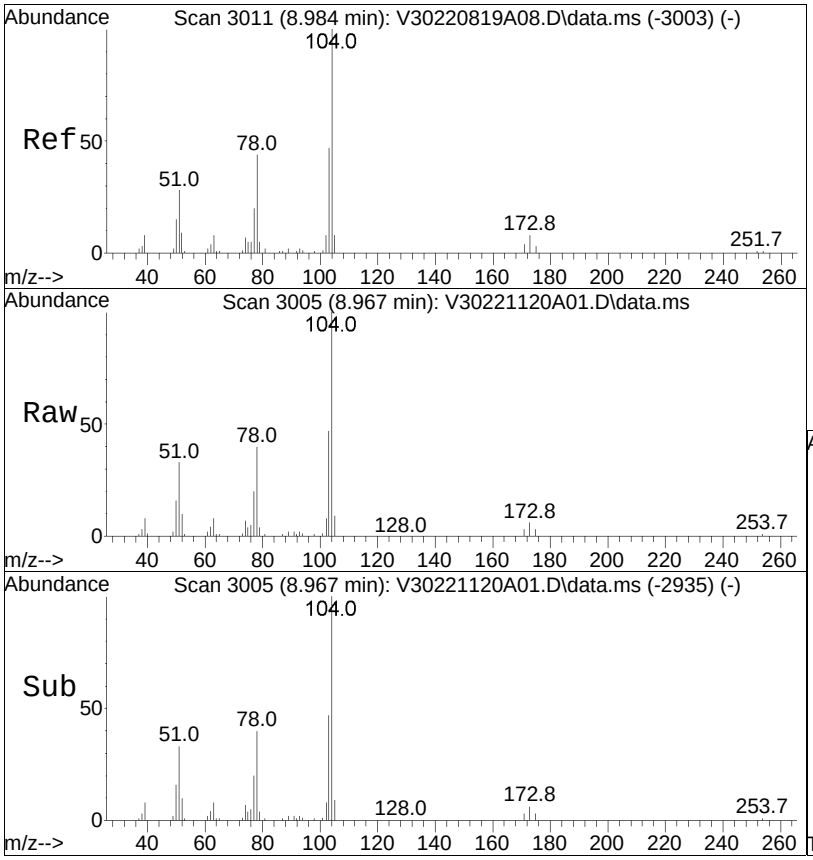


#77
o Xylene
Concen: 23.41 ug/L
RT: 8.931 min Scan# 2992
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:106 Resp: 142781

Ion	Ratio	Lower	Upper
106	100		
91	208.8	182.6	273.8

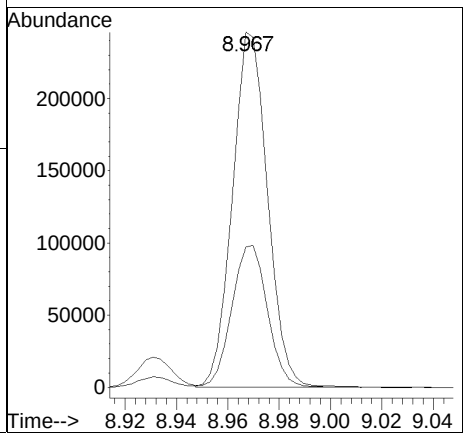


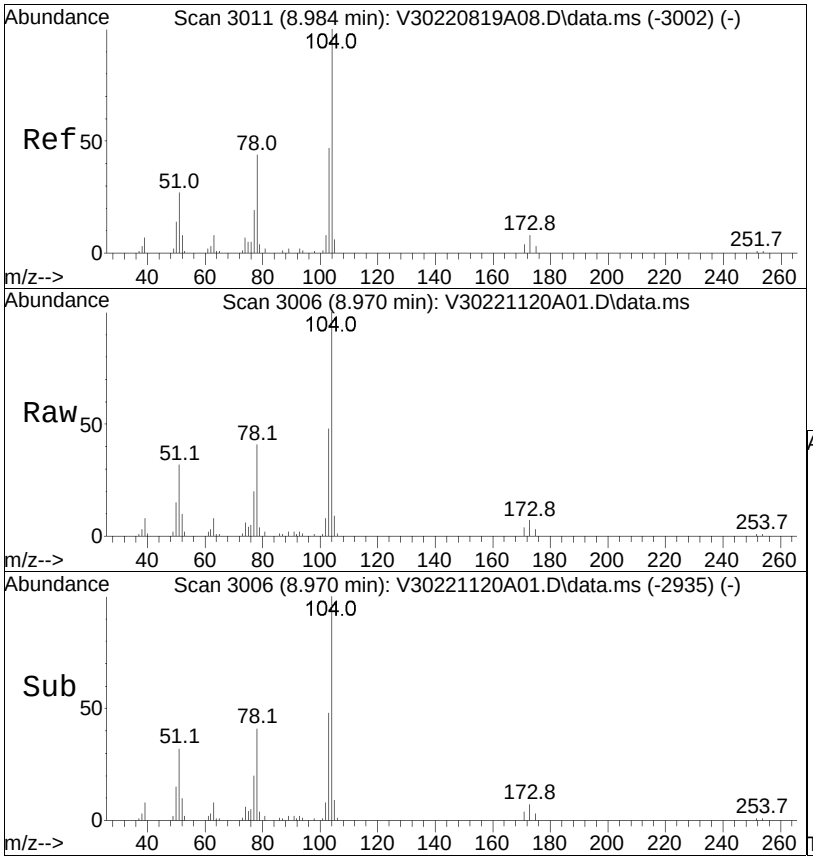


#78
Styrene
Concen: 22.84 ug/L
RT: 8.967 min Scan# 3005
Delta R.T. -0.006 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:104 Resp: 233362

Ion	Ratio	Lower	Upper
104	100		
78	40.8	39.8	59.6

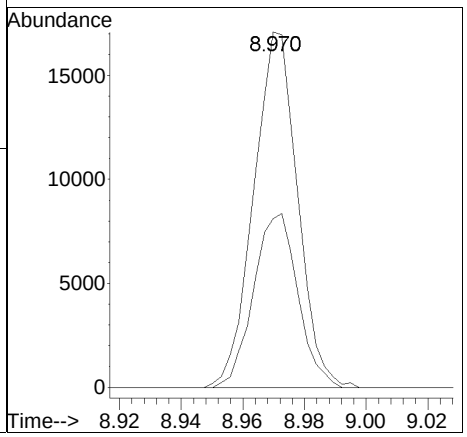


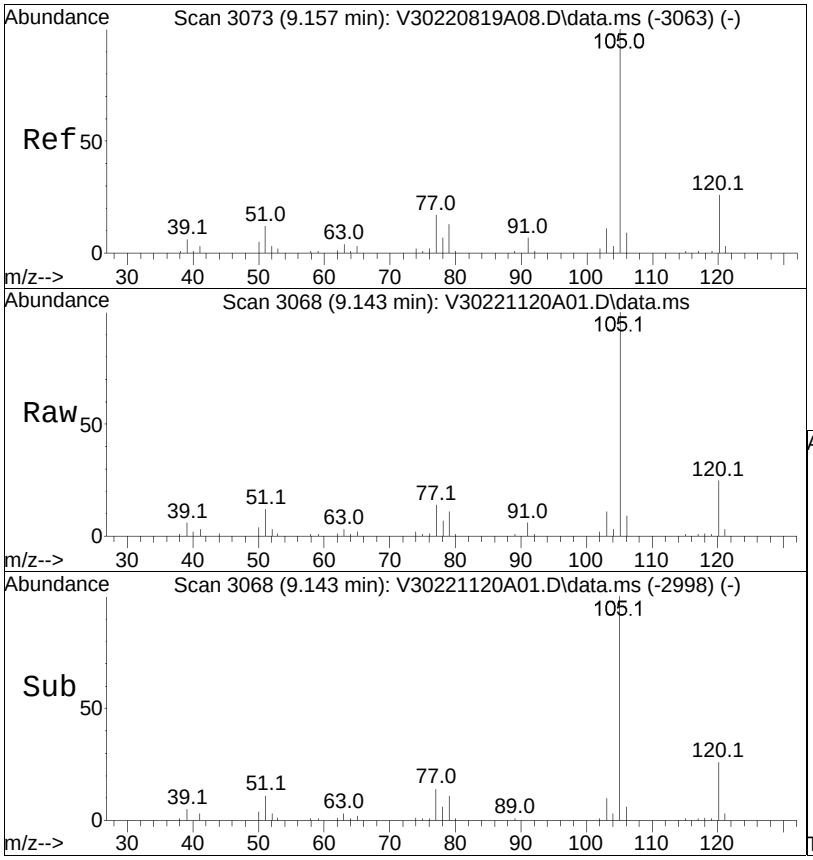


#80
Bromoform
Concen: 7.89 ug/L
RT: 8.970 min Scan# 3006
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:173 Resp: 16892

Ion	Ratio	Lower	Upper
173	100		
175	49.3	31.5	71.5

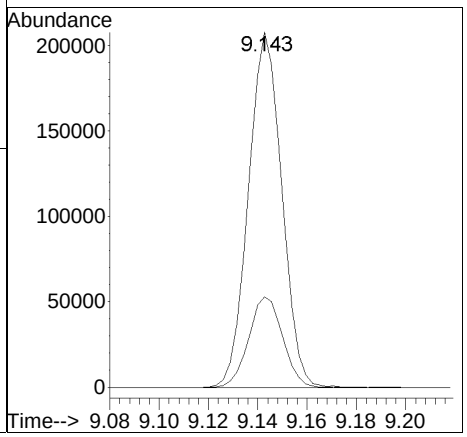


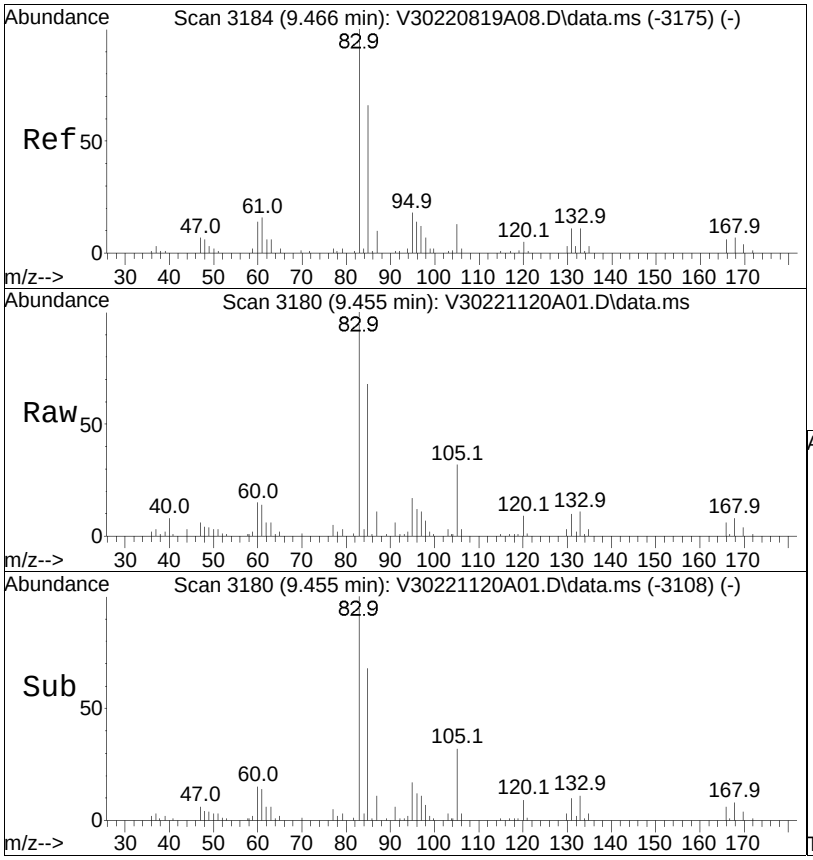


#82
Isopropylbenzene
Concen: 11.65 ug/L
RT: 9.143 min Scan# 3068
Delta R.T. -0.005 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:105 Resp: 195371

Ion	Ratio	Lower	Upper
105	100		
120	25.9	4.8	44.8

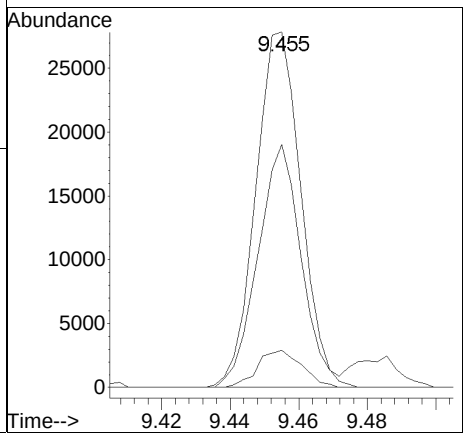


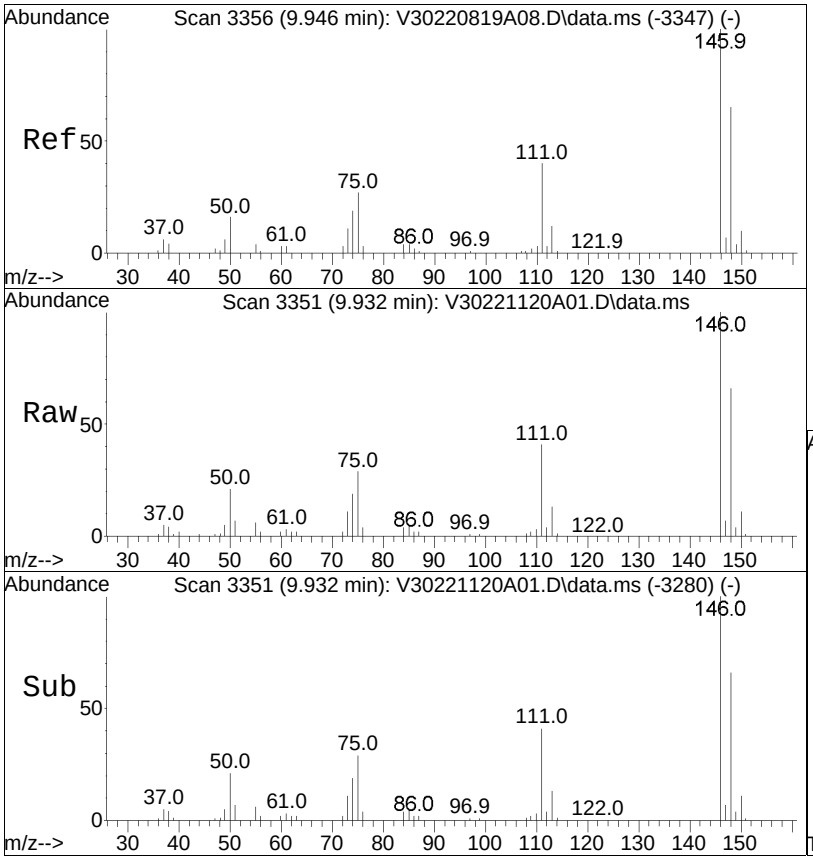


#87
1,1,2,2-Tetrachloroethane
Concen: 8.71 ug/L
RT: 9.455 min Scan# 3180
Delta R.T. 0.000 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion: 83 Resp: 25539

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	30.4
85	65.6	45.4	85.4

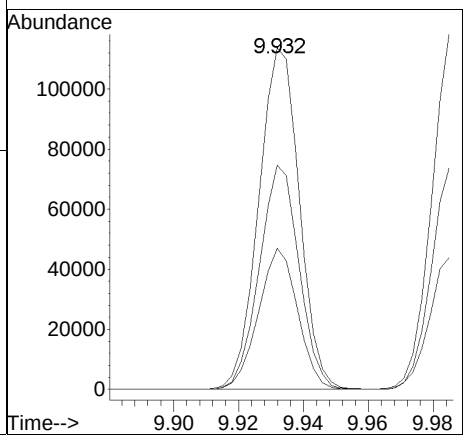


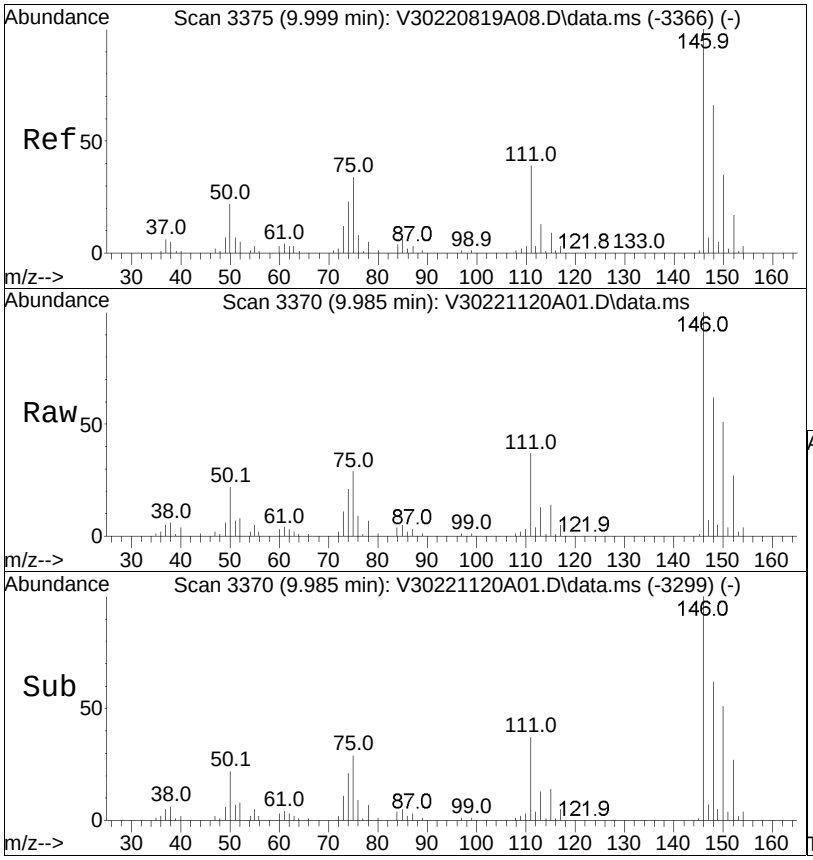


#100
1,3-Dichlorobenzene
Concen: 11.41 ug/L
RT: 9.932 min Scan# 3351
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:146 Resp: 98919

Ion	Ratio	Lower	Upper
146	100		
111	39.9	27.5	57.1
148	64.2	41.9	86.9

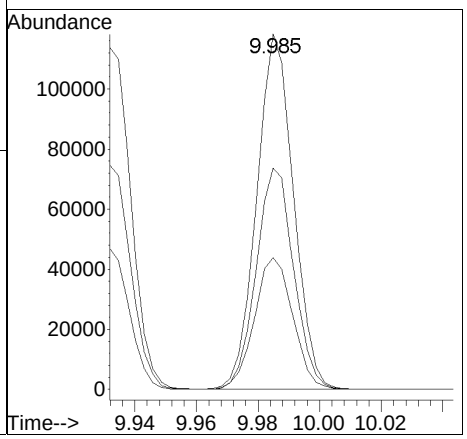


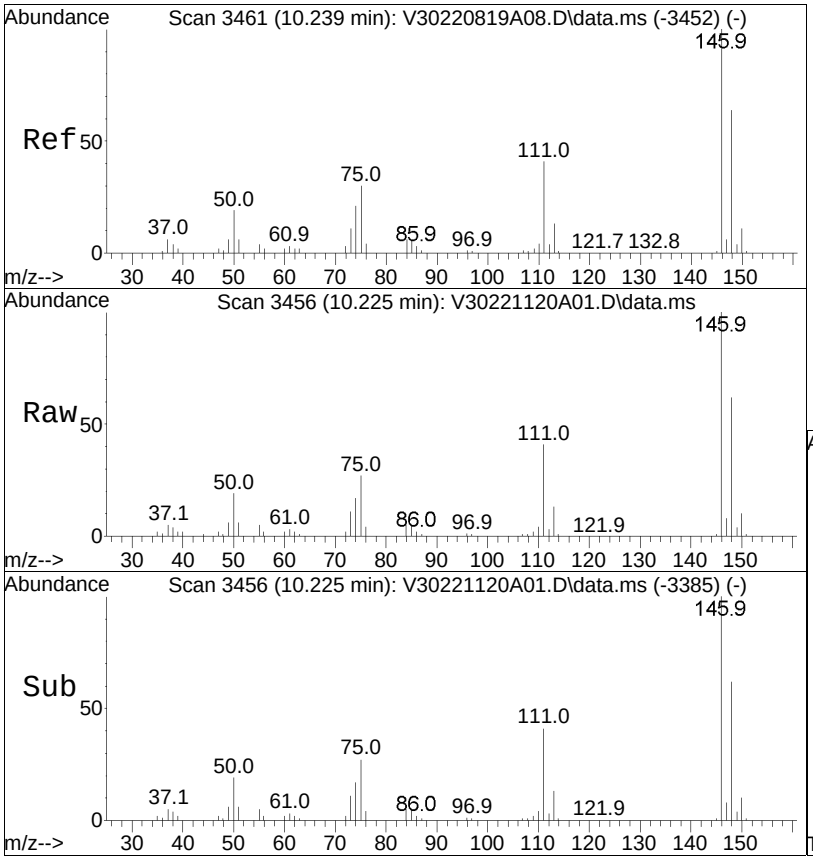


#101
1,4-Dichlorobenzene
Concen: 11.45 ug/L
RT: 9.985 min Scan# 3370
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:146 Resp: 98202

Ion	Ratio	Lower	Upper
146	100		
111	38.7	32.3	48.5
148	63.4	49.9	74.9

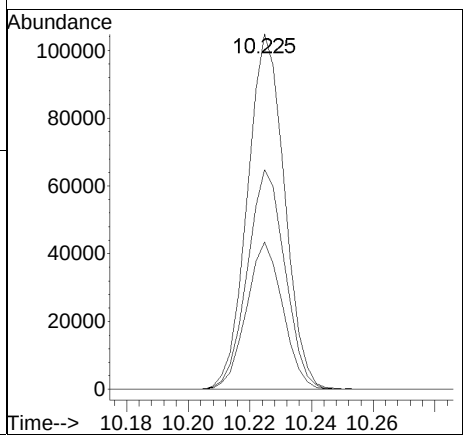


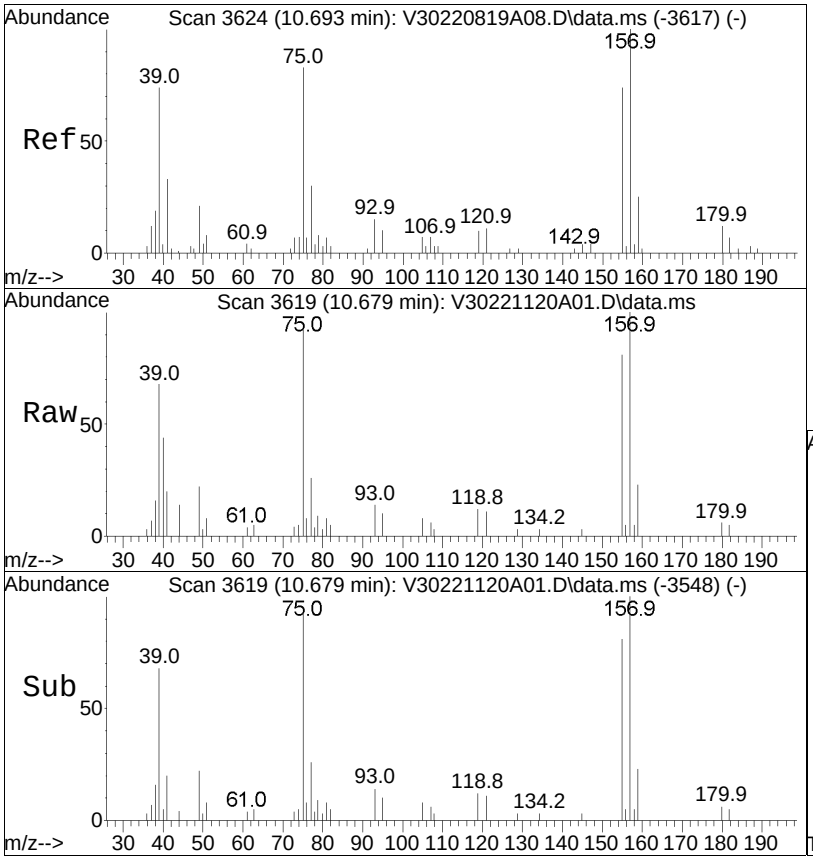


#104
1,2-Dichlorobenzene
Concen: 11.16 ug/L
RT: 10.225 min Scan# 3456
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:146 Resp: 87785

Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.3	58.7
148	62.5	42.3	87.8

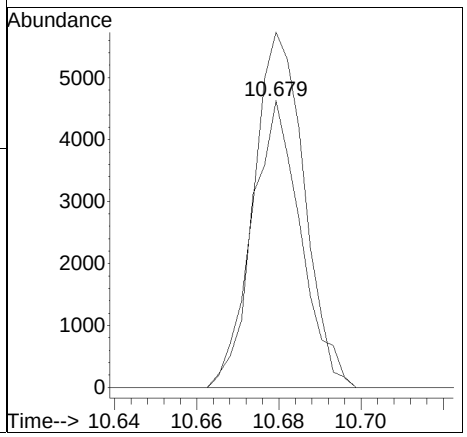


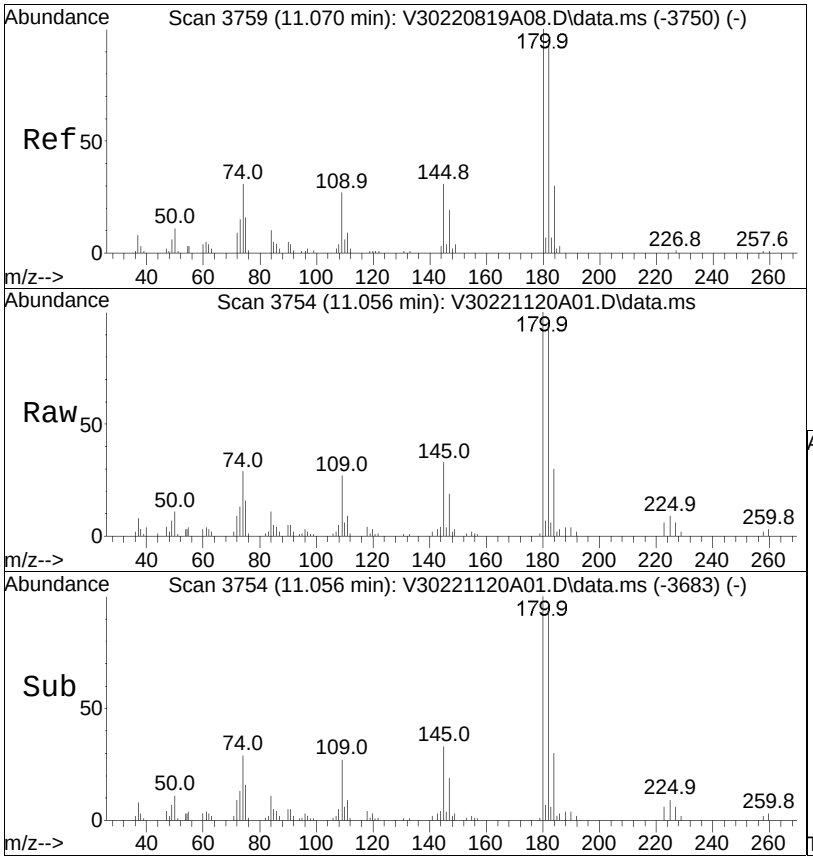


#106
1,2-Dibromo-3-chloropropane
Concen: 8.56 ug/L
RT: 10.679 min Scan# 3619
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:155 Resp: 3797

Ion	Ratio	Lower	Upper
155	100		
157	129.0	94.8	142.2

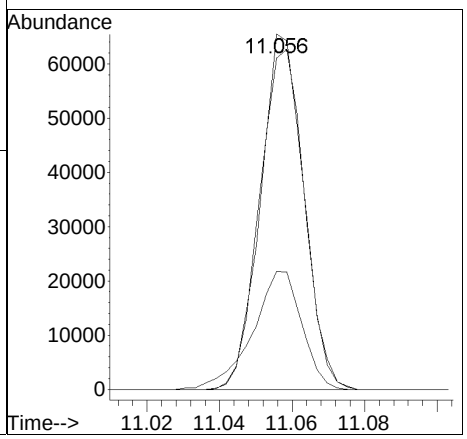


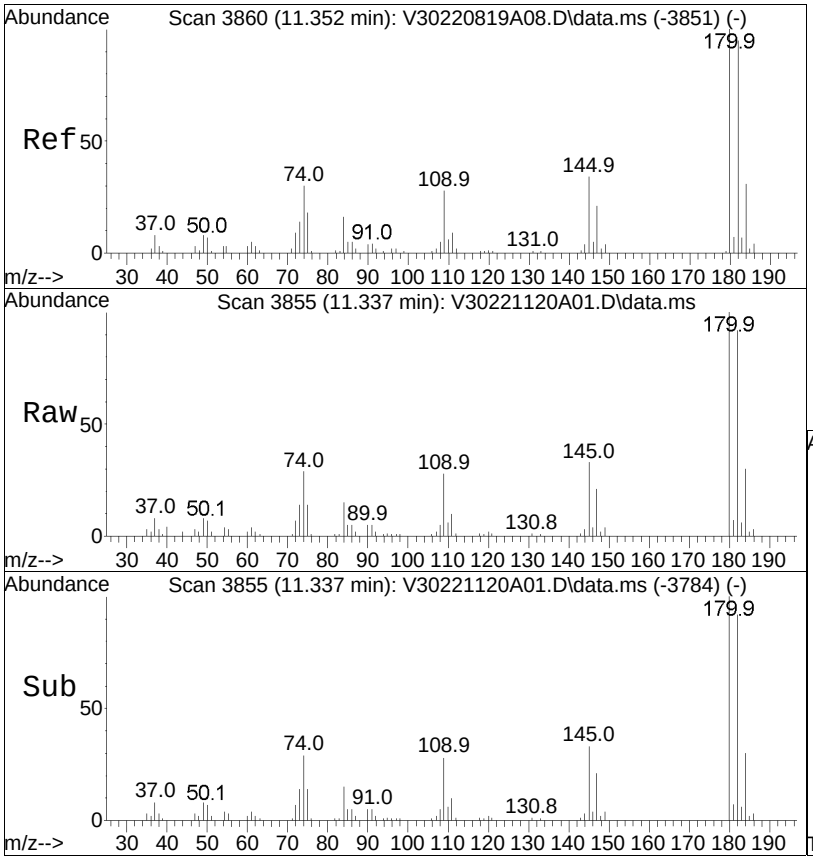


#109
1,2,4-Trichlorobenzene
Concen: 9.78 ug/L
RT: 11.056 min Scan# 3754
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:180 Resp: 54750

Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.3	115.9
145	37.4	28.1	42.1

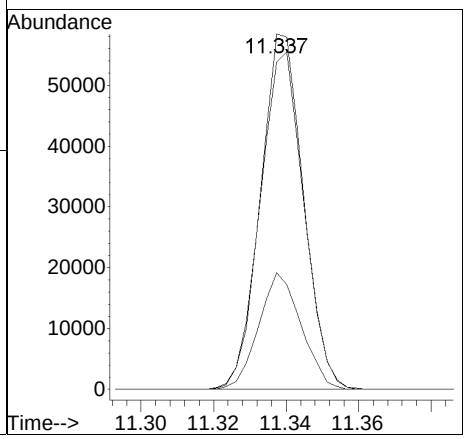




#111
1,2,3-Trichlorobenzene
Concen: 9.45 ug/L
RT: 11.337 min Scan# 3855
Delta R.T. -0.003 min
Lab File: V30221120A01.D
Acq: 20 Nov 2022 08:16 am

Tgt Ion:180 Resp: 48356

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	32.2	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N02.d
Acq On : 19 Nov 2022 7:22 pm
Operator : VOA108:PID
Sample : WG1714899-4,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 19:45:20 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.620	96	200117	10.000	ug/L	0.00
Standard Area 1 = 198344			Recovery = 100.89%			
59) Chlorobenzene-d5	8.572	117	159240	10.000	ug/L	0.00
Standard Area 1 = 157340			Recovery = 101.21%			
79) 1,4-Dichlorobenzene-d4	10.051	152	86682	10.000	ug/L	0.00
Standard Area 1 = 87789			Recovery = 98.74%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.650	113	59486	10.129	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.29%			
43) 1,2-Dichloroethane-d4	5.274	65	63560	10.288	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.88%			
60) Toluene-d8	7.303	98	194233	10.089	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.89%			
83) 4-Bromofluorobenzene	9.379	95	61682	9.376	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.012	85	29648	7.903	ug/L	99
3) Chloromethane	1.148	50	37043	8.827	ug/L	99
4) Vinyl chloride	1.190	62	46252	10.232	ug/L	94
5) Bromomethane	1.405	94	40568	9.233	ug/L	100
6) Chloroethane	1.489	64	96450	20.860	ug/L	96
7) Trichlorofluoromethane	1.588	101	104058	10.311	ug/L	98
10) 1,1-Dichloroethene	1.971	96	62711	10.516	ug/L #	57
11) Carbon disulfide	1.976	76	109480	10.579	ug/L	99
12) Freon-113	2.013	101	67374	10.997	ug/L	96
15) Methylene chloride	2.469	84	44170	8.711	ug/L #	65
17) Acetone	2.527	43	12425	8.931	ug/L	100
18) trans-1,2-Dichloroethene	2.626	96	43177	8.929	ug/L	68
19) Methyl acetate	2.668	43	27808	7.988	ug/L #	85
20) Methyl tert-butyl ether	2.768	73	103495	7.992	ug/L	92
23) 1,1-Dichloroethane	3.287	63	74353	9.524	ug/L	96
28) cis-1,2-Dichloroethene	4.000	96	51462	9.210	ug/L #	61
30) Bromochloromethane	4.273	128	28851	9.343	ug/L #	45
31) Cyclohexane	4.257	56	60988	9.086	ug/L #	51
32) Chloroform	4.420	83	80652	9.048	ug/L	96
34) Carbon tetrachloride	4.551	117	61975	8.777	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N02.d
Acq On : 19 Nov 2022 7:22 pm
Operator : VOA108:PID
Sample : WG1714899-4,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 19:45:20 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.635	97	69295	8.870	ug/L	#	95
39) 2-Butanone	4.839	43	20045	8.661	ug/L	#	35
41) Benzene	5.112	78	174500	9.361	ug/L	#	89
44) 1,2-Dichloroethane	5.358	62	62932	9.040	ug/L		96
47) Methyl cyclohexane	5.788	83	65387	8.402	ug/L	#	63
48) Trichloroethene	5.814	95	47913	8.840	ug/L		90
51) 1,2-Dichloropropane	6.365	63	43367	9.207	ug/L		99
54) Bromodichloromethane	6.464	83	61755	8.773	ug/L	#	98
57) 1,4-Dioxane	6.685	88	29186	532.330	ug/L	#	66
58) cis-1,3-Dichloropropene	7.120	75	71614	8.636	ug/L		91
61) Toluene	7.350	92	110700	9.052	ug/L		100
62) 4-Methyl-2-pentanone	7.738	58	14923	8.410	ug/L	#	90
63) Tetrachloroethene	7.702	166	50073	8.579	ug/L		89
65) trans-1,3-Dichloropropene	7.754	75	65340	8.590	ug/L		98
68) 1,1,2-Trichloroethane	7.880	83	36050	9.325	ug/L		93
69) Chlorodibromomethane	8.016	129	51051	8.497	ug/L		96
71) 1,2-Dibromoethane	8.174	107	46659	8.950	ug/L		99
72) 2-Hexanone	8.404	43	27844	7.991	ug/L		98
73) Chlorobenzene	8.582	112	135433	8.987	ug/L	#	84
74) Ethylbenzene	8.624	91	208486	8.886	ug/L		97
76) p/m Xylene	8.729	106	169021	17.355	ug/L		89
77) o Xylene	9.007	106	159919	17.227	ug/L		82
78) Styrene	9.044	104	263533	16.874	ug/L	#	81
80) Bromoform	9.049	173	31660	7.629	ug/L		96
82) Isopropylbenzene	9.217	105	212882	9.025	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.521	83	60622	9.932	ug/L		97
100) 1,3-Dichlorobenzene	10.003	146	115284	8.792	ug/L		97
101) 1,4-Dichlorobenzene	10.056	146	116163	8.749	ug/L		95
104) 1,2-Dichlorobenzene	10.297	146	112571	8.730	ug/L		94
106) 1,2-Dibromo-3-chloropr...	10.748	155	10854	8.522	ug/L		95
109) 1,2,4-Trichlorobenzene	11.125	180	77725	8.543	ug/L		99
111) 1,2,3-Trichlorobenzene	11.409	180	78550	8.594	ug/L		98

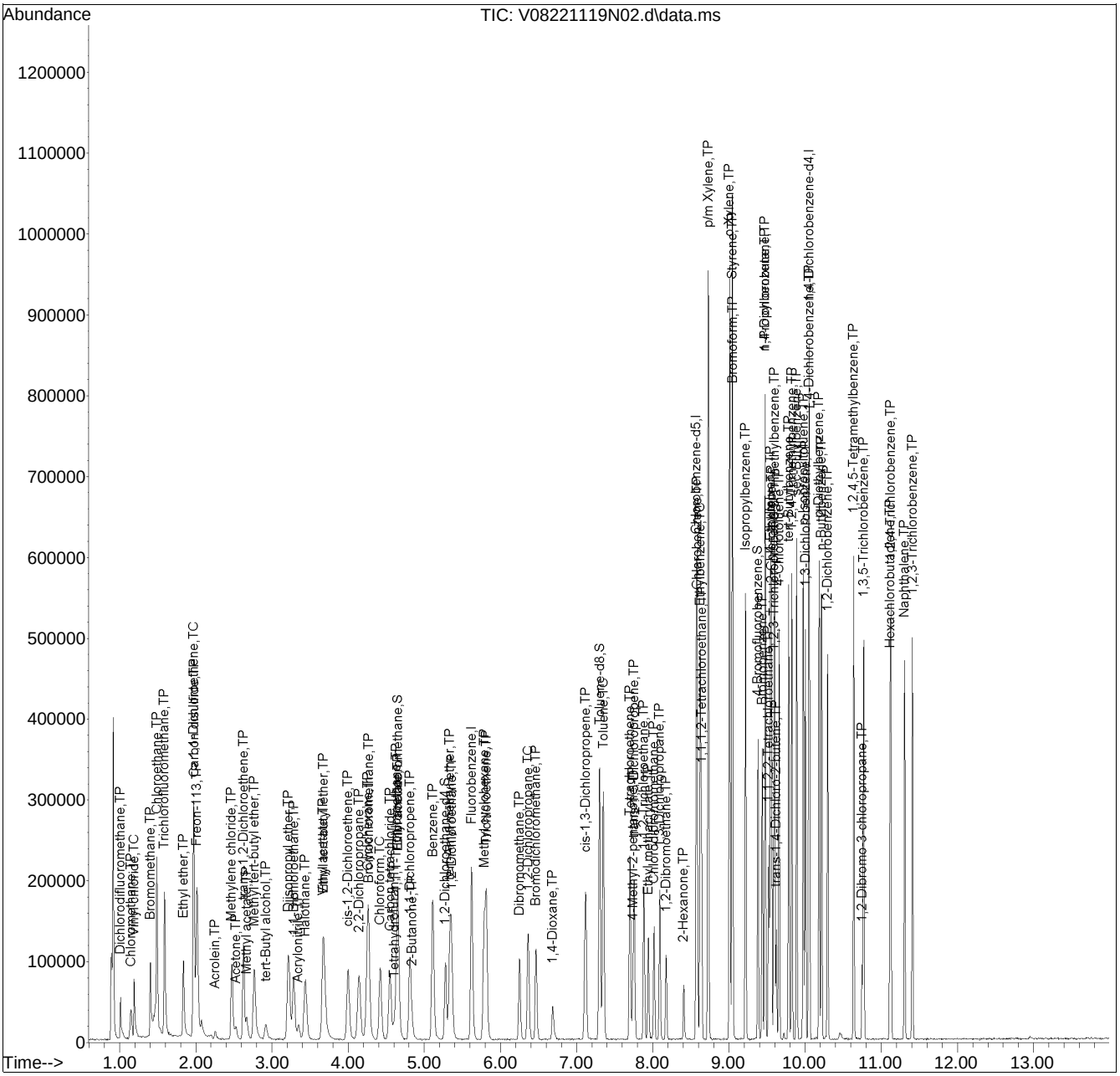
(#) = qualifier out of range (m) = manual integration (+) = signals summed

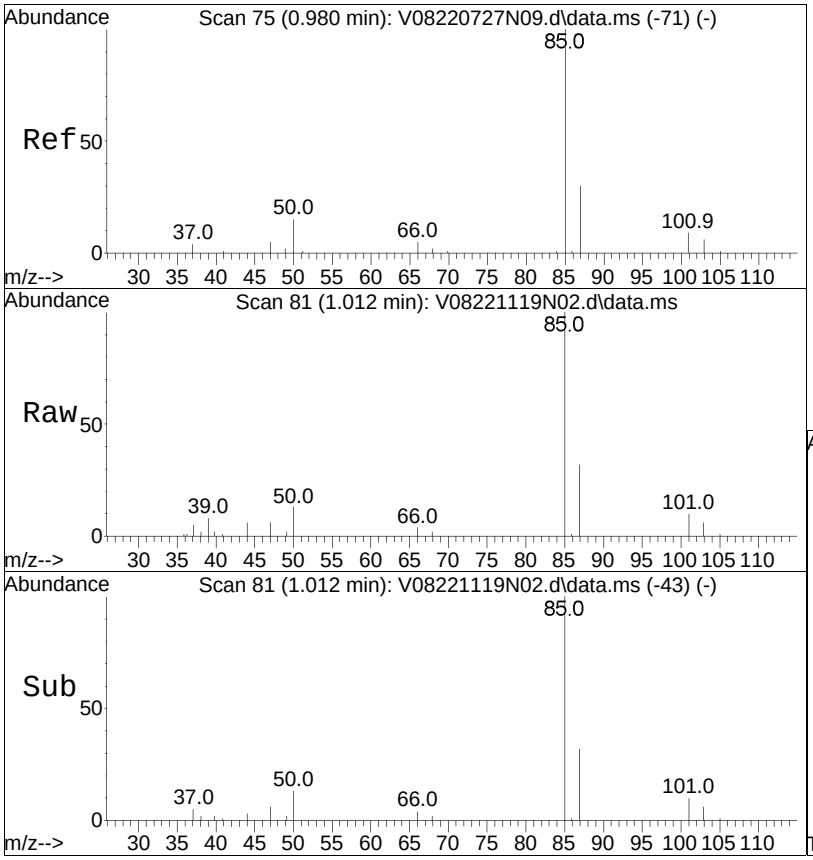
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N02.d
Acq On : 19 Nov 2022 7:22 pm
Operator : VOA108:PID
Sample : WG1714899-4,31,10,10
Misc : WG1714899,ICAL19477
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 19:45:20 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

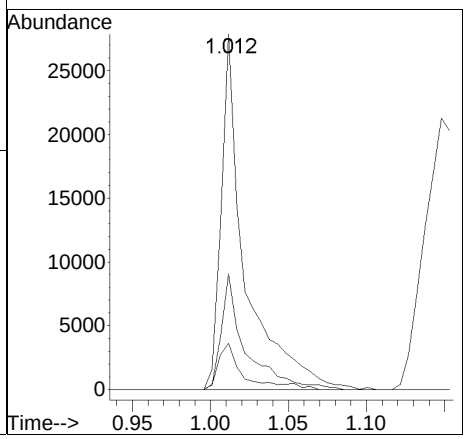


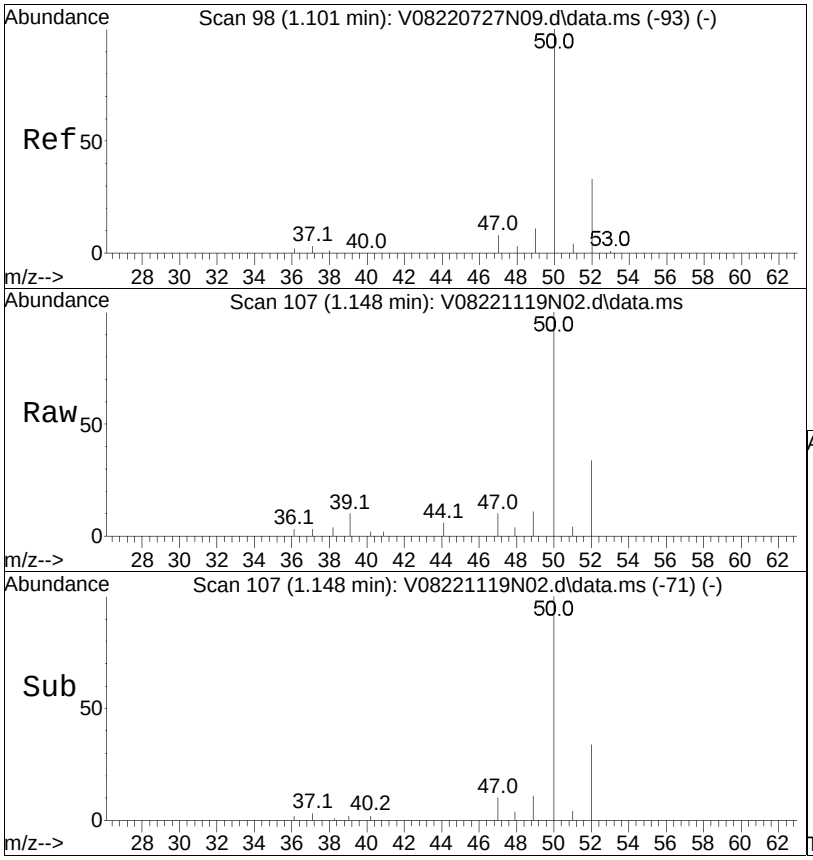


#2
Dichlorodifluoromethane
Concen: 7.90 ug/L
RT: 1.012 min Scan# 81
Delta R.T. 0.000 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 85 Resp: 29648

Ion	Ratio	Lower	Upper
85	100		
87	32.8	21.0	43.6
50	13.4	8.9	18.5

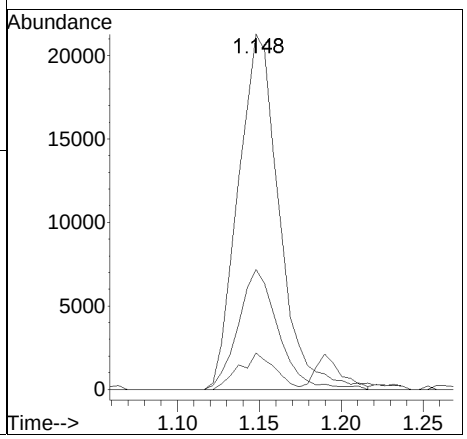


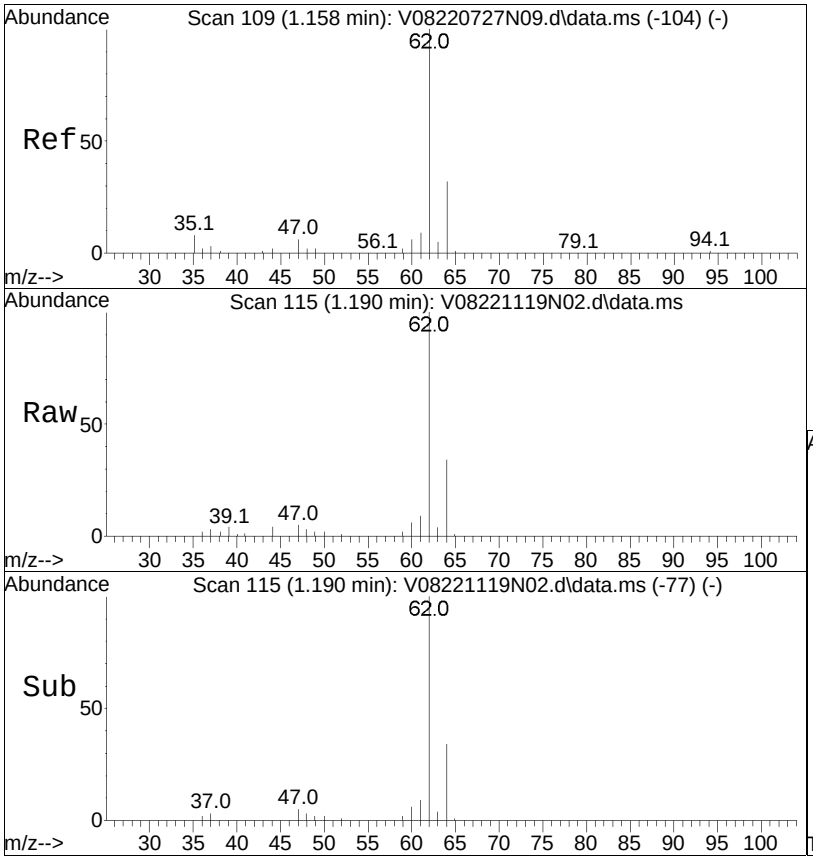


#3
Chloromethane
Concen: 8.83 ug/L
RT: 1.148 min Scan# 107
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 50 Resp: 37043

Ion	Ratio	Lower	Upper
50	100		
52	33.0	12.9	52.9
47	9.0	0.0	28.3

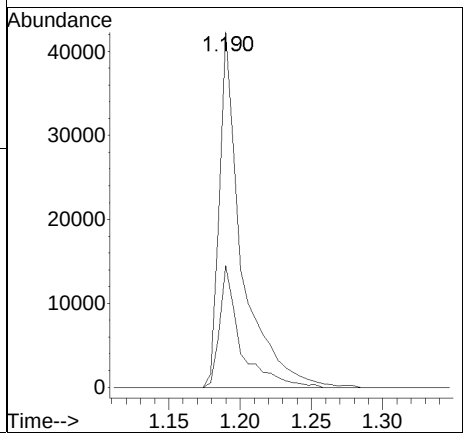


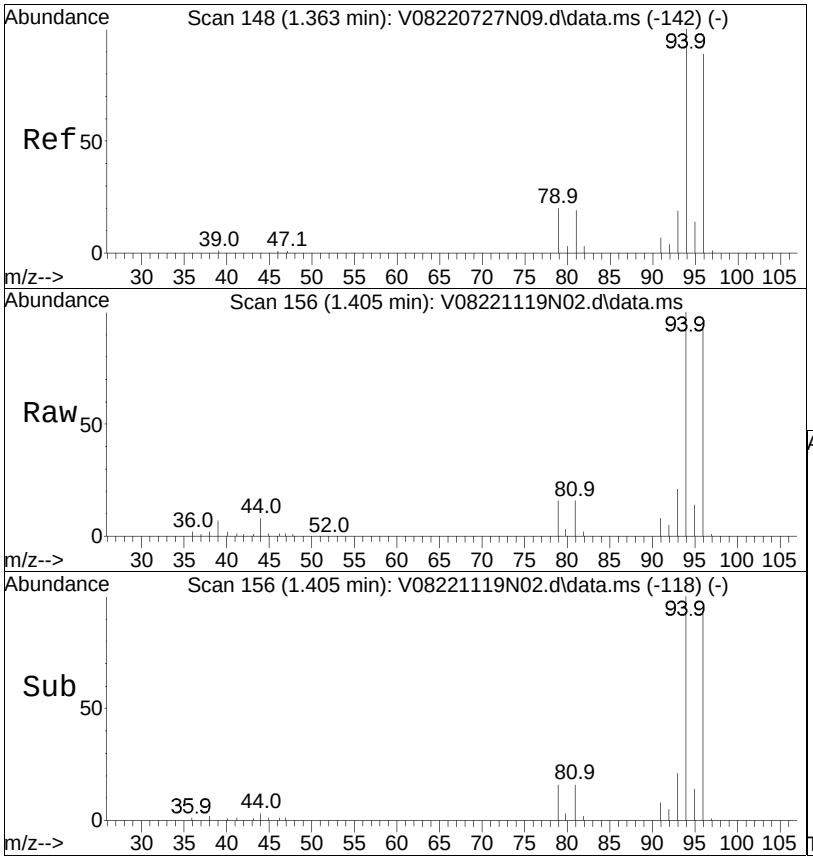


#4
Vinyl chloride
Concen: 10.23 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 62 Resp: 46252

Ion	Ratio	Lower	Upper
62	100		
64	32.2	9.1	49.1

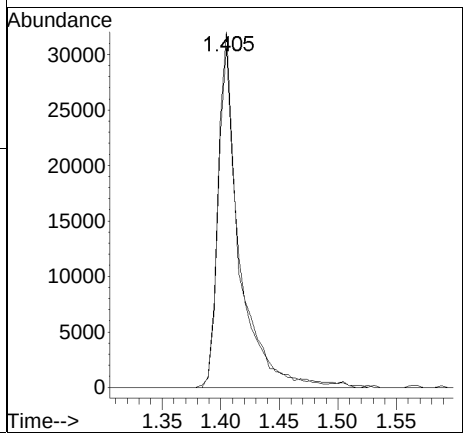


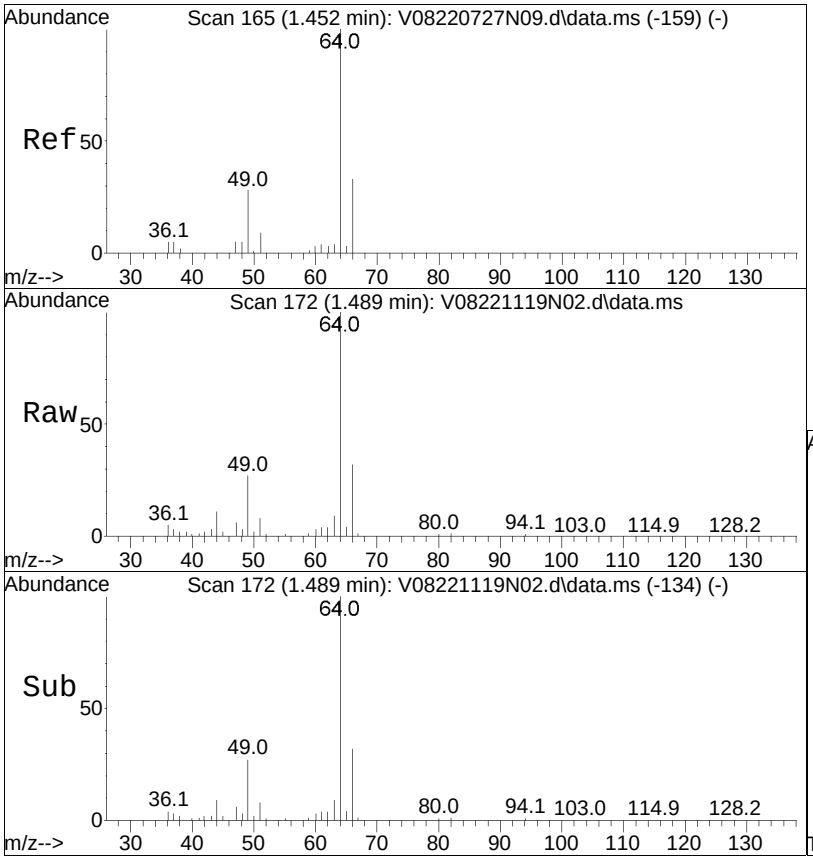


#5
Bromomethane
Concen: 9.23 ug/L
RT: 1.405 min Scan# 156
Delta R.T. 0.000 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 94 Resp: 40568

Ion	Ratio	Lower	Upper
94	100		
96	95.1	75.6	115.6

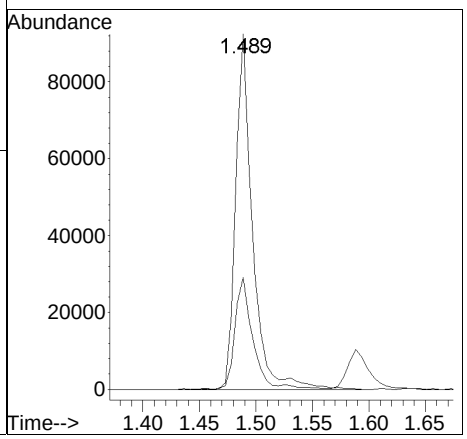


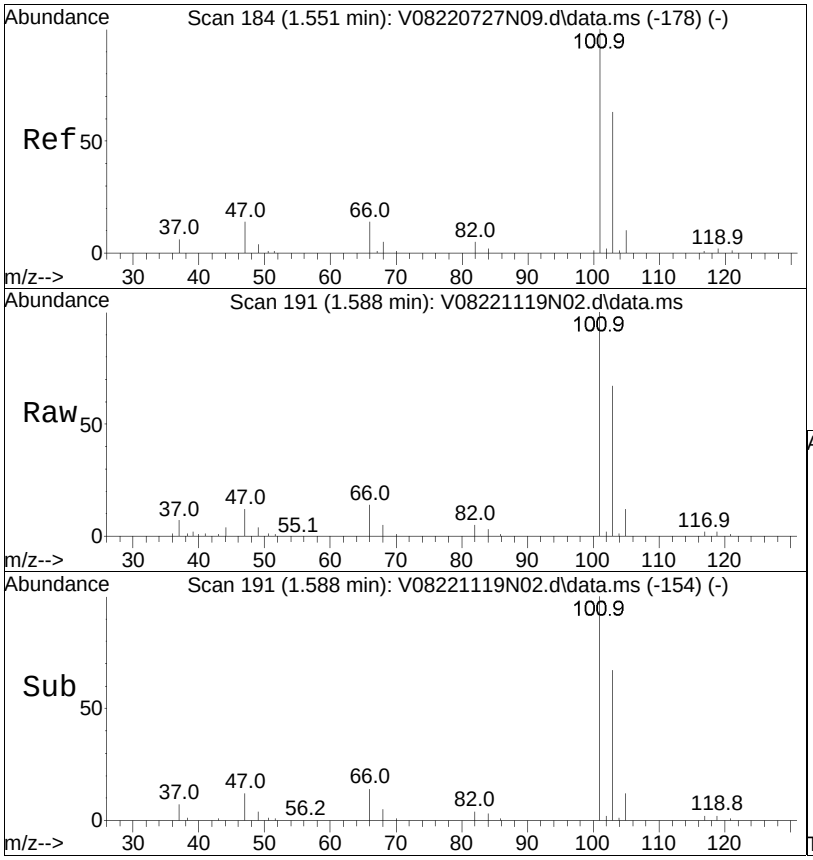


#6
Chloroethane
Concen: 20.86 ug/L
RT: 1.489 min Scan# 172
Delta R.T. 0.000 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 64 Resp: 96450

Ion	Ratio	Lower	Upper
64	100		
66	31.8	9.8	49.8

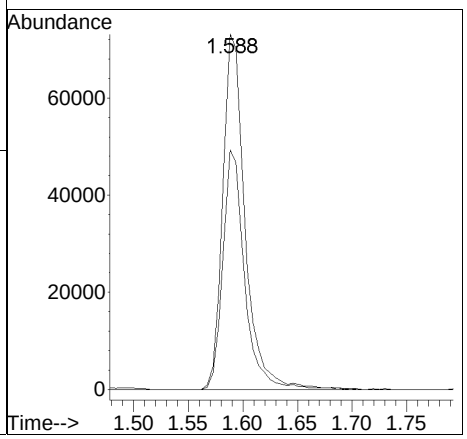


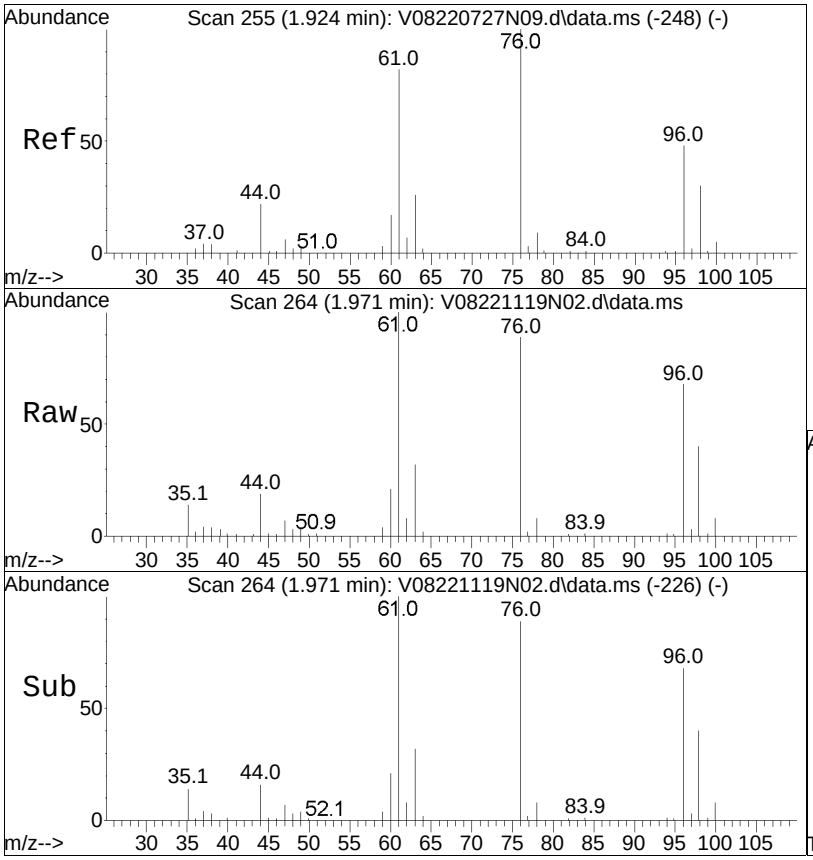


#7
Trichlorofluoromethane
Concen: 10.31 ug/L
RT: 1.588 min Scan# 191
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:101 Resp: 104058

Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.8	80.6

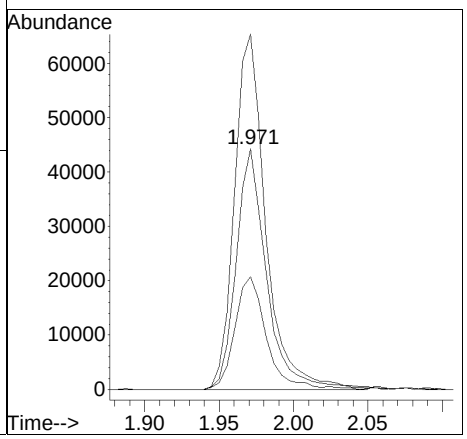


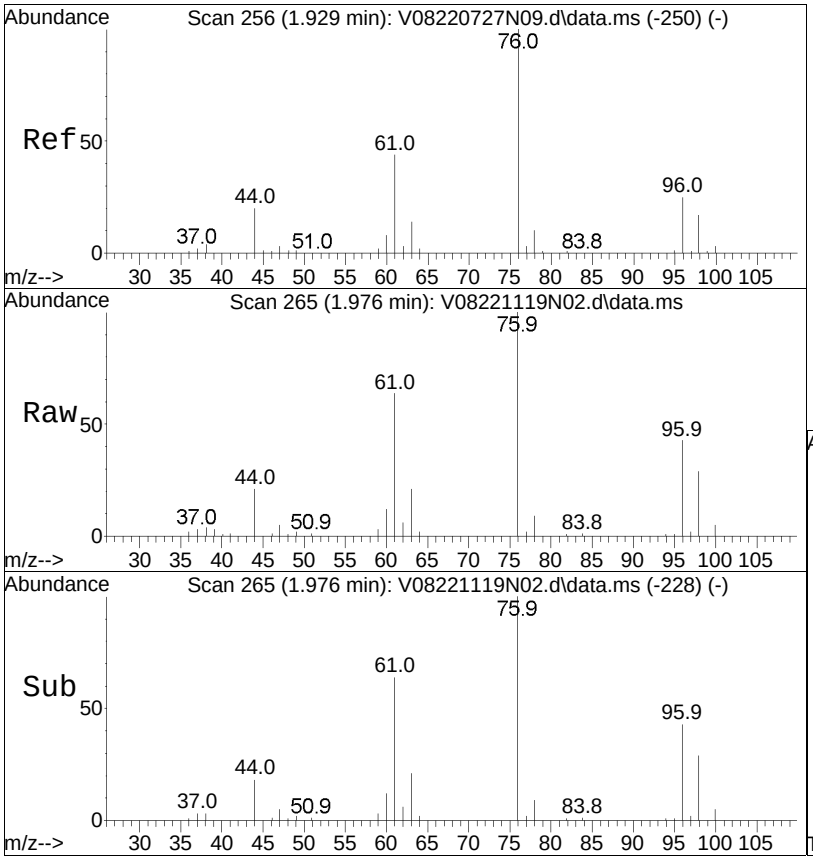


#10
1,1-Dichloroethene
Concen: 10.52 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 96 Resp: 62711

Ion	Ratio	Lower	Upper
96	100		
61	152.9	186.1	279.1#
63	48.7	57.6	86.4#

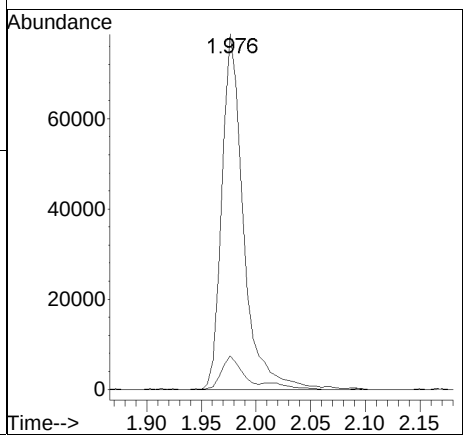


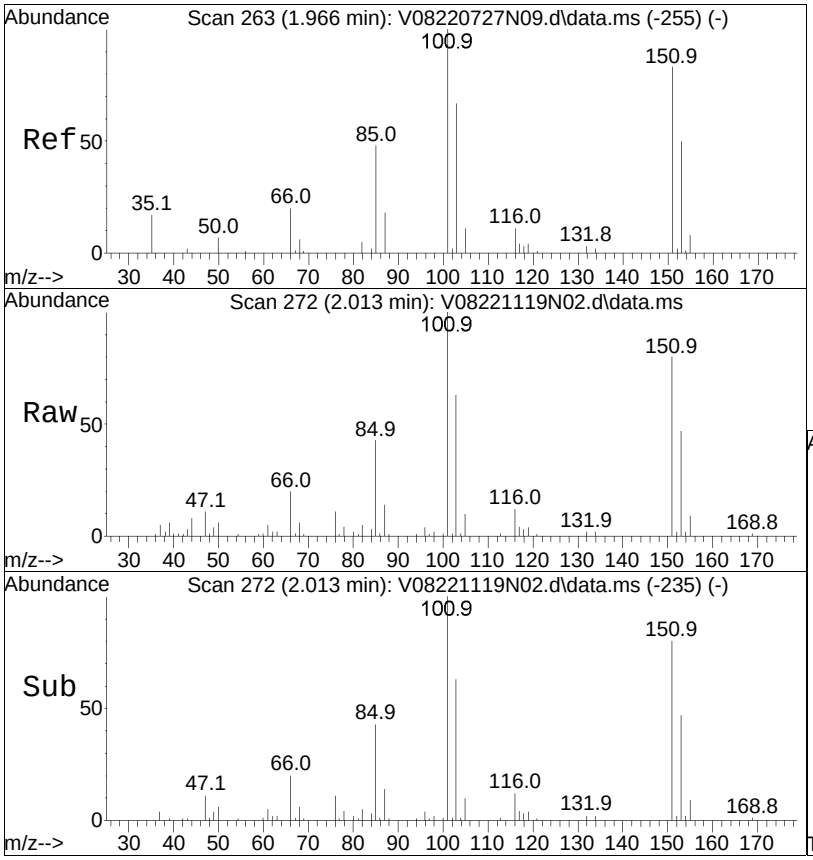


#11
Carbon disulfide
Concen: 10.58 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 76 Resp: 109480

Ion	Ratio	Lower	Upper
76	100		
78	9.0	5.7	11.7

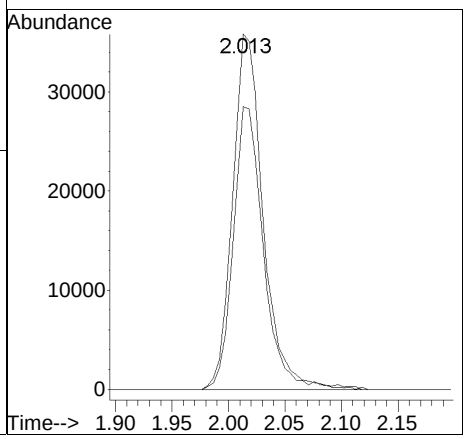


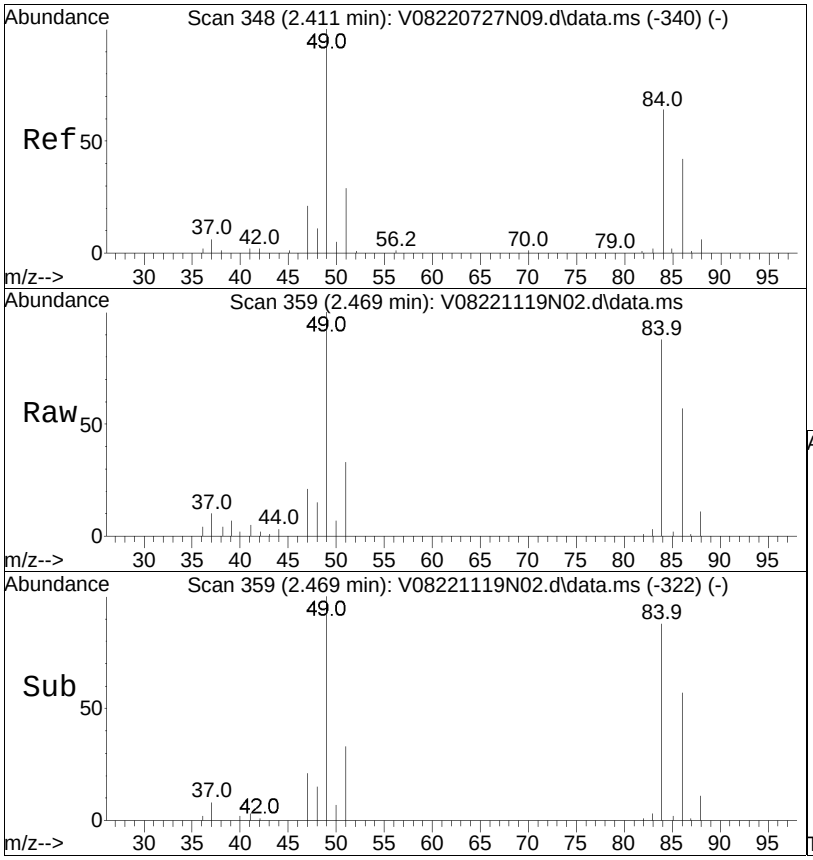


#12
Freon-113
Concen: 11.00 ug/L
RT: 2.013 min Scan# 272
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:101 Resp: 67374

Ion	Ratio	Lower	Upper
101	100		
151	78.4	59.8	89.8

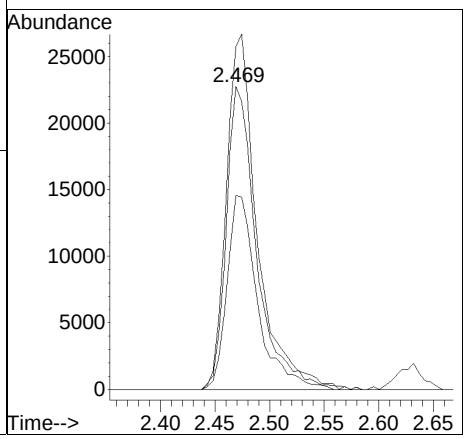


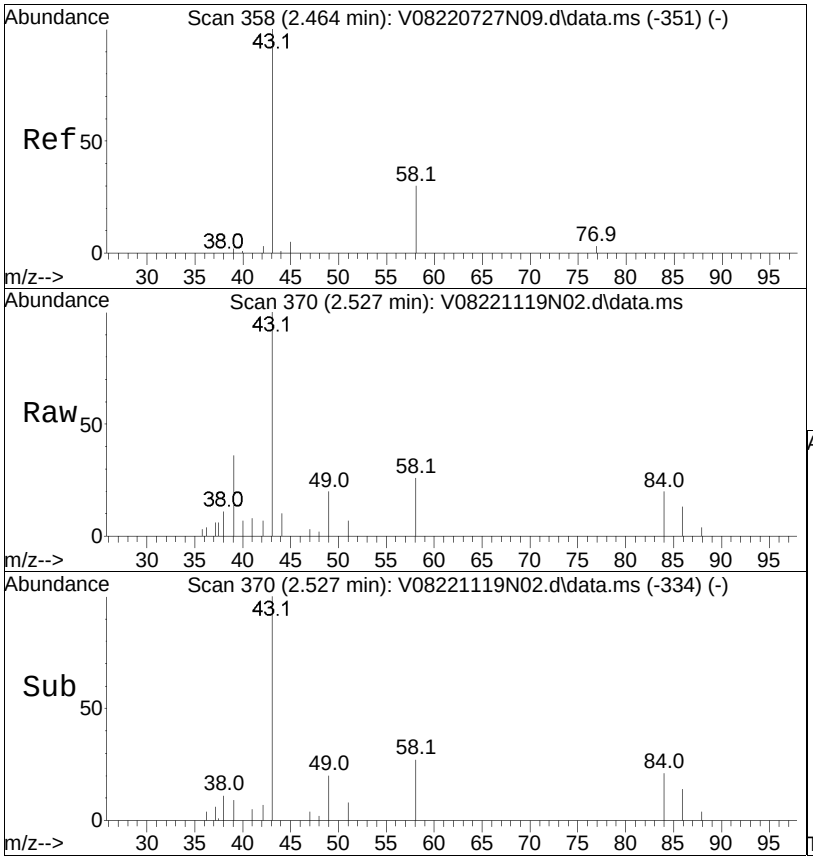


#15
Methylene chloride
Concen: 8.71 ug/L
RT: 2.469 min Scan# 359
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 84 Resp: 44170

Ion	Ratio	Lower	Upper
84	100		
86	64.5	40.4	83.8
49	119.0	120.0	249.2#

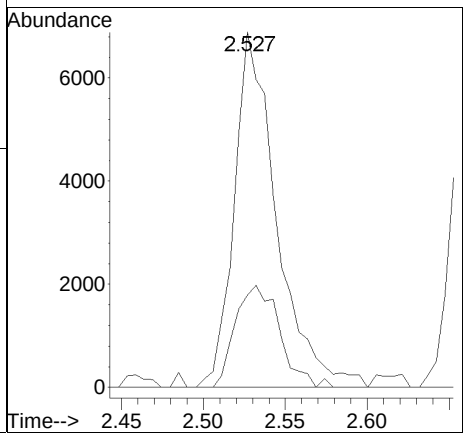


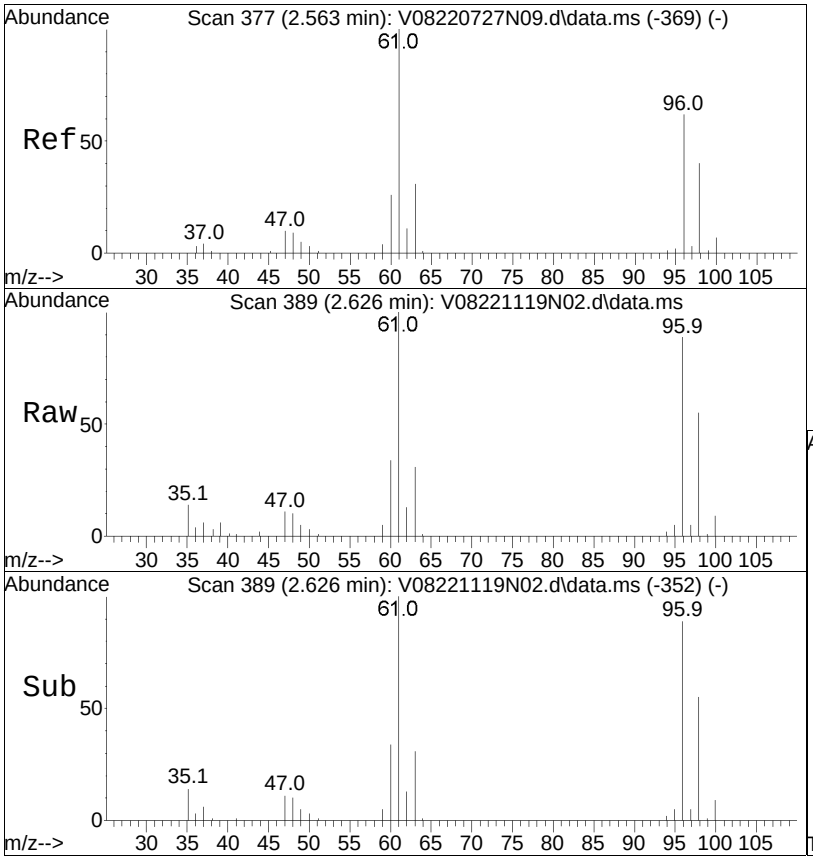


#17
Acetone
Concen: 8.93 ug/L
RT: 2.527 min Scan# 370
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 43 Resp: 12425

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.2	36.4

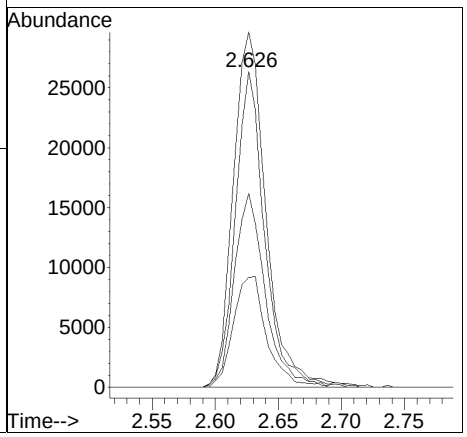


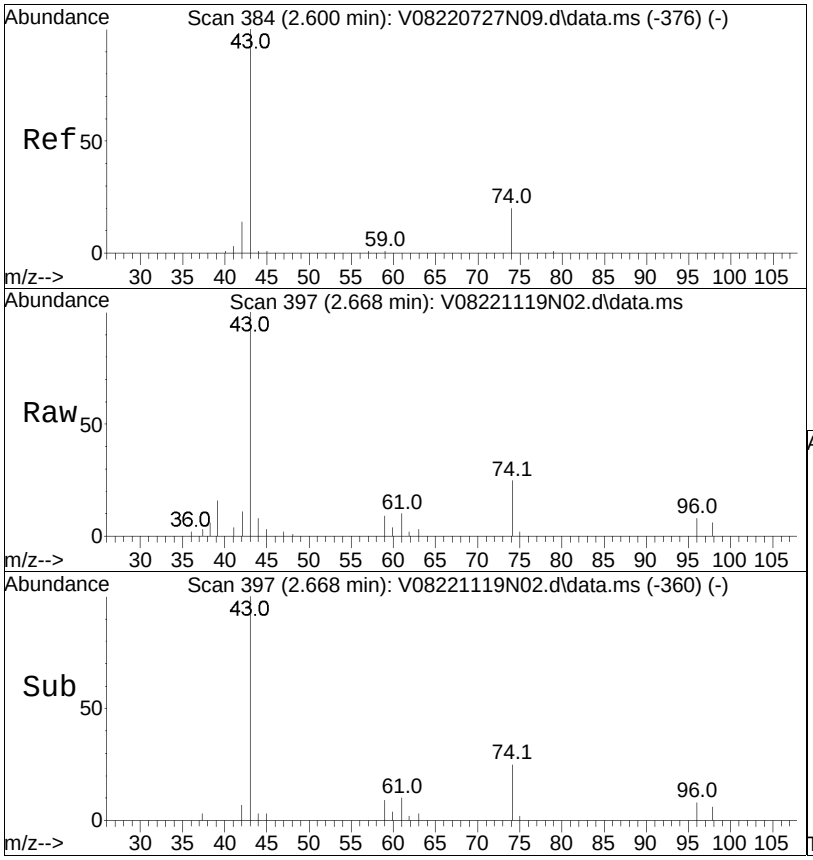


#18
trans-1,2-Dichloroethene
Concen: 8.93 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 96 Resp: 43177

Ion	Ratio	Lower	Upper
96	100		
61	124.9	124.0	257.6
98	64.8	41.2	85.6
63	39.8	38.4	79.7

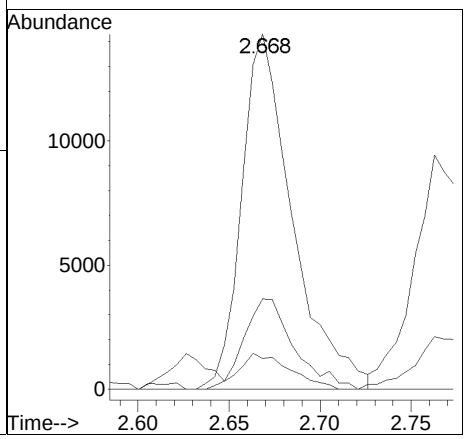


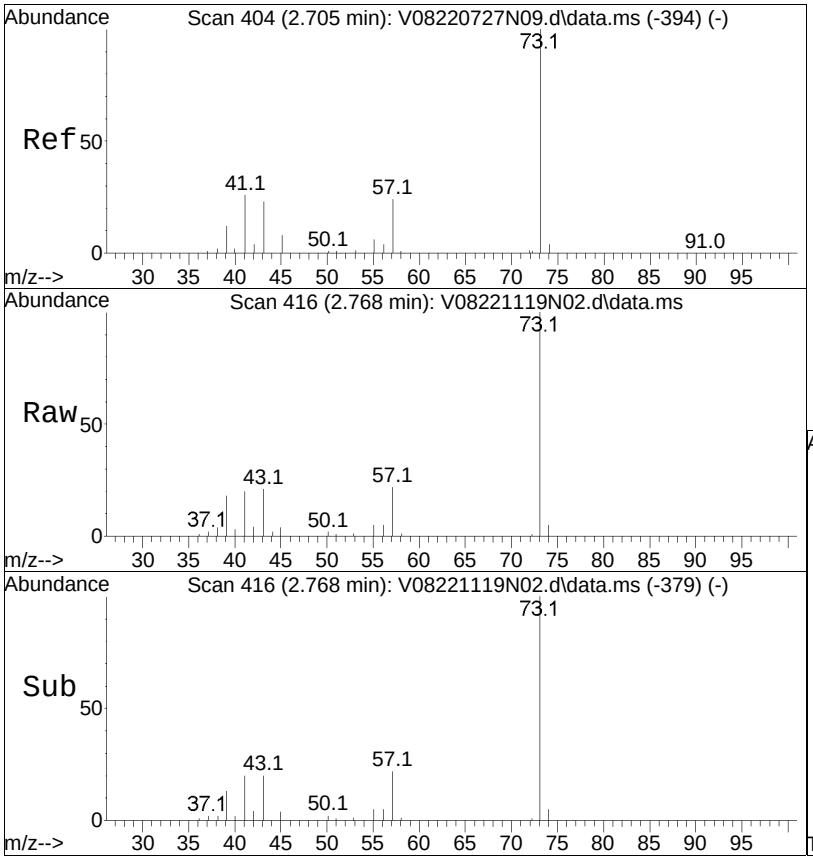


#19
Methyl acetate
Concen: 7.99 ug/L
RT: 2.668 min Scan# 397
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 43 Resp: 27808

Ion	Ratio	Lower	Upper
43	100		
74	25.2	14.2	21.4#
59	9.9	5.0	7.6#

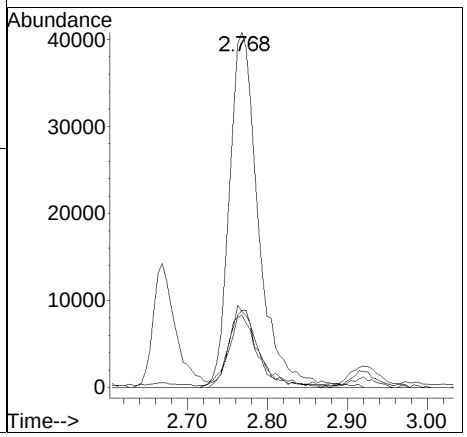


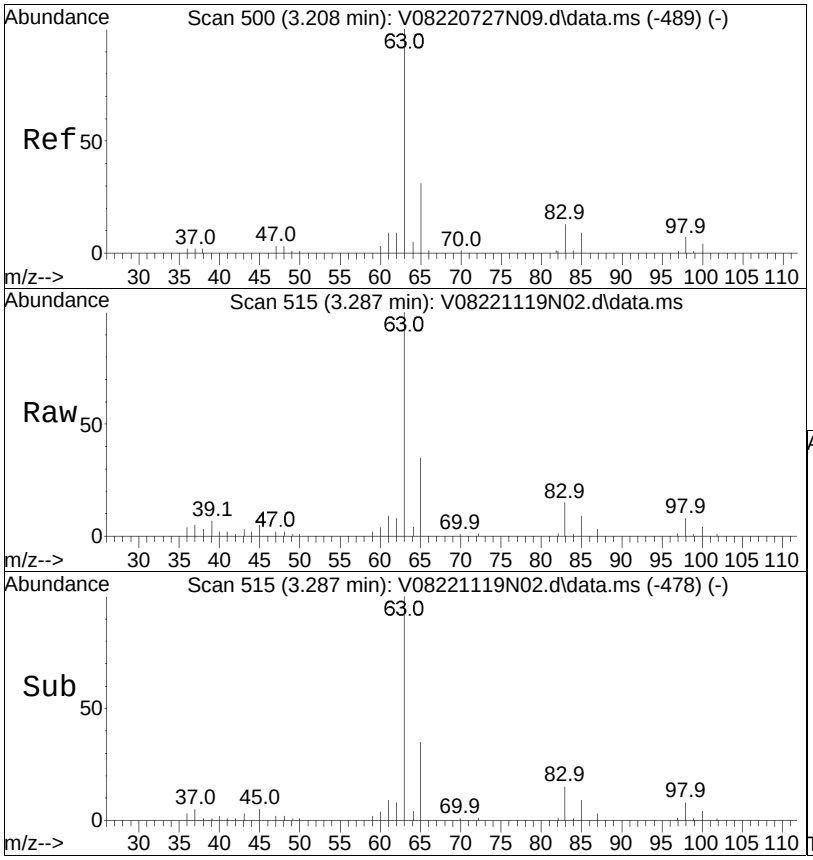


#20
Methyl tert-butyl ether
Concen: 7.99 ug/L
RT: 2.768 min Scan# 416
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 73 Resp: 103495

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.5	36.3
43	21.0	15.3	31.9
41	20.5	15.3	31.7

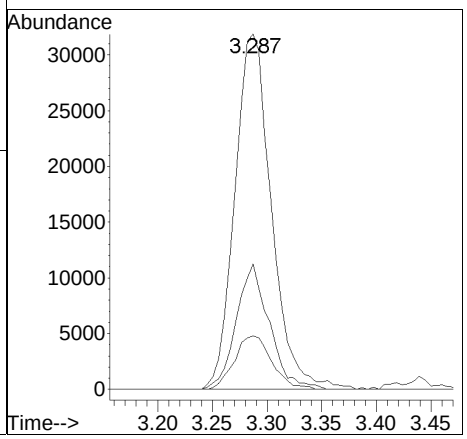


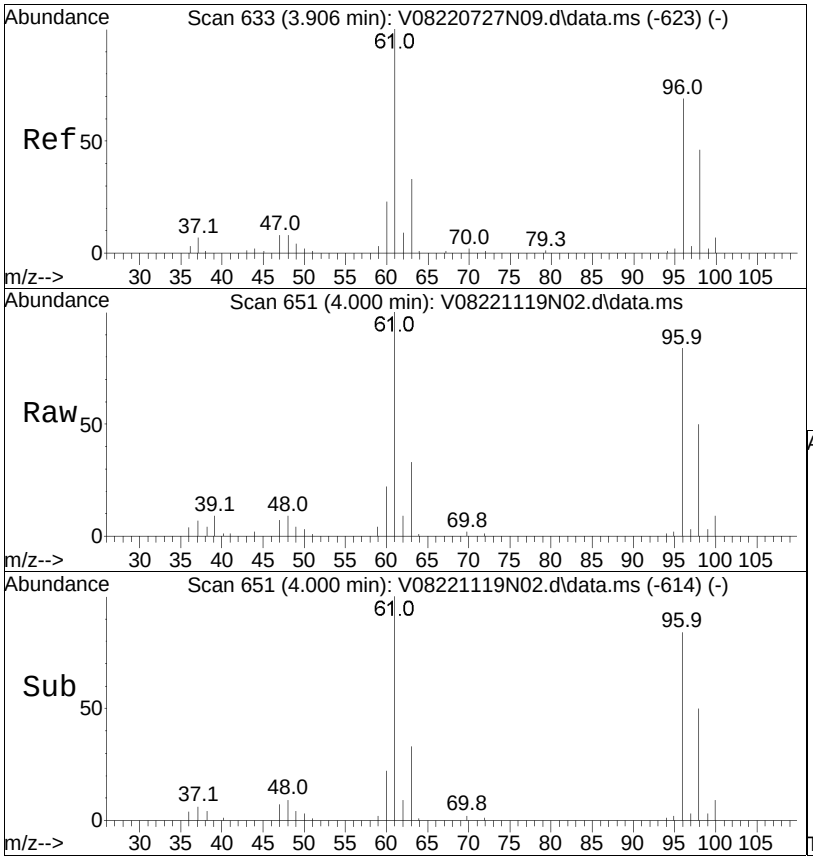


#23
1,1-Dichloroethane
Concen: 9.52 ug/L
RT: 3.287 min Scan# 515
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 63 Resp: 74353

Ion	Ratio	Lower	Upper
63	100		
65	31.9	11.0	51.0
83	15.4	0.0	31.8

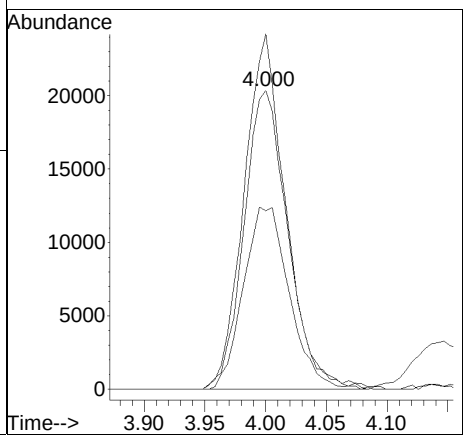


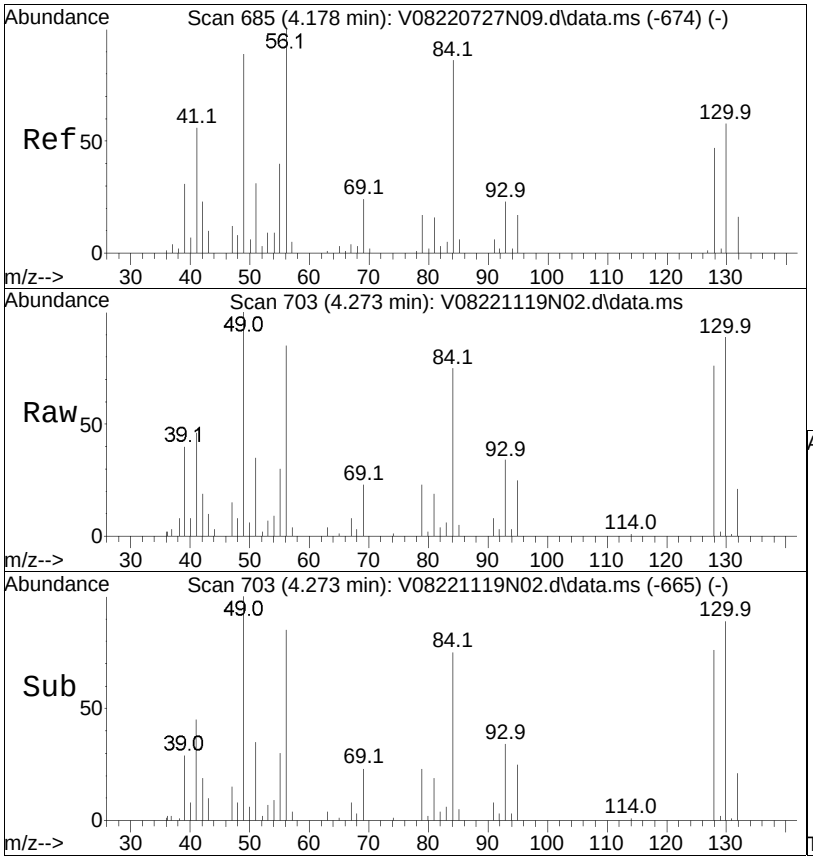


#28
cis-1,2-Dichloroethene
Concen: 9.21 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 96 Resp: 51462

Ion	Ratio	Lower	Upper
96	100		
61	112.3	149.4	224.2#
98	63.7	53.4	80.2

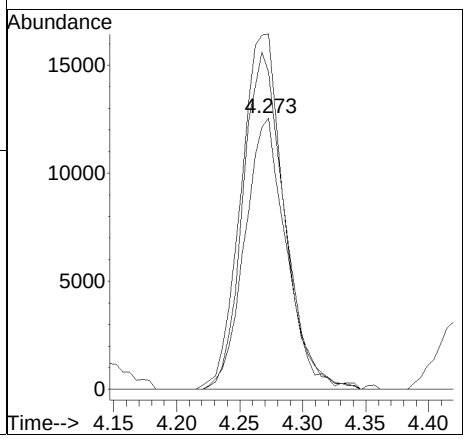


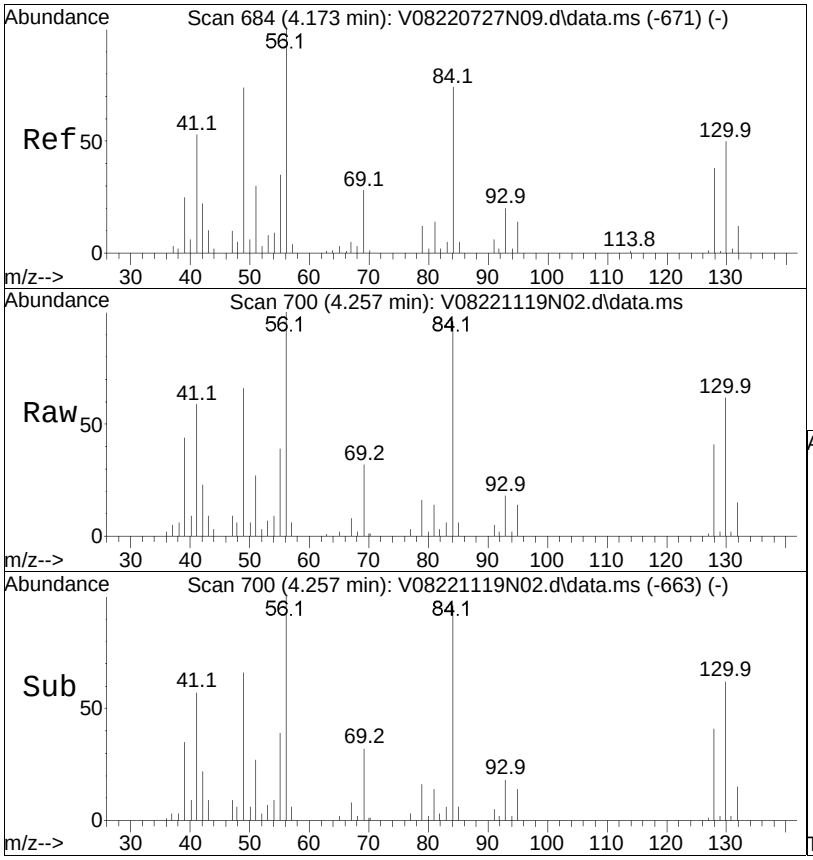


#30
Bromochloromethane
Concen: 9.34 ug/L
RT: 4.273 min Scan# 703
Delta R.T. 0.000 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:128 Resp: 28851

Ion	Ratio	Lower	Upper
128	100		
49	136.5	223.0	334.4#
130	124.5	111.4	167.0

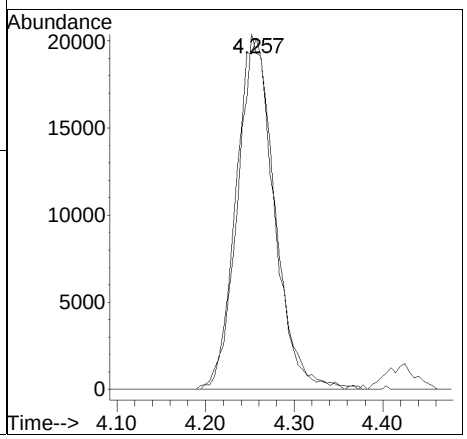


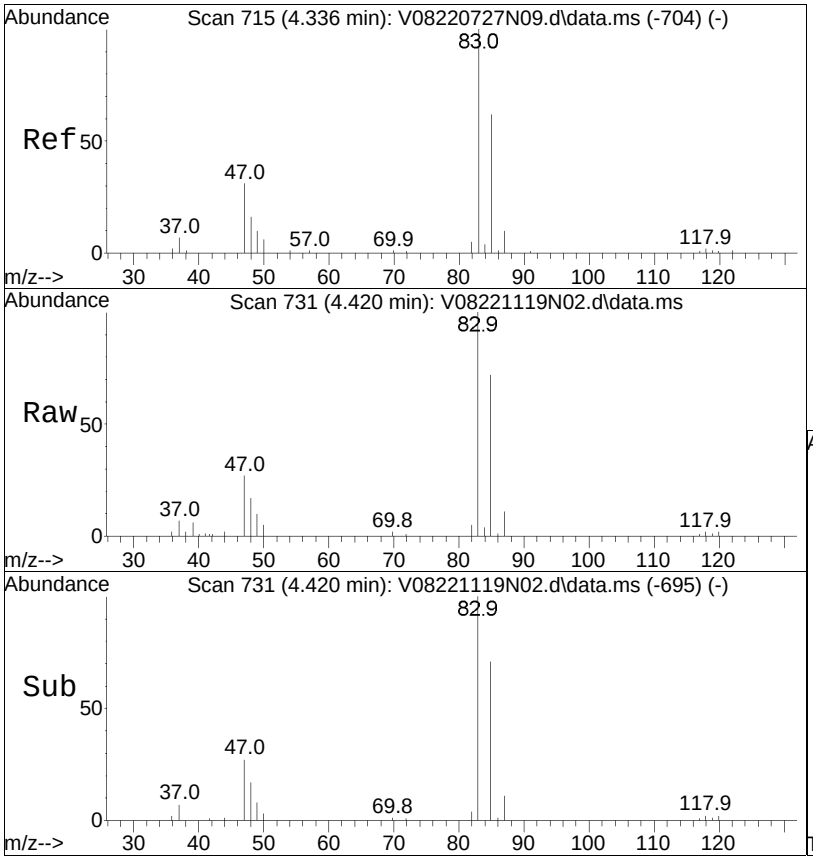


#31
Cyclohexane
Concen: 9.09 ug/L
RT: 4.257 min Scan# 700
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 56 Resp: 60988

Ion	Ratio	Lower	Upper
56	100		
84	96.0	38.4	79.8#

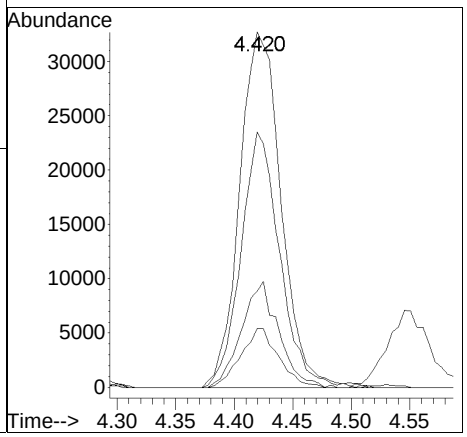


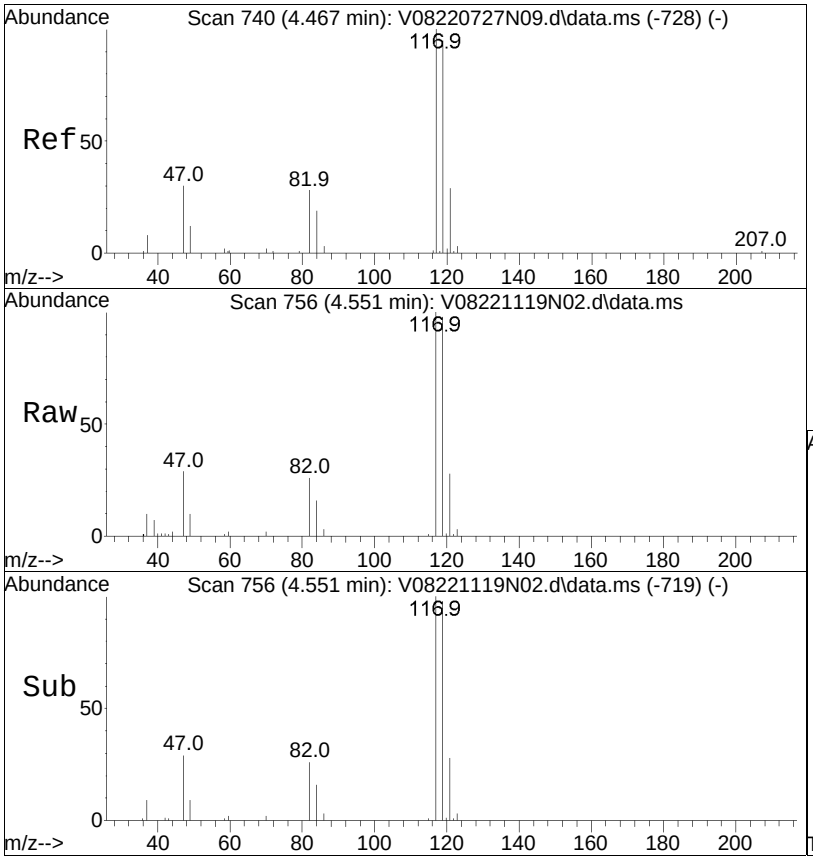


#32
Chloroform
Concen: 9.05 ug/L
RT: 4.420 min Scan# 731
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 83 Resp: 80652

Ion	Ratio	Lower	Upper
83	100		
85	67.1	41.5	86.1
47	26.7	19.0	39.4
48	15.1	9.9	20.5

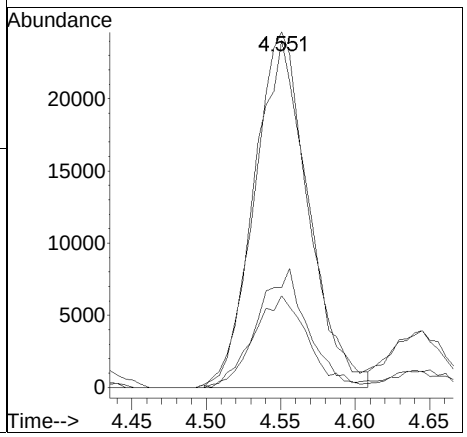


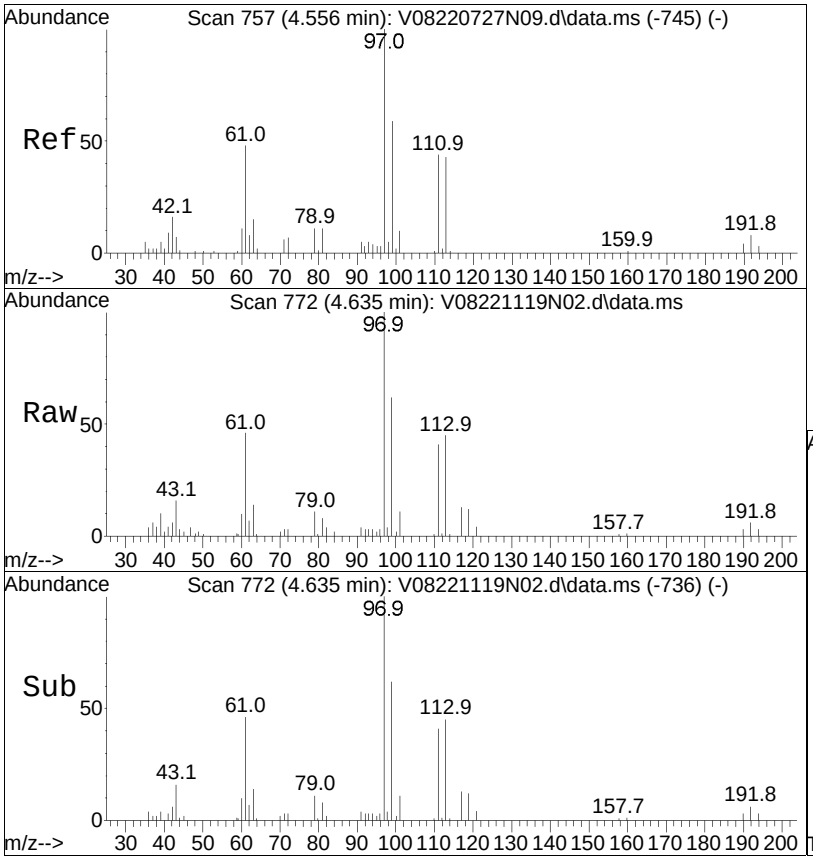


#34
Carbon tetrachloride
Concen: 8.78 ug/L
RT: 4.551 min Scan# 756
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:117 Resp: 61975

Ion	Ratio	Lower	Upper
117	100		
119	97.8	62.4	129.6
121	31.4	19.5	40.5
82	25.5	17.0	35.4

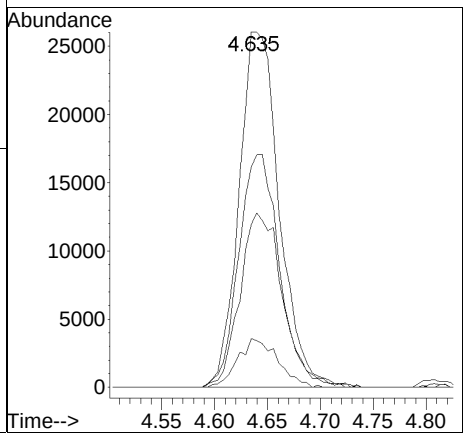


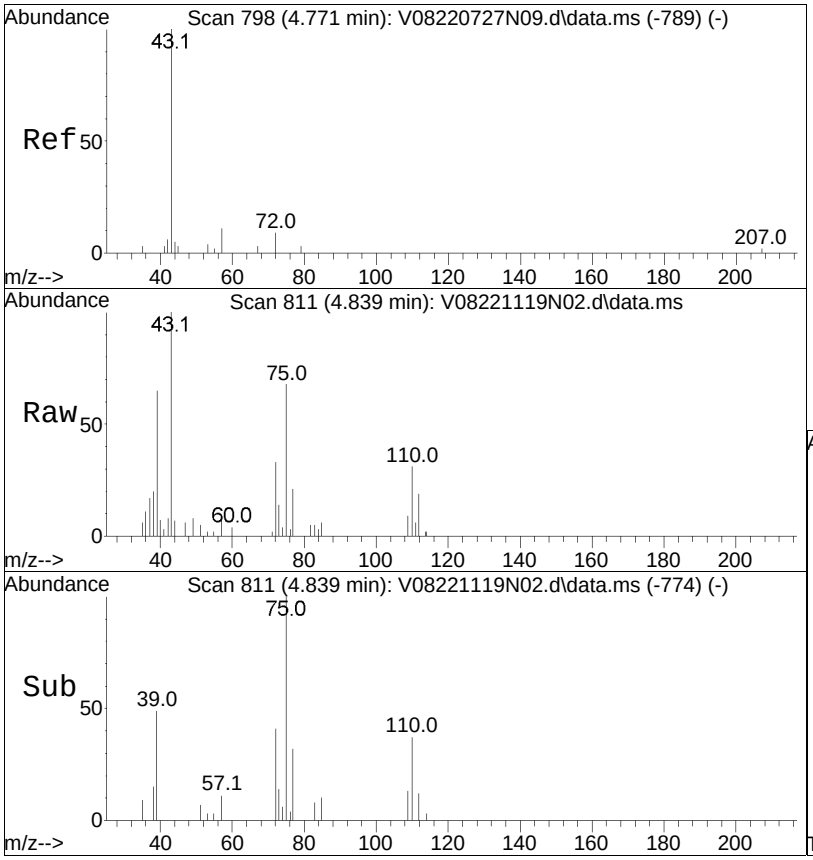


#37
1,1,1-Trichloroethane
Concen: 8.87 ug/L
RT: 4.635 min Scan# 772
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 97 Resp: 69295

Ion	Ratio	Lower	Upper
97	100		
99	66.0	40.7	84.5
61	52.1	35.4	73.4
63	13.7	5.0	10.4#

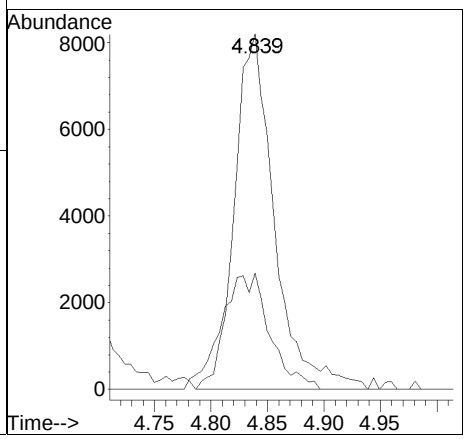


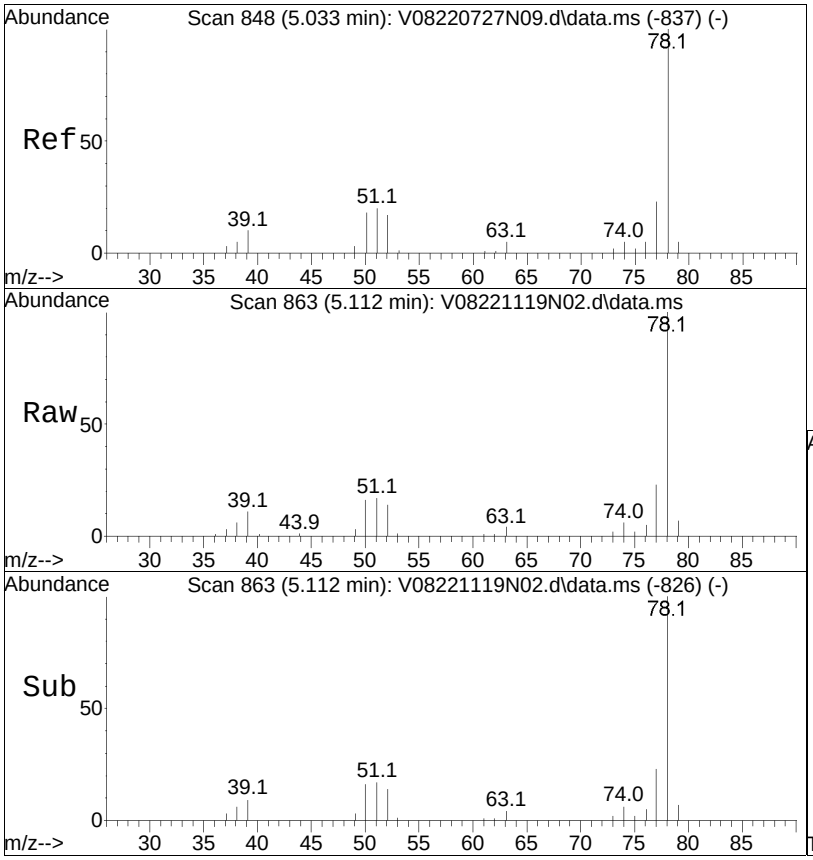


#39
2-Butanone
Concen: 8.66 ug/L
RT: 4.839 min Scan# 811
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 43 Resp: 20045

Ion	Ratio	Lower	Upper
43	100		
72	40.0	10.9	16.3#

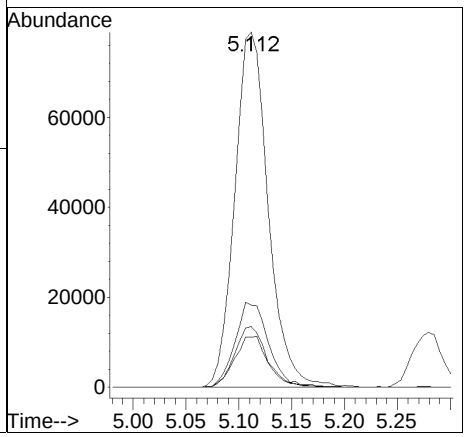


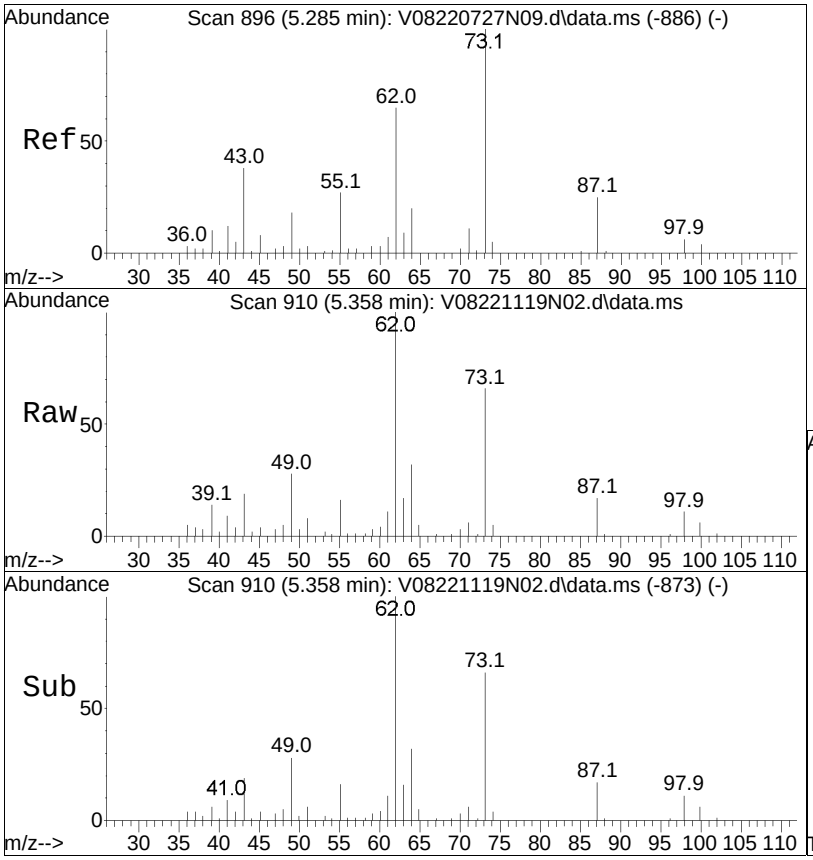


#41
Benzene
Concen: 9.36 ug/L
RT: 5.112 min Scan# 863
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 78 Resp: 174500

Ion	Ratio	Lower	Upper
78	100		
77	24.1	15.7	32.7
51	16.8	16.0	33.2
52	14.5	15.3	31.9#

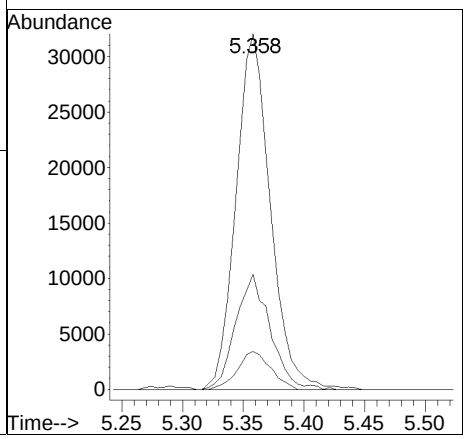


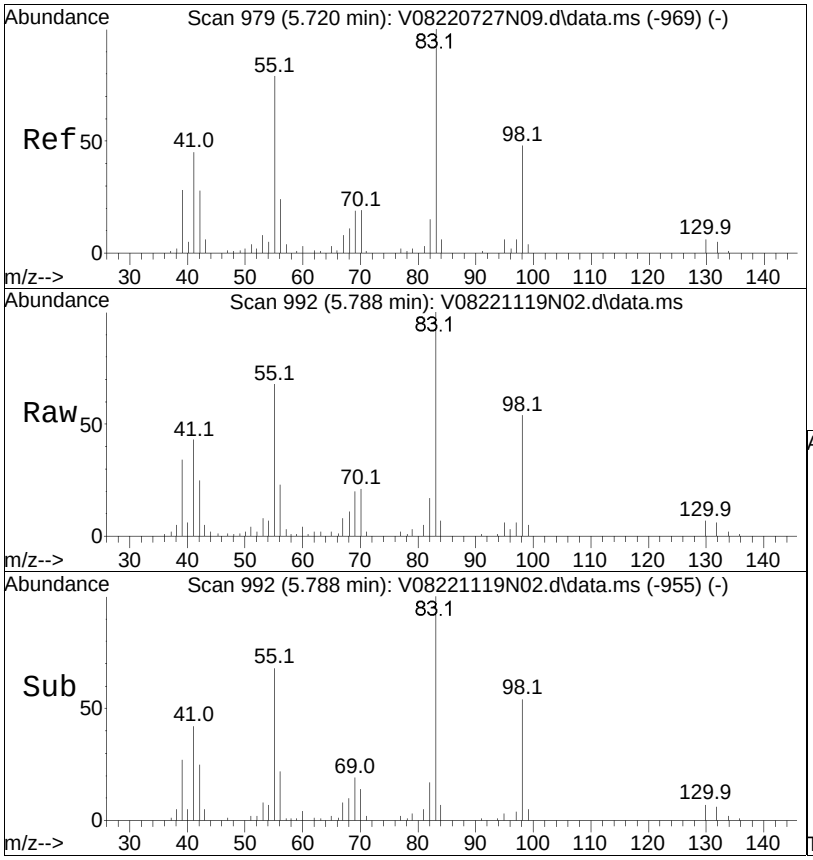


#44
1,2-Dichloroethane
Concen: 9.04 ug/L
RT: 5.358 min Scan# 910
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 62 Resp: 62932

Ion	Ratio	Lower	Upper
62	100		
64	32.5	11.2	51.2
98	10.4	0.0	26.1

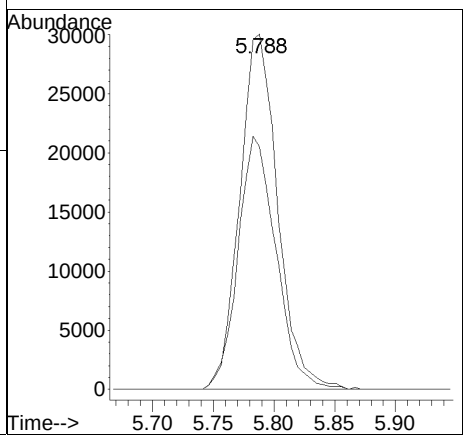


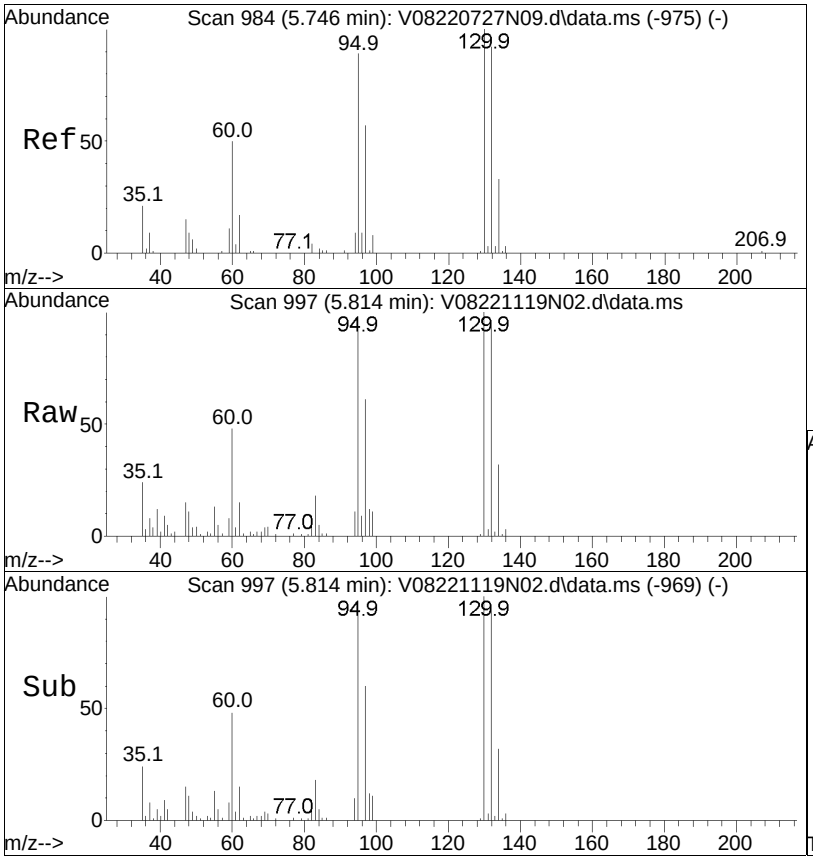


#47
Methyl cyclohexane
Concen: 8.40 ug/L
RT: 5.788 min Scan# 992
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 83 Resp: 65387

Ion	Ratio	Lower	Upper
83	100		
55	71.4	88.3	132.5#

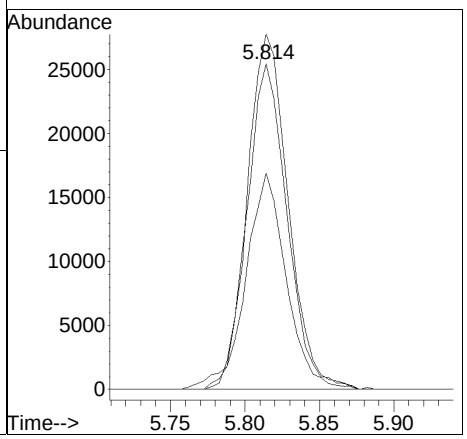


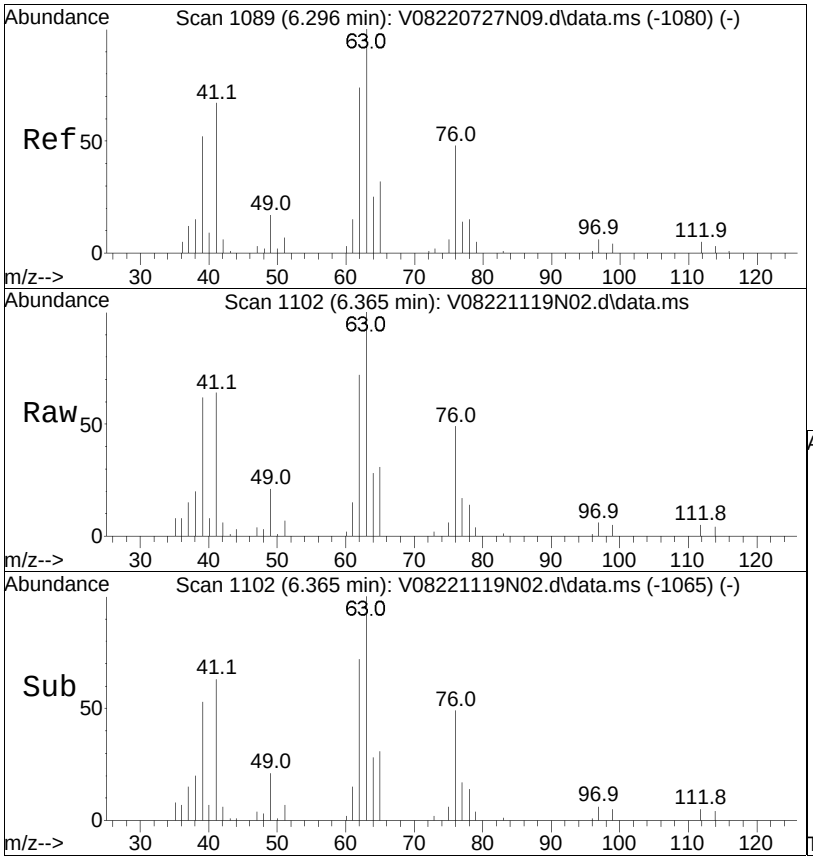


#48
Trichloroethene
Concen: 8.84 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 95 Resp: 47913

Ion	Ratio	Lower	Upper
95	100		
97	67.0	55.5	83.3
130	110.3	76.6	115.0

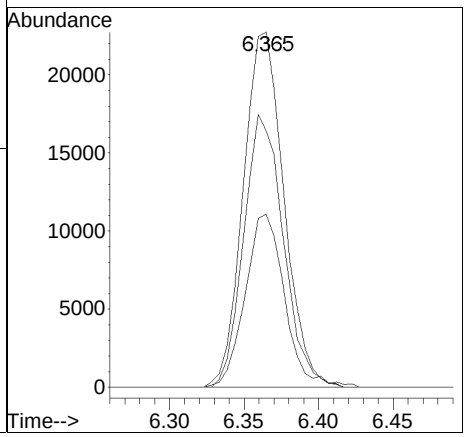


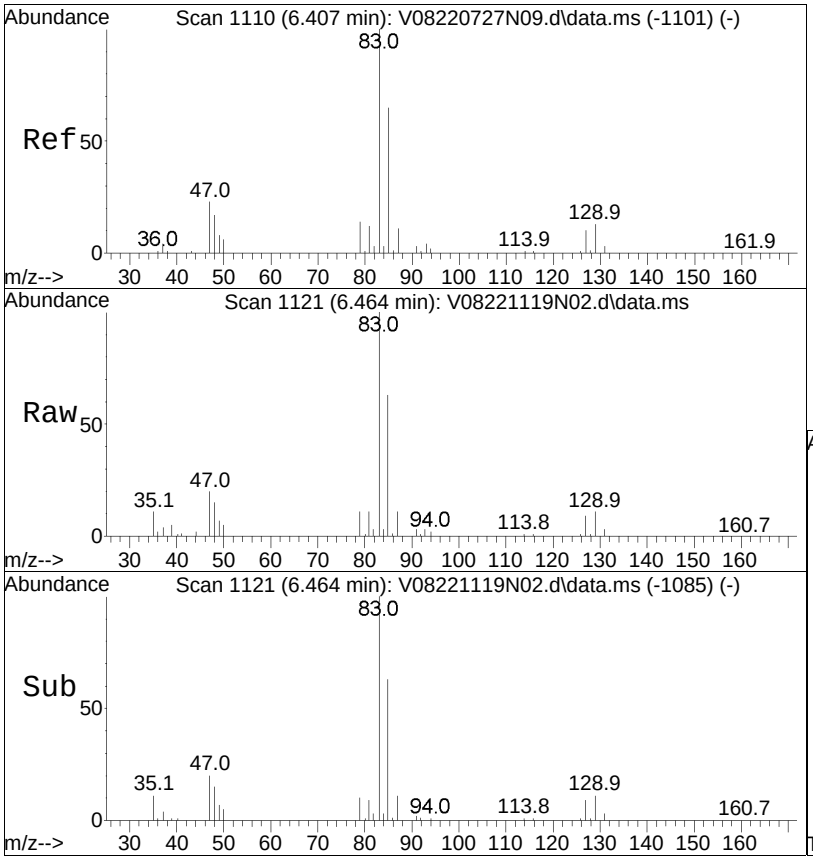


#51
1,2-Dichloropropane
Concen: 9.21 ug/L
RT: 6.365 min Scan# 1102
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 63 Resp: 43367

Ion	Ratio	Lower	Upper
63	100		
62	74.6	58.6	87.8
76	46.8	38.0	57.0

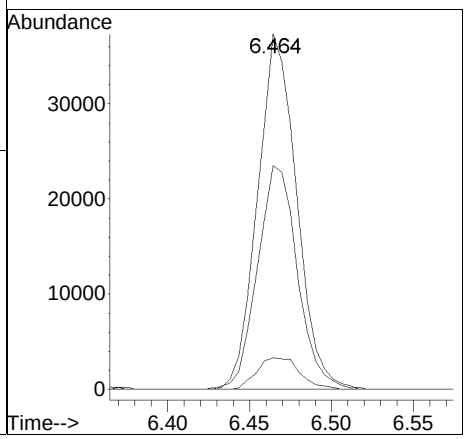


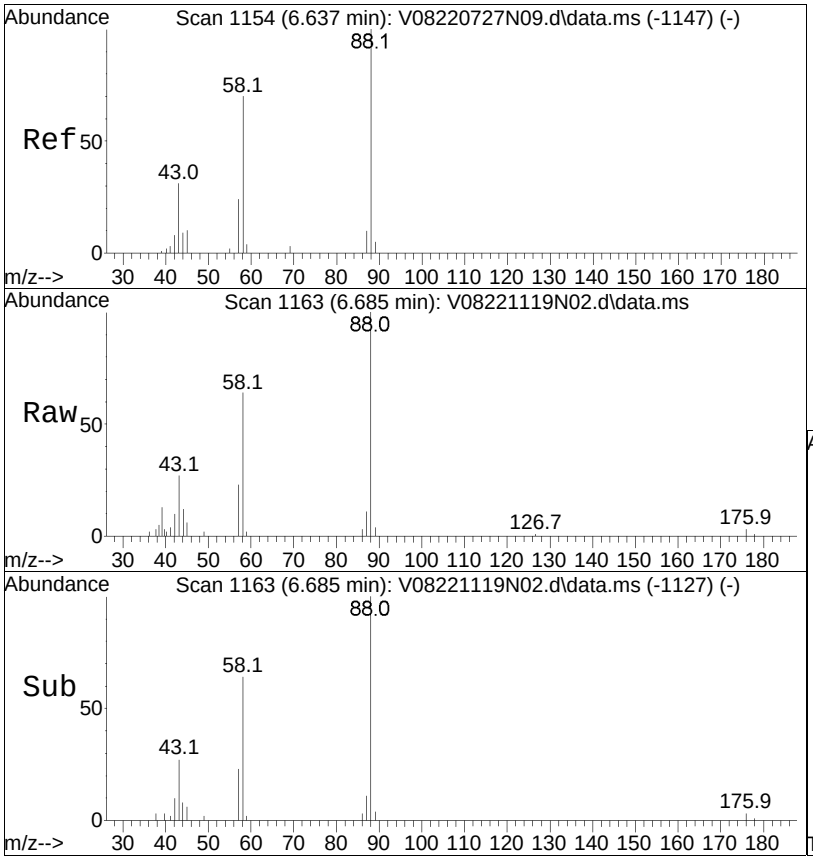


#54
Bromodichloromethane
Concen: 8.77 ug/L
RT: 6.464 min Scan# 1121
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 83 Resp: 61755

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5
127	9.9	6.2	9.4#

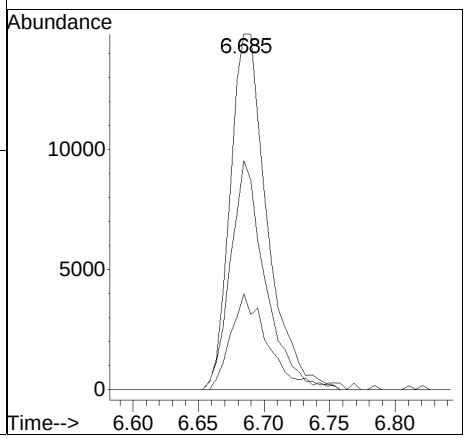


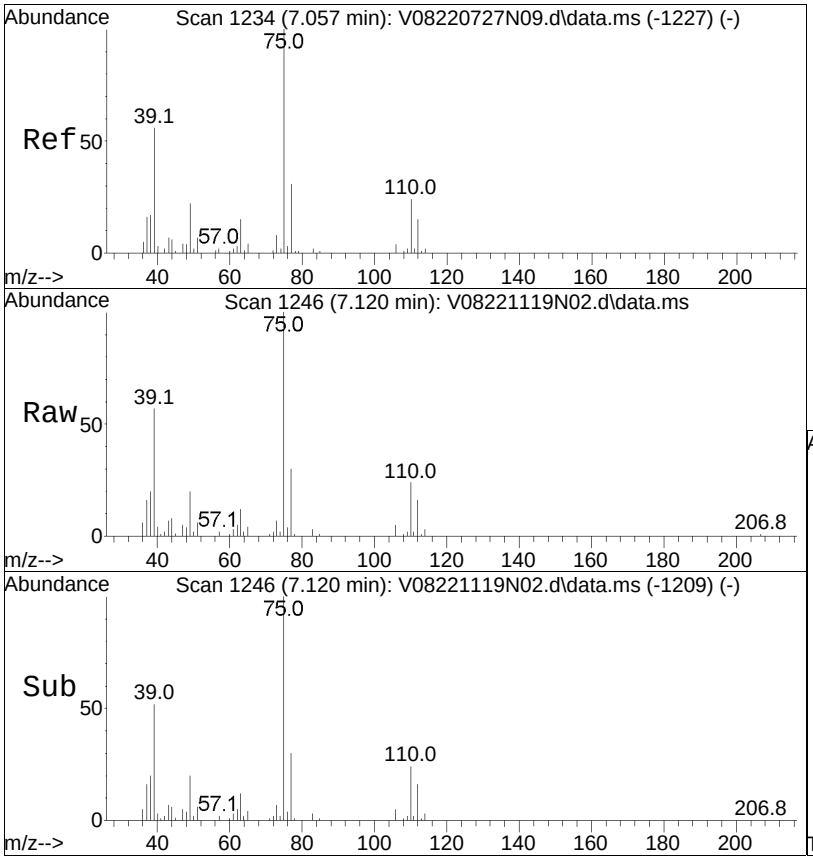


#57
1,4-Dioxane
Concen: 532.33 ug/L
RT: 6.685 min Scan# 1163
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 88 Resp: 29186

Ion	Ratio	Lower	Upper
88	100		
58	60.3	76.7	115.1#
43	27.2	36.2	54.2#

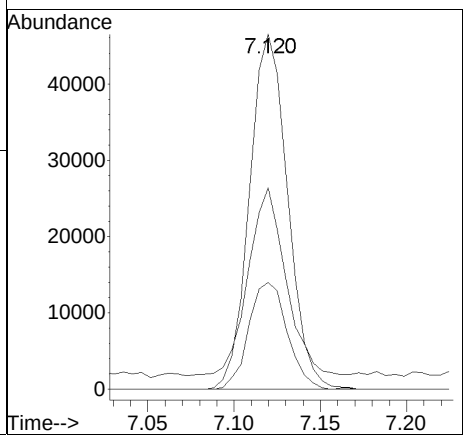


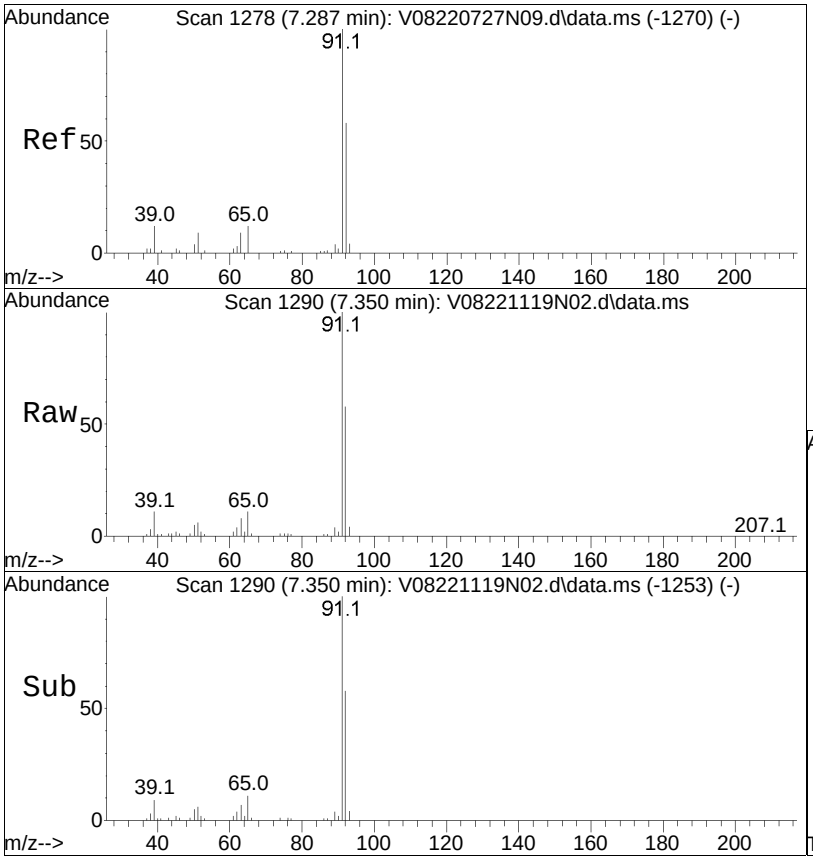


#58
cis-1,3-Dichloropropene
Concen: 8.64 ug/L
RT: 7.120 min Scan# 1246
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 75 Resp: 71614

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.4
39	52.8	50.1	75.1

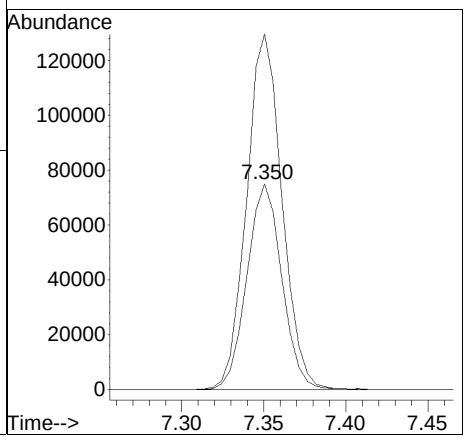


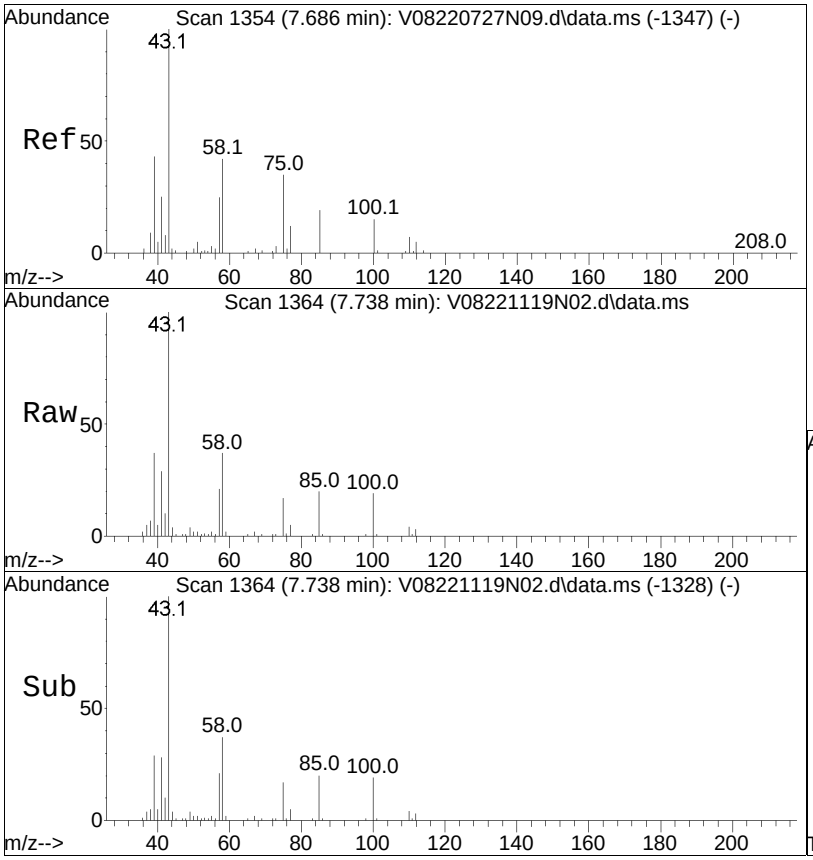


#61
Toluene
Concen: 9.05 ug/L
RT: 7.350 min Scan# 1290
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 92 Resp: 110700

Ion	Ratio	Lower	Upper
92	100		
91	175.3	139.8	209.6

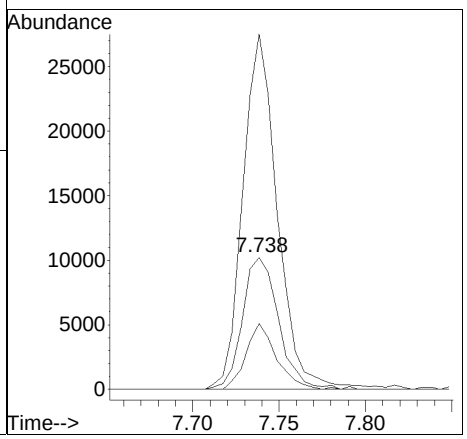


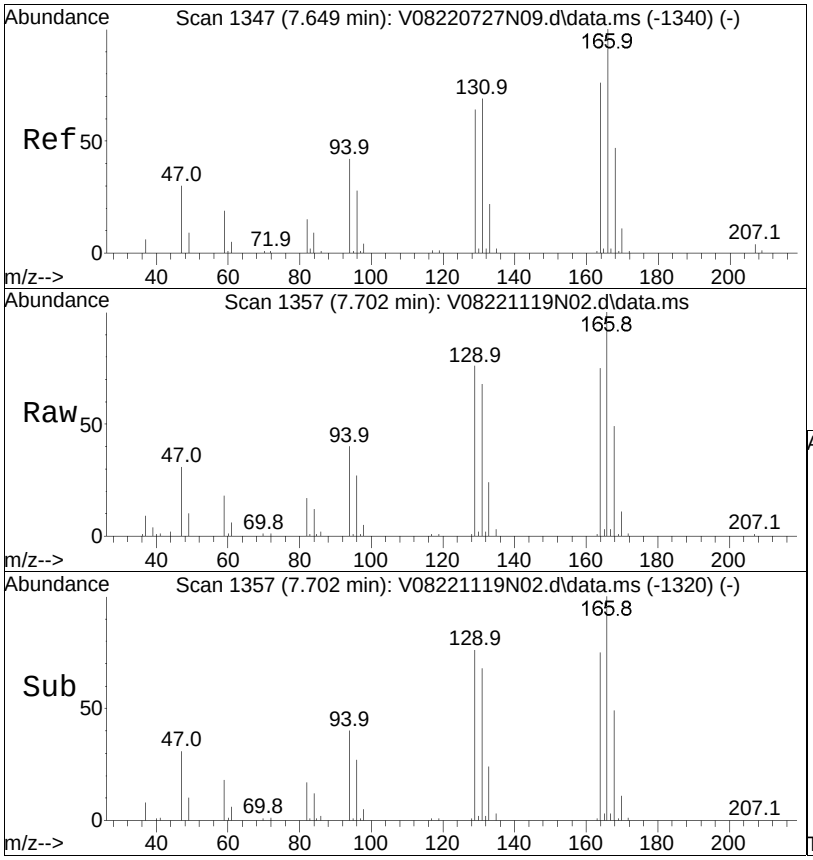


#62
4-Methyl-2-pentanone
Concen: 8.41 ug/L
RT: 7.738 min Scan# 1364
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 58 Resp: 14923

Ion	Ratio	Lower	Upper
58	100		
100	42.4	20.2	30.2#
43	258.4	196.6	295.0

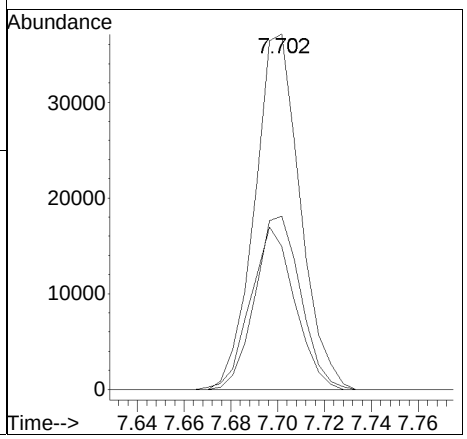


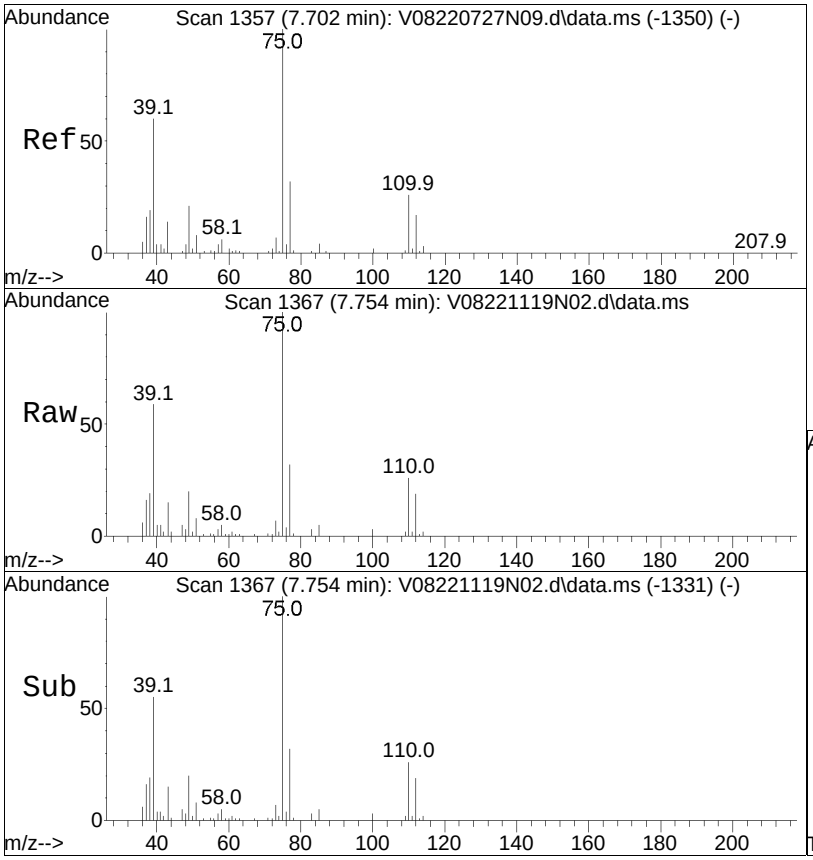


#63
Tetrachloroethene
Concen: 8.58 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:166 Resp: 50073

Ion	Ratio	Lower	Upper
166	100		
168	48.8	28.2	68.2
94	44.5	38.4	78.4

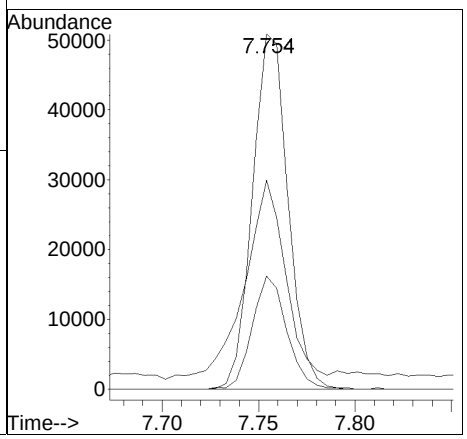


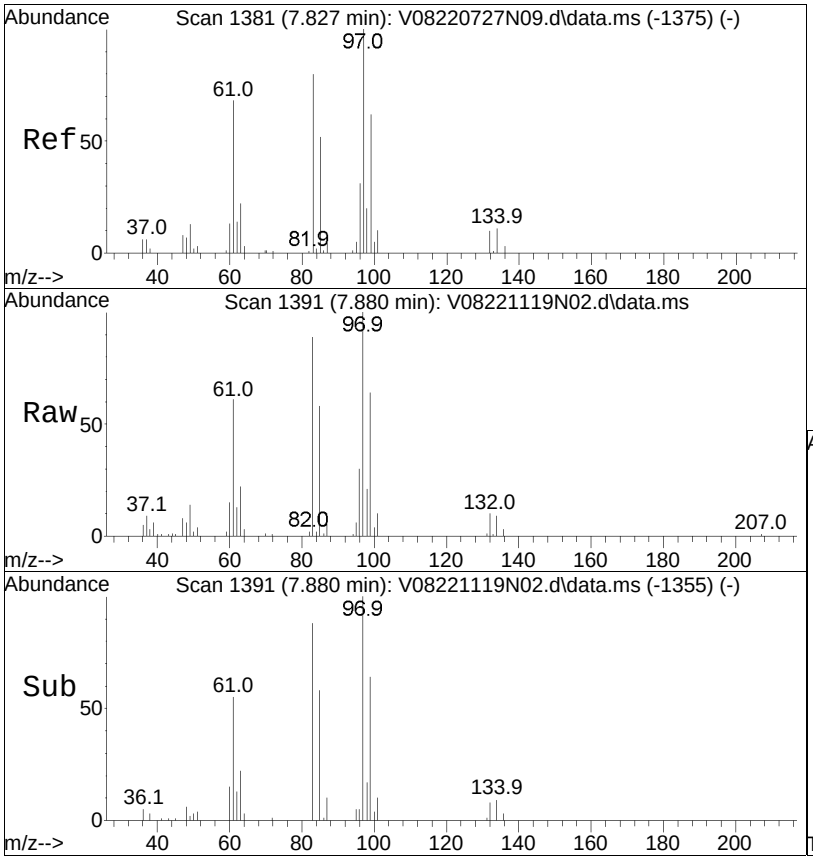


#65
trans-1,3-Dichloropropene
Concen: 8.59 ug/L
RT: 7.754 min Scan# 1367
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 75 Resp: 65340

Ion	Ratio	Lower	Upper
75	100		
77	31.0	12.4	52.4
39	64.0	42.8	82.8

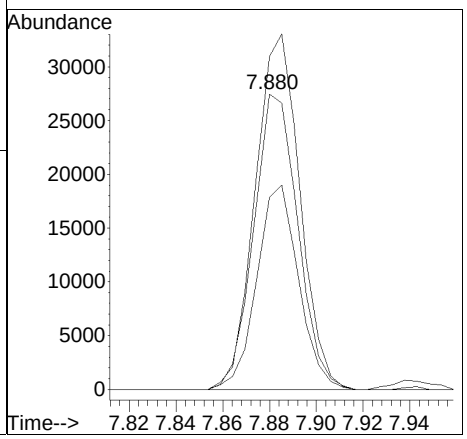


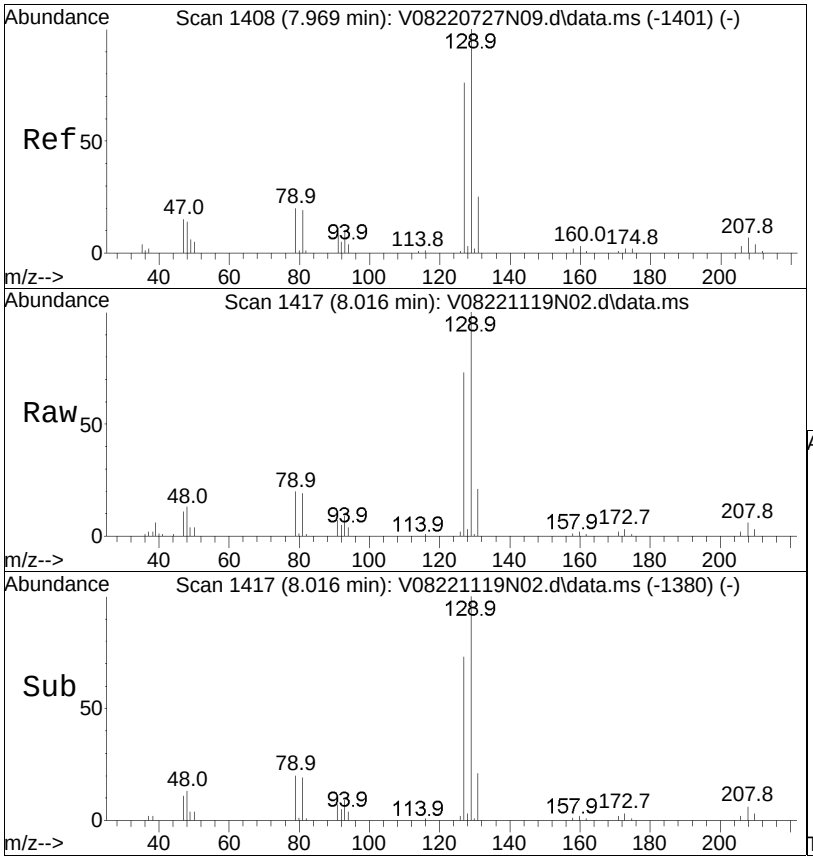


#68
1,1,2-Trichloroethane
Concen: 9.32 ug/L
RT: 7.880 min Scan# 1391
Delta R.T. -0.010 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 83 Resp: 36050

Ion	Ratio	Lower	Upper
83	100		
97	121.4	89.8	129.8
85	65.4	44.4	84.4

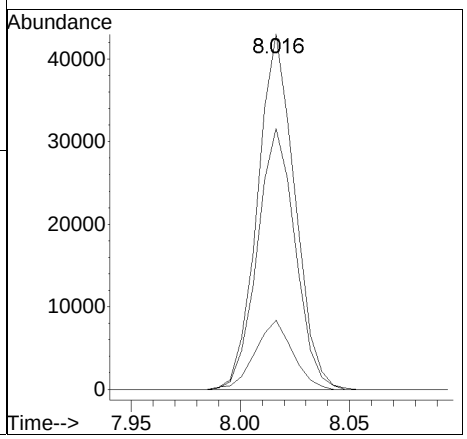


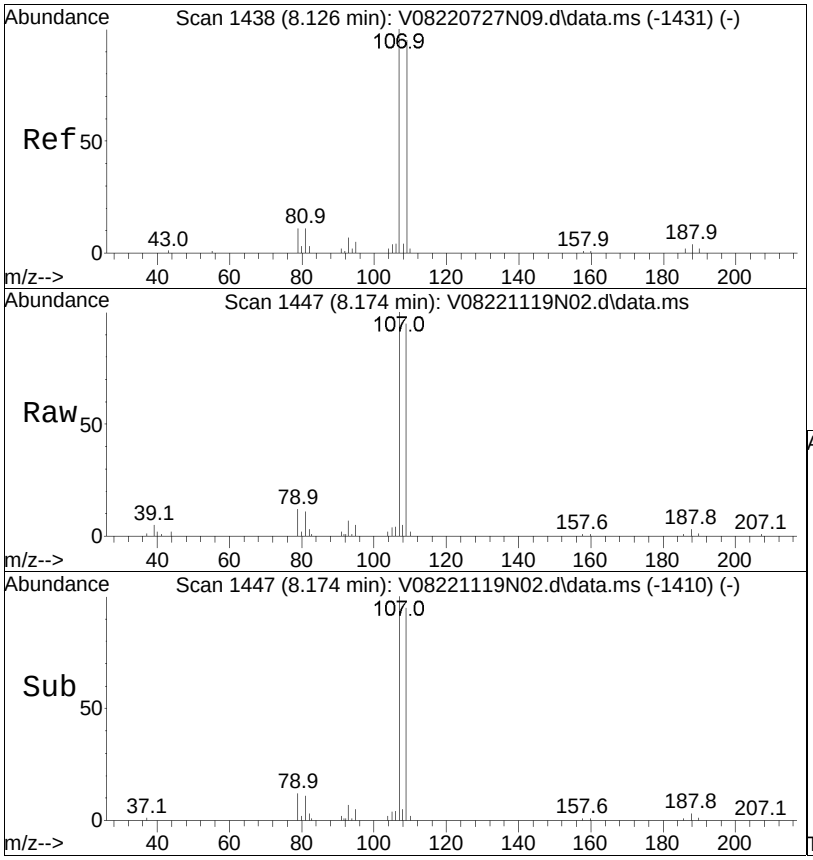


#69
Chlorodibromomethane
Concen: 8.50 ug/L
RT: 8.016 min Scan# 1417
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:129 Resp: 51051

Ion	Ratio	Lower	Upper
129	100		
81	19.6	2.9	42.9
127	74.8	57.8	97.8

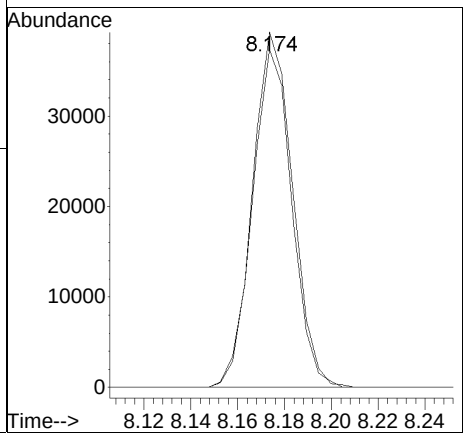


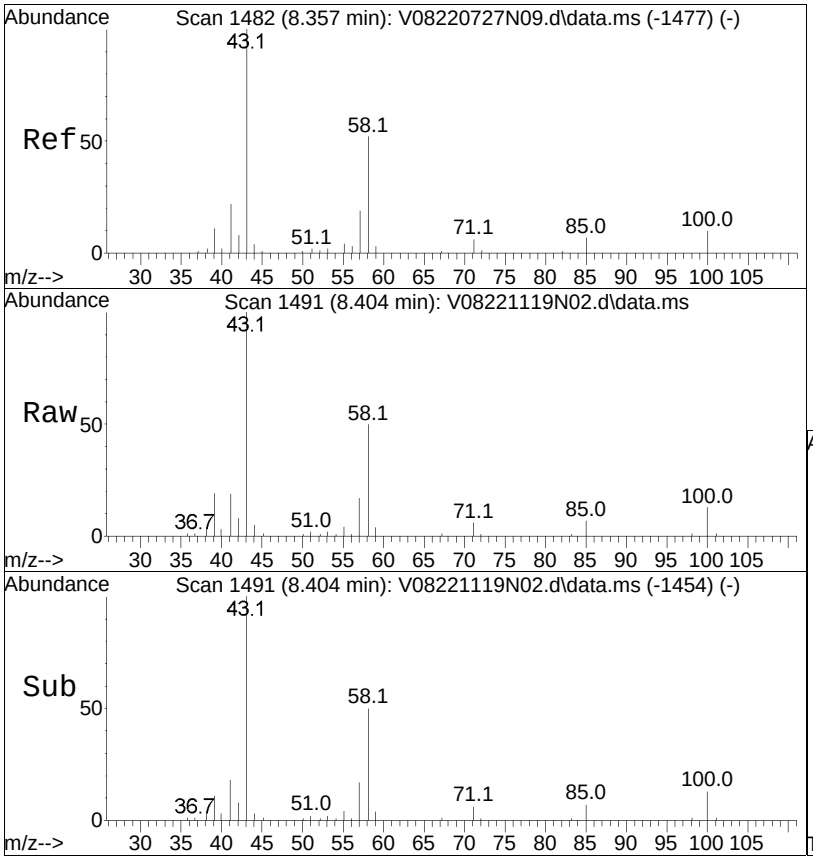


#71
1,2-Dibromoethane
Concen: 8.95 ug/L
RT: 8.174 min Scan# 1447
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:107 Resp: 46659

Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.3	111.5

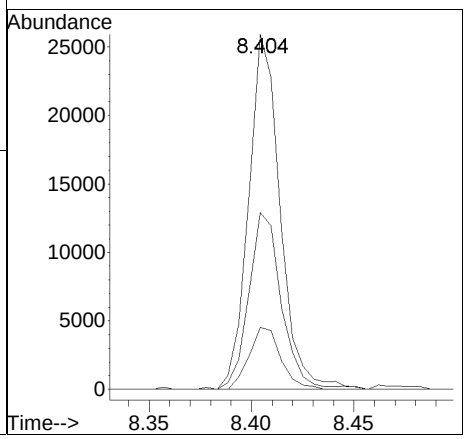


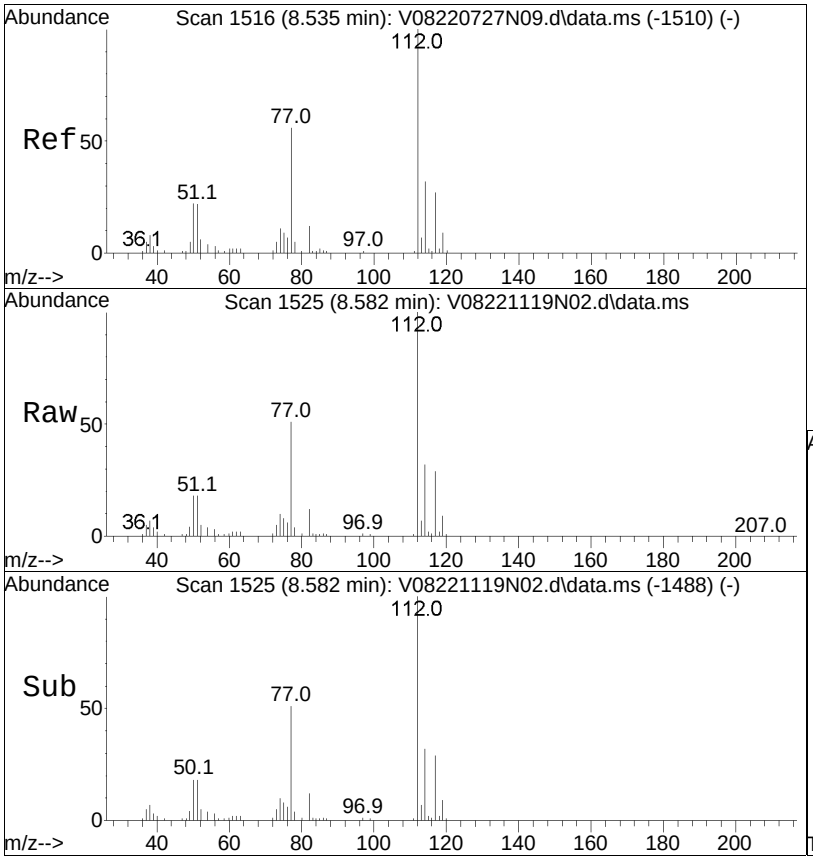


#72
2-Hexanone
Concen: 7.99 ug/L
RT: 8.404 min Scan# 1491
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 43 Resp: 27844

Ion	Ratio	Lower	Upper
43	100		
58	51.5	41.2	61.8
57	17.6	17.2	25.8

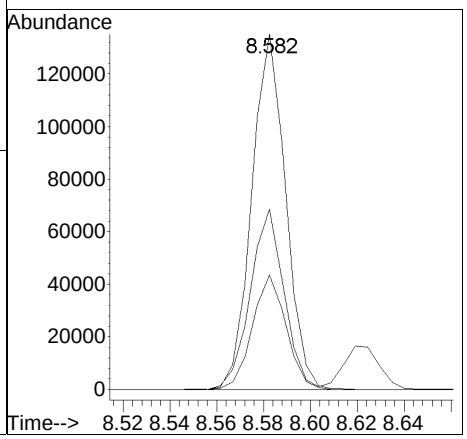


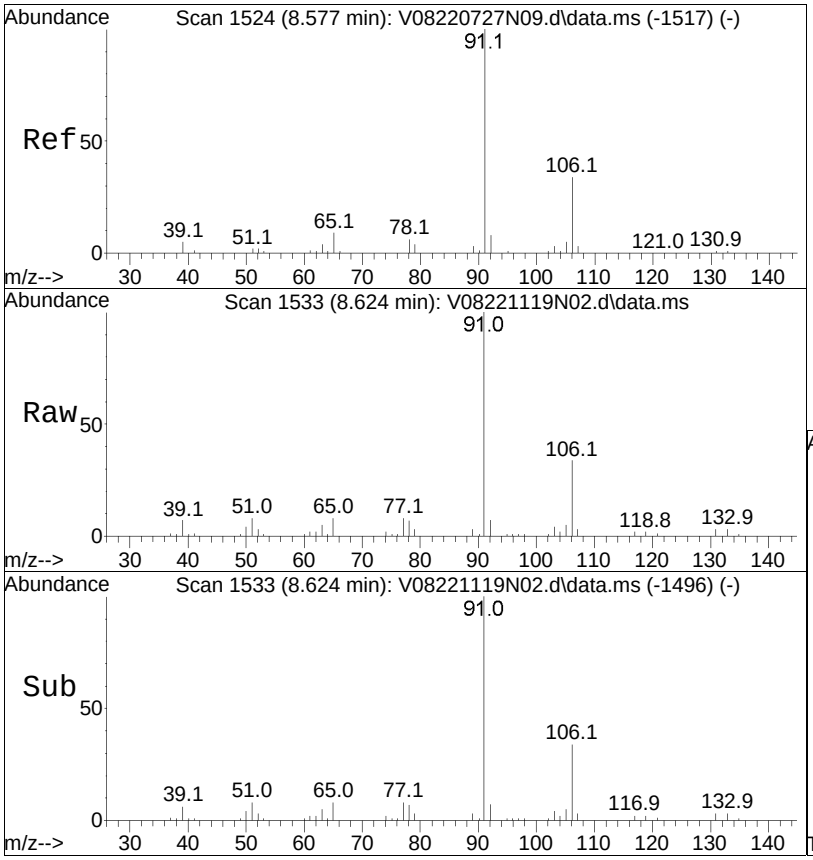


#73
Chlorobenzene
Concen: 8.99 ug/L
RT: 8.582 min Scan# 1525
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:112 Resp: 135433

Ion	Ratio	Lower	Upper
112	100		
77	50.8	55.4	83.0#
114	32.1	25.4	38.2

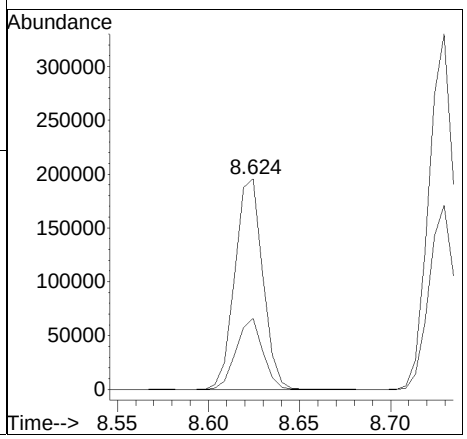


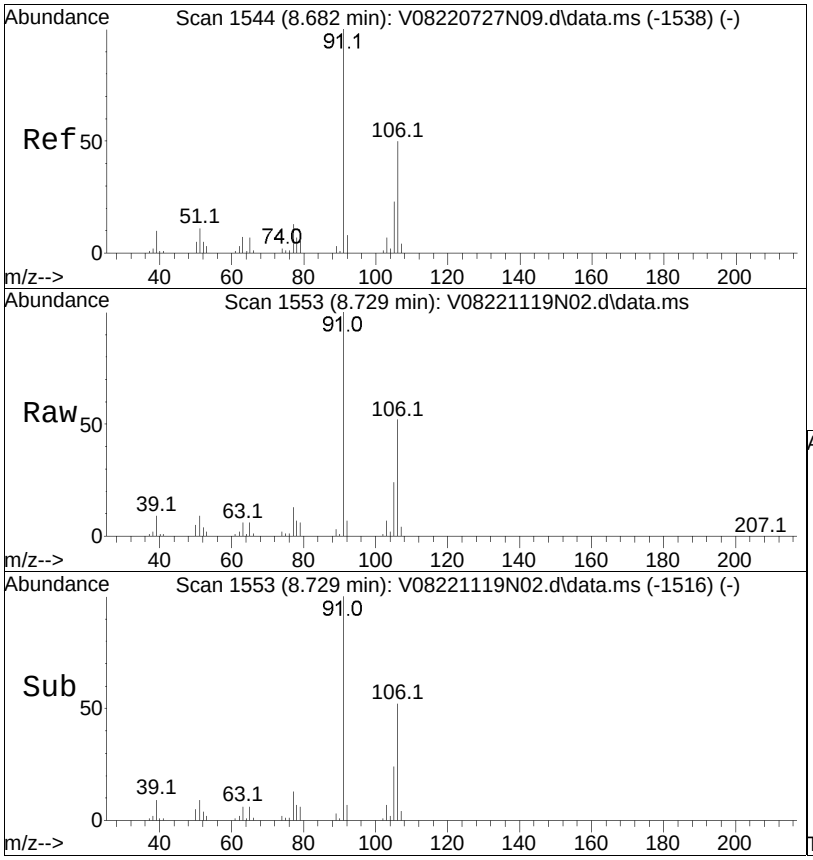


#74
Ethylbenzene
Concen: 8.89 ug/L
RT: 8.624 min Scan# 1533
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 91 Resp: 208486

Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.3	36.5

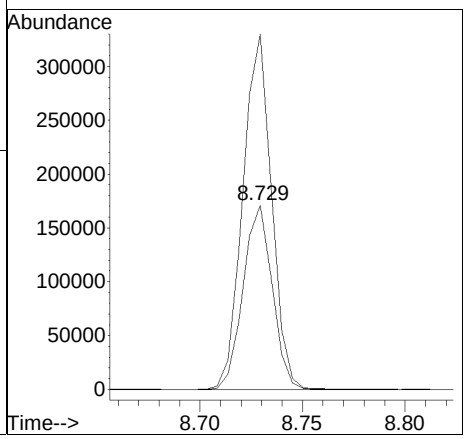


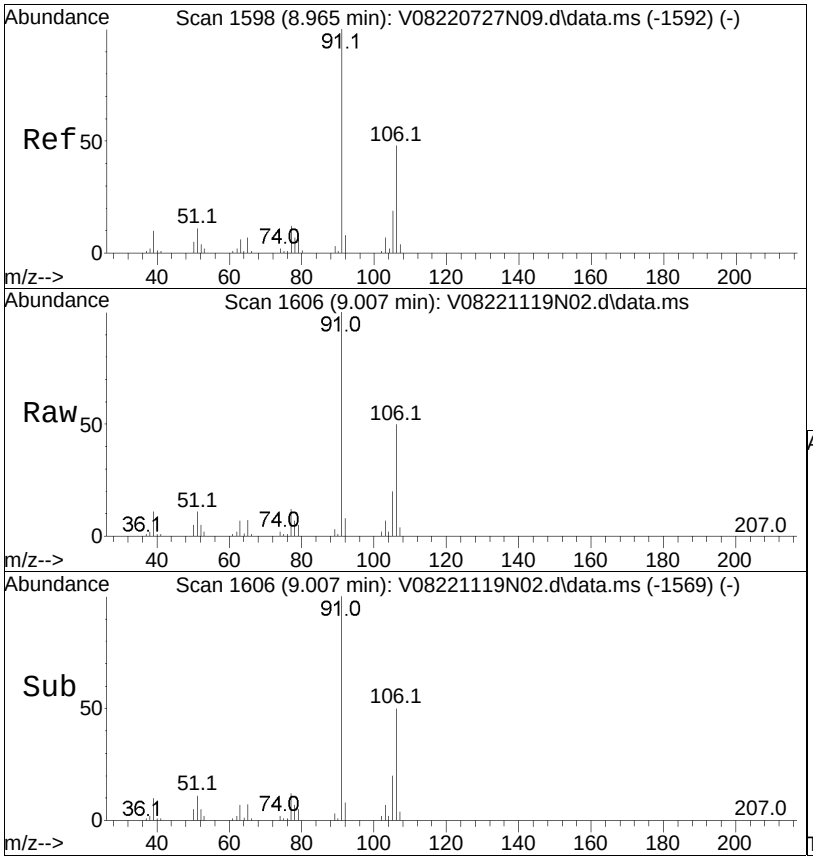


#76
p/m Xylene
Concen: 17.35 ug/L
RT: 8.729 min Scan# 1553
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:106 Resp: 169021

Ion	Ratio	Lower	Upper
106	100		
91	190.2	166.4	249.6

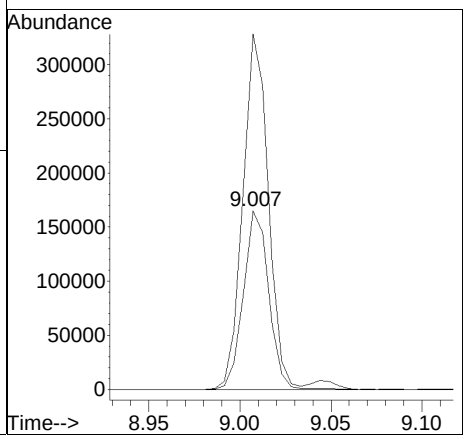


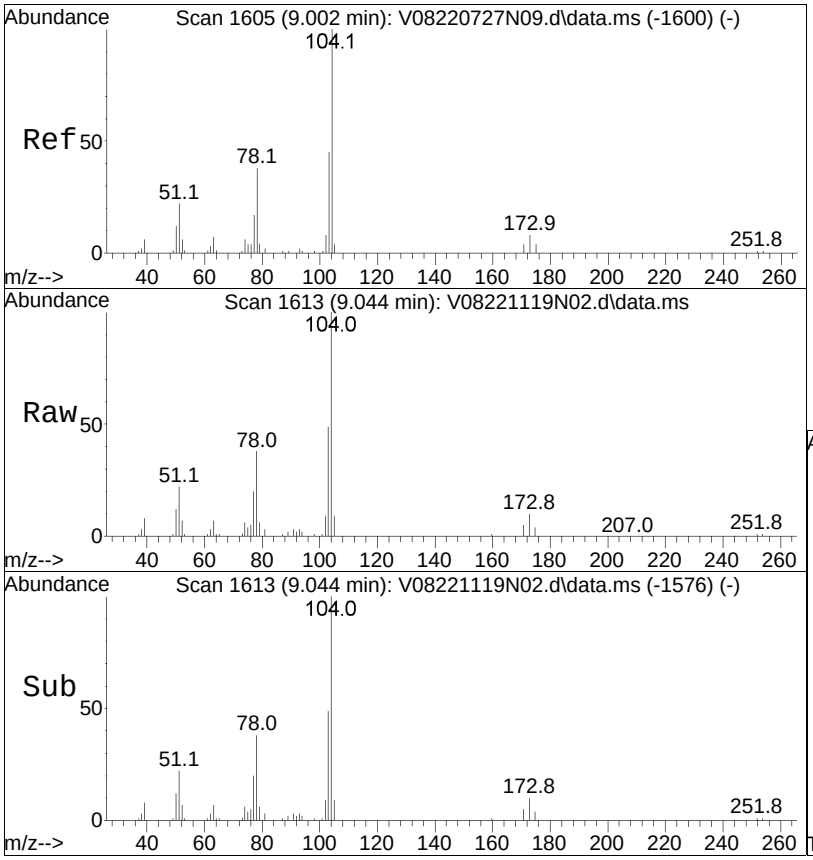


#77
o Xylene
Concen: 17.23 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:106 Resp: 159919

Ion	Ratio	Lower	Upper
106	100		
91	198.7	182.6	273.8

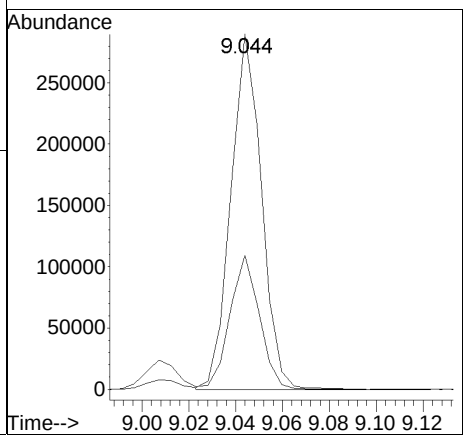


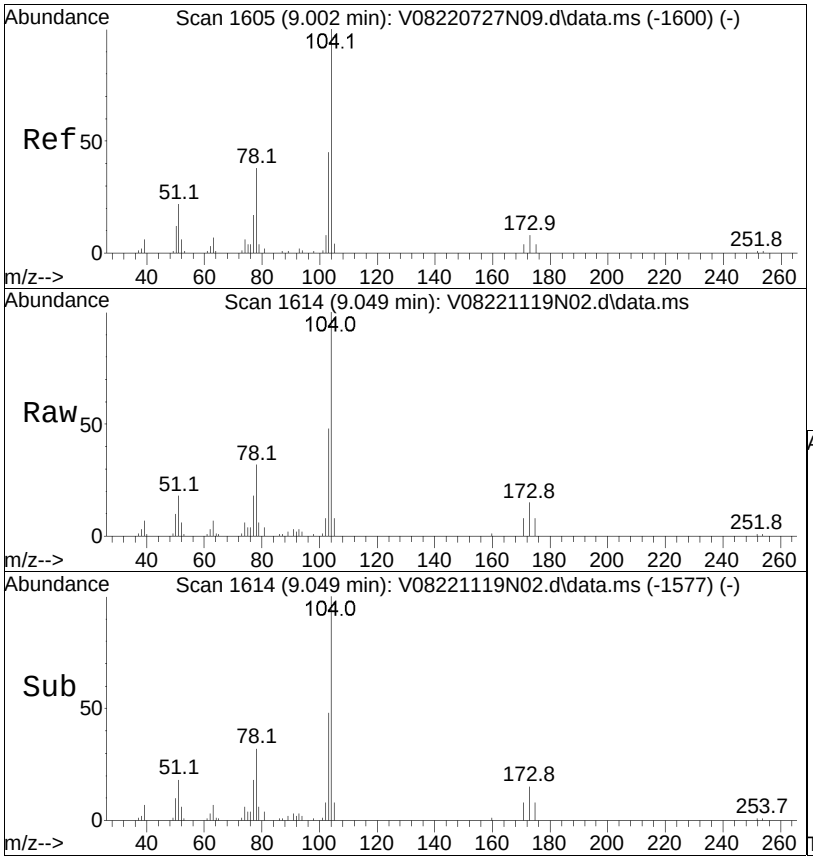


#78
Styrene
Concen: 16.87 ug/L
RT: 9.044 min Scan# 1613
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:104 Resp: 263533

Ion	Ratio	Lower	Upper
104	100		
78	36.5	39.8	59.6#

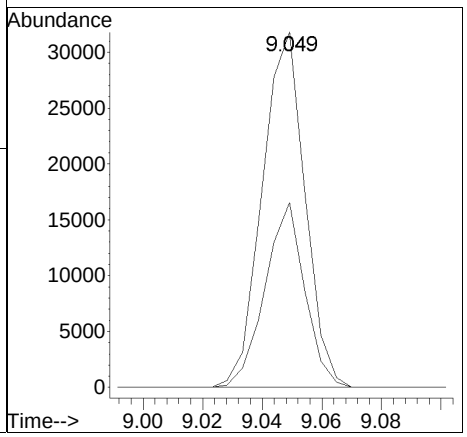


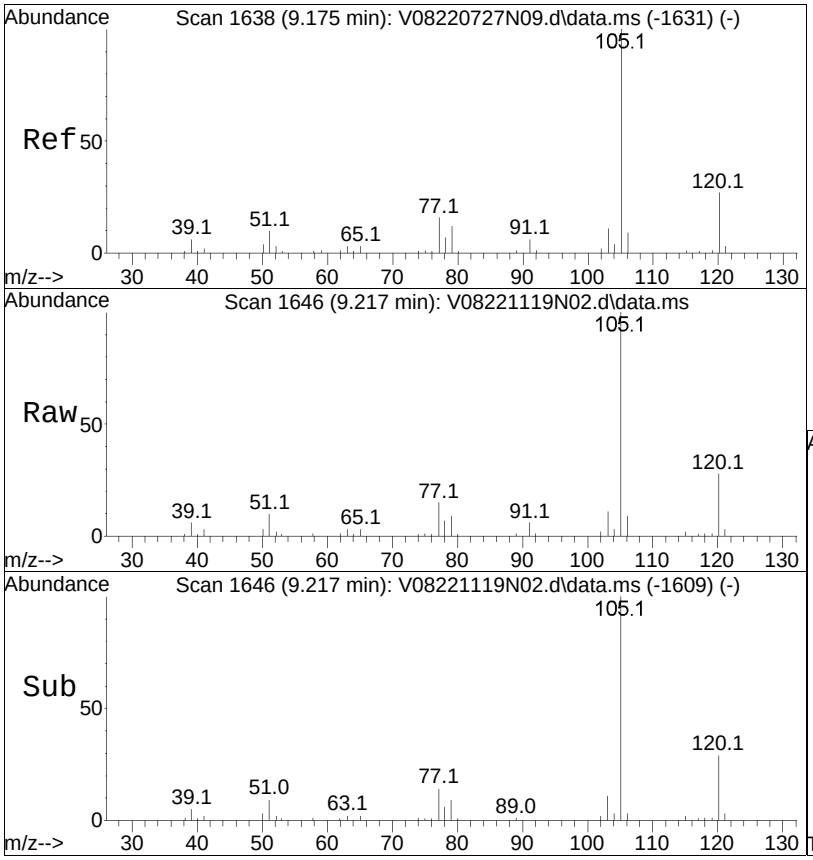


#80
Bromoform
Concen: 7.63 ug/L
RT: 9.049 min Scan# 1614
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:173 Resp: 31660

Ion	Ratio	Lower	Upper
173	100		
175	48.5	31.5	71.5

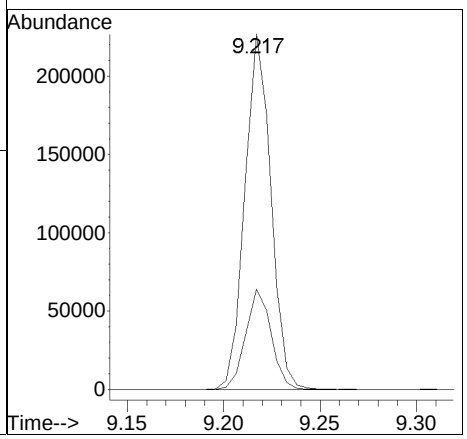


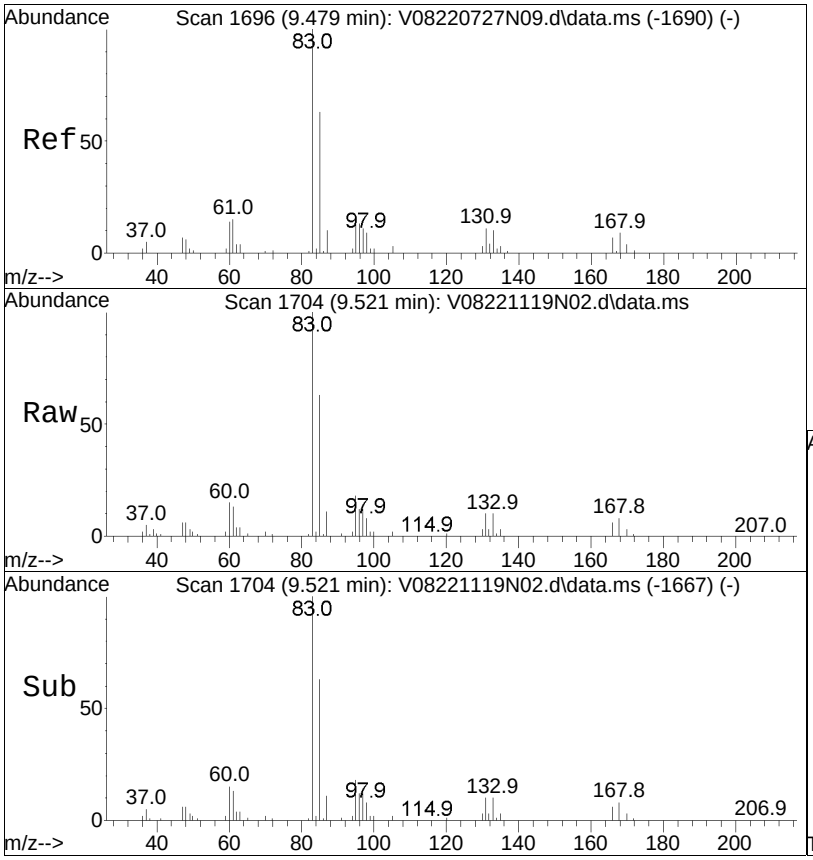


#82
Isopropylbenzene
Concen: 9.02 ug/L
RT: 9.217 min Scan# 1646
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:105 Resp: 212882

Ion	Ratio	Lower	Upper
105	100		
120	27.6	4.8	44.8

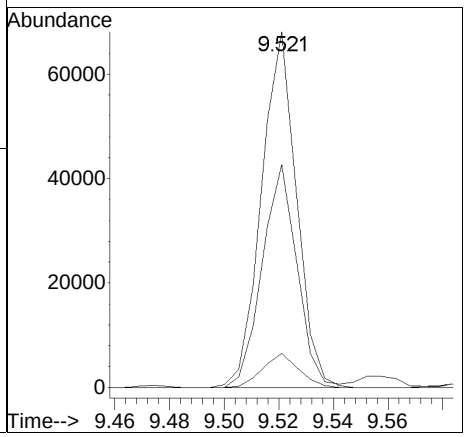


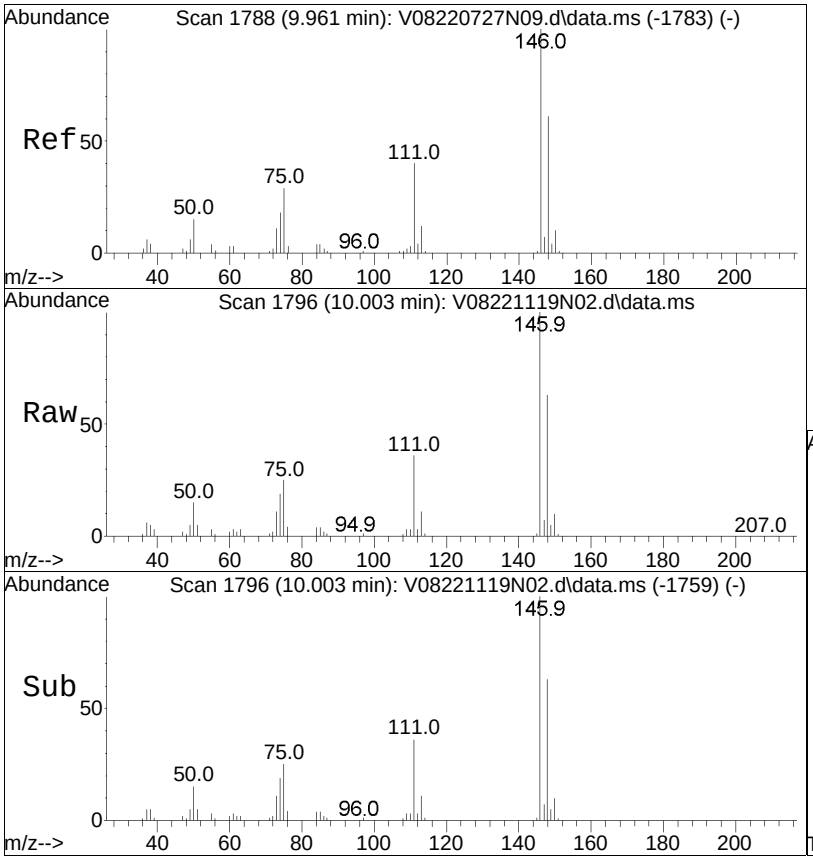


#87
1,1,2,2-Tetrachloroethane
Concen: 9.93 ug/L
RT: 9.521 min Scan# 1704
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion: 83 Resp: 60622

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	30.4
85	62.4	45.4	85.4

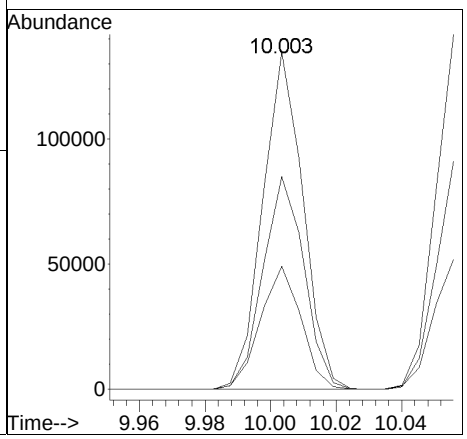


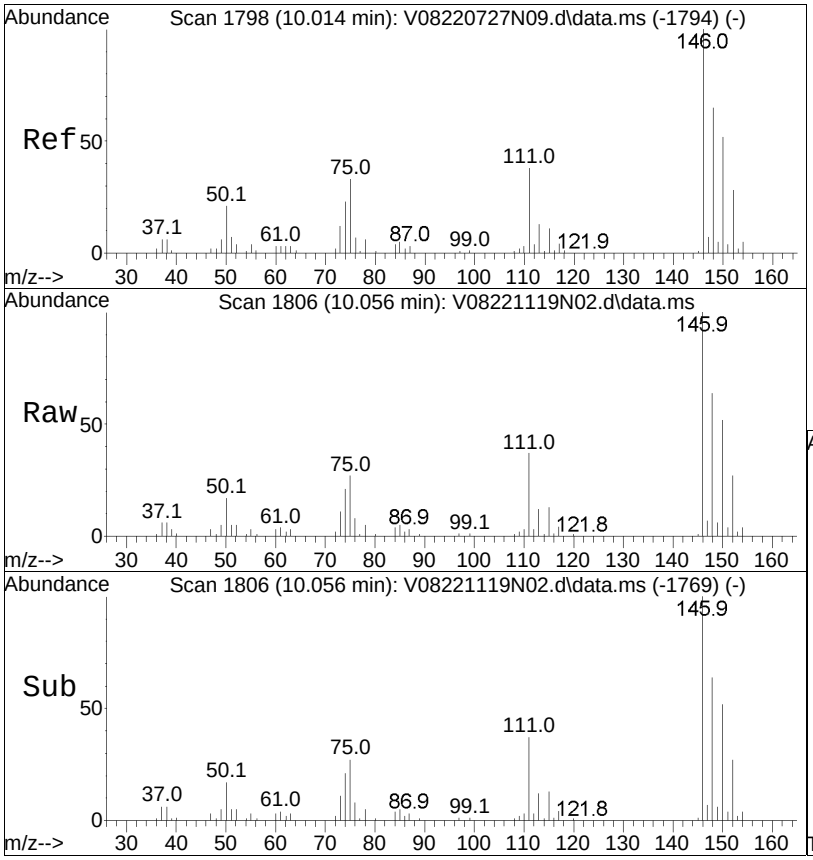


#100
1,3-Dichlorobenzene
Concen: 8.79 ug/L
RT: 10.003 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:146 Resp: 115284

Ion	Ratio	Lower	Upper
146	100		
111	36.9	27.5	57.1
148	64.3	41.9	86.9

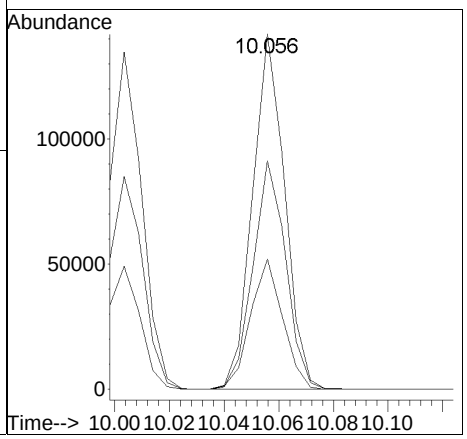


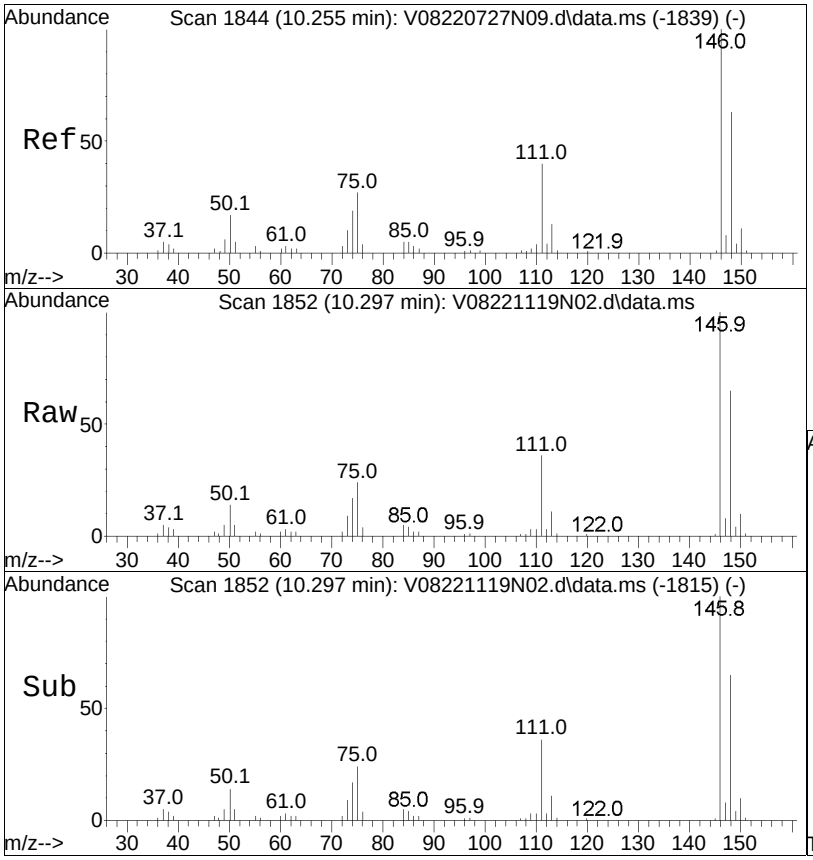


#101
1,4-Dichlorobenzene
Concen: 8.75 ug/L
RT: 10.056 min Scan# 1806
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:146 Resp: 116163

Ion	Ratio	Lower	Upper
146	100		
111	37.0	32.3	48.5
148	65.5	49.9	74.9

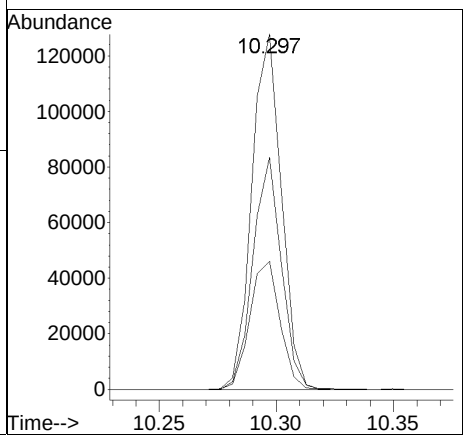


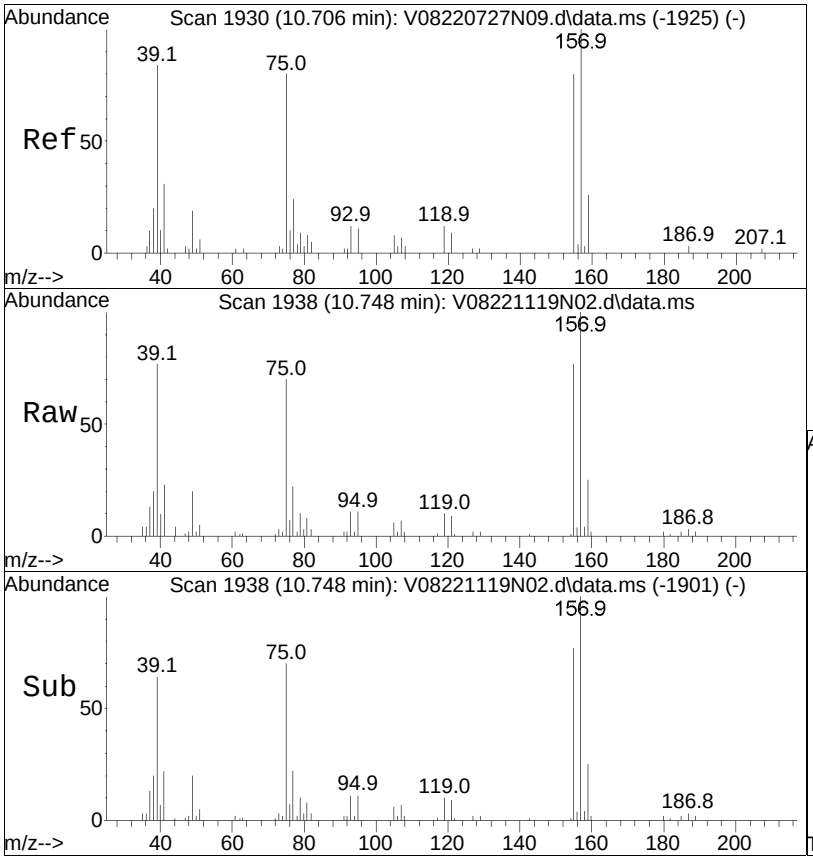


#104
1,2-Dichlorobenzene
Concen: 8.73 ug/L
RT: 10.297 min Scan# 1852
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:146 Resp: 112571

Ion	Ratio	Lower	Upper
146	100		
111	36.9	28.3	58.7
148	62.7	42.3	87.8

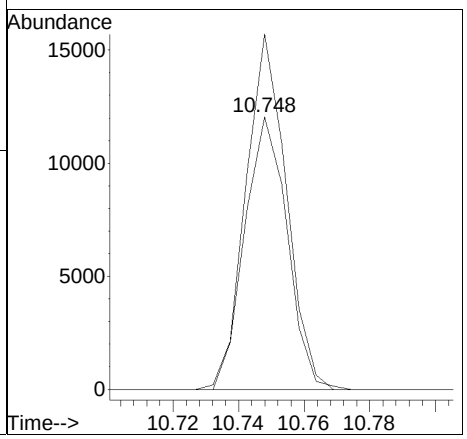


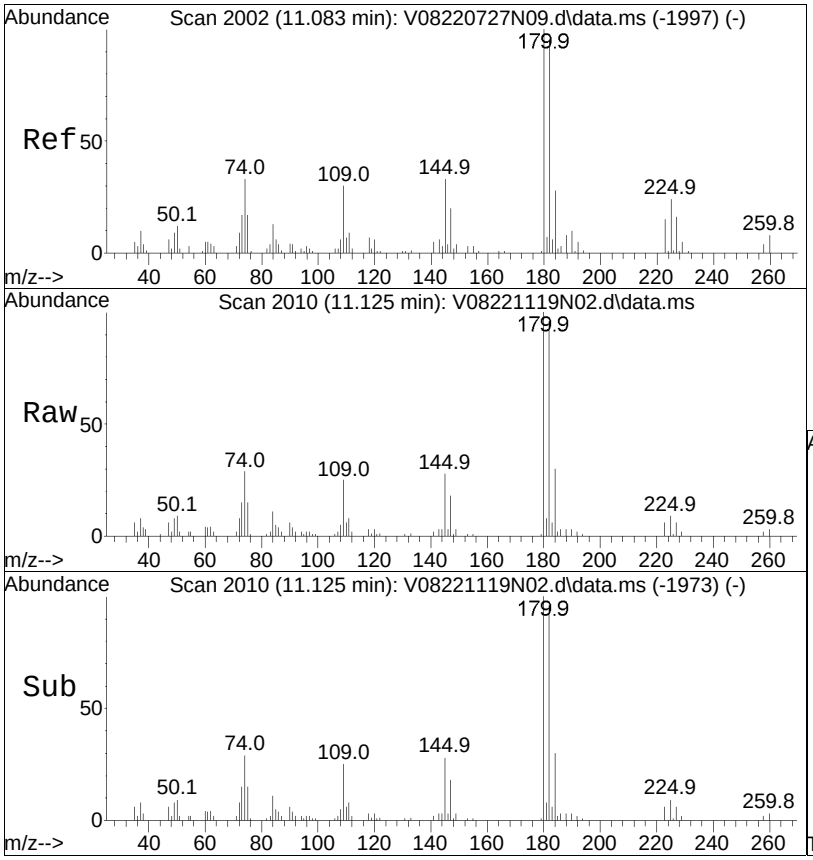


#106
1,2-Dibromo-3-chloropropane
Concen: 8.52 ug/L
RT: 10.748 min Scan# 1938
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:155 Resp: 10854

Ion	Ratio	Lower	Upper
155	100		
157	124.1	94.8	142.2

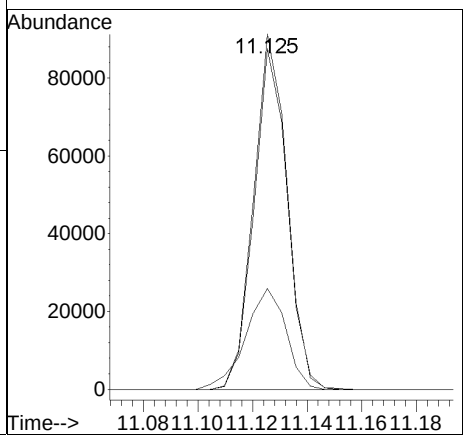


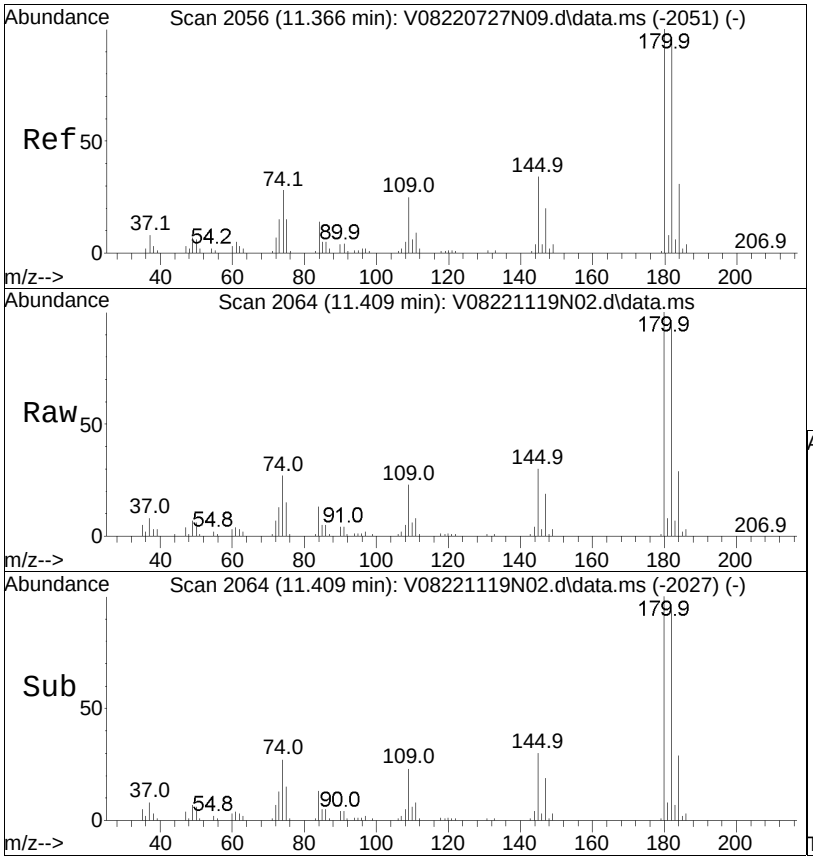


#109
1,2,4-Trichlorobenzene
Concen: 8.54 ug/L
RT: 11.125 min Scan# 2010
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:180 Resp: 77725

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	34.3	28.1	42.1

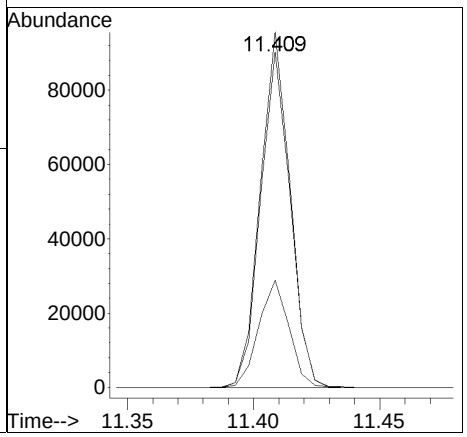




#111
1,2,3-Trichlorobenzene
Concen: 8.59 ug/L
RT: 11.409 min Scan# 2064
Delta R.T. -0.005 min
Lab File: V08221119N02.d
Acq: 19 Nov 2022 7:22 pm

Tgt Ion:180 Resp: 78550

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
145	30.7	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A02.D
Acq On : 20 Nov 2022 08:52 am
Operator : VOA116:NLK
Sample : WG1714765-4,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 09:57:04 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.703	96	128646	10.000 ug/L	0.00
Standard Area 1 = 127592			Recovery = 100.83%		
63) Chlorobenzene-d5	9.222	117	101100	10.000 ug/L	0.00
Standard Area 1 = 100081			Recovery = 101.02%		
84) 1,4-Dichlorobenzene-d4	11.997	152	57678	10.000 ug/L	0.00
Standard Area 1 = 57288			Recovery = 100.68%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.898	113	35425	10.210 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.10%		
47) 1,2-Dichloroethane-d4	5.416	65	41184	9.772 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.72%		
64) Toluene-d8	7.391	98	128445	9.835 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.35%		
88) 4-Bromofluorobenzene	10.754	95	50275	9.228 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.28%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.492	85	23250	7.580 ug/L	98
3) Chloromethane	1.680	50	38354	8.403 ug/L	95
4) Vinyl chloride	1.727	62	38187	8.988 ug/L	96
5) Bromomethane	2.018	94	18909	7.026 ug/L	96
6) Chloroethane	2.135	64	25829	9.752 ug/L	100
7) Trichlorofluoromethane	2.261	101	46188	9.518 ug/L	100
10) 1,1-Dichloroethene	2.724	96	26158	8.886 ug/L	86
11) Carbon disulfide	2.755	76	51881	9.031 ug/L	99
12) Freon-113	2.763	101	29658	8.957 ug/L	92
15) Methylene chloride	3.250	84	33723	9.899 ug/L #	70
17) Acetone	3.281	43	7985	8.244 ug/L	99
18) trans-1,2-Dichloroethene	3.399	96	31781	9.671 ug/L	84
19) Methyl acetate	3.399	43	20235	9.655 ug/L #	83
21) Methyl tert-butyl ether	3.501	73	64889	8.923 ug/L #	82
25) 1,1-Dichloroethane	3.964	63	69011	9.715 ug/L	98
30) cis-1,2-Dichloroethene	4.466	96	35794	9.789 ug/L	85
33) Bromochloromethane	4.655	128	16801	11.078 ug/L #	66
34) Cyclohexane	4.670	56	65535	8.179 ug/L	69
35) Chloroform	4.725	83	63137	9.876 ug/L	95
37) Carbon tetrachloride	4.867	117	44853	9.106 ug/L #	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A02.D
Acq On : 20 Nov 2022 08:52 am
Operator : VOA116:NLK
Sample : WG1714765-4,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 09:57:04 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA116\2022\221120A\V16221120A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	4.929	97	47701	8.999	ug/L		91
42) 2-Butanone	5.008	43	12403	8.828	ug/L	#	42
45) Benzene	5.290	78	135175	9.964	ug/L	#	93
48) 1,2-Dichloroethane	5.487	62	48351	9.728	ug/L		94
51) Methyl cyclohexane	5.883	83	49640	7.533	ug/L	#	73
52) Trichloroethene	5.883	95	34552	9.299	ug/L		98
55) 1,2-Dichloropropane	6.412	63	39934	9.358	ug/L	#	83
58) Bromodichloromethane	6.488	83	42850	10.129	ug/L		98
61) 1,4-Dioxane	6.690	88	9581	478.815	ug/L	#	76
62) cis-1,3-Dichloropropene	7.176	75	58350	9.486	ug/L		92
65) Toluene	7.447	92	80653	9.246	ug/L		95
66) 4-Methyl-2-pentanone	7.876	58	8382	7.608	ug/L	#	92
67) Tetrachloroethene	7.897	166	33379	8.783	ug/L		94
69) trans-1,3-Dichloropropene	7.925	75	46631	9.061	ug/L		90
72) 1,1,2-Trichloroethane	8.105	83	22364	9.707	ug/L		93
73) Chlorodibromomethane	8.313	129	31479	9.427	ug/L		98
75) 1,2-Dibromoethane	8.584	107	25473	9.333	ug/L		98
77) 2-Hexanone	8.882	43	15360	7.248	ug/L	#	90
78) Chlorobenzene	9.243	112	91423	9.661	ug/L		98
79) Ethylbenzene	9.298	91	152362	9.016	ug/L		99
81) p/m Xylene	9.486	106	116405	18.223	ug/L		98
82) o Xylene	10.029	106	109538	18.590	ug/L		93
83) Styrene	10.098	104	185066	19.019	ug/L		91
85) Bromoform	10.112	173	19501	8.454	ug/L		94
87) Isopropylbenzene	10.432	105	143285	7.489	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.006	83	32046	9.390	ug/L		97
105) 1,3-Dichlorobenzene	11.921	146	71320	8.819	ug/L		99
106) 1,4-Dichlorobenzene	12.018	146	72887	9.014	ug/L		99
109) 1,2-Dichlorobenzene	12.443	146	65938	8.940	ug/L		99
111) 1,2-Dibromo-3-chloropr...	13.229	155	4443	8.027	ug/L		91
114) 1,2,4-Trichlorobenzene	13.877	180	39733	7.767	ug/L		98
116) 1,2,3-Trichlorobenzene	14.336	180	35132	7.826	ug/L		97

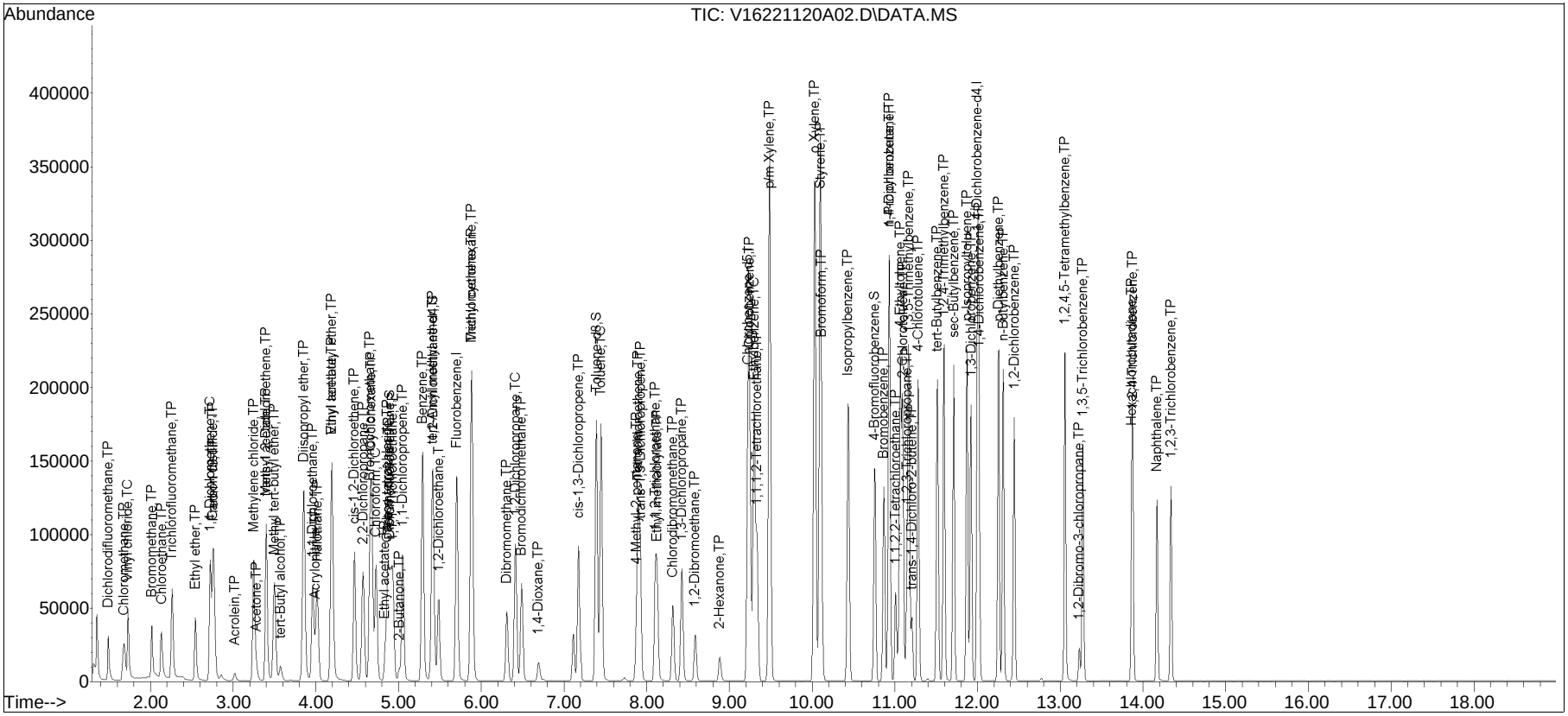
(#) = qualifier out of range (m) = manual integration (+) = signals summed

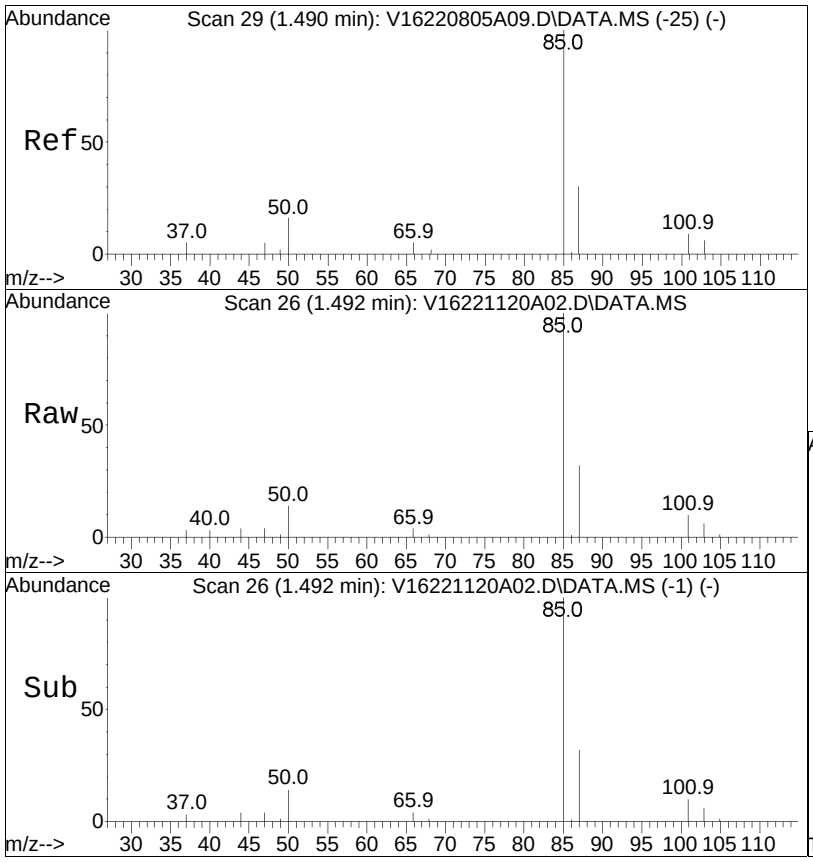
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2022\221120A\
Data File : V16221120A02.D
Acq On : 20 Nov 2022 08:52 am
Operator : VOA116:NLK
Sample : WG1714765-4,31,10,10
Misc : WG1714765,ICAL19484
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 09:57:04 2022
Quant Method : I:\VOLATILES\VOA116\2022\221120A\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

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

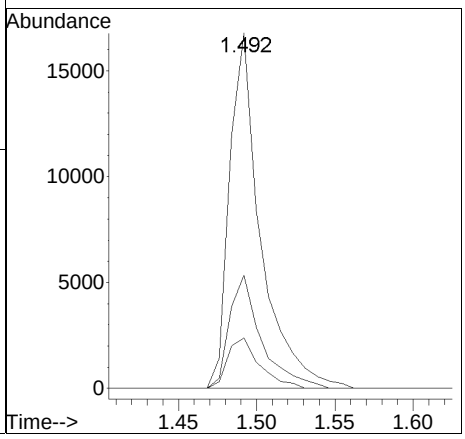


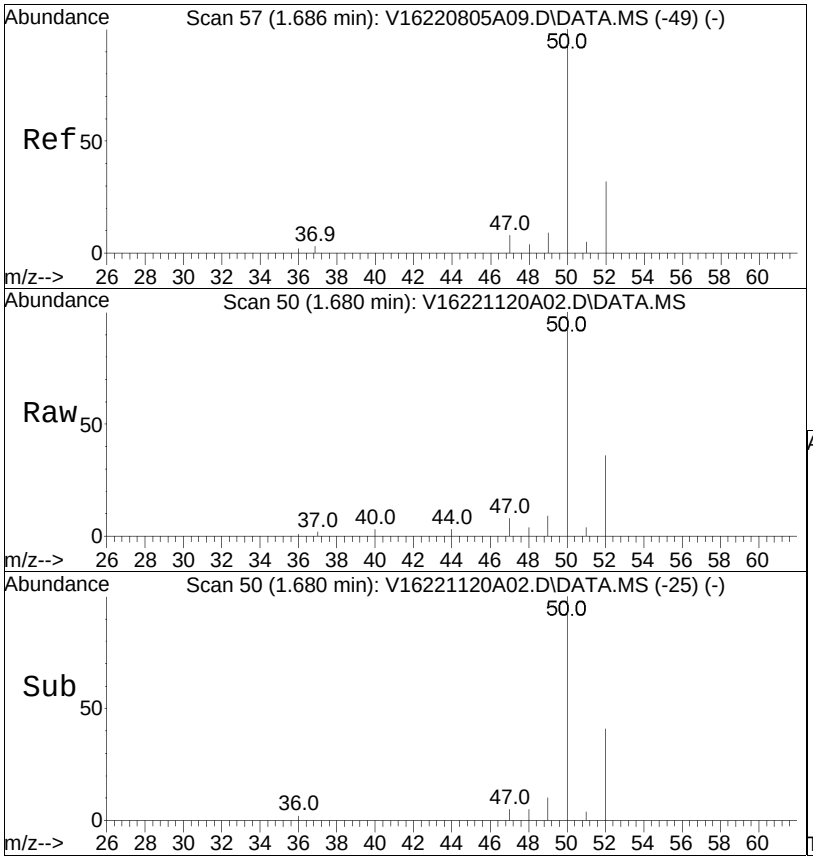


#2
Dichlorodifluoromethane
Concen: 7.58 ug/L
RT: 1.492 min Scan# 26
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 85 Resp: 23250

Ion	Ratio	Lower	Upper
85	100		
87	32.8	21.5	44.6
50	14.7	7.7	16.1

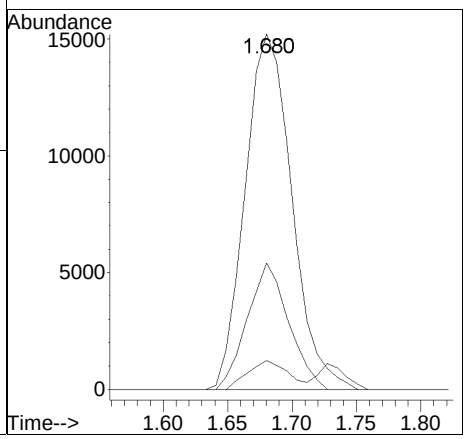


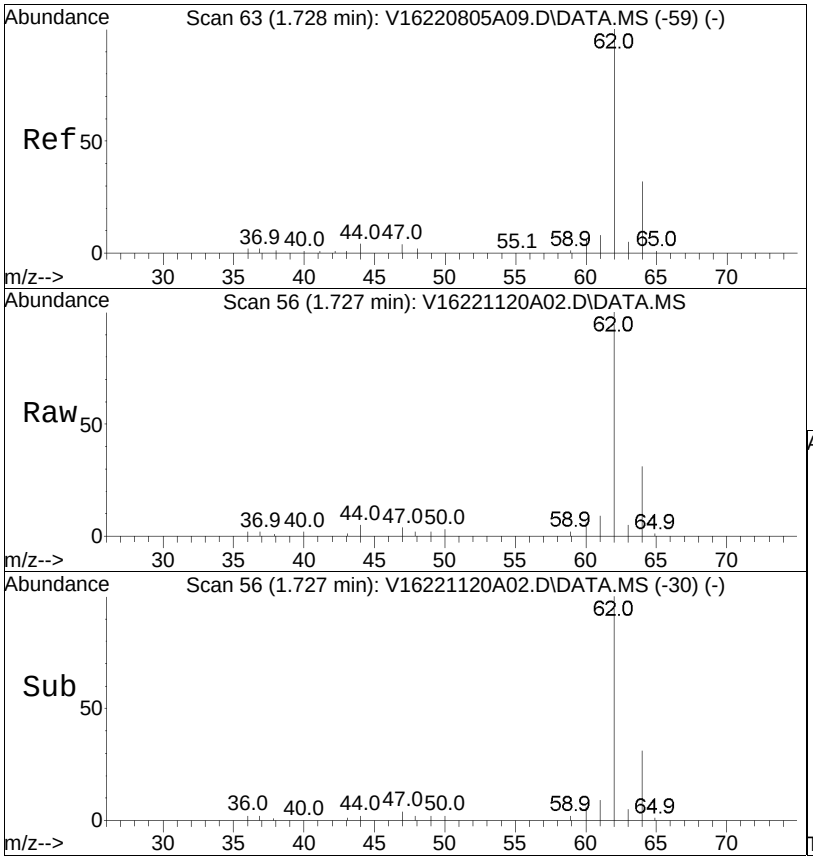


#3
Chloromethane
Concen: 8.40 ug/L
RT: 1.680 min Scan# 50
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 50 Resp: 38354

Ion	Ratio	Lower	Upper
50	100		
52	31.4	14.7	54.7
47	7.1	0.0	28.9

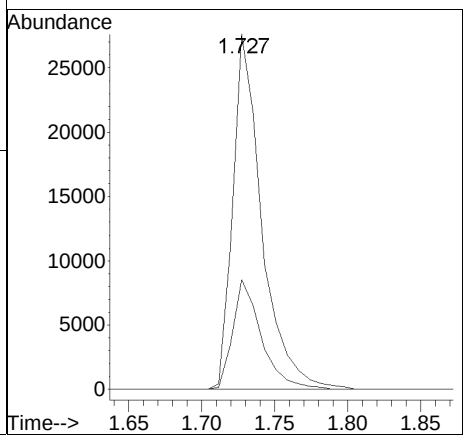


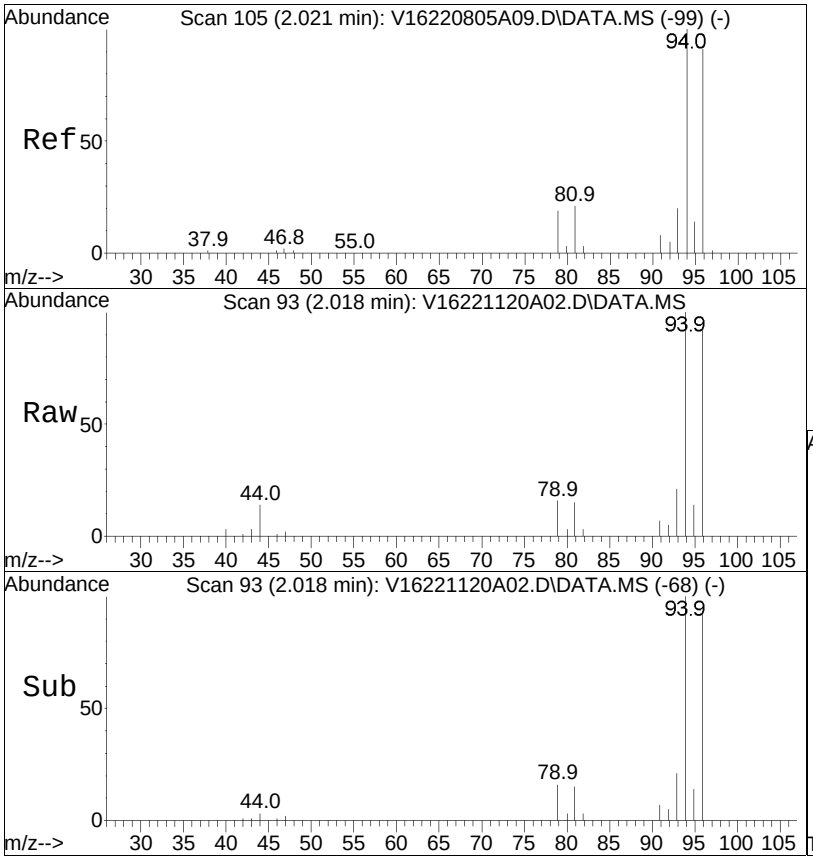


#4
Vinyl chloride
Concen: 8.99 ug/L
RT: 1.727 min Scan# 56
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 62 Resp: 38187

Ion	Ratio	Lower	Upper
62	100		
64	30.6	12.7	52.7

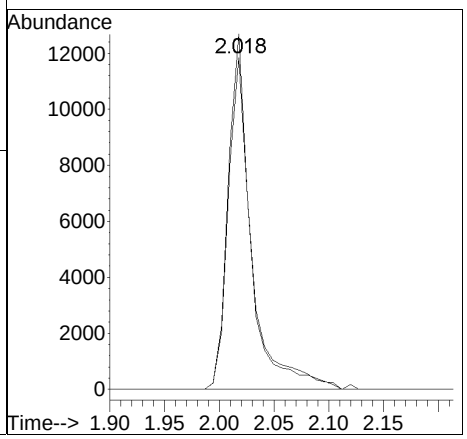


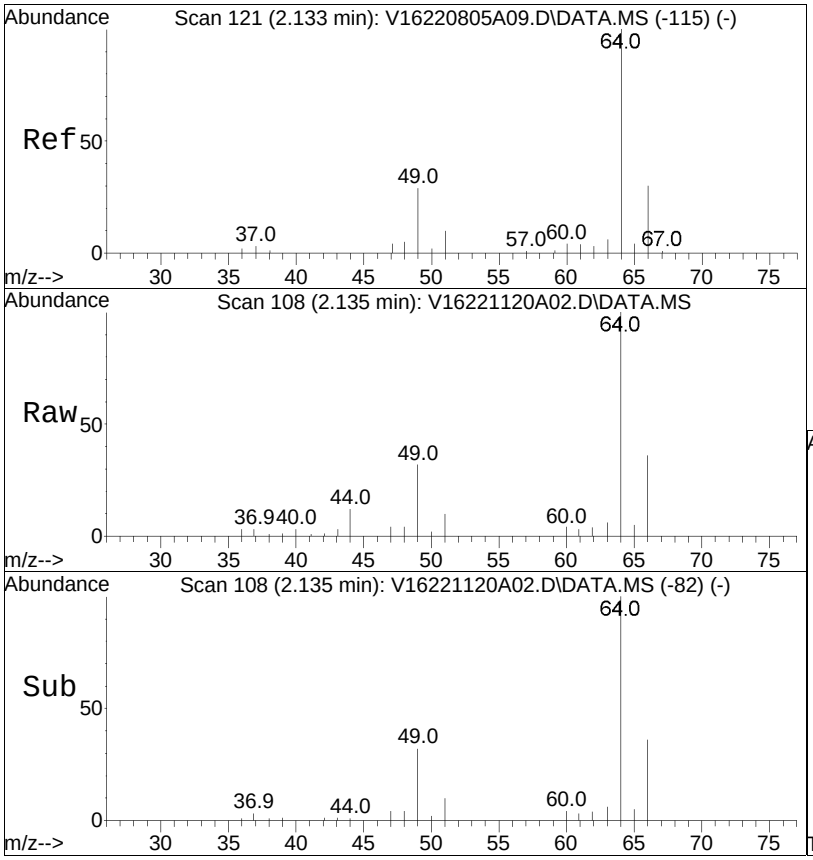


#5
Bromomethane
Concen: 7.03 ug/L
RT: 2.018 min Scan# 93
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 94 Resp: 18909

Ion	Ratio	Lower	Upper
94	100		
96	93.3	76.8	116.8

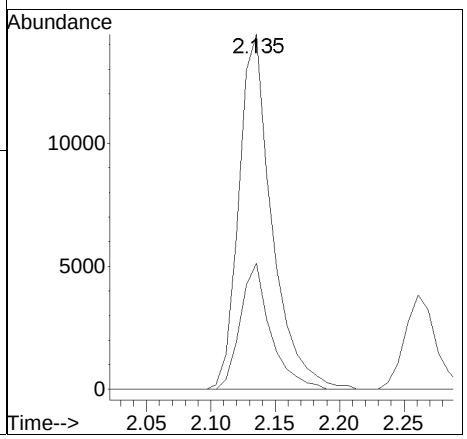


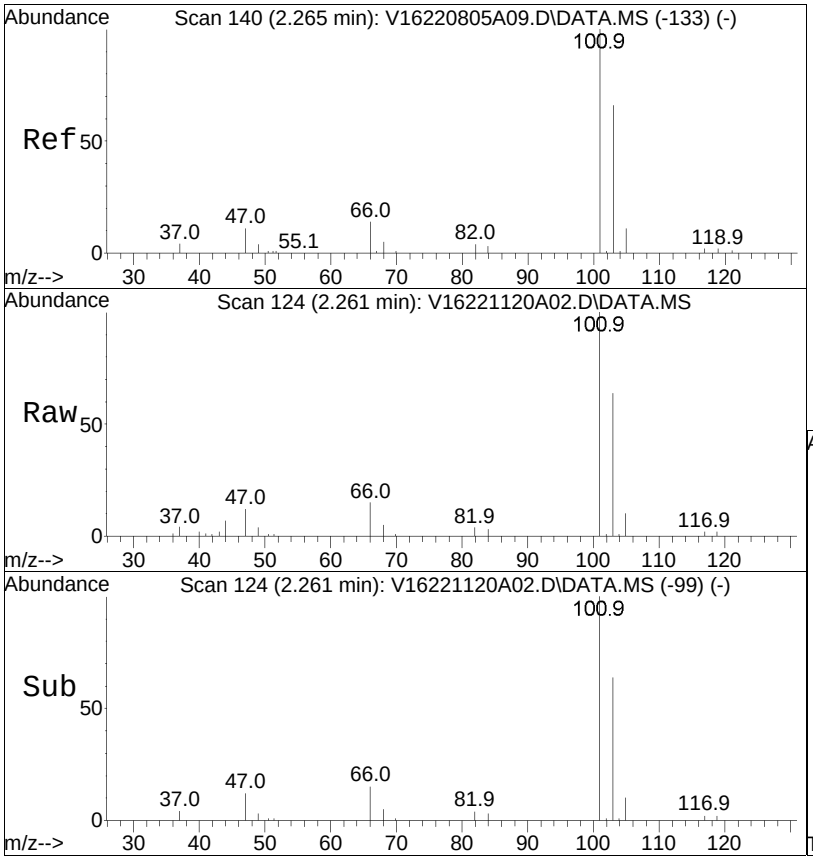


#6
Chloroethane
Concen: 9.75 ug/L
RT: 2.135 min Scan# 108
Delta R.T. 0.007 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 64 Resp: 25829

Ion	Ratio	Lower	Upper
64	100		
66	32.6	12.8	52.8

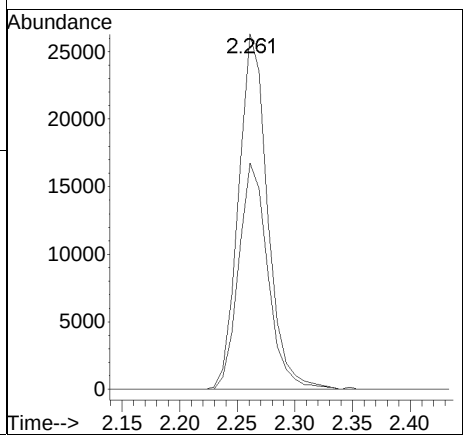


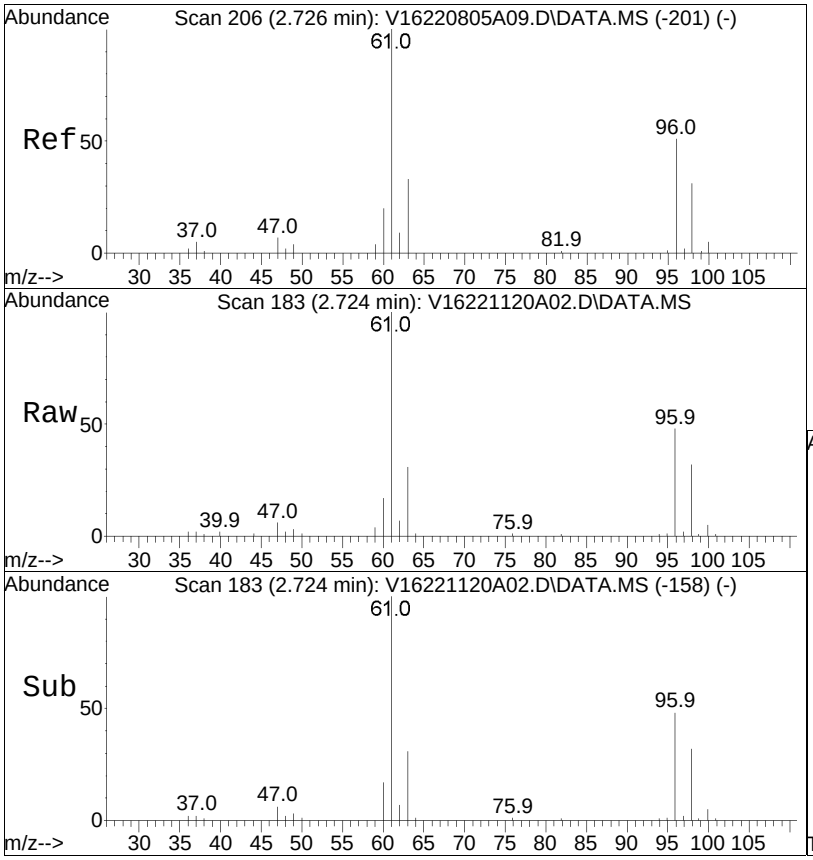


#7
Trichlorofluoromethane
Concen: 9.52 ug/L
RT: 2.261 min Scan# 124
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:101 Resp: 46188

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.4

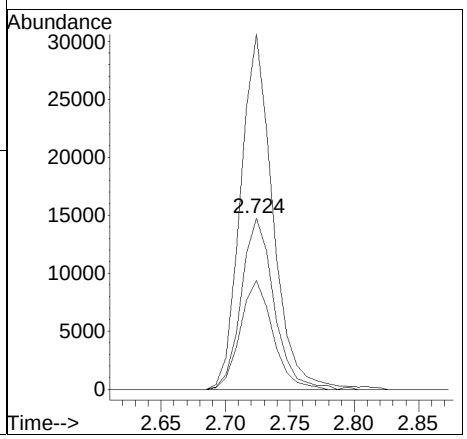


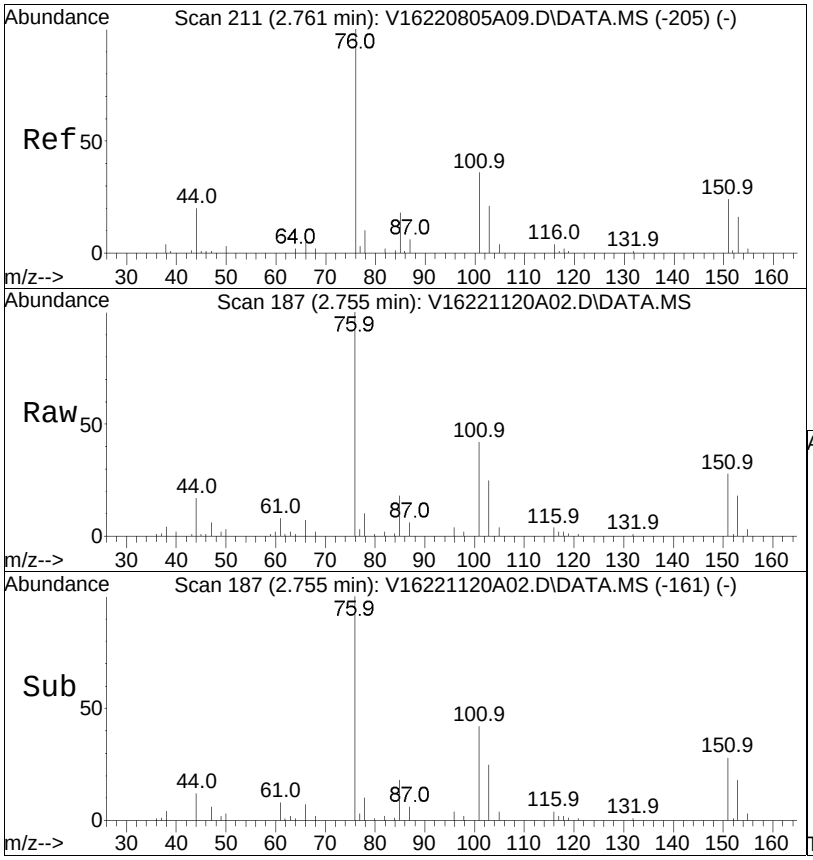


#10
1,1-Dichloroethene
Concen: 8.89 ug/L
RT: 2.724 min Scan# 183
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 96 Resp: 26158

Ion	Ratio	Lower	Upper
96	100		
61	204.8	144.3	216.5
63	63.3	47.9	71.9

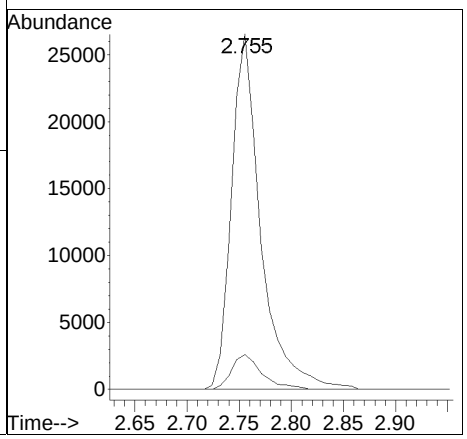


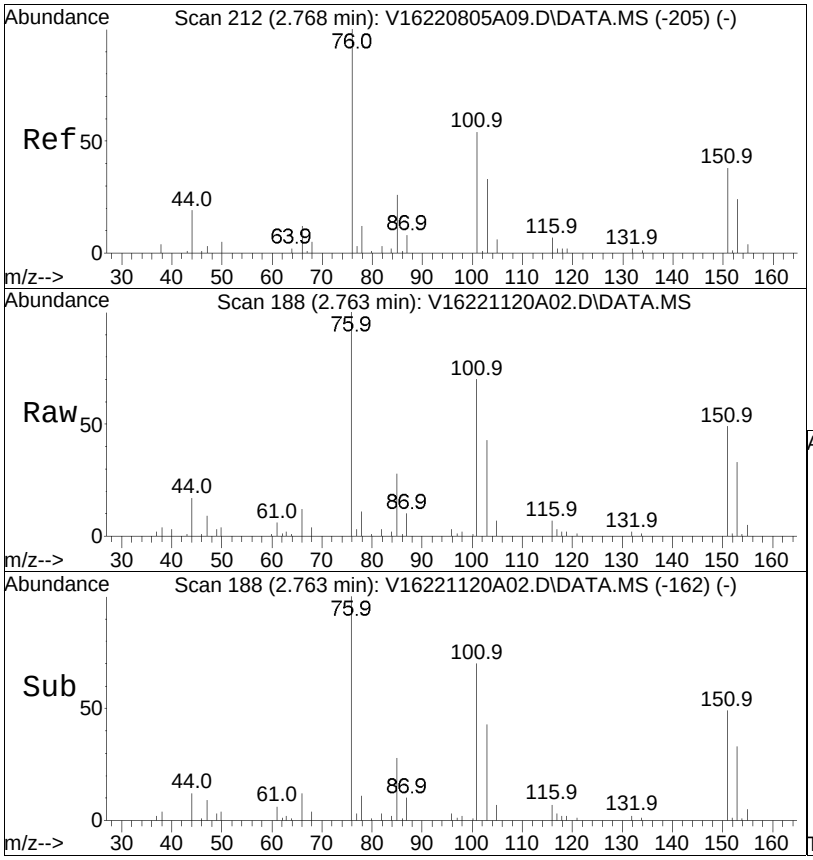


#11
Carbon disulfide
Concen: 9.03 ug/L
RT: 2.755 min Scan# 187
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 76 Resp: 51881

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.0	14.4

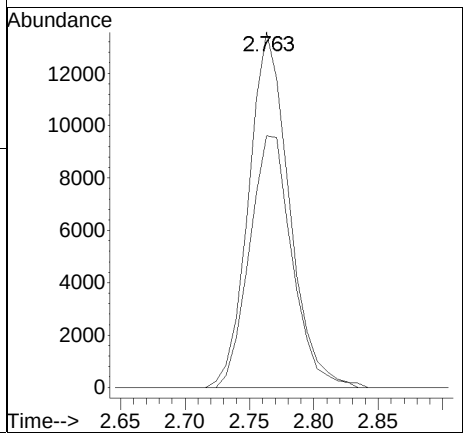


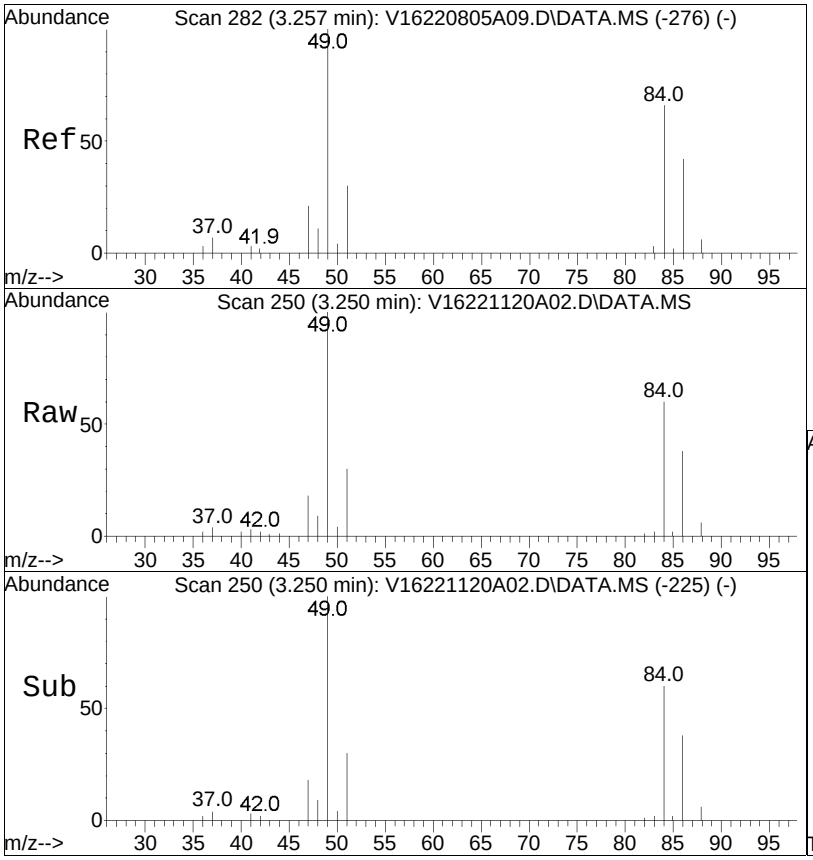


#12
Freon-113
Concen: 8.96 ug/L
RT: 2.763 min Scan# 188
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:101 Resp: 29658

Ion	Ratio	Lower	Upper
101	100		
151	74.7	65.2	97.8

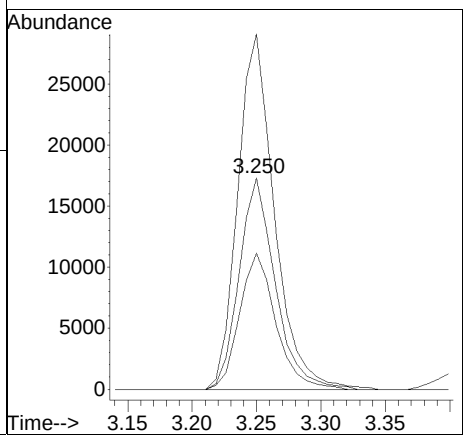


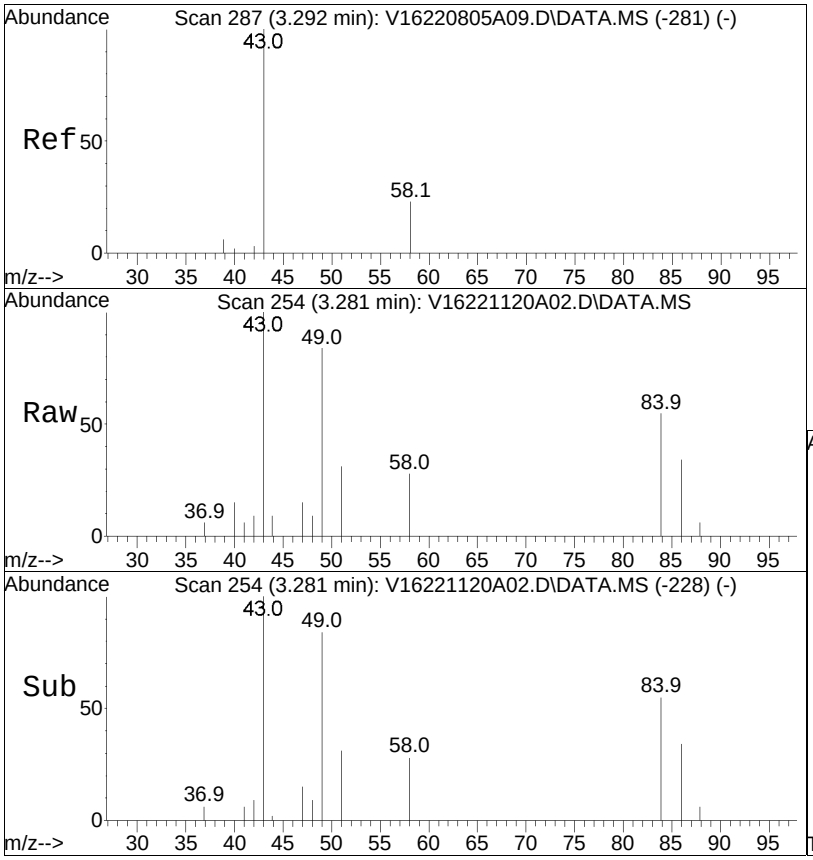


#15
Methylene chloride
Concen: 9.90 ug/L
RT: 3.250 min Scan# 250
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 84 Resp: 33723

Ion	Ratio	Lower	Upper
84	100		
86	64.6	41.0	85.0
49	170.7	78.5	163.1#

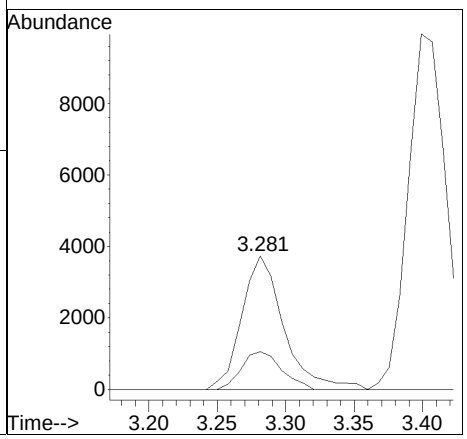


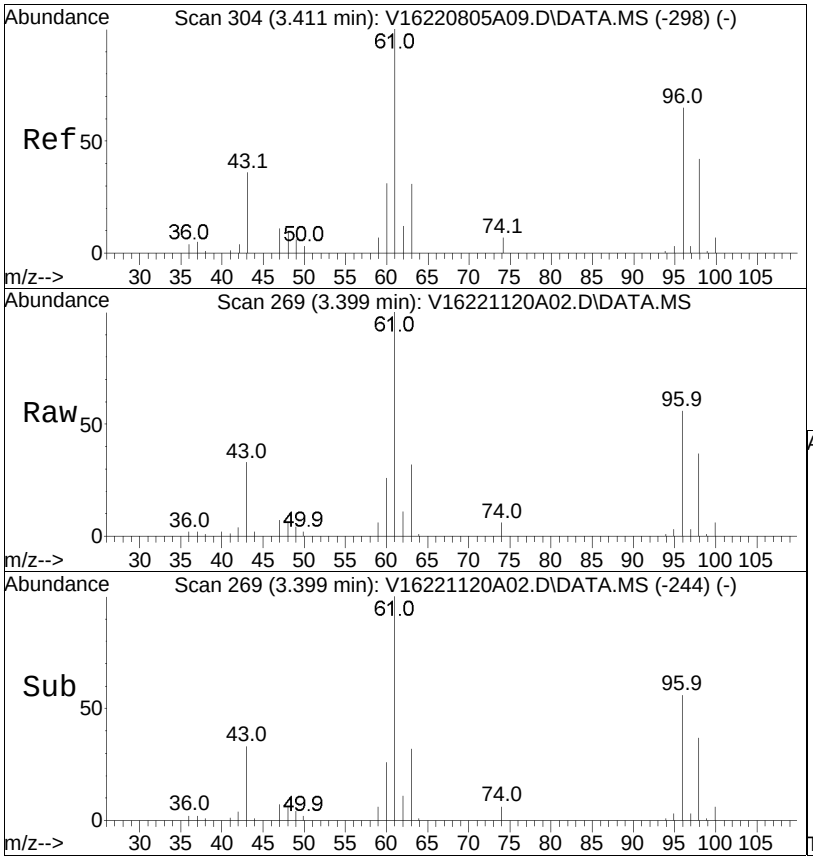


#17
Acetone
Concen: 8.24 ug/L
RT: 3.281 min Scan# 254
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 43 Resp: 7985

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.1	31.7

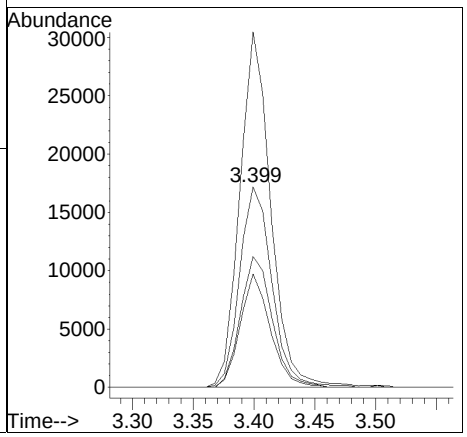


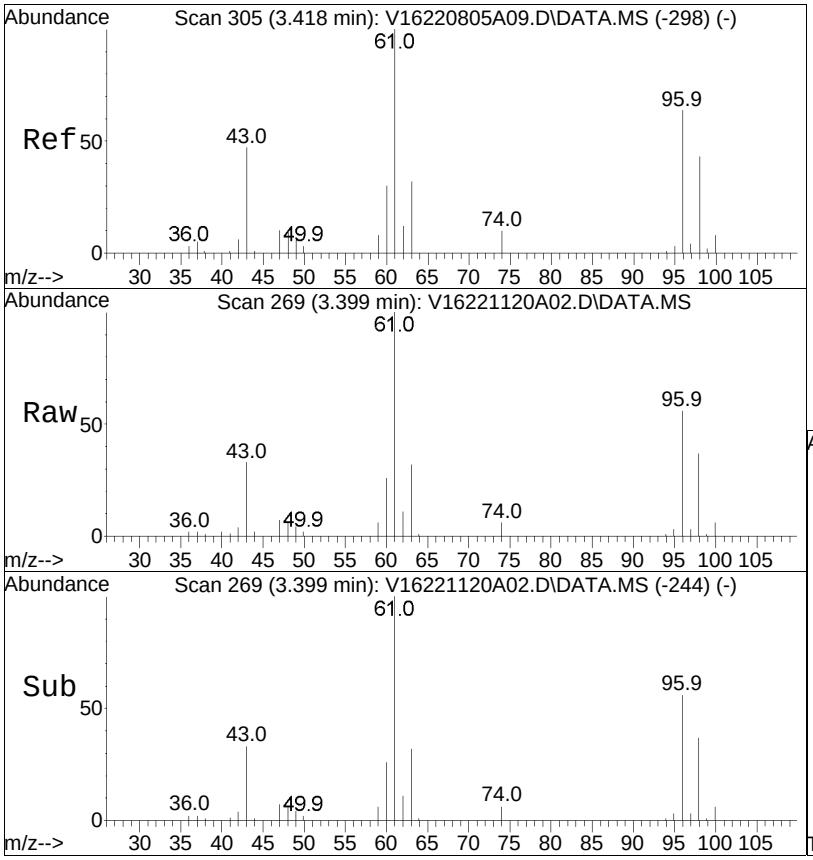


#18
trans-1,2-Dichloroethene
Concen: 9.67 ug/L
RT: 3.399 min Scan# 269
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 96 Resp: 31781

Ion	Ratio	Lower	Upper
96	100		
61	170.6	92.6	192.4
98	64.4	41.1	85.5
63	52.7	28.6	59.4

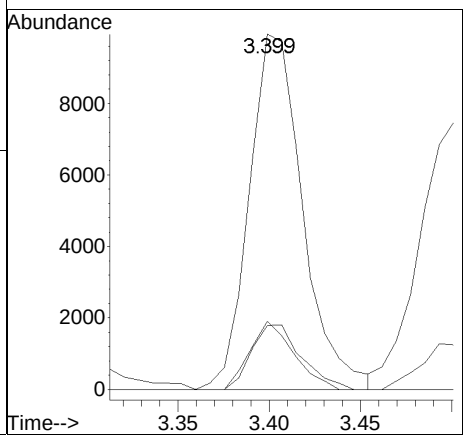


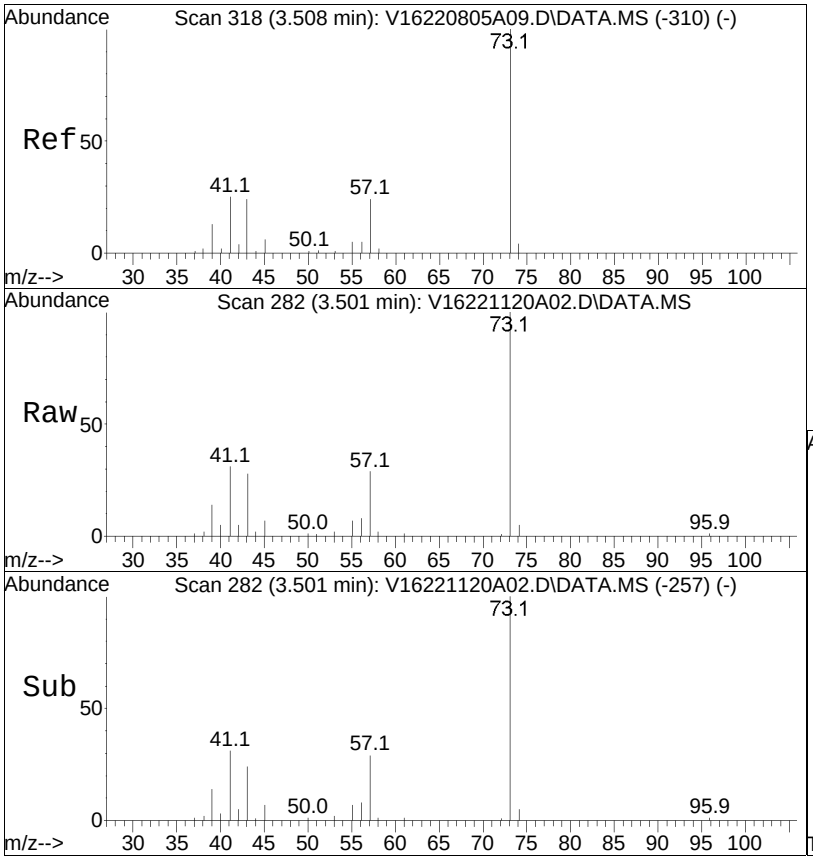


#19
Methyl acetate
Concen: 9.65 ug/L
RT: 3.399 min Scan# 269
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 43 Resp: 20235

Ion	Ratio	Lower	Upper
43	100		
74	16.9	19.7	29.5#
59	15.7	19.7	29.5#

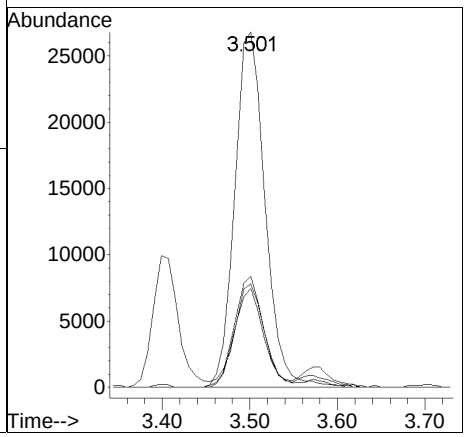


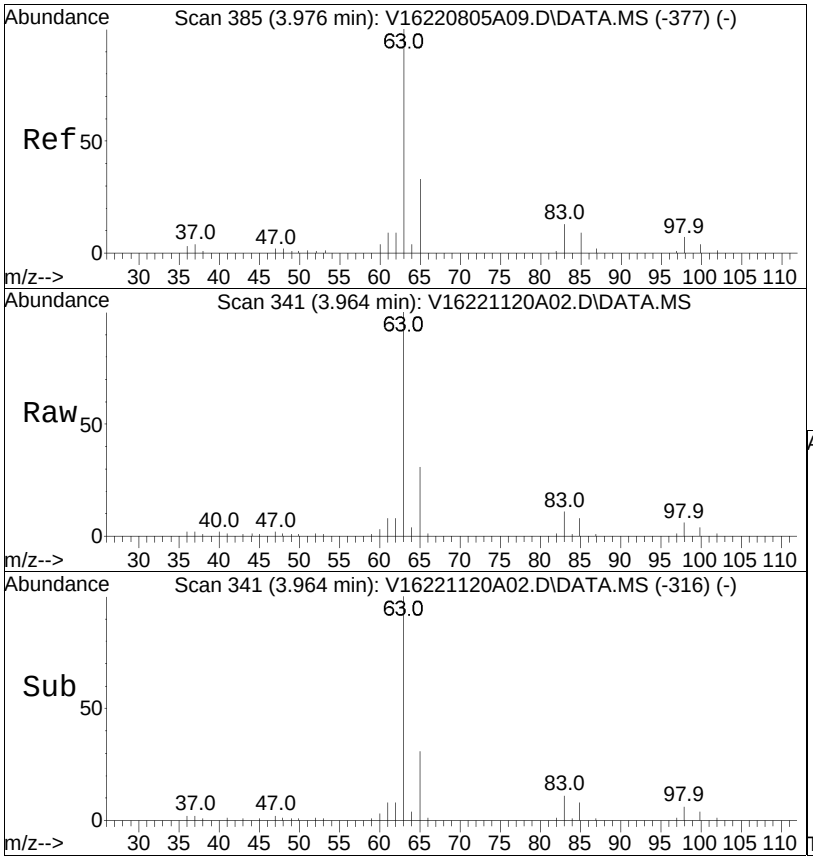


#21
Methyl tert-butyl ether
Concen: 8.92 ug/L
RT: 3.501 min Scan# 282
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 73 Resp: 64889

Ion	Ratio	Lower	Upper
73	100		
57	28.3	12.2	25.2#
43	27.2	15.1	31.5
41	30.4	12.0	24.8#

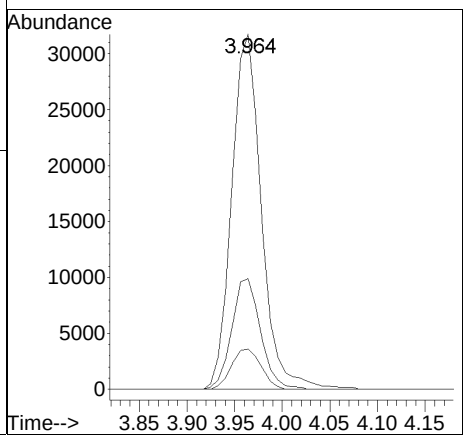


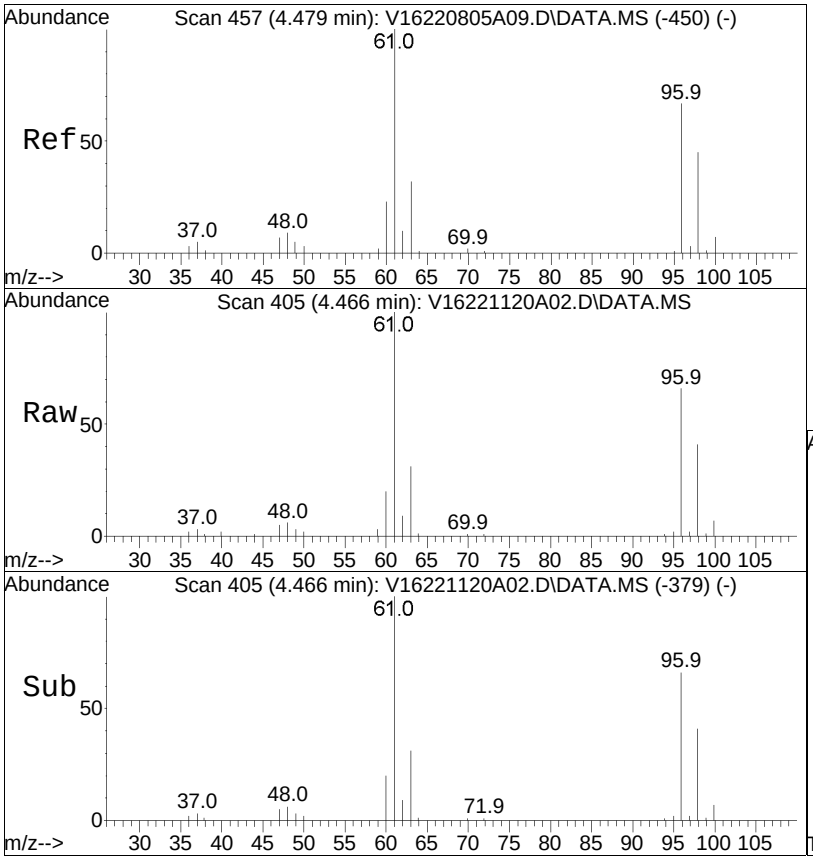


#25
1,1-Dichloroethane
Concen: 9.71 ug/L
RT: 3.964 min Scan# 341
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 63 Resp: 69011

Ion	Ratio	Lower	Upper
63	100		
65	30.3	10.3	50.3
83	11.4	0.0	34.4

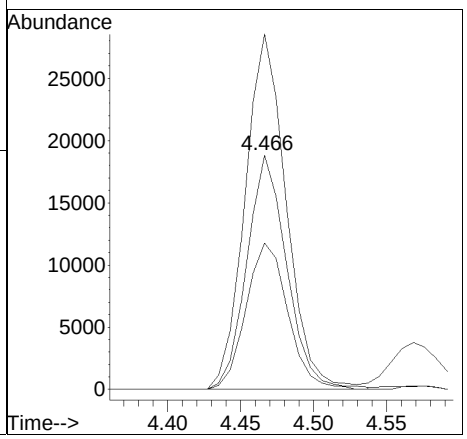


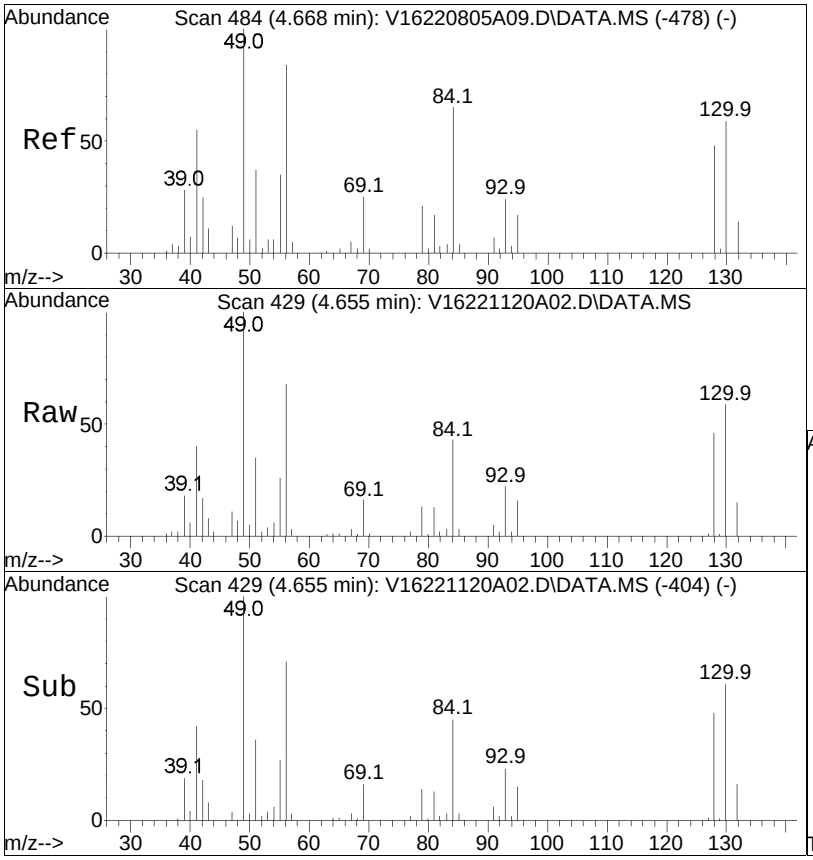


#30
cis-1,2-Dichloroethene
Concen: 9.79 ug/L
RT: 4.466 min Scan# 405
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 96 Resp: 35794

Ion	Ratio	Lower	Upper
96	100		
61	156.2	104.2	156.4
98	65.4	51.4	77.0

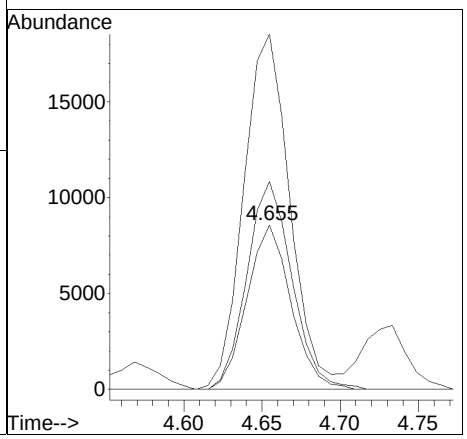


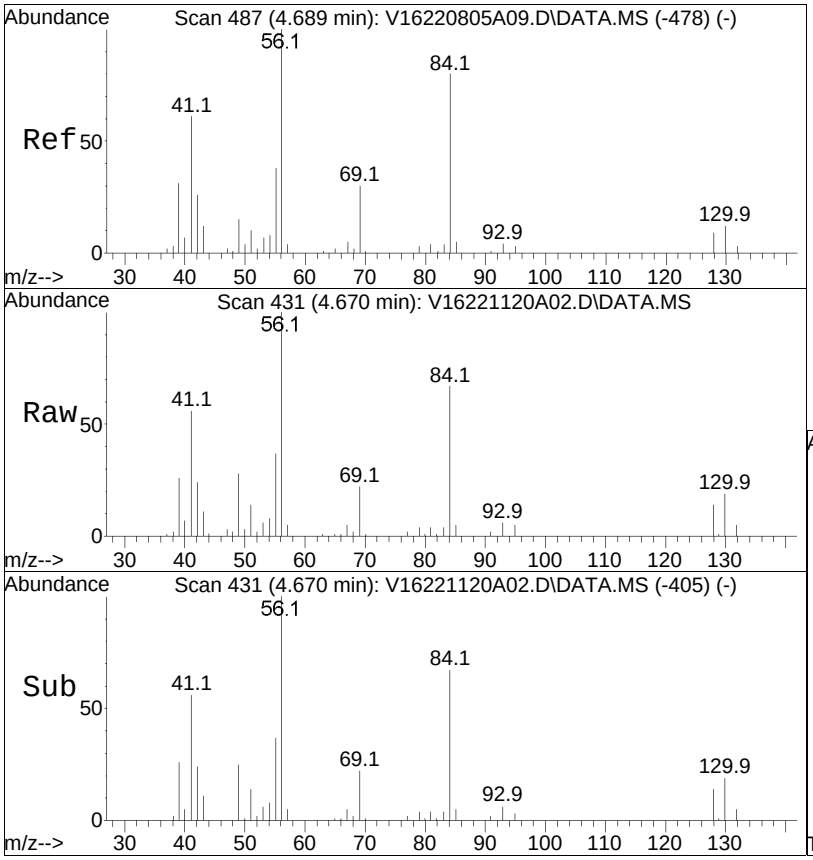


#33
Bromochloromethane
Concen: 11.08 ug/L
RT: 4.655 min Scan# 429
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:128 Resp: 16801

Ion	Ratio	Lower	Upper
128	100		
49	225.1	119.4	179.0#
130	129.5	100.3	150.5

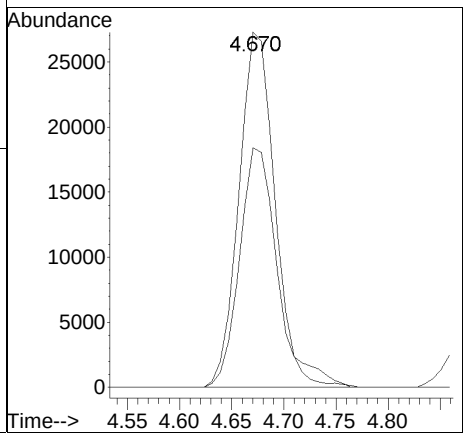


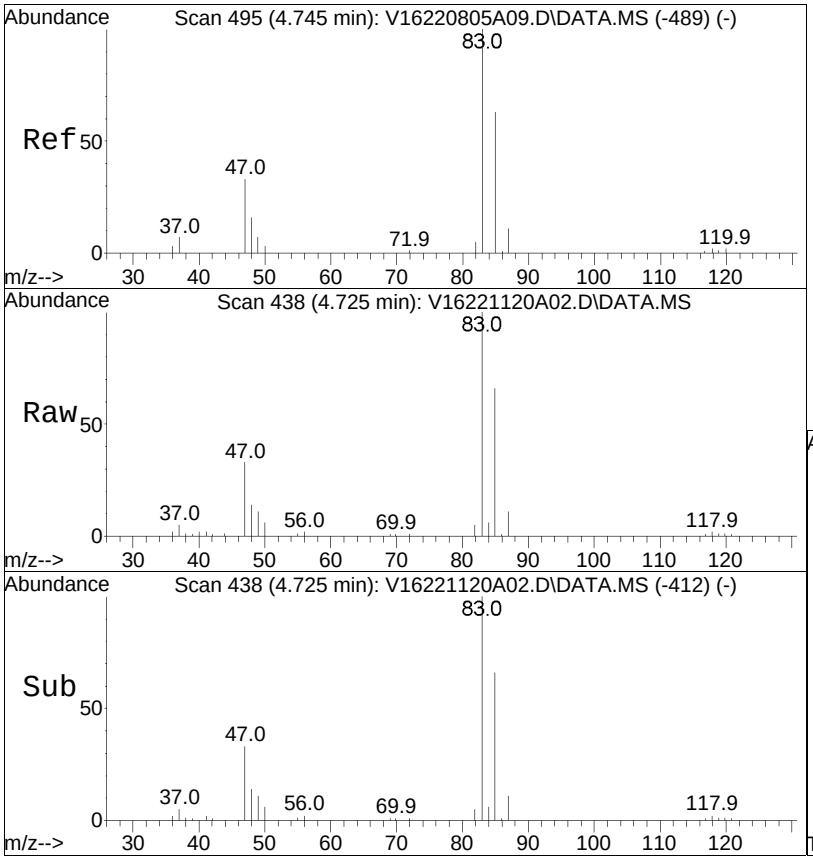


#34
Cyclohexane
Concen: 8.18 ug/L
RT: 4.670 min Scan# 431
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 56 Resp: 65535

Ion	Ratio	Lower	Upper
56	100		
84	71.8	67.0	139.2

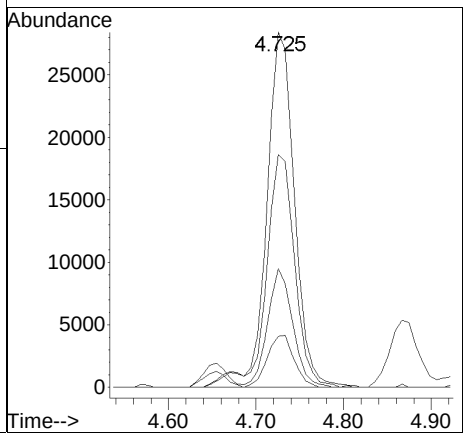


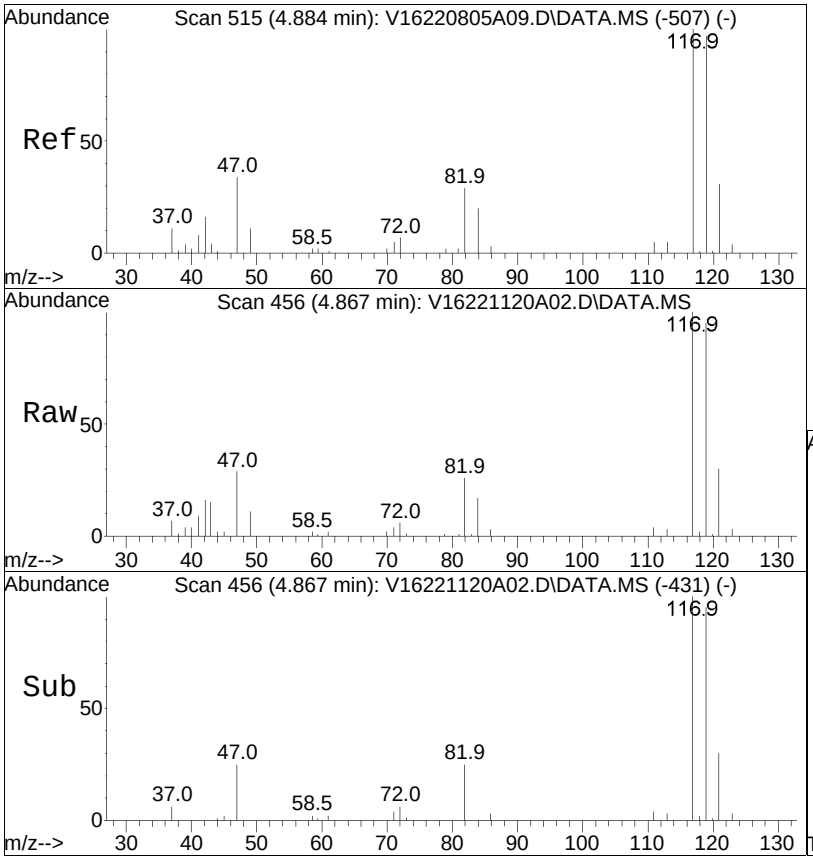


#35
Chloroform
Concen: 9.88 ug/L
RT: 4.725 min Scan# 438
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 83 Resp: 63137

Ion	Ratio	Lower	Upper
83	100		
85	63.8	41.2	85.6
47	30.2	15.1	31.3
48	14.1	7.2	14.9

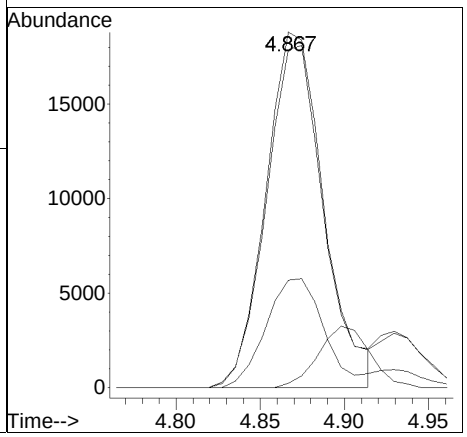


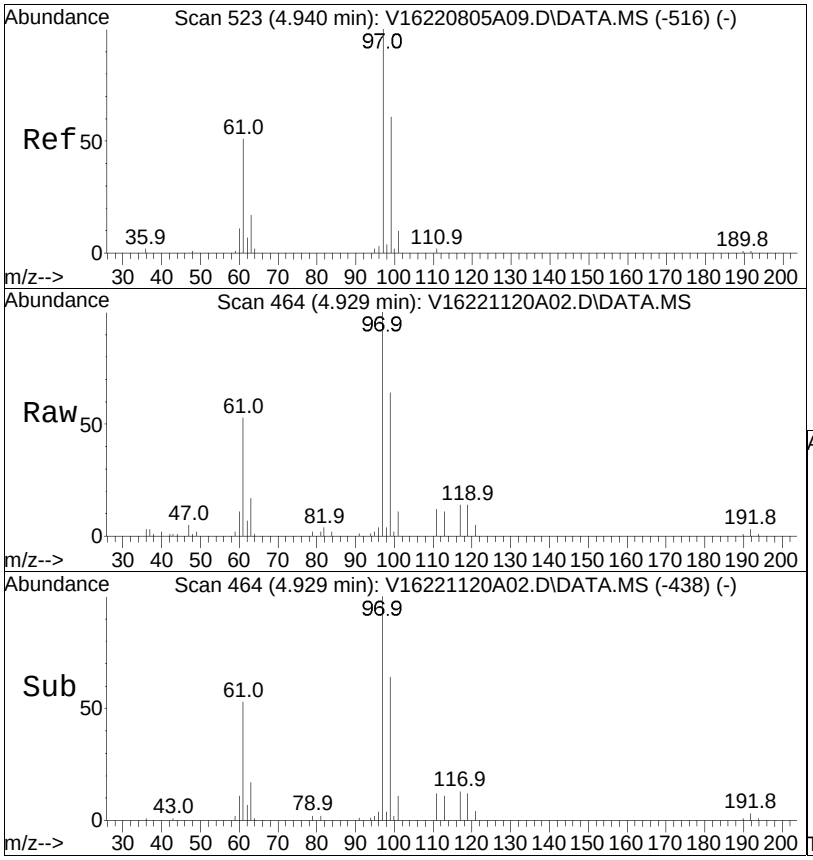


#37
Carbon tetrachloride
Concen: 9.11 ug/L
RT: 4.867 min Scan# 456
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:117 Resp: 44853

Ion	Ratio	Lower	Upper
117	100		
119	95.8	62.1	128.9
121	30.3	20.1	41.7
81	15.3	0.0	0.0#

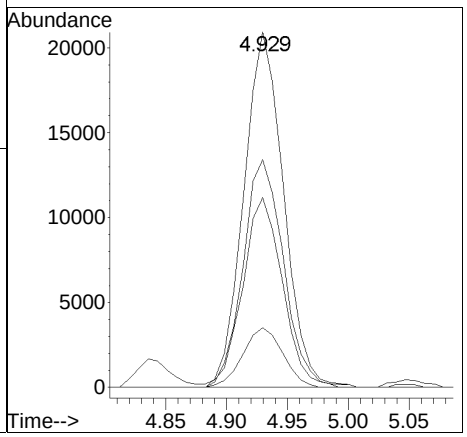


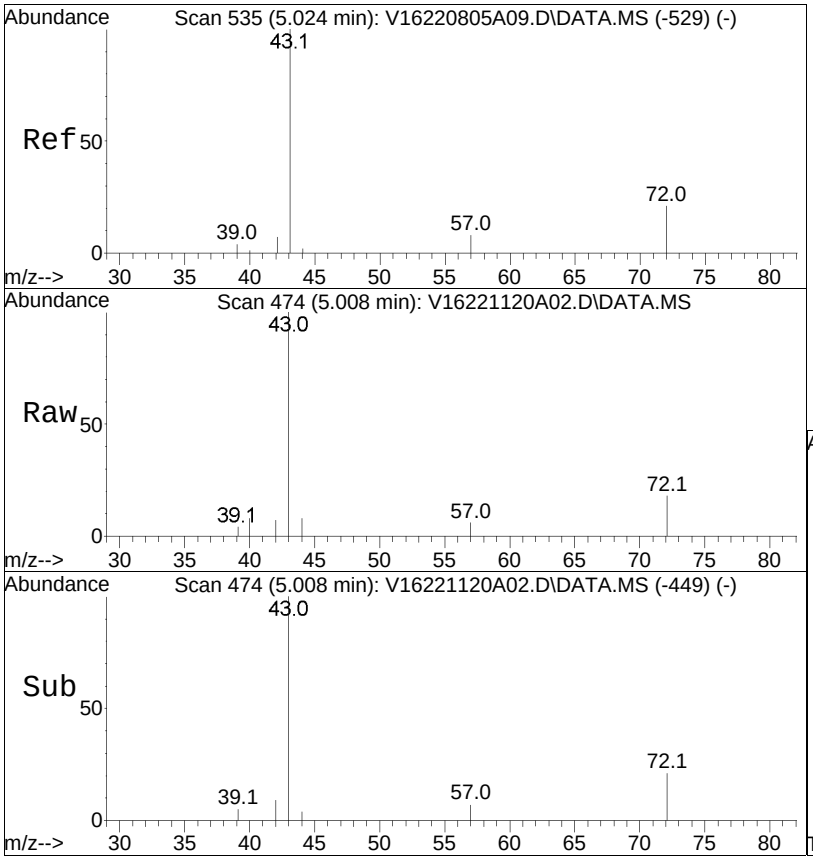


#40
1,1,1-Trichloroethane
Concen: 9.00 ug/L
RT: 4.929 min Scan# 464
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 97 Resp: 47701

Ion	Ratio	Lower	Upper
97	100		
99	65.3	42.8	89.0
61	53.5	26.4	54.8
63	16.9	8.4	17.4

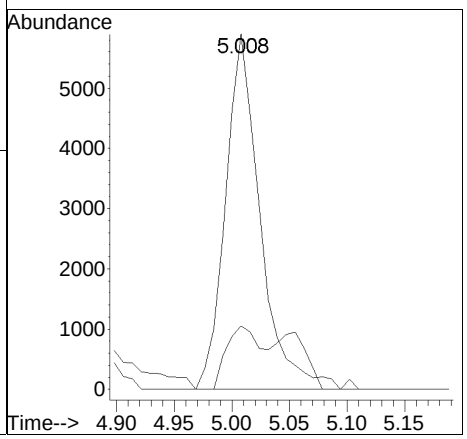


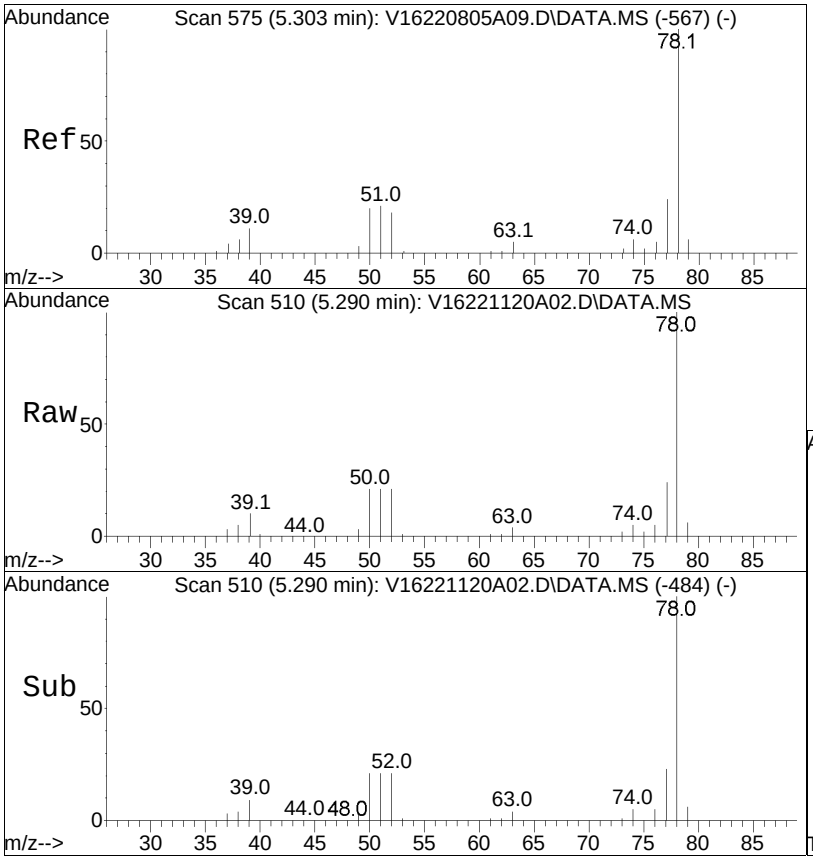


#42
2-Butanone
Concen: 8.83 ug/L
RT: 5.008 min Scan# 474
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 43 Resp: 12403

Ion	Ratio	Lower	Upper
43	100		
72	18.2	51.0	76.4#

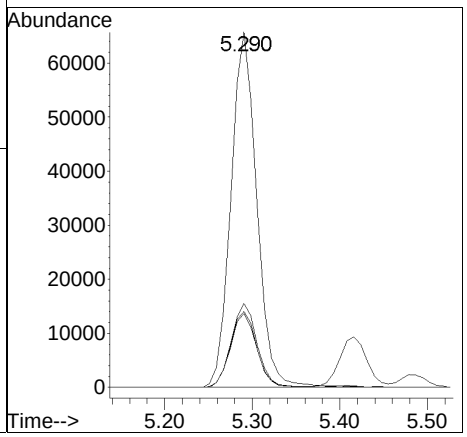


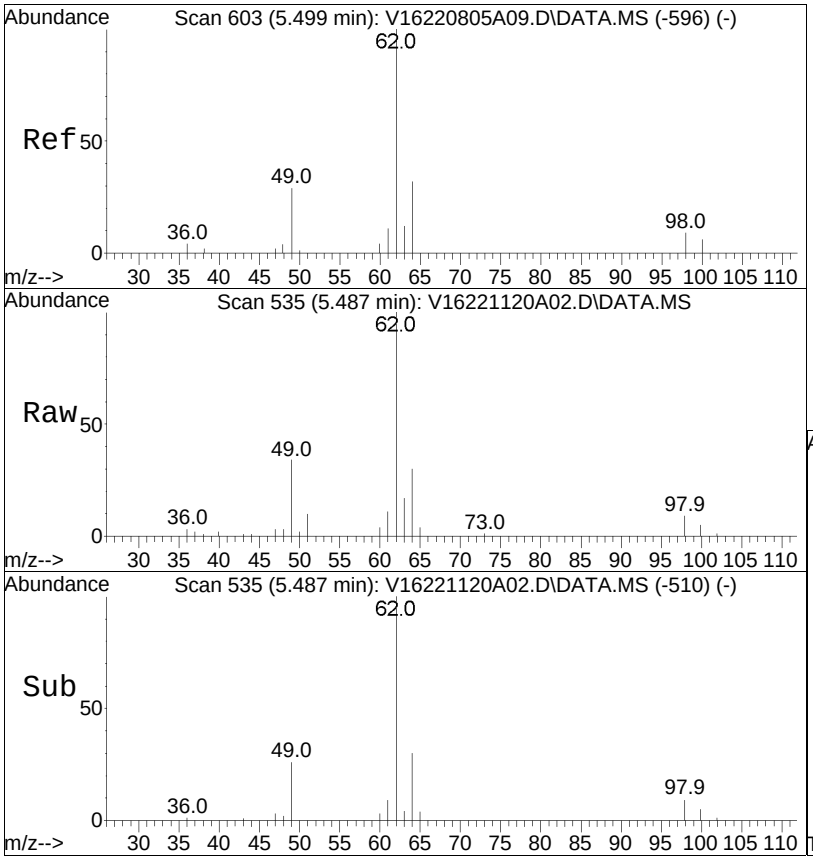


#45
Benzene
Concen: 9.96 ug/L
RT: 5.290 min Scan# 510
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 78 Resp: 135175

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.0	31.2
51	21.8	11.8	24.4
52	21.0	10.1	20.9#

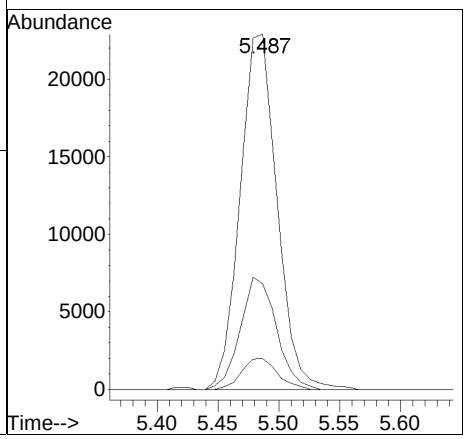


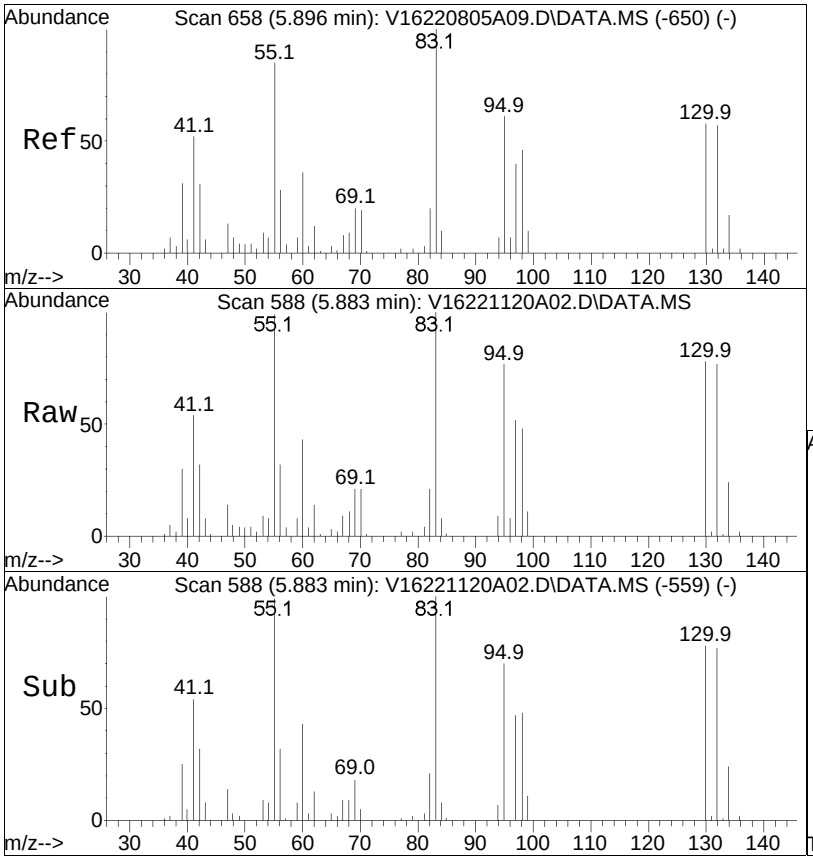


#48
1,2-Dichloroethane
Concen: 9.73 ug/L
RT: 5.487 min Scan# 535
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 62 Resp: 48351

Ion	Ratio	Lower	Upper
62	100		
64	30.9	14.7	54.7
98	8.5	0.0	27.5

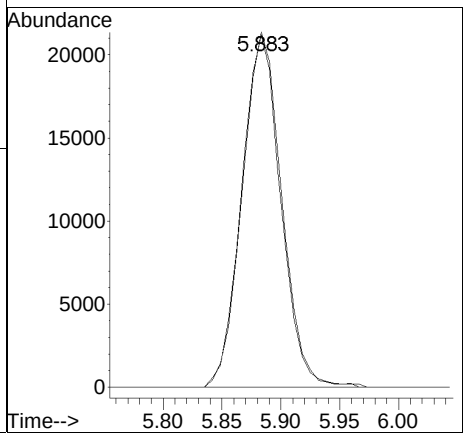


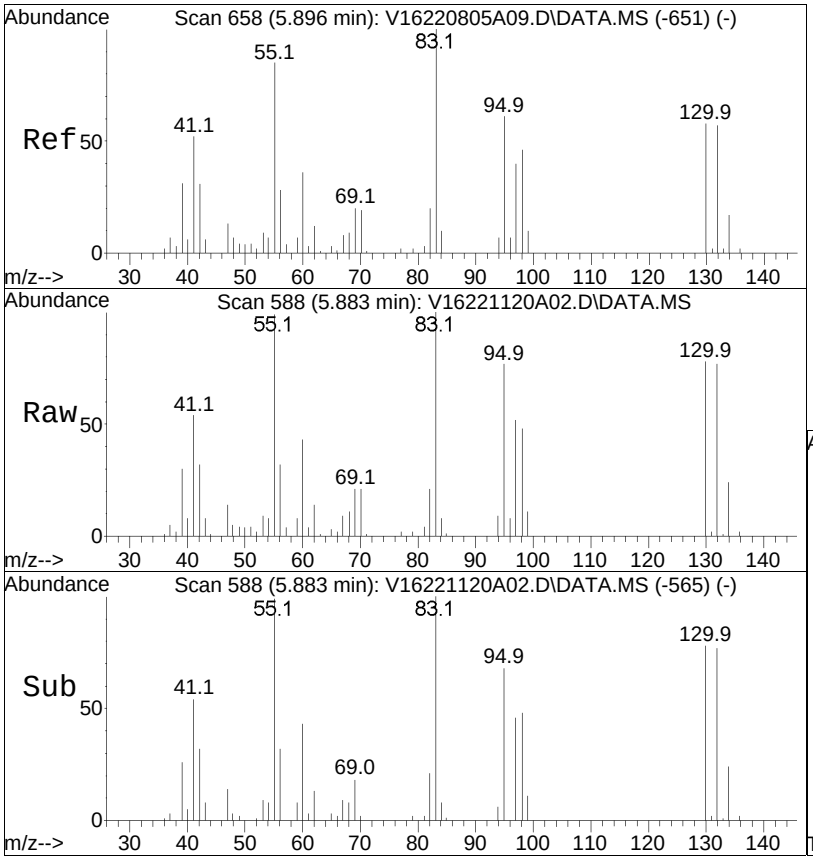


#51
Methyl cyclohexane
Concen: 7.53 ug/L
RT: 5.883 min Scan# 588
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 83 Resp: 49640

Ion	Ratio	Lower	Upper
83	100		
55	98.9	60.9	91.3#

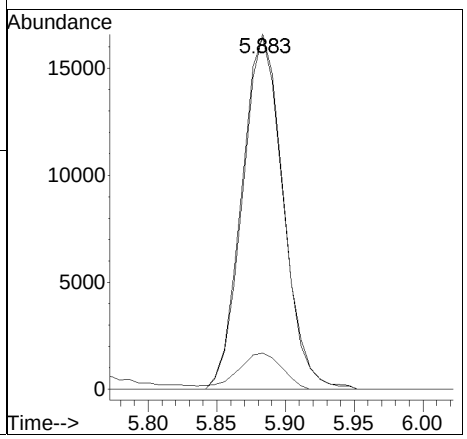


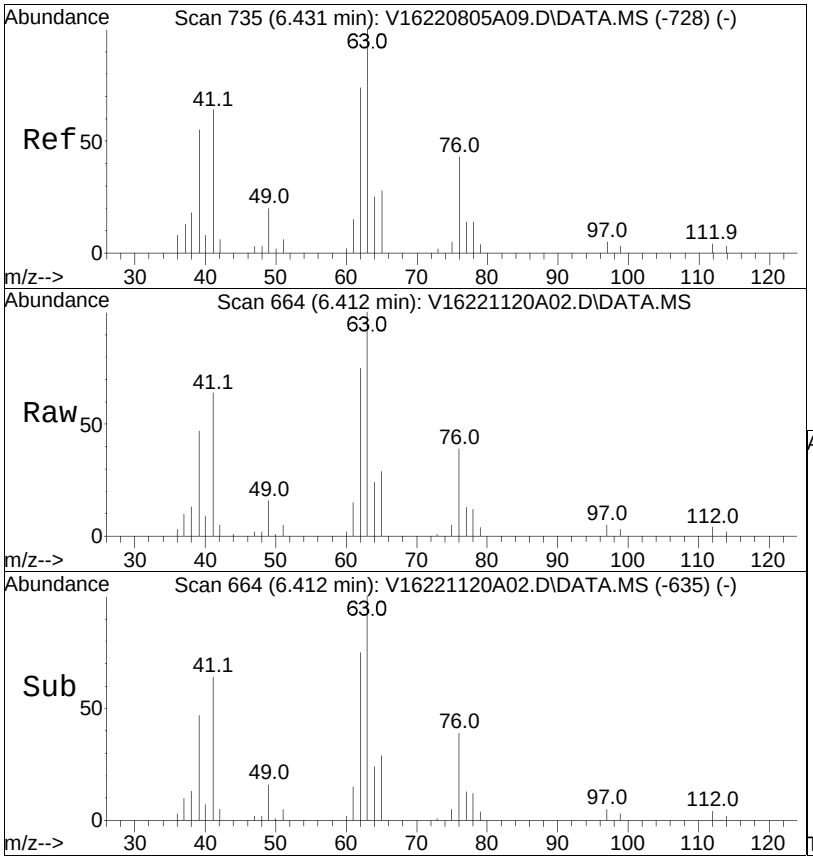


#52
Trichloroethene
Concen: 9.30 ug/L
RT: 5.883 min Scan# 588
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 95 Resp: 34552

Ion	Ratio	Lower	Upper
95	100		
96	11.1	10.2	15.4
130	99.1	78.3	117.5

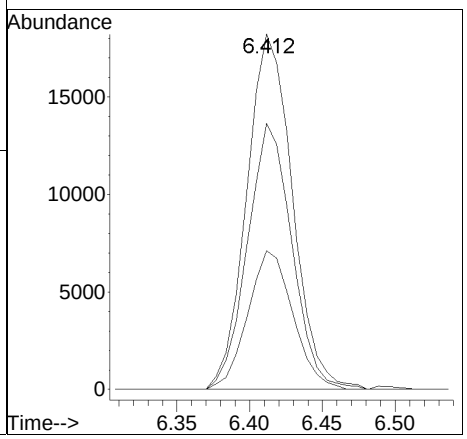


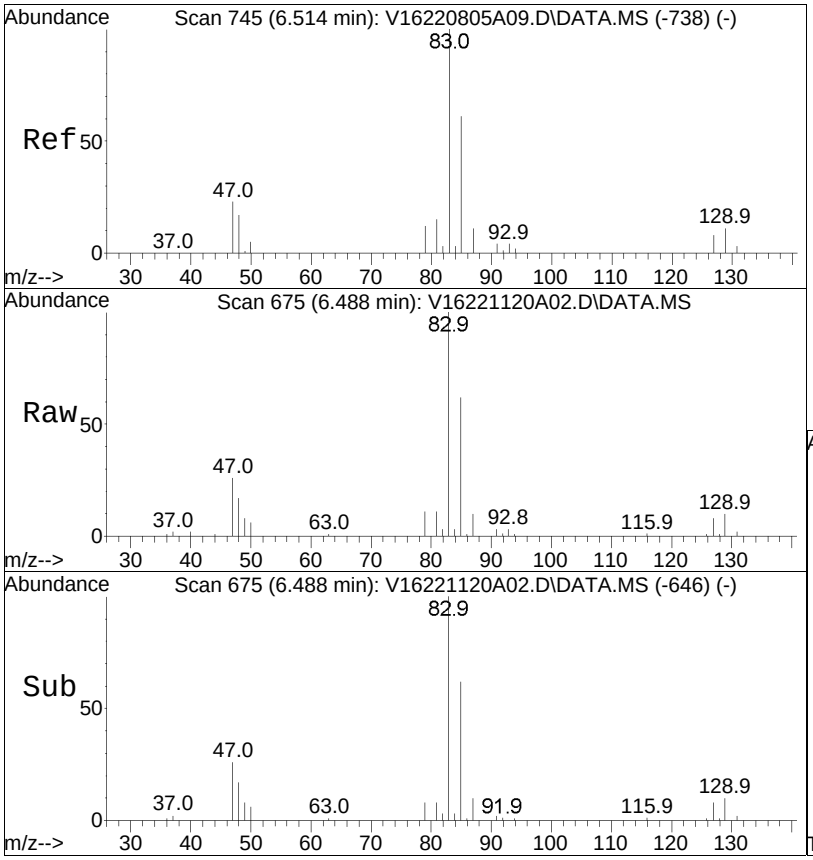


#55
1,2-Dichloropropane
Concen: 9.36 ug/L
RT: 6.412 min Scan# 664
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 63 Resp: 39934

Ion	Ratio	Lower	Upper
63	100		
62	72.7	56.6	85.0
76	38.5	51.2	76.8#

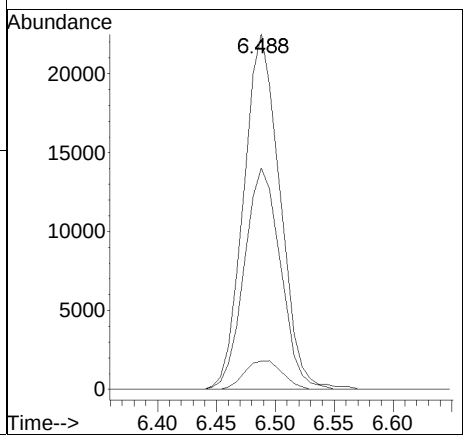


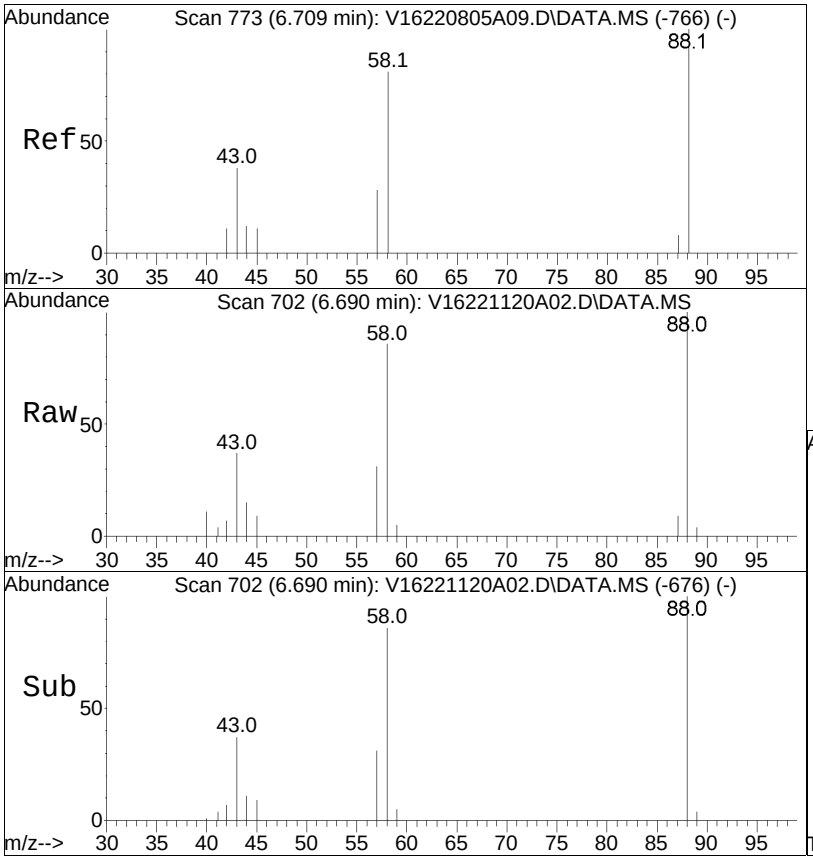


#58
Bromodichloromethane
Concen: 10.13 ug/L
RT: 6.488 min Scan# 675
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 83 Resp: 42850

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.7	77.5
127	8.7	6.6	10.0

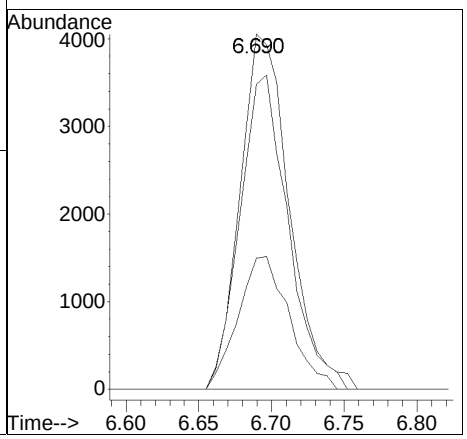


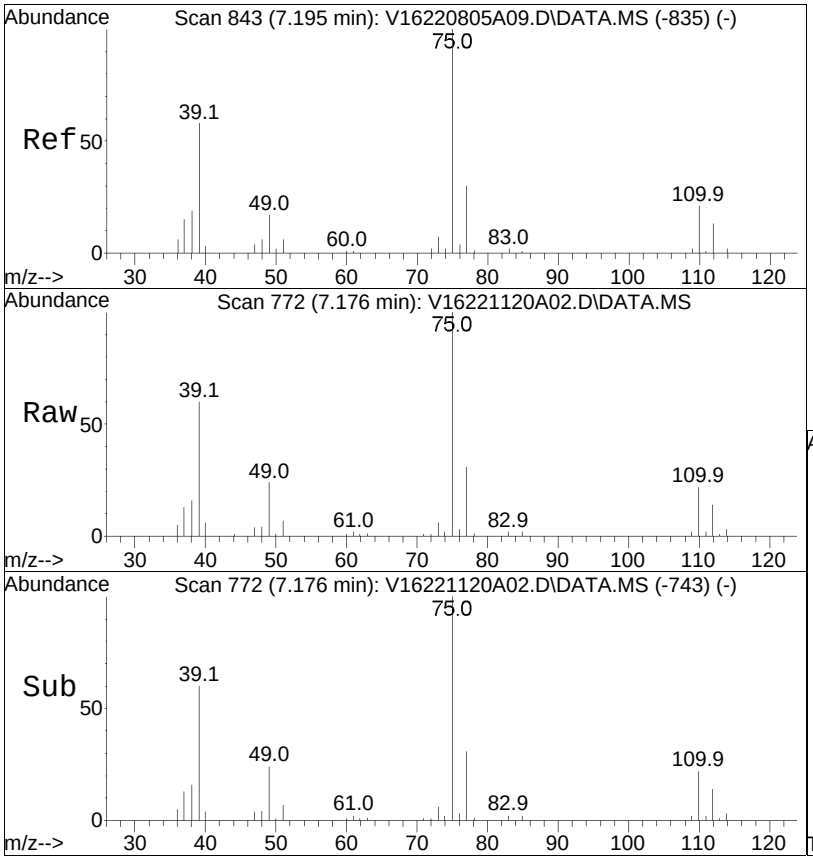


#61
1,4-Dioxane
Concen: 478.81 ug/L
RT: 6.690 min Scan# 702
Delta R.T. -0.007 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 88 Resp: 9581

Ion	Ratio	Lower	Upper
88	100		
58	86.2	53.8	80.6#
43	38.7	21.1	31.7#

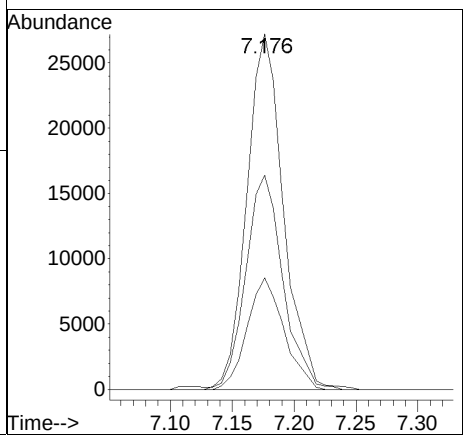


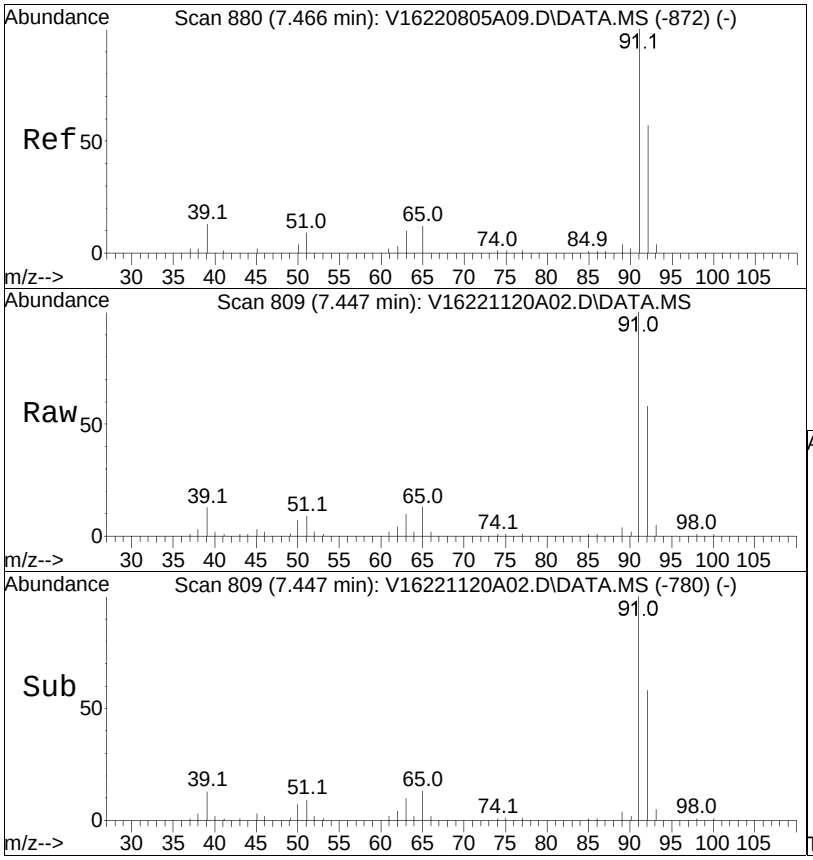


#62
cis-1,3-Dichloropropene
Concen: 9.49 ug/L
RT: 7.176 min Scan# 772
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 75 Resp: 58350

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.7	38.5
39	62.5	43.0	64.4

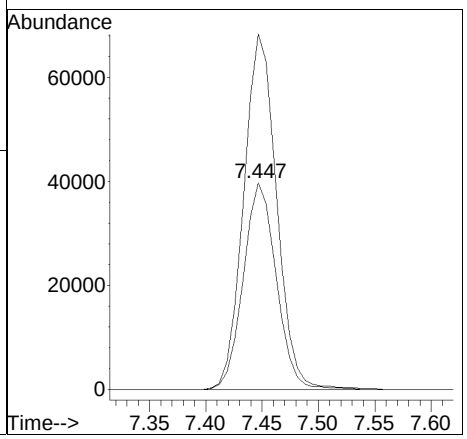


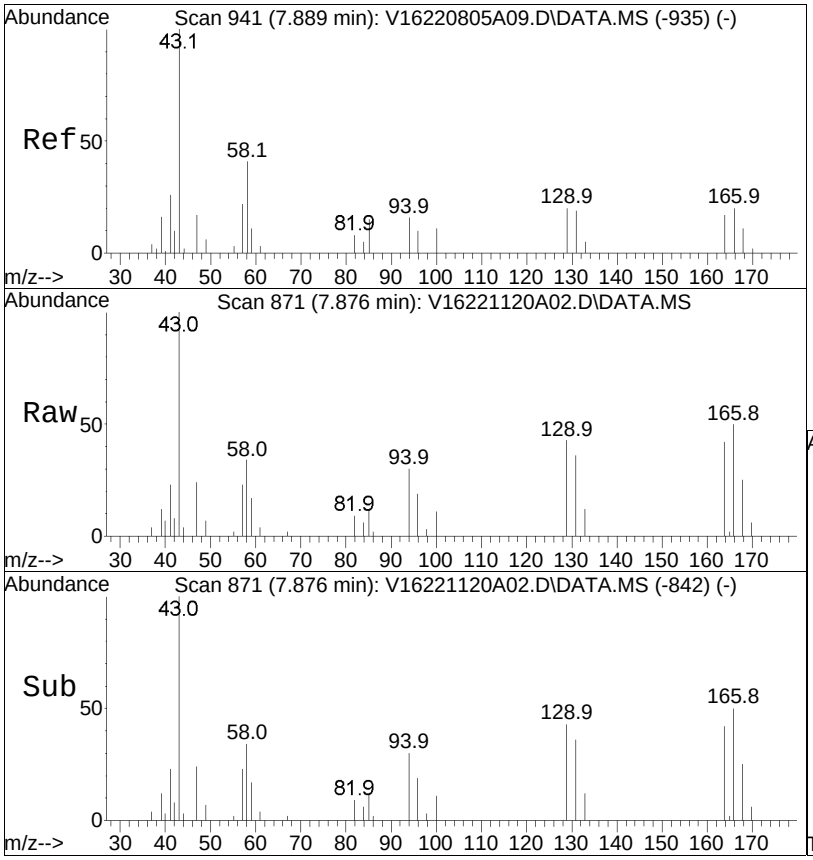


#65
Toluene
Concen: 9.25 ug/L
RT: 7.447 min Scan# 809
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 92 Resp: 80653

Ion	Ratio	Lower	Upper
92	100		
91	172.2	132.8	199.2

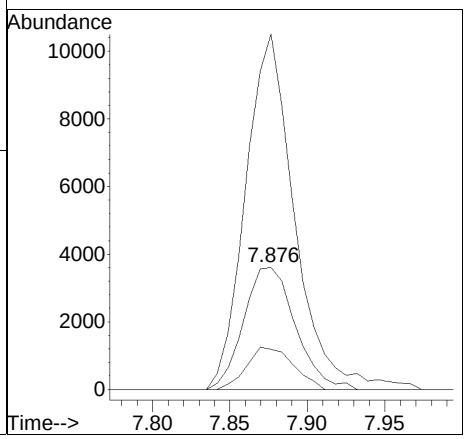


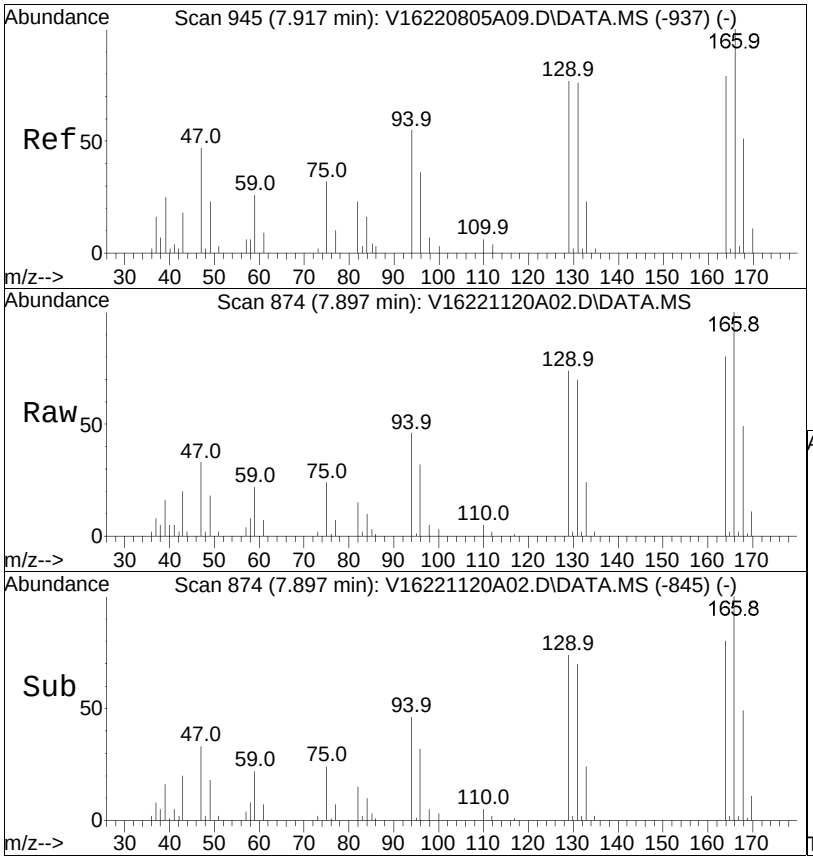


#66
4-Methyl-2-pentanone
Concen: 7.61 ug/L
RT: 7.876 min Scan# 871
Delta R.T. -0.001 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 58 Resp: 8382

Ion	Ratio	Lower	Upper
58	100		
100	31.2	38.6	57.8#
43	277.3	214.4	321.6

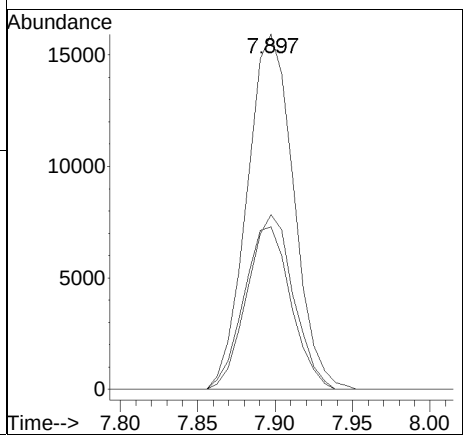


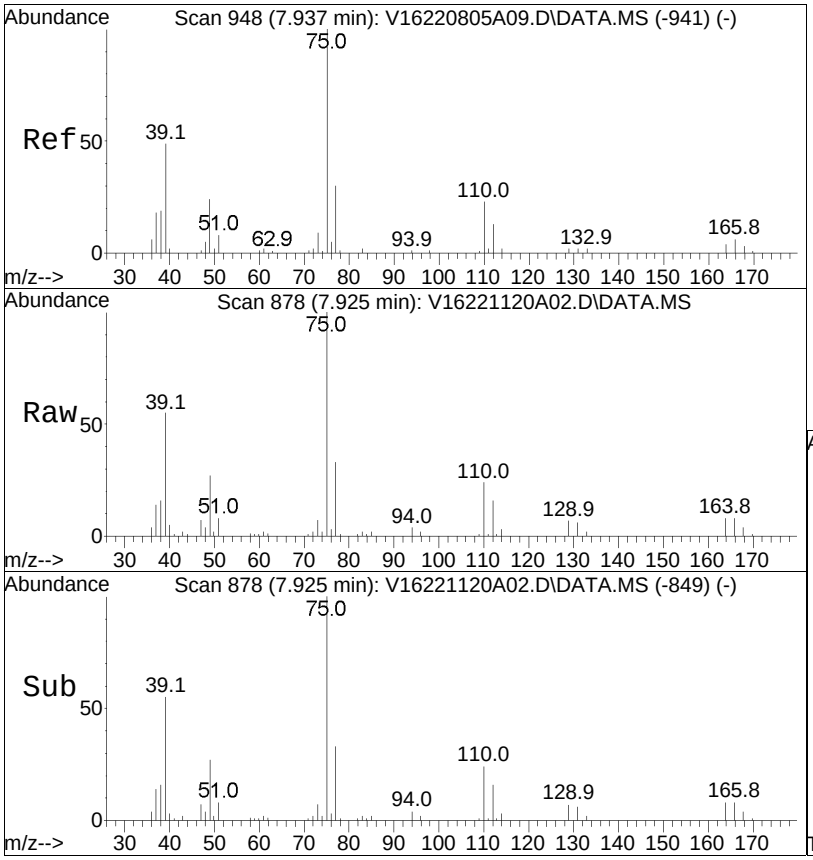


#67
Tetrachloroethene
Concen: 8.78 ug/L
RT: 7.897 min Scan# 874
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:166 Resp: 33379

Ion	Ratio	Lower	Upper
166	100		
168	48.4	26.7	66.7
94	46.3	33.3	73.3

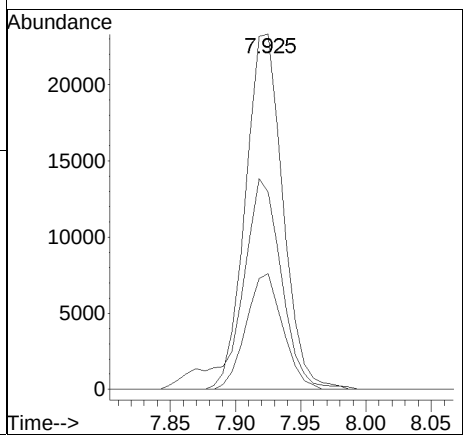


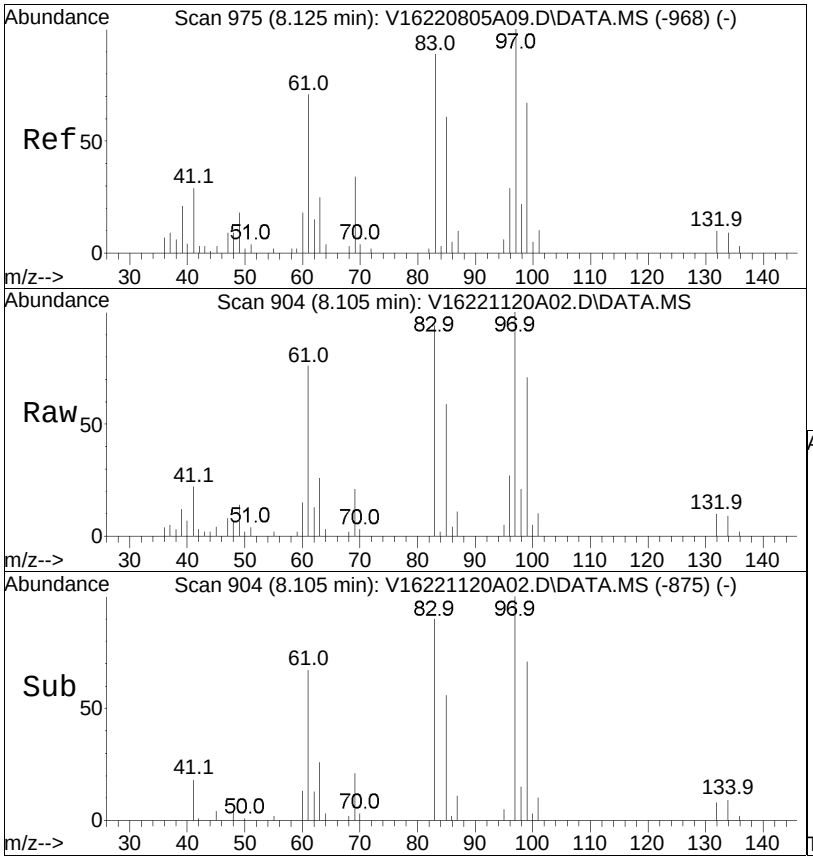


#69
trans-1,3-Dichloropropene
Concen: 9.06 ug/L
RT: 7.925 min Scan# 878
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 75 Resp: 46631

Ion	Ratio	Lower	Upper
75	100		
77	31.9	10.8	50.8
39	64.0	34.0	74.0

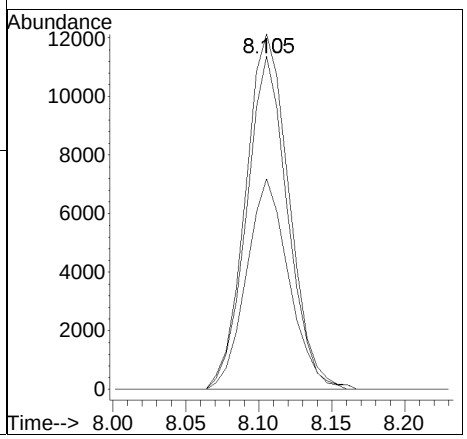


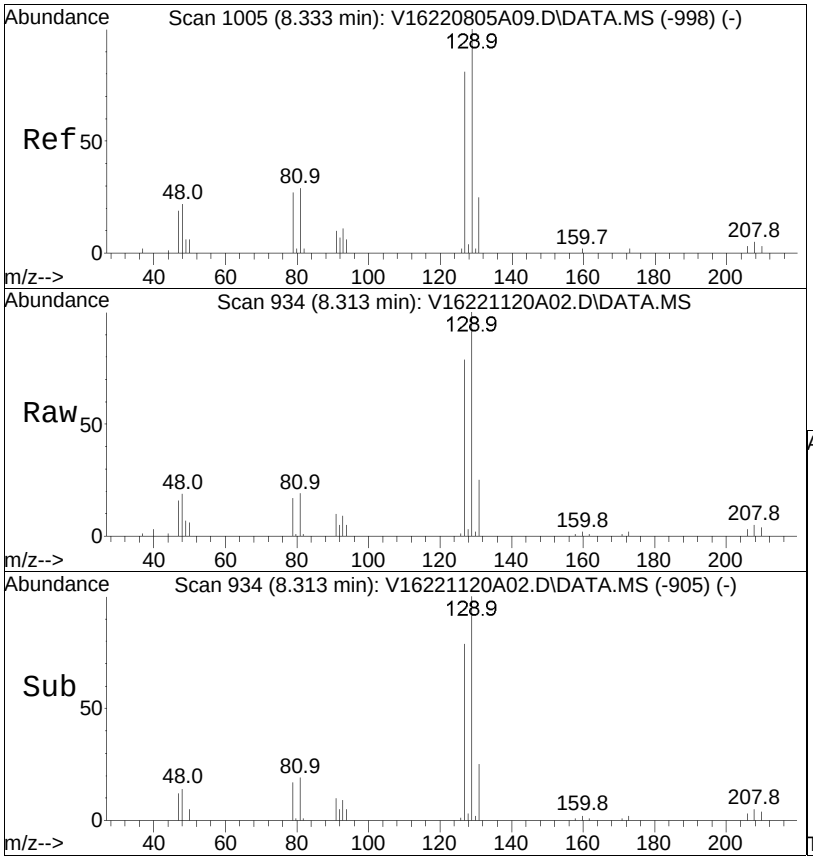


#72
1,1,2-Trichloroethane
Concen: 9.71 ug/L
RT: 8.105 min Scan# 904
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 83 Resp: 22364

Ion	Ratio	Lower	Upper
83	100		
97	112.9	103.2	143.2
85	65.1	47.3	87.3

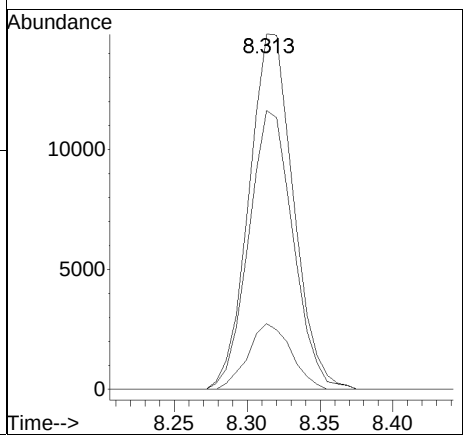


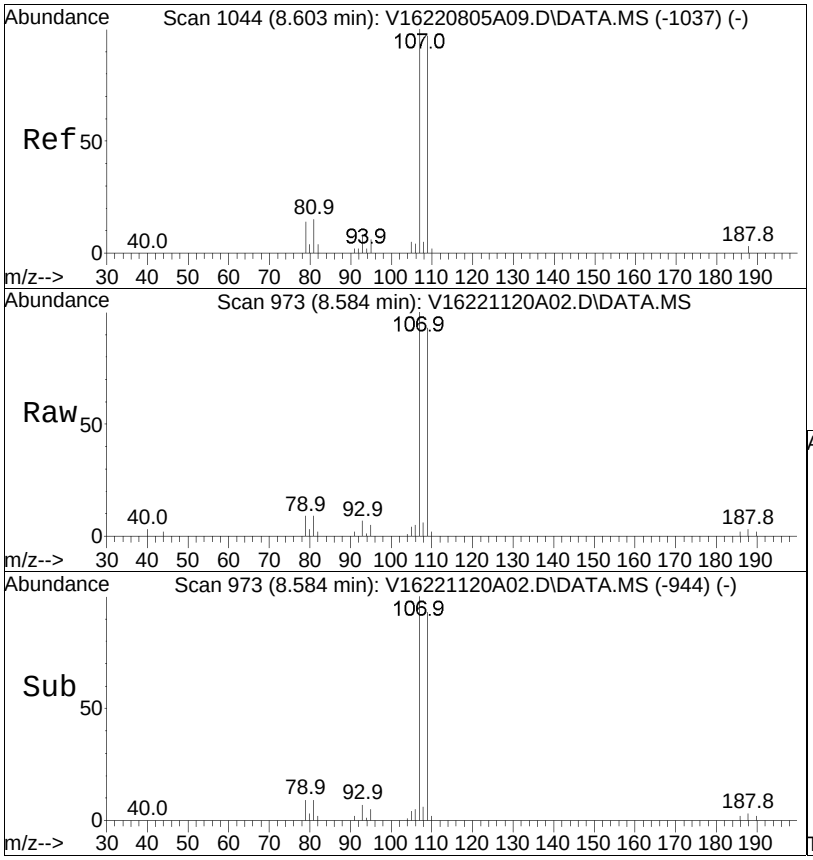


#73
Chlorodibromomethane
Concen: 9.43 ug/L
RT: 8.313 min Scan# 934
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:129 Resp: 31479

Ion	Ratio	Lower	Upper
129	100		
81	17.9	1.6	41.6
127	78.2	58.4	98.4

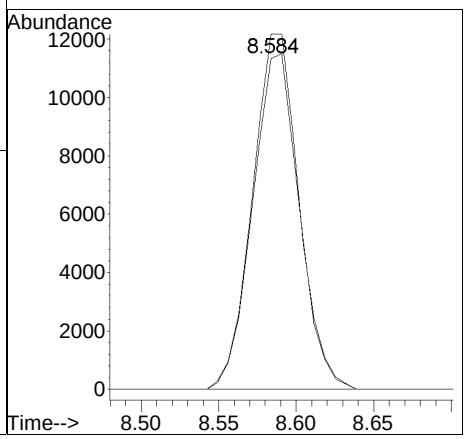


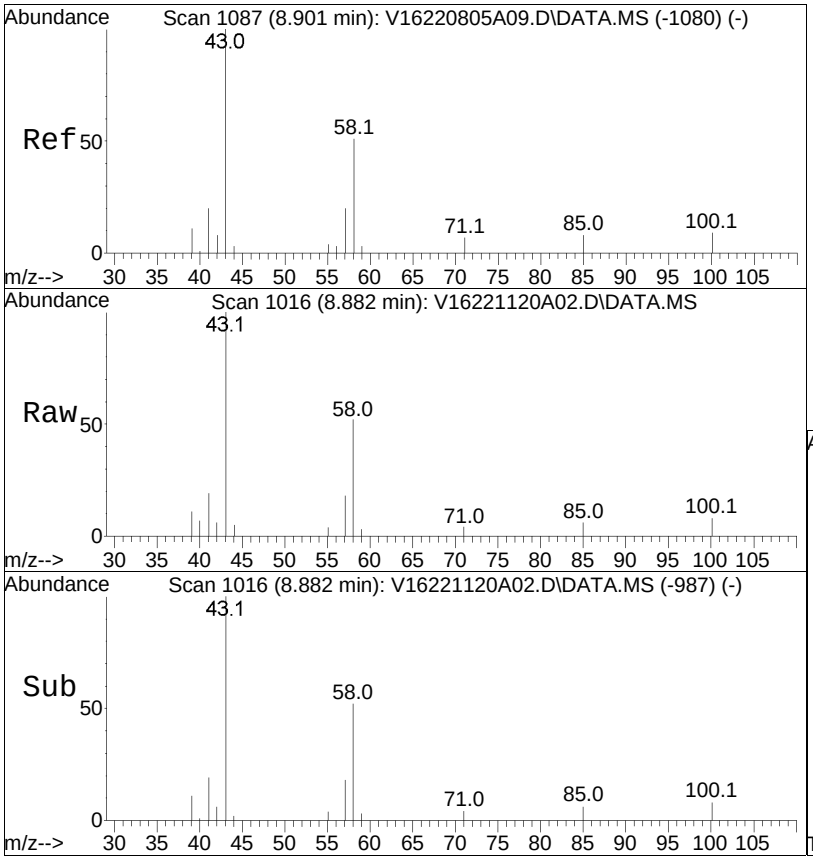


#75
1,2-Dibromoethane
Concen: 9.33 ug/L
RT: 8.584 min Scan# 973
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:107 Resp: 25473

Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.9	115.3

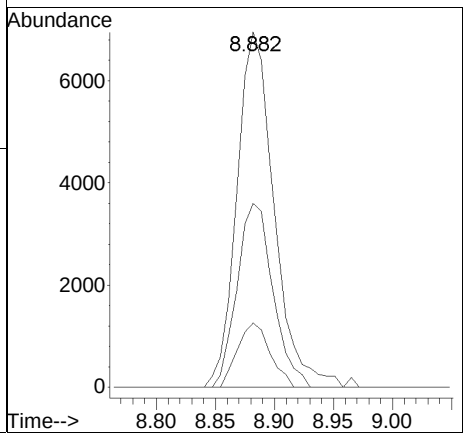


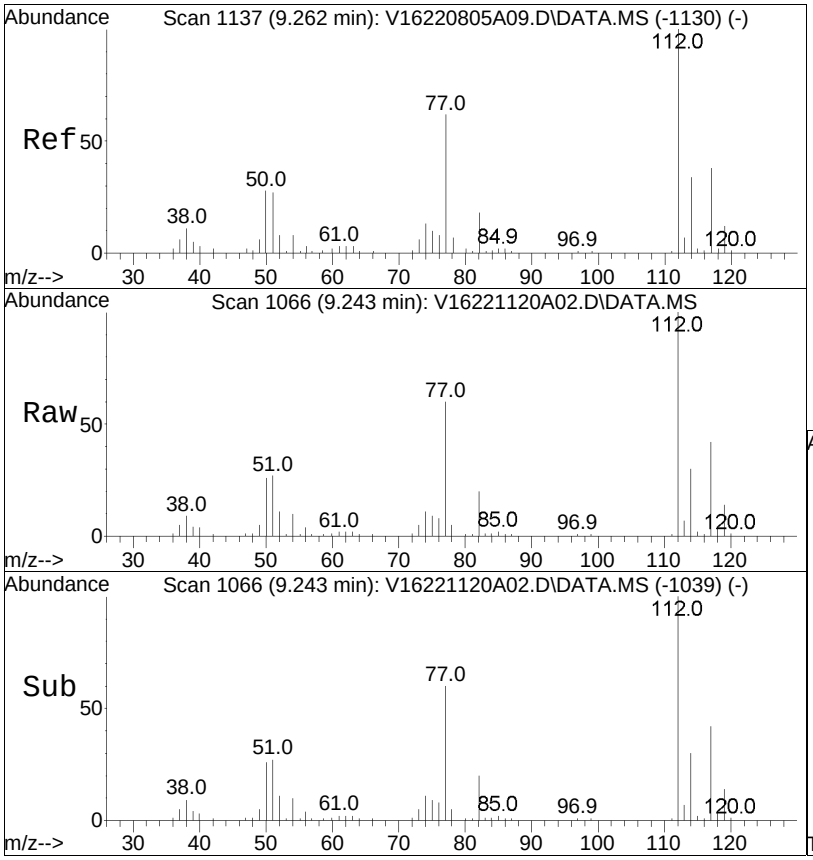


#77
2-Hexanone
Concen: 7.25 ug/L
RT: 8.882 min Scan# 1016
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 43 Resp: 15360

Ion	Ratio	Lower	Upper
43	100		
58	49.6	44.2	66.2
57	15.8	19.2	28.8#

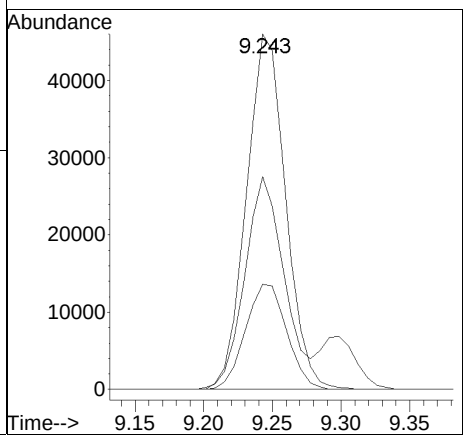


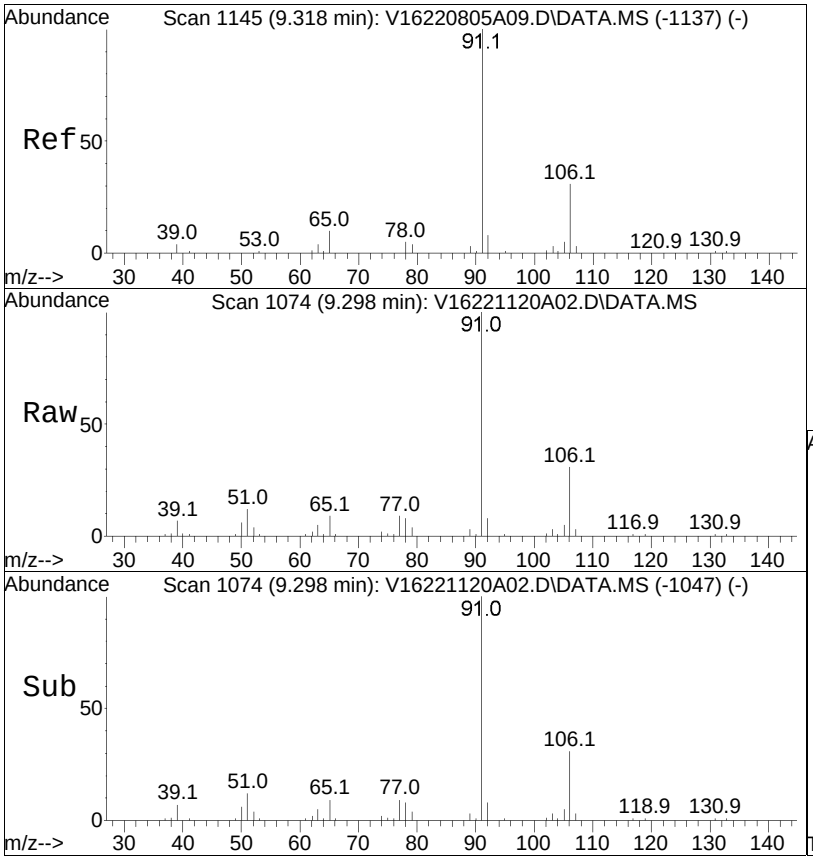


#78
Chlorobenzene
Concen: 9.66 ug/L
RT: 9.243 min Scan# 1066
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:112 Resp: 91423

Ion	Ratio	Lower	Upper
112	100		
77	60.5	50.2	75.2
114	31.1	25.0	37.6

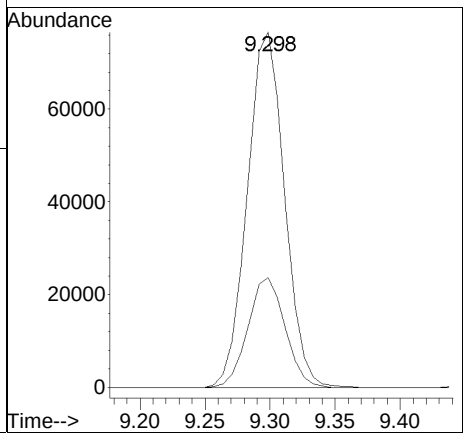


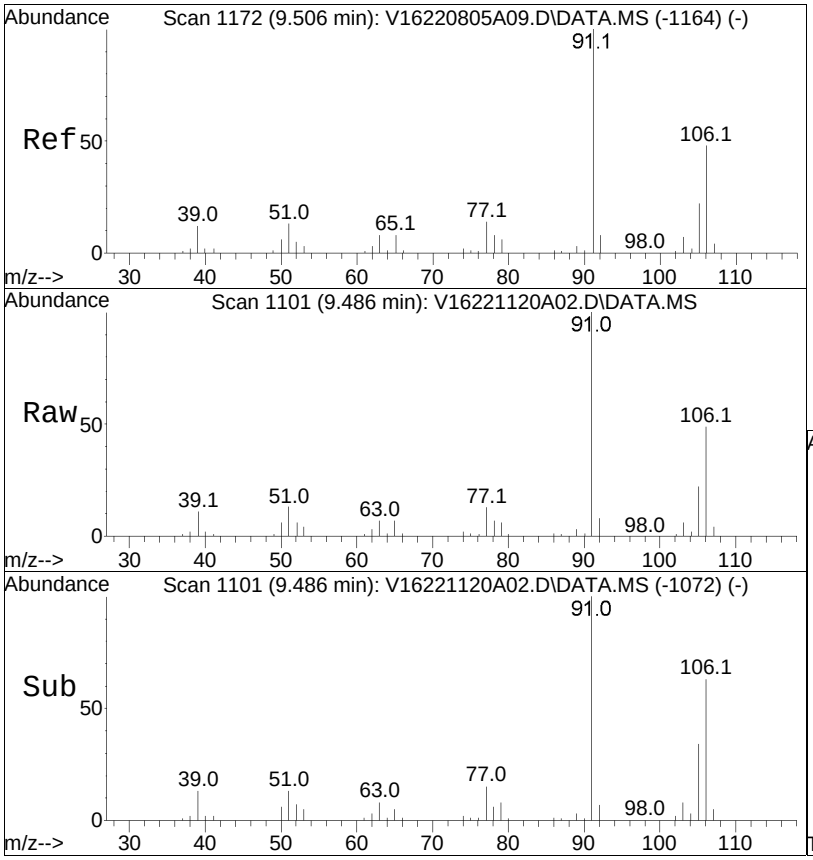


#79
Ethylbenzene
Concen: 9.02 ug/L
RT: 9.298 min Scan# 1074
Delta R.T. -0.001 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 91 Resp: 152362

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.6

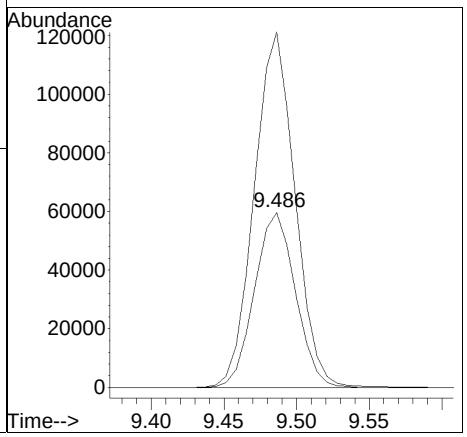


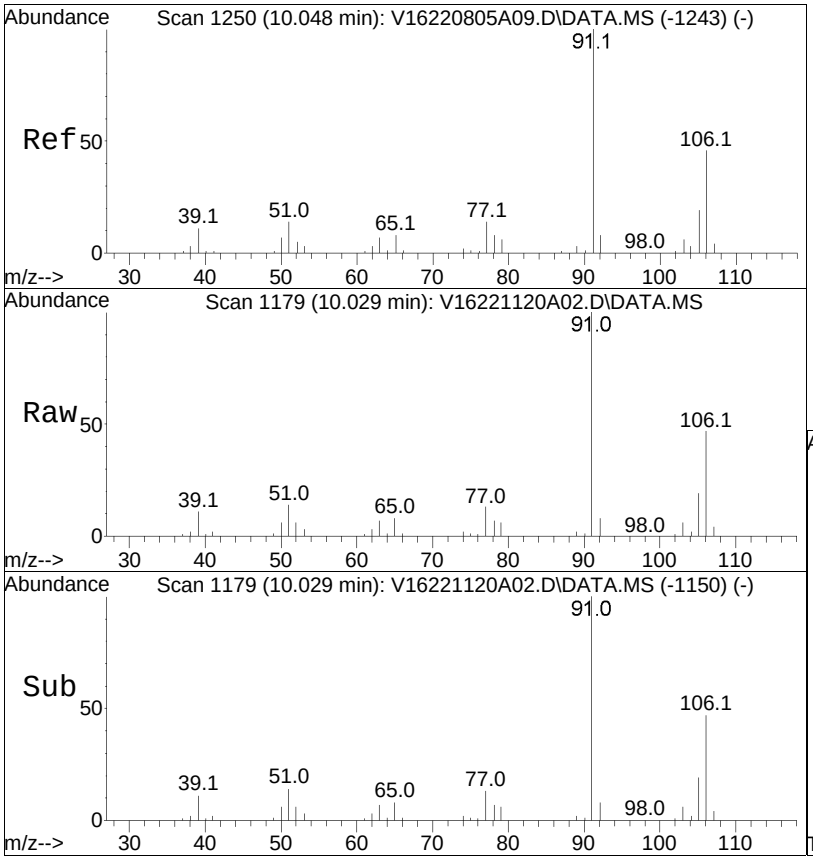


#81
p/m Xylene
Concen: 18.22 ug/L
RT: 9.486 min Scan# 1101
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:106 Resp: 116405

Ion	Ratio	Lower	Upper
106	100		
91	202.5	164.9	247.3

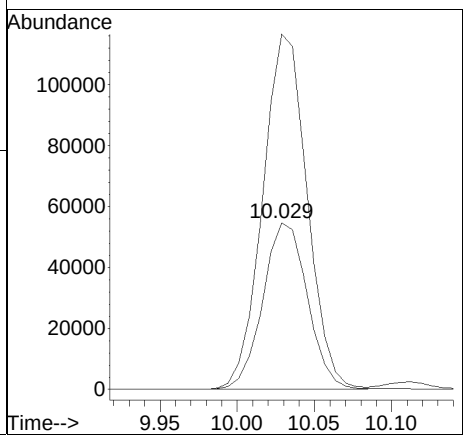


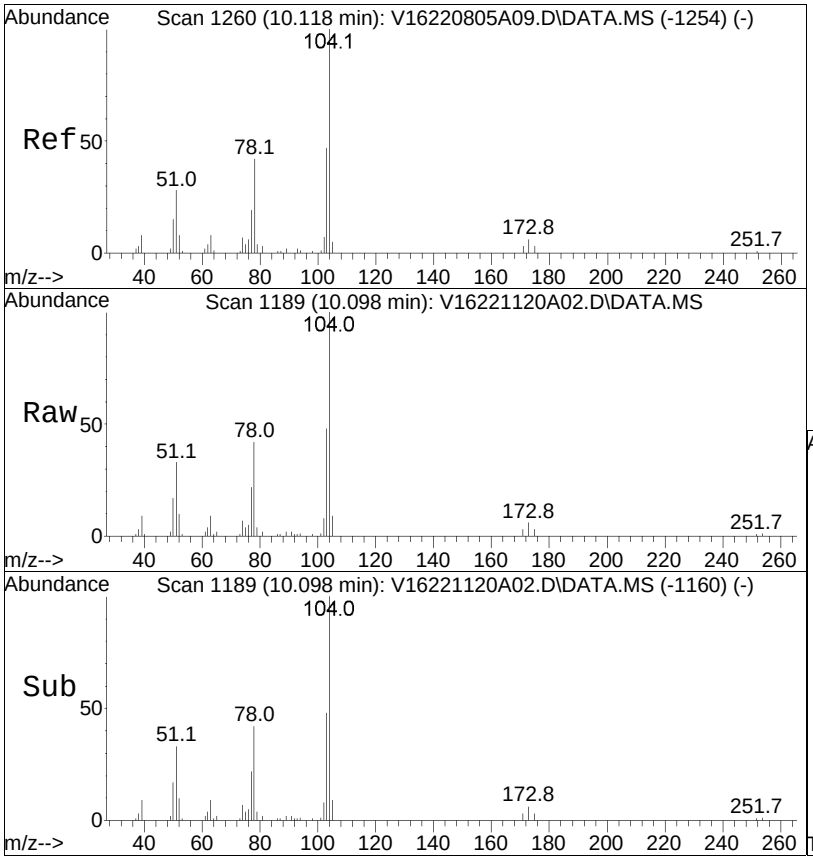


#82
o Xylene
Concen: 18.59 ug/L
RT: 10.029 min Scan# 1179
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:106 Resp: 109538

Ion	Ratio	Lower	Upper
106	100		
91	212.9	179.3	268.9

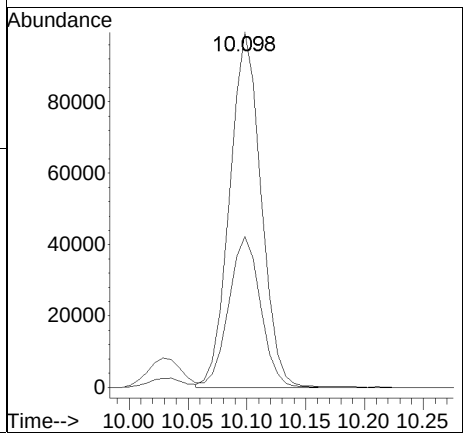


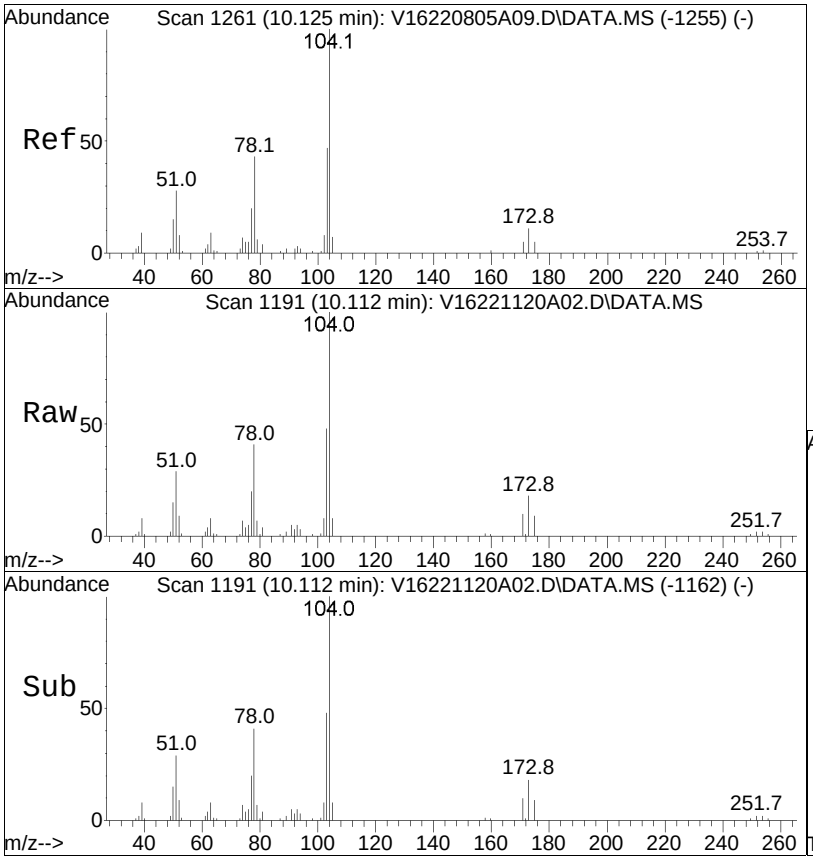


#83
Styrene
Concen: 19.02 ug/L
RT: 10.098 min Scan# 1189
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:104 Resp: 185066

Ion	Ratio	Lower	Upper
104	100		
78	43.0	39.0	58.6

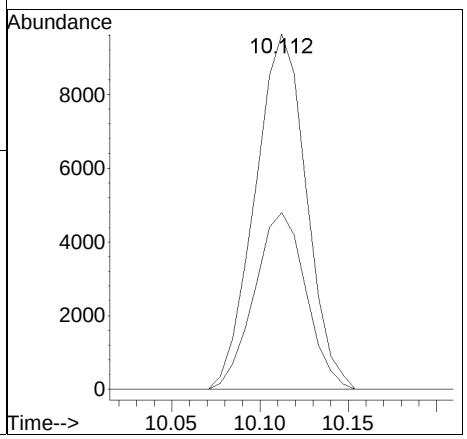


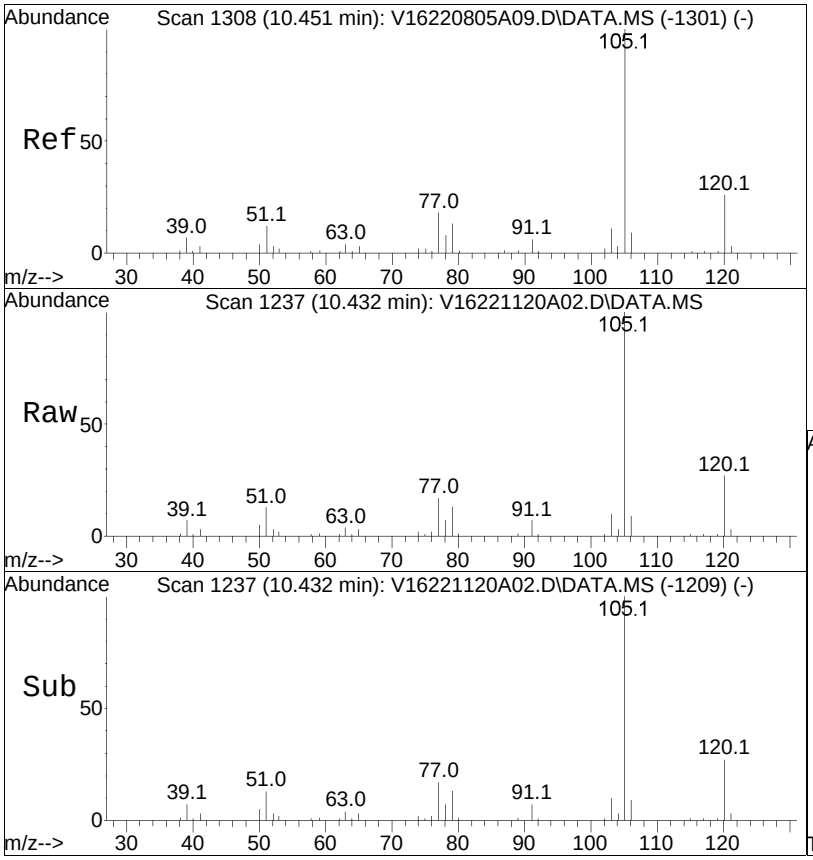


#85
Bromoform
Concen: 8.45 ug/L
RT: 10.112 min Scan# 1191
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:173 Resp: 19501

Ion	Ratio	Lower	Upper
173	100		
175	49.9	26.0	66.0

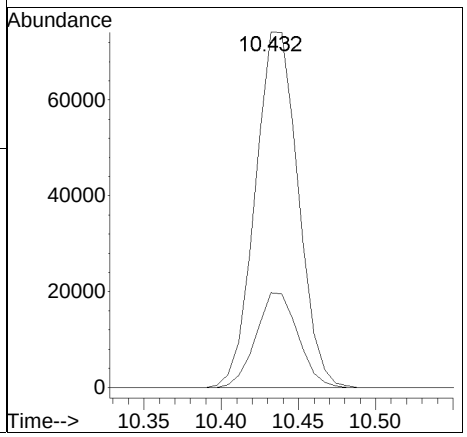


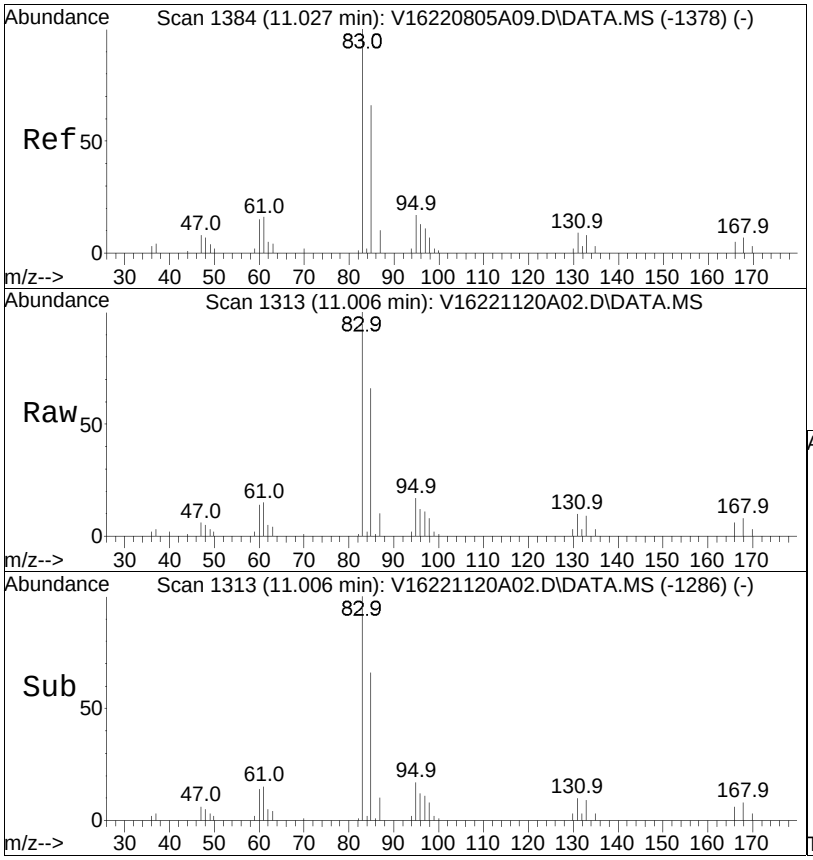


#87
Isopropylbenzene
Concen: 7.49 ug/L
RT: 10.432 min Scan# 1237
Delta R.T. -0.007 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:105 Resp: 143285

Ion	Ratio	Lower	Upper
105	100		
120	26.0	6.4	46.4

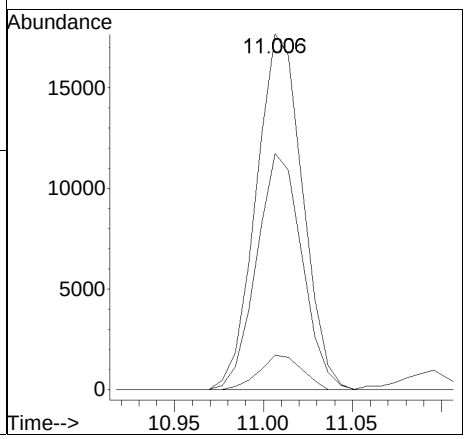


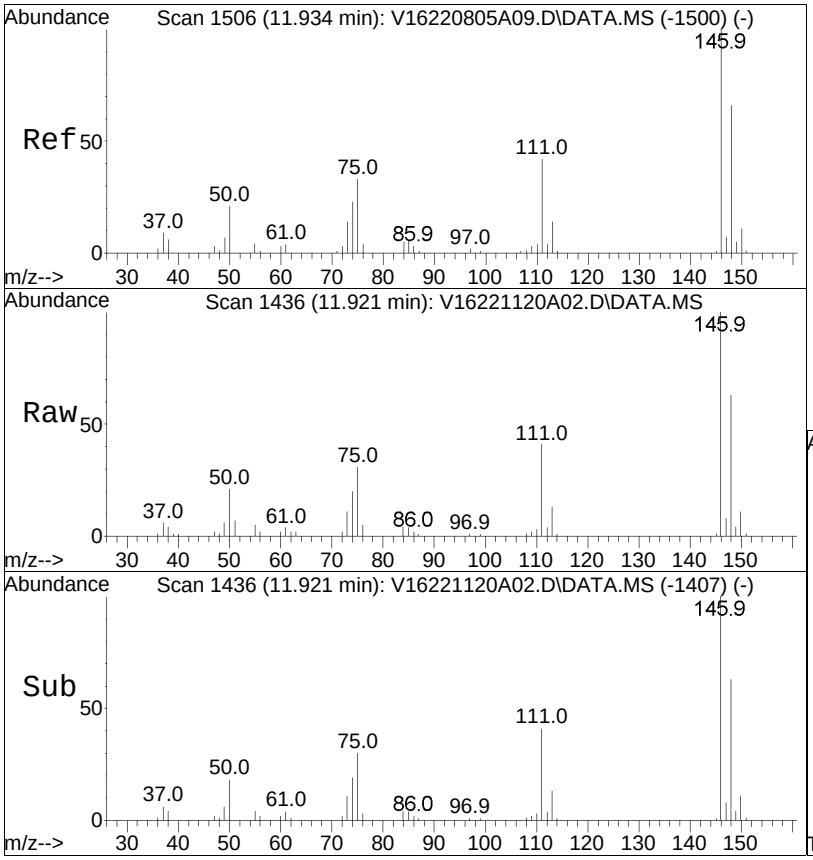


#92
1,1,2,2-Tetrachloroethane
Concen: 9.39 ug/L
RT: 11.006 min Scan# 1313
Delta R.T. -0.001 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion: 83 Resp: 32046

Ion	Ratio	Lower	Upper
83	100		
131	8.9	0.0	32.2
85	64.9	43.6	83.6

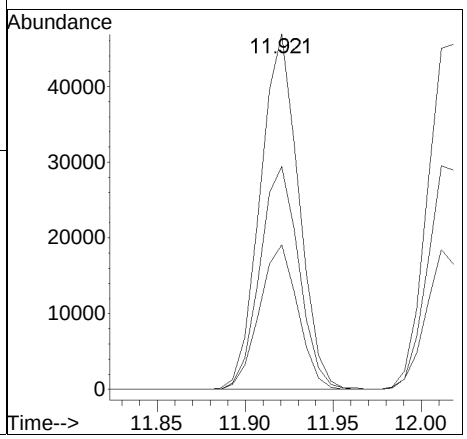


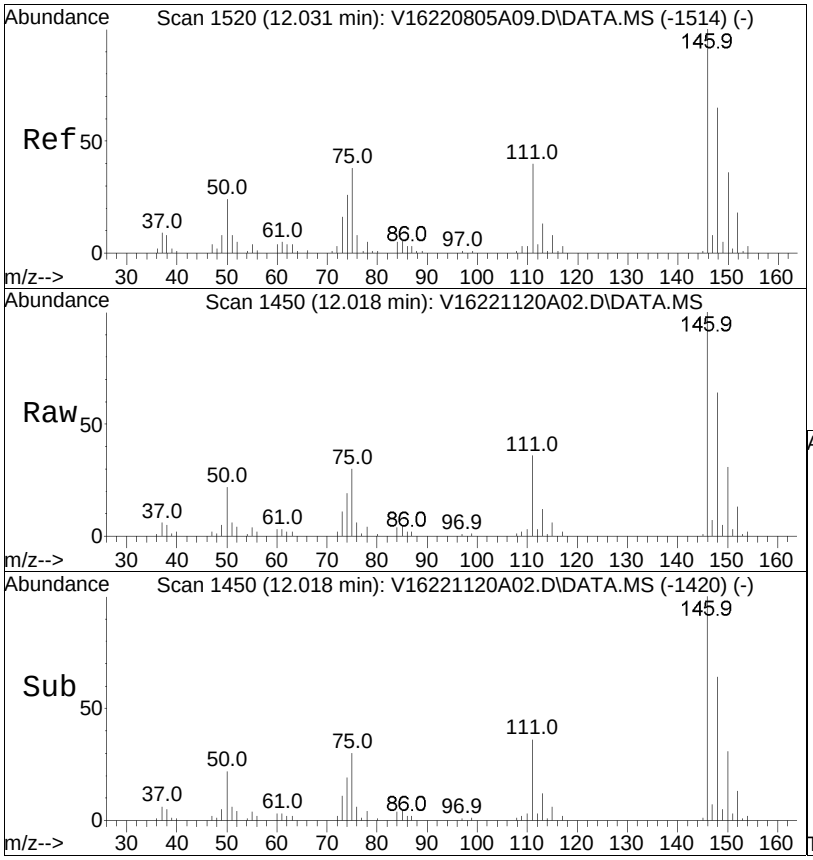


#105
1,3-Dichlorobenzene
Concen: 8.82 ug/L
RT: 11.921 min Scan# 1436
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:146 Resp: 71320

Ion	Ratio	Lower	Upper
146	100		
111	40.6	25.9	53.9
148	63.4	41.1	85.5

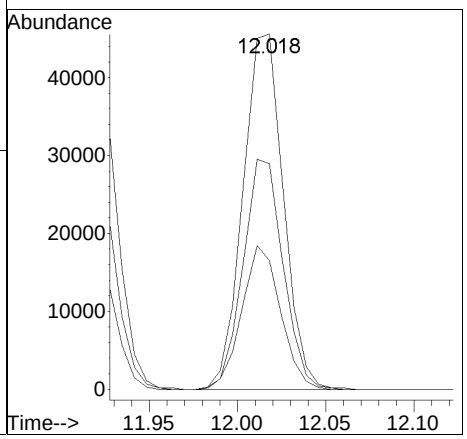


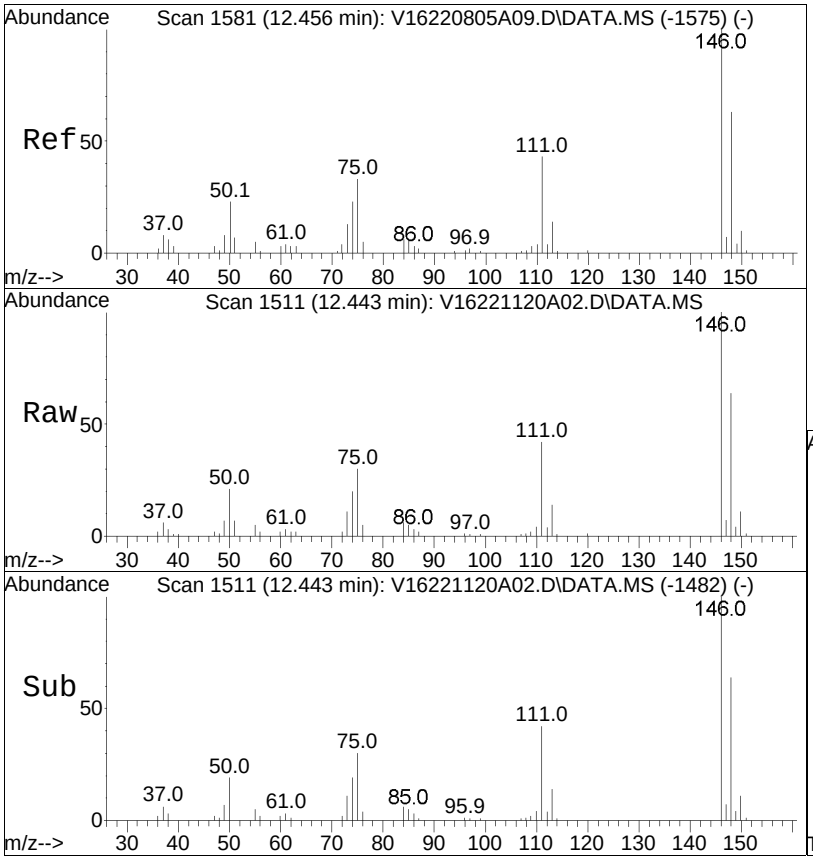


#106
1,4-Dichlorobenzene
Concen: 9.01 ug/L
RT: 12.018 min Scan# 1450
Delta R.T. 0.007 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:146 Resp: 72887

Ion	Ratio	Lower	Upper
146	100		
111	38.8	30.8	46.2
148	64.0	50.8	76.2

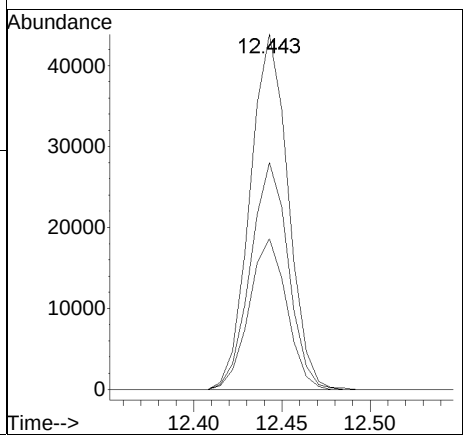


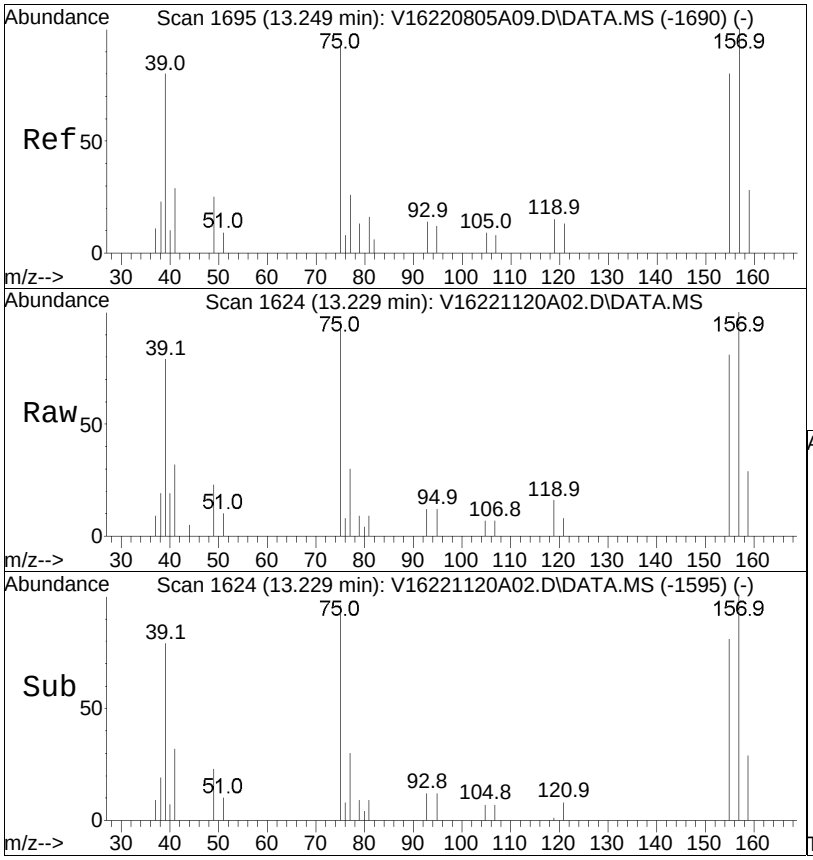


#109
1,2-Dichlorobenzene
Concen: 8.94 ug/L
RT: 12.443 min Scan# 1511
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:146 Resp: 65938

Ion	Ratio	Lower	Upper
146	100		
111	41.9	27.2	56.6
148	63.2	41.7	86.5

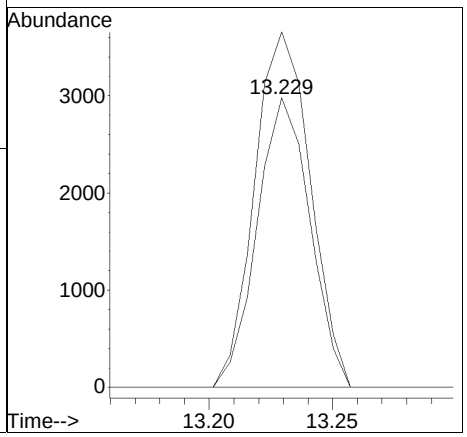


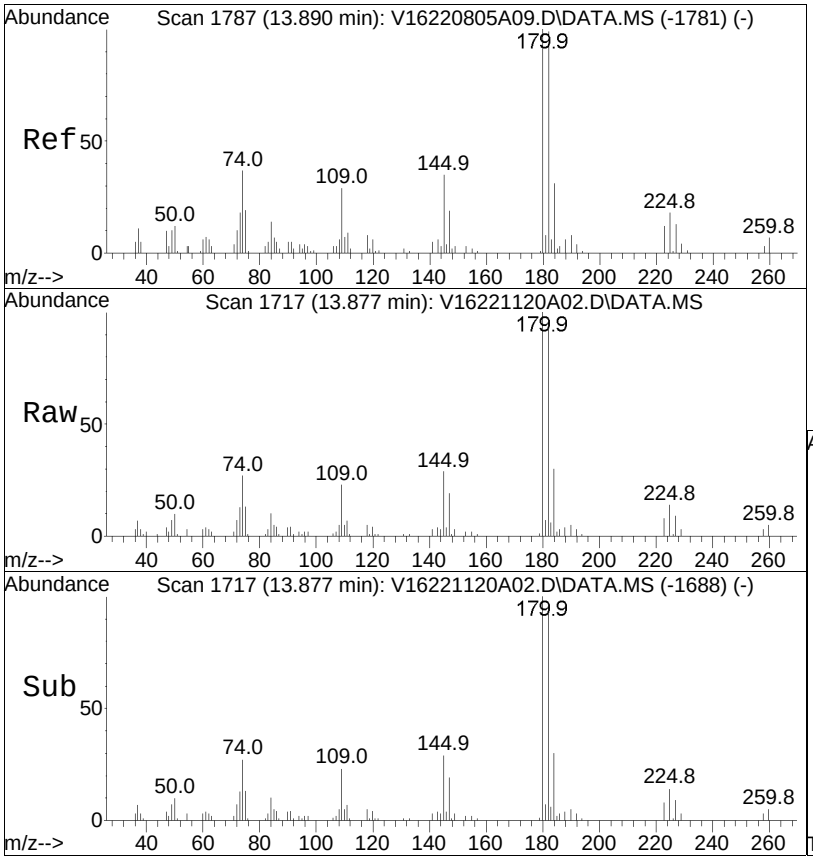


#111
1,2-Dibromo-3-chloropropane
Concen: 8.03 ug/L
RT: 13.229 min Scan# 1624
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:155 Resp: 4443

Ion	Ratio	Lower	Upper
155	100		
157	129.6	95.6	143.4

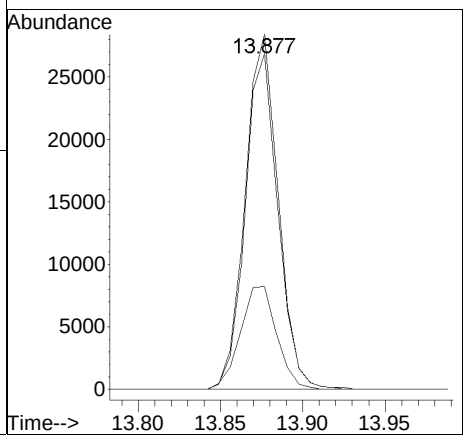


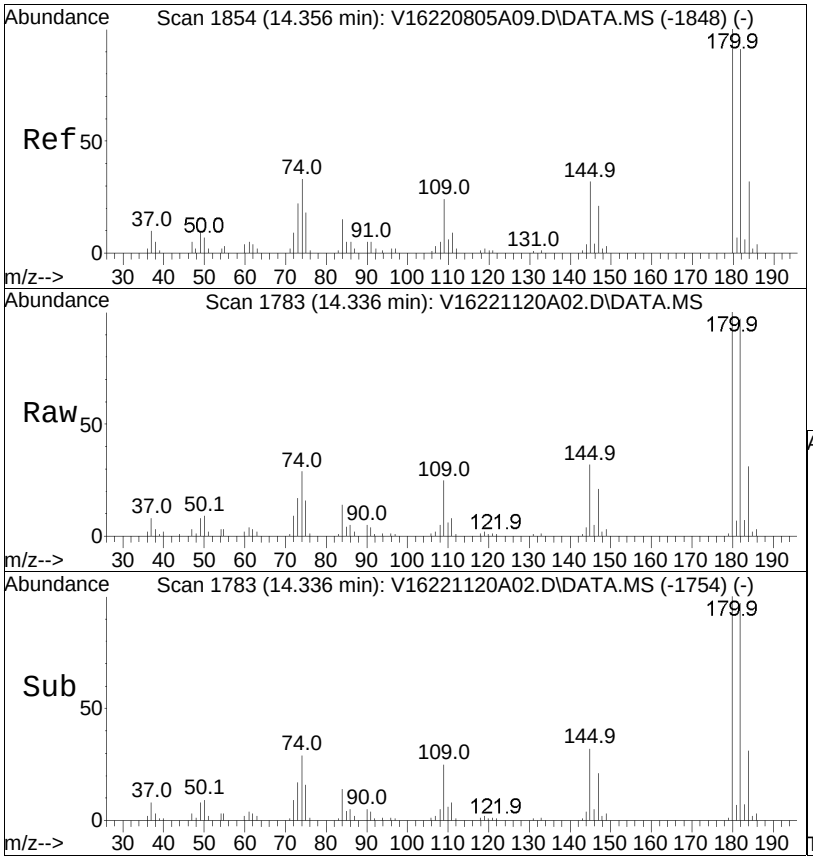


#114
1,2,4-Trichlorobenzene
Concen: 7.77 ug/L
RT: 13.877 min Scan# 1717
Delta R.T. -0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:180 Resp: 39733

Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.4	114.6
145	32.0	26.5	39.7

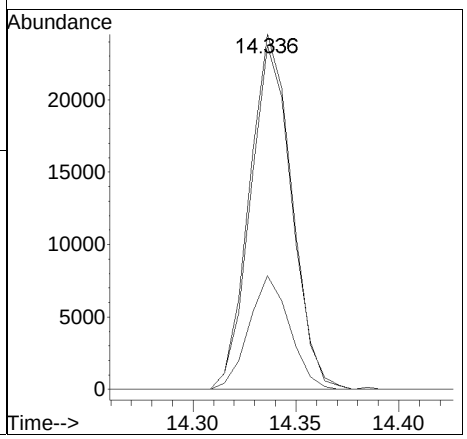




#116
1,2,3-Trichlorobenzene
Concen: 7.83 ug/L
RT: 14.336 min Scan# 1783
Delta R.T. 0.000 min
Lab File: V16221120A02.D
Acq: 20 Nov 2022 08:52 am

Tgt Ion:180 Resp: 35132

Ion	Ratio	Lower	Upper
180	100		
182	94.9	78.6	118.0
145	30.7	24.8	37.2



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N02.d
Acq On : 21 Nov 2022 6:35 pm
Operator : VOA108:AJK
Sample : WG1715252-4,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 19:02:03 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.620	96	198561	10.000 ug/L	0.00
Standard Area 1 = 192015			Recovery = 103.41%		
59) Chlorobenzene-d5	8.572	117	154661	10.000 ug/L	0.00
Standard Area 1 = 156468			Recovery = 98.85%		
79) 1,4-Dichlorobenzene-d4	10.051	152	85184	10.000 ug/L	0.00
Standard Area 1 = 85868			Recovery = 99.20%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.655	113	58359	10.015 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.15%		
43) 1,2-Dichloroethane-d4	5.279	65	64449	10.514 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.14%		
60) Toluene-d8	7.303	98	192656	10.303 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.03%		
83) 4-Bromofluorobenzene	9.379	95	61178	9.463 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.63%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.012	85	34732	9.331 ug/L	97
3) Chloromethane	1.148	50	40513	9.730 ug/L	99
4) Vinyl chloride	1.190	62	49437	11.023 ug/L	96
5) Bromomethane	1.405	94	42590	9.769 ug/L	99
6) Chloroethane	1.489	64	96955	21.133 ug/L	95
7) Trichlorofluoromethane	1.594	101	109685	10.954 ug/L	97
10) 1,1-Dichloroethene	1.971	96	65836	11.126 ug/L #	55
11) Carbon disulfide	1.976	76	115810	11.279 ug/L	99
12) Freon-113	2.018	101	70349	11.573 ug/L	96
15) Methylene chloride	2.469	84	45468	9.038 ug/L	66
17) Acetone	2.532	43	13430	9.730 ug/L	98
18) trans-1,2-Dichloroethene	2.626	96	45831	9.552 ug/L #	66
19) Methyl acetate	2.668	43	29107	8.427 ug/L #	83
20) Methyl tert-butyl ether	2.768	73	102799	8.000 ug/L	94
23) 1,1-Dichloroethane	3.287	63	78310	10.109 ug/L	97
28) cis-1,2-Dichloroethene	4.000	96	52992	9.558 ug/L #	62
30) Bromochloromethane	4.267	128	29102	9.498 ug/L #	50
31) Cyclohexane	4.262	56	65167	9.785 ug/L #	52
32) Chloroform	4.420	83	87576	9.901 ug/L	97
34) Carbon tetrachloride	4.551	117	68280	9.745 ug/L	98

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N02.d
Acq On : 21 Nov 2022 6:35 pm
Operator : VOA108:AJK
Sample : WG1715252-4,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 19:02:03 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221121N\V08221121N01.d
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.640	97	73573	9.491	ug/L	#	96
39) 2-Butanone	4.834	43	21267	9.261	ug/L	#	36
41) Benzene	5.112	78	183039	9.896	ug/L	#	89
44) 1,2-Dichloroethane	5.358	62	66771	9.667	ug/L		95
47) Methyl cyclohexane	5.788	83	71056	9.202	ug/L	#	63
48) Trichloroethene	5.814	95	50522	9.395	ug/L	#	87
51) 1,2-Dichloropropane	6.365	63	46940	10.043	ug/L		95
54) Bromodichloromethane	6.470	83	66150	9.471	ug/L	#	99
57) 1,4-Dioxane	6.685	88	23609	433.984	ug/L	#	65
58) cis-1,3-Dichloropropene	7.120	75	72503	8.812	ug/L		93
61) Toluene	7.350	92	114473	9.638	ug/L		100
62) 4-Methyl-2-pentanone	7.738	58	14911	8.652	ug/L	#	89
63) Tetrachloroethene	7.702	166	53952	9.517	ug/L		89
65) trans-1,3-Dichloropropene	7.754	75	66871	9.052	ug/L		100
68) 1,1,2-Trichloroethane	7.885	83	36568	9.739	ug/L		90
69) Chlorodibromomethane	8.016	129	53371	9.147	ug/L		98
71) 1,2-Dibromoethane	8.174	107	47926	9.465	ug/L		97
72) 2-Hexanone	8.404	43	26413	7.805	ug/L		92
73) Chlorobenzene	8.582	112	142857	9.760	ug/L	#	84
74) Ethylbenzene	8.624	91	217285	9.535	ug/L		96
76) p/m Xylene	8.729	106	179474	18.974	ug/L		87
77) o Xylene	9.007	106	167380	18.565	ug/L		85
78) Styrene	9.044	104	270568	17.838	ug/L	#	82
80) Bromoform	9.049	173	32939	8.077	ug/L		96
82) Isopropylbenzene	9.217	105	224110	9.668	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.521	83	60984	10.167	ug/L		100
100) 1,3-Dichlorobenzene	10.003	146	121240	9.409	ug/L		95
101) 1,4-Dichlorobenzene	10.056	146	121201	9.289	ug/L		97
104) 1,2-Dichlorobenzene	10.297	146	117570	9.278	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.748	155	11006	8.793	ug/L		92
109) 1,2,4-Trichlorobenzene	11.125	180	81366	9.100	ug/L		98
111) 1,2,3-Trichlorobenzene	11.409	180	82275	9.159	ug/L		97

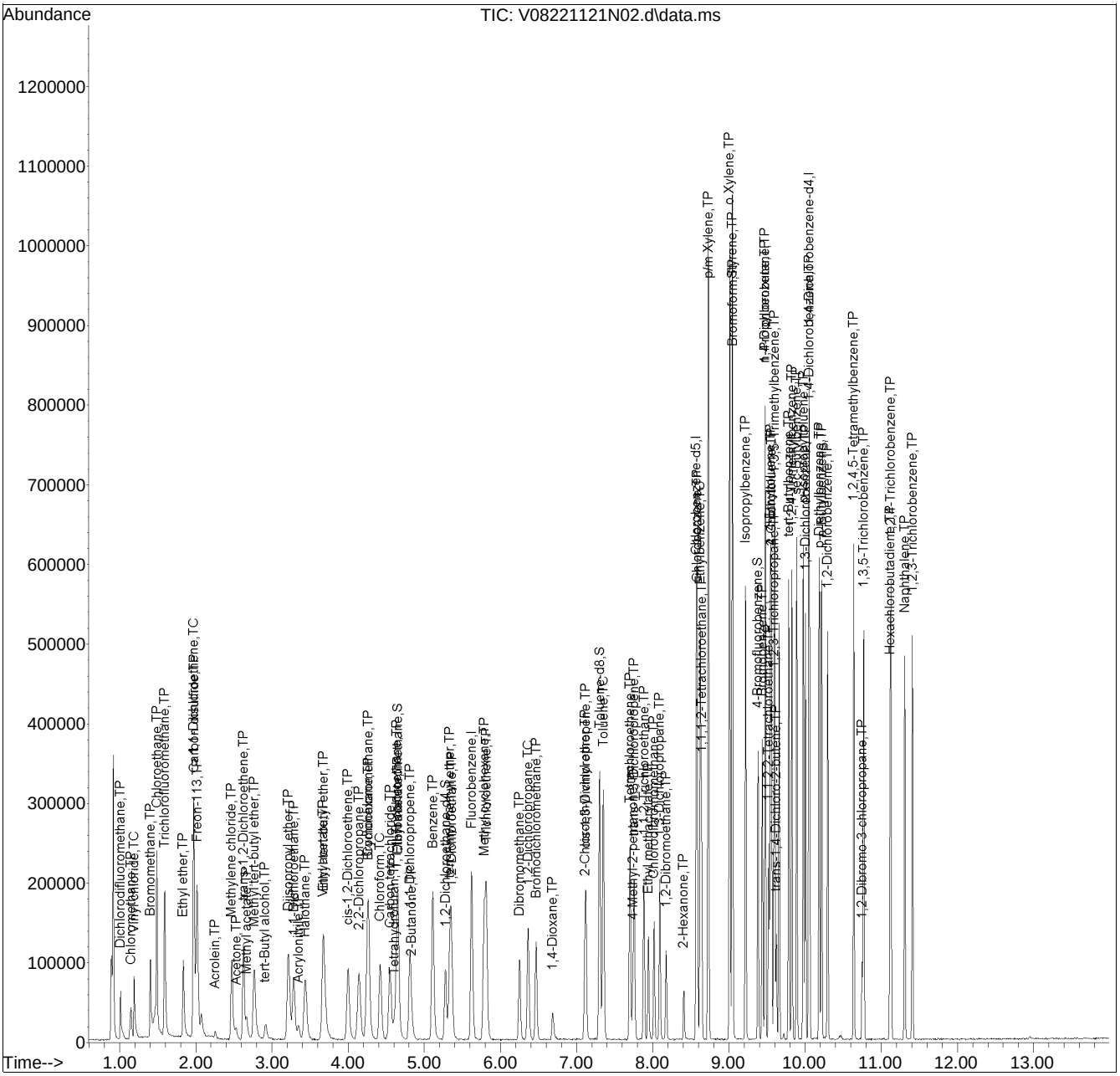
(#) = qualifier out of range (m) = manual integration (+) = signals summed

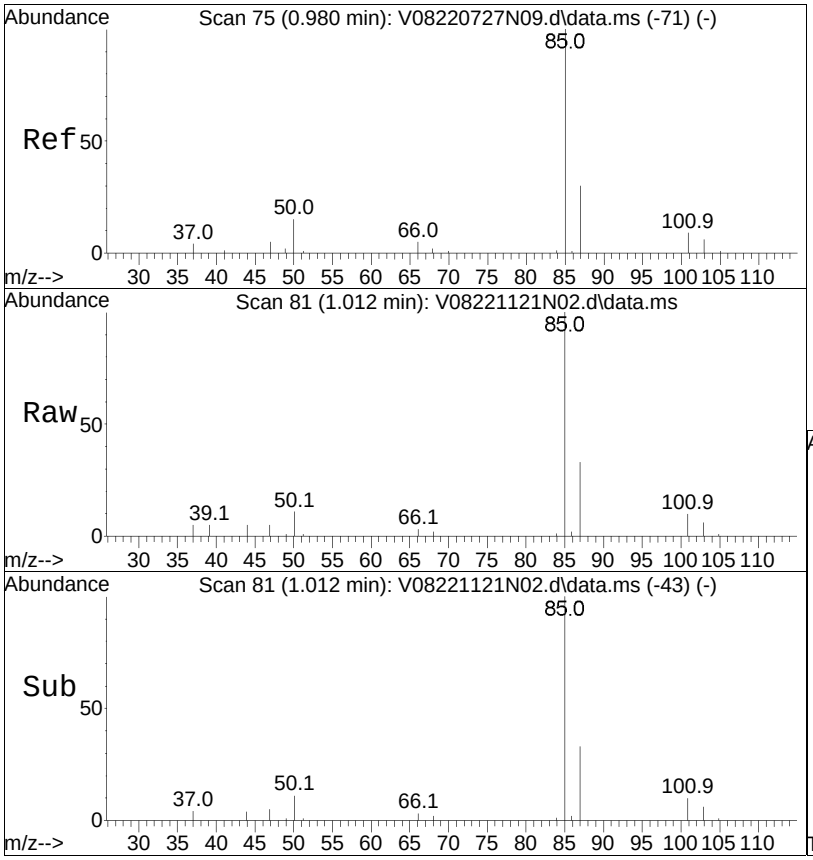
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221121N\
Data File : V08221121N02.d
Acq On : 21 Nov 2022 6:35 pm
Operator : VOA108:AJK
Sample : WG1715252-4,31,10,10
Misc : WG1715252,ICAL19477
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 19:02:03 2022
Quant Method : I:\VOLATILES\VOA108\2022\221121N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

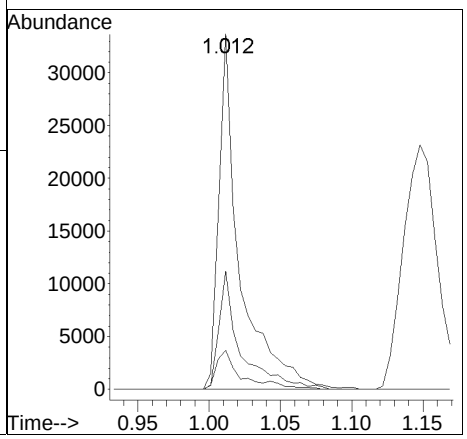


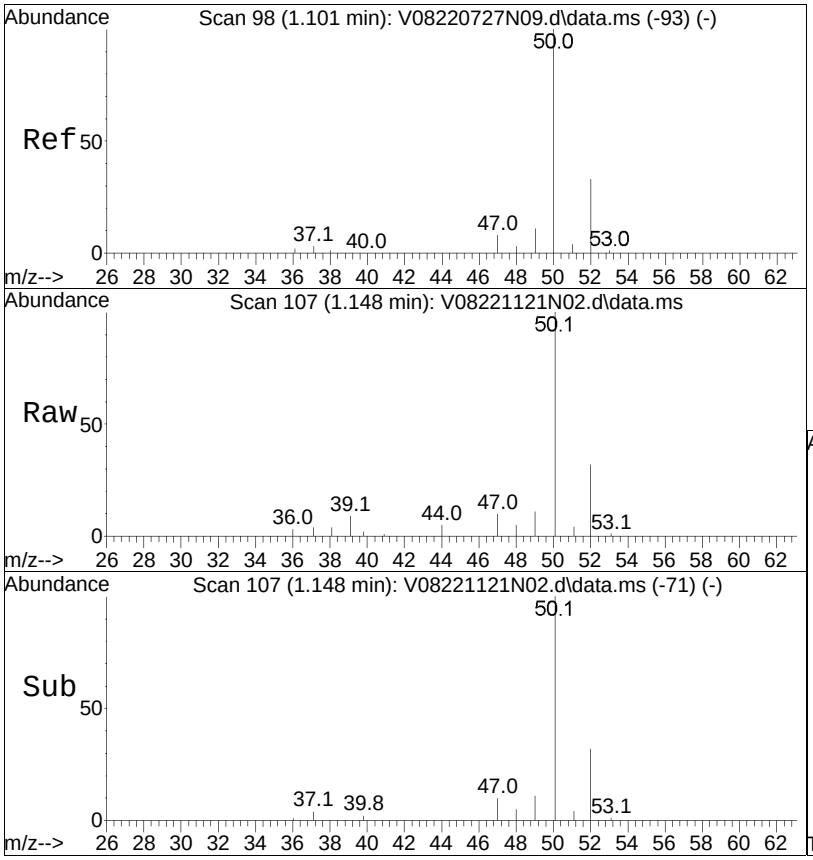


#2
Dichlorodifluoromethane
Concen: 9.33 ug/L
RT: 1.012 min Scan# 81
Delta R.T. 0.000 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 85 Resp: 34732

Ion	Ratio	Lower	Upper
85	100		
87	34.4	21.0	43.6
50	13.4	8.9	18.5

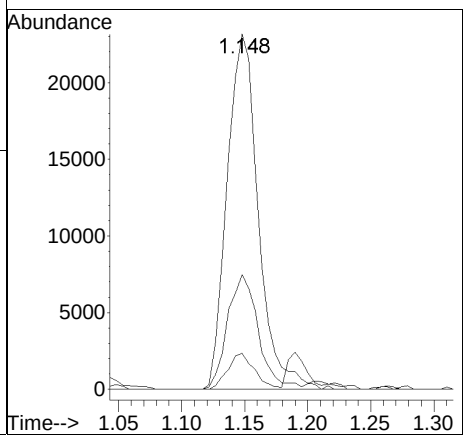


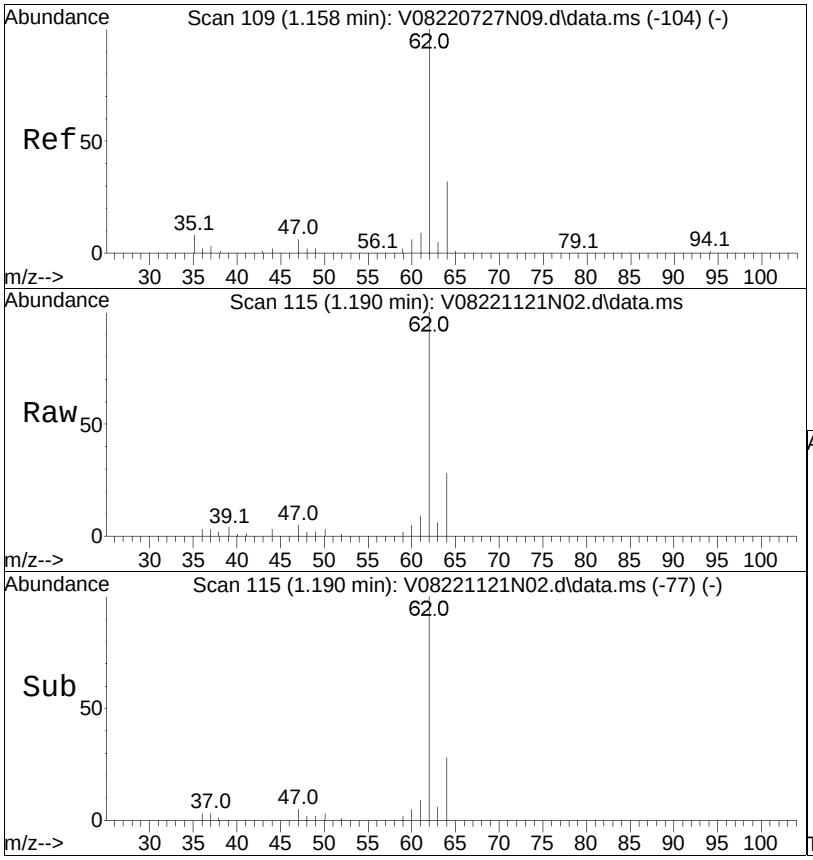


#3
Chloromethane
Concen: 9.73 ug/L
RT: 1.148 min Scan# 107
Delta R.T. -0.010 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 50 Resp: 40513

Ion	Ratio	Lower	Upper
50	100		
52	32.2	12.9	52.9
47	8.6	0.0	28.3

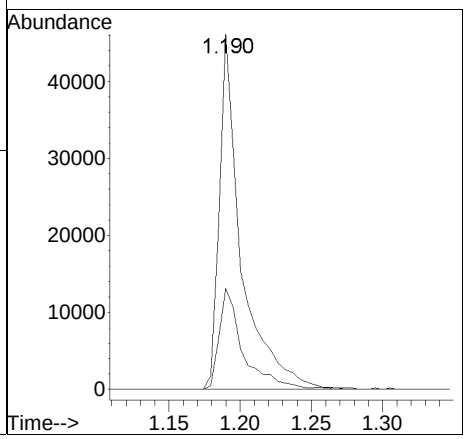


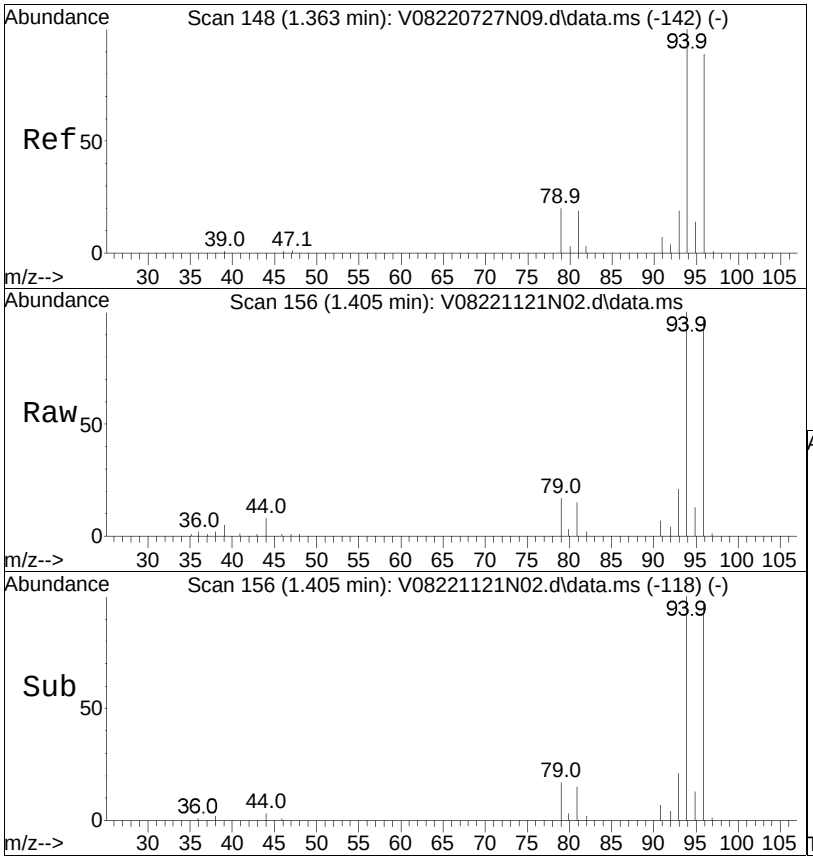


#4
Vinyl chloride
Concen: 11.02 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 62 Resp: 49437

Ion	Ratio	Lower	Upper
62	100		
64	31.4	9.1	49.1

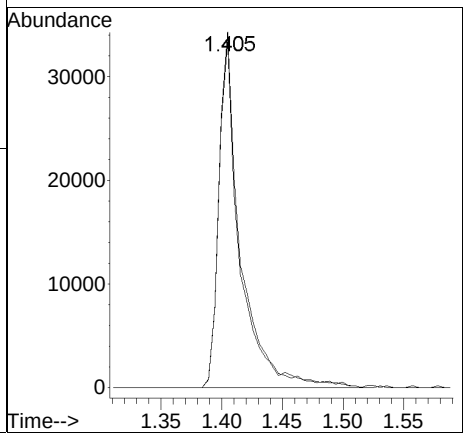


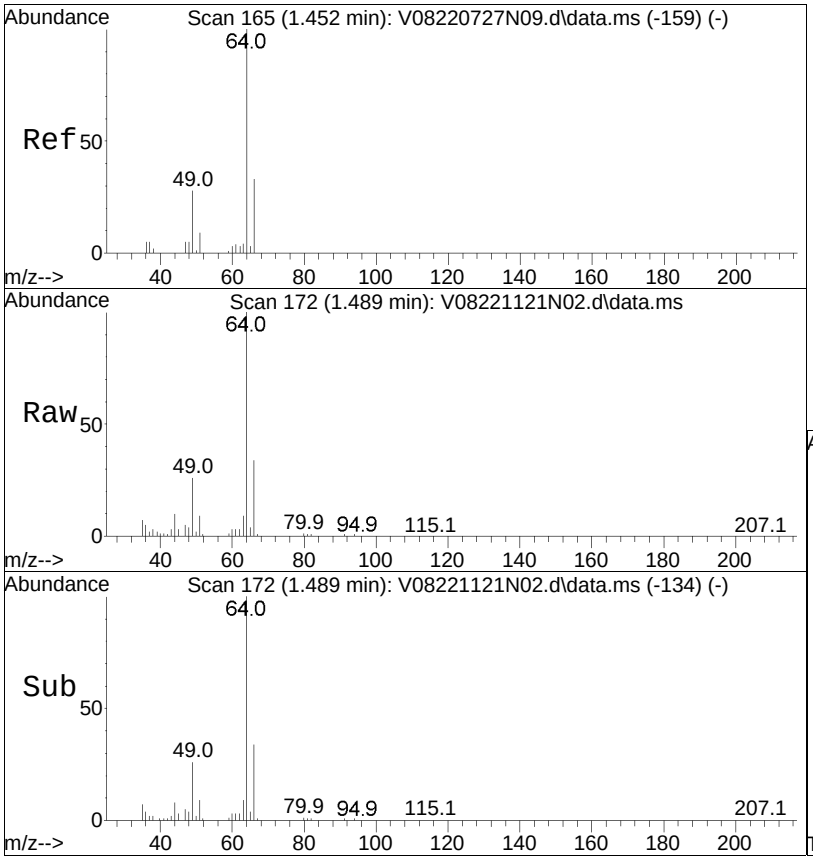


#5
Bromomethane
Concen: 9.77 ug/L
RT: 1.405 min Scan# 156
Delta R.T. 0.000 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 94 Resp: 42590

Ion	Ratio	Lower	Upper
94	100		
96	94.8	75.6	115.6

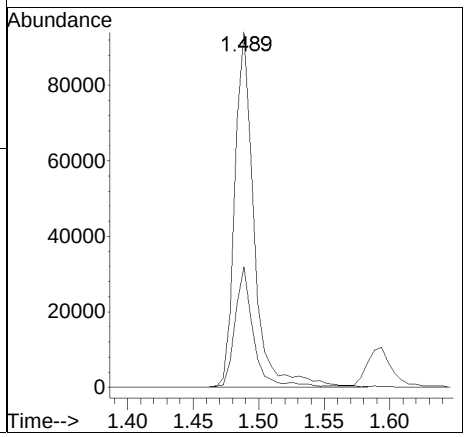


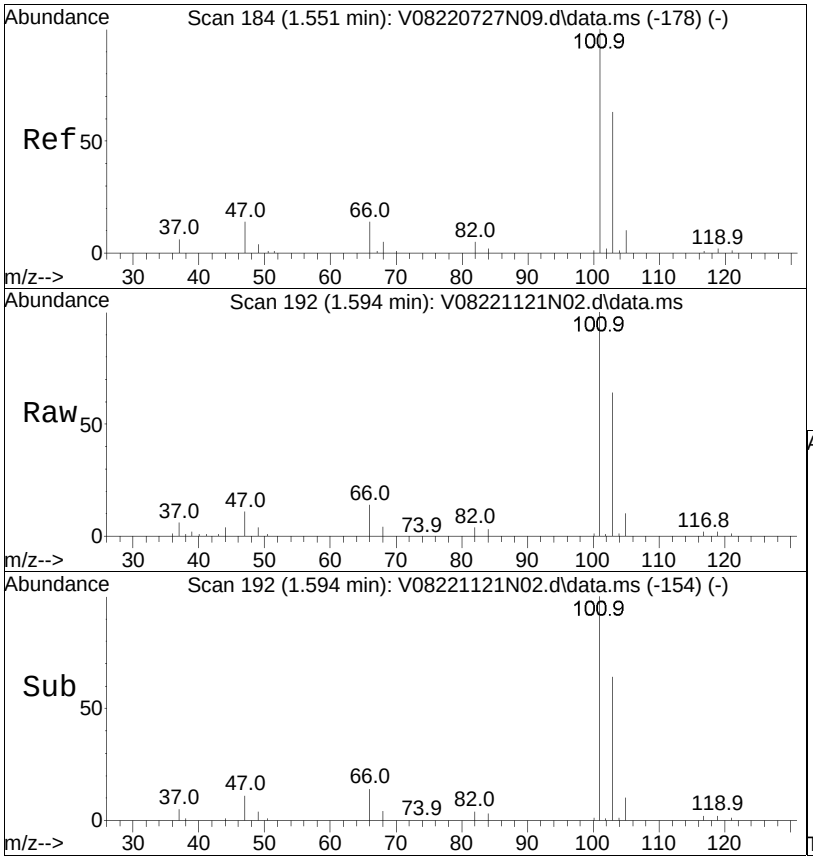


#6
Chloroethane
Concen: 21.13 ug/L
RT: 1.489 min Scan# 172
Delta R.T. 0.000 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 64 Resp: 96955

Ion	Ratio	Lower	Upper
64	100		
66	32.5	9.8	49.8

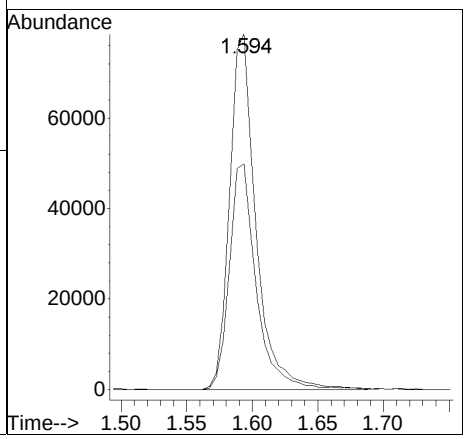


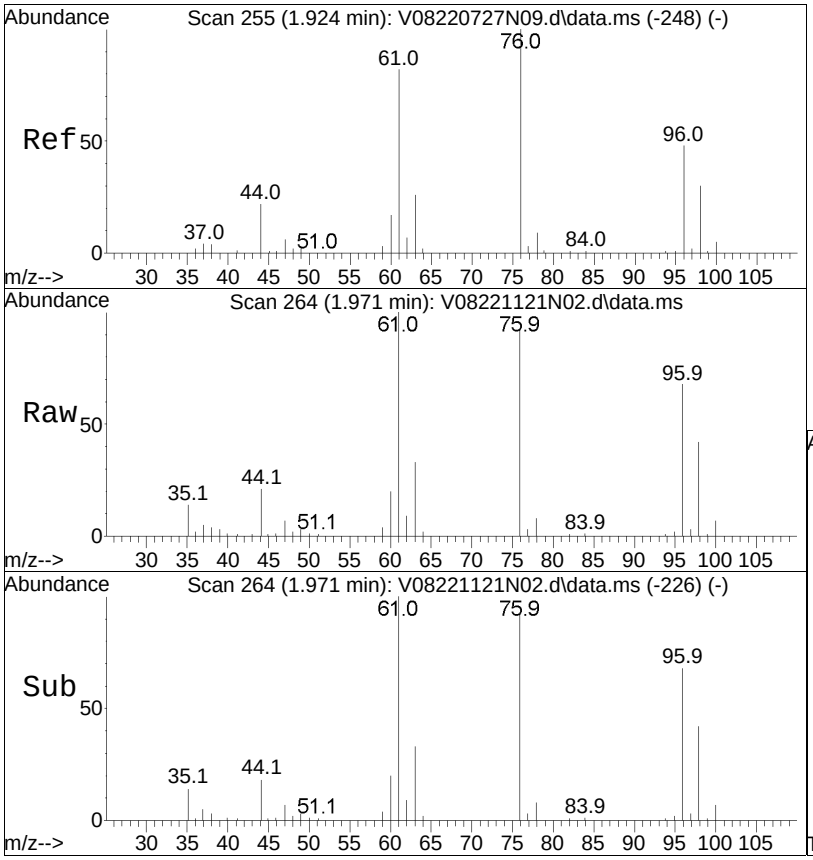


#7
Trichlorofluoromethane
Concen: 10.95 ug/L
RT: 1.594 min Scan# 192
Delta R.T. 0.000 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:101 Resp: 109685

Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.8	80.6

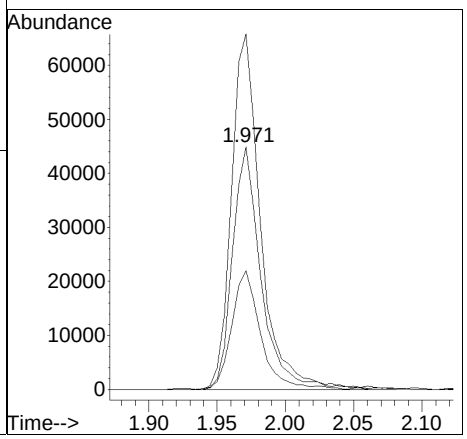


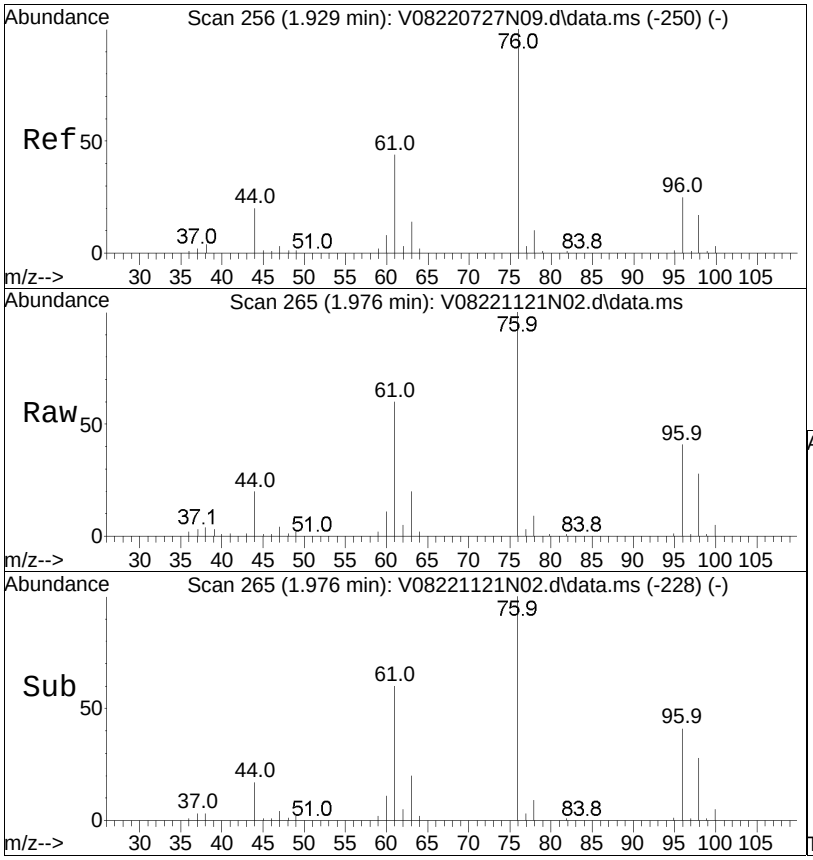


#10
1,1-Dichloroethene
Concen: 11.13 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 96 Resp: 65836

Ion	Ratio	Lower	Upper
96	100		
61	149.6	186.1	279.1#
63	49.1	57.6	86.4#

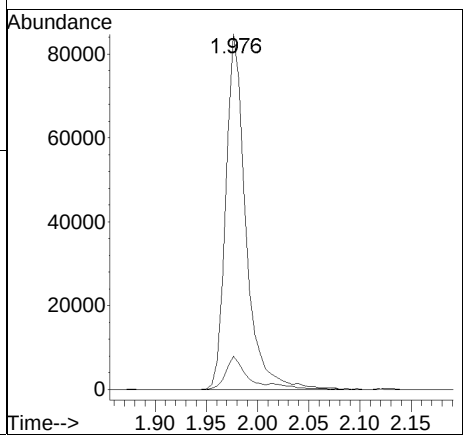


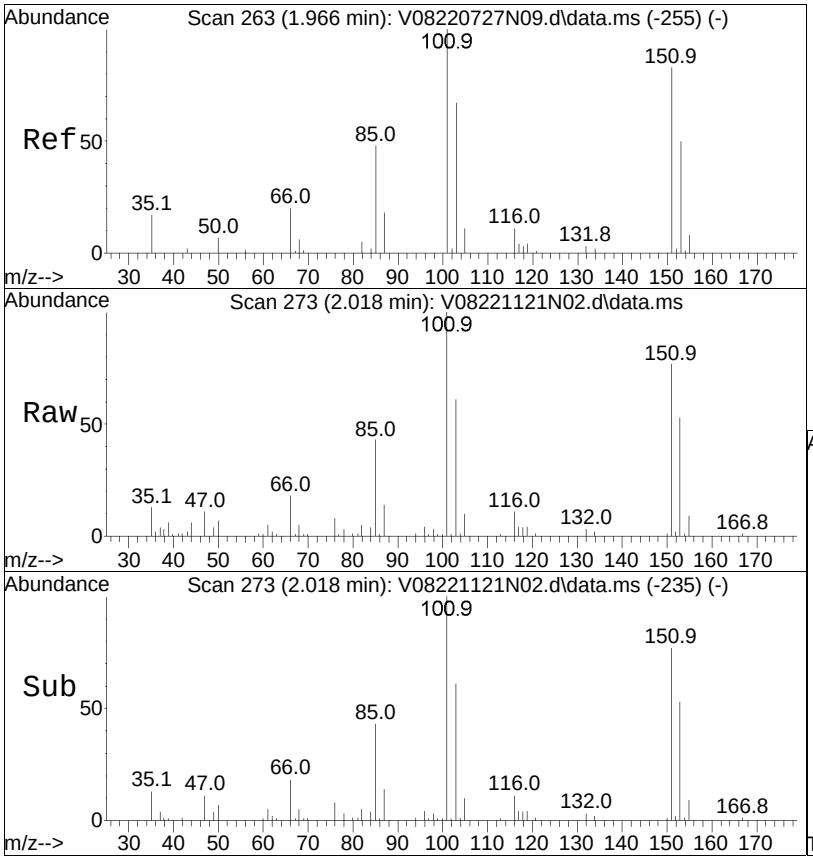


#11
Carbon disulfide
Concen: 11.28 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 76 Resp: 115810

Ion	Ratio	Lower	Upper
76	100		
78	9.1	5.7	11.7

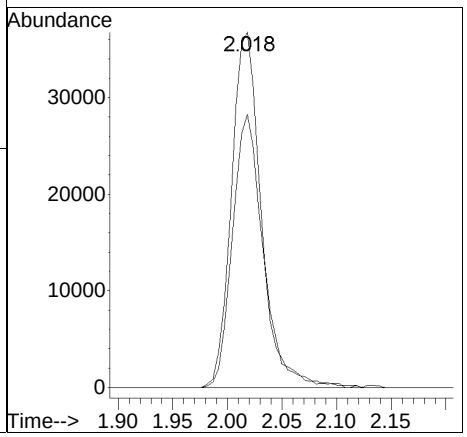


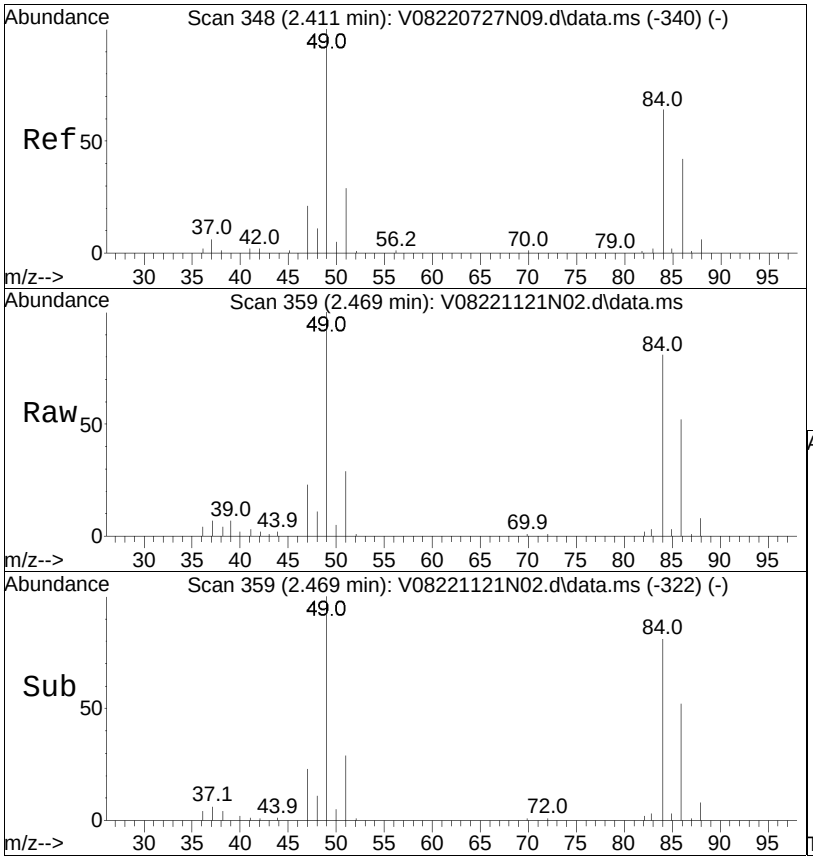


#12
Freon-113
Concen: 11.57 ug/L
RT: 2.018 min Scan# 273
Delta R.T. 0.000 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:101 Resp: 70349

Ion	Ratio	Lower	Upper
101	100		
151	78.0	59.8	89.8

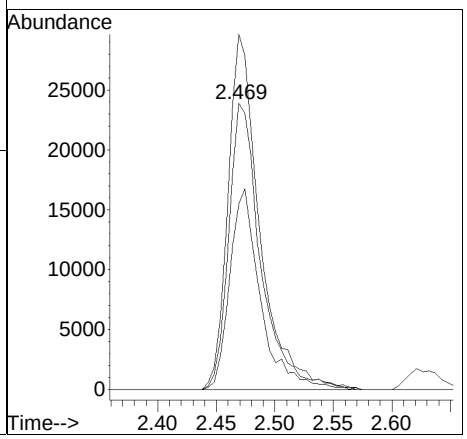


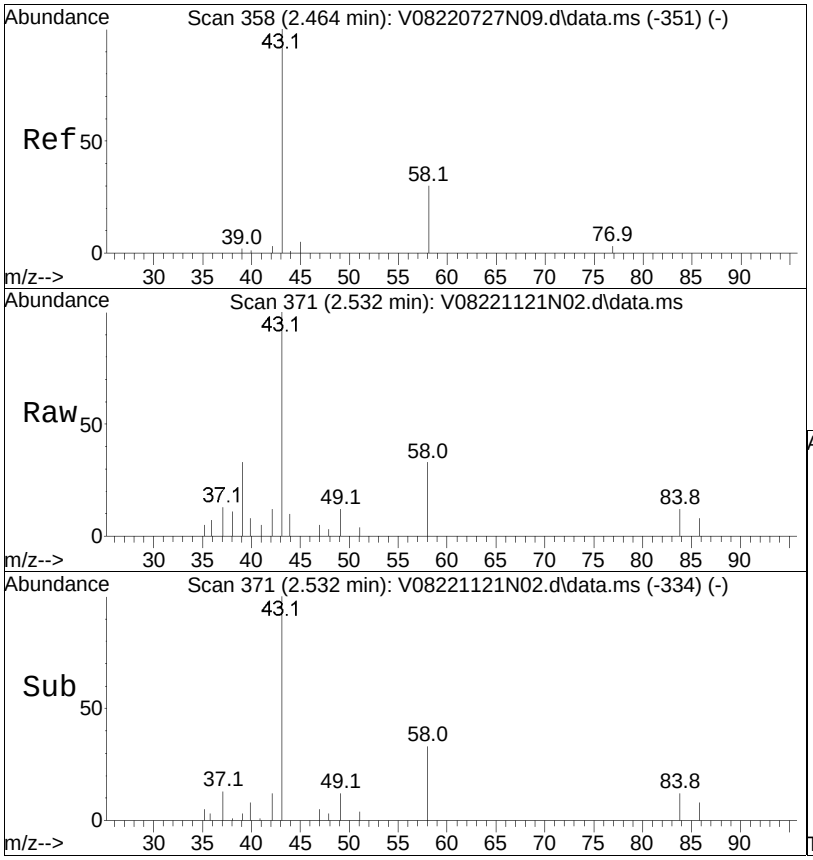


#15
Methylene chloride
Concen: 9.04 ug/L
RT: 2.469 min Scan# 359
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 84 Resp: 45468

Ion	Ratio	Lower	Upper
84	100		
86	67.4	40.4	83.8
49	123.1	120.0	249.2

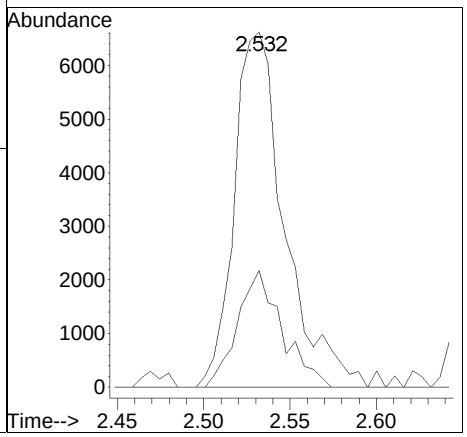


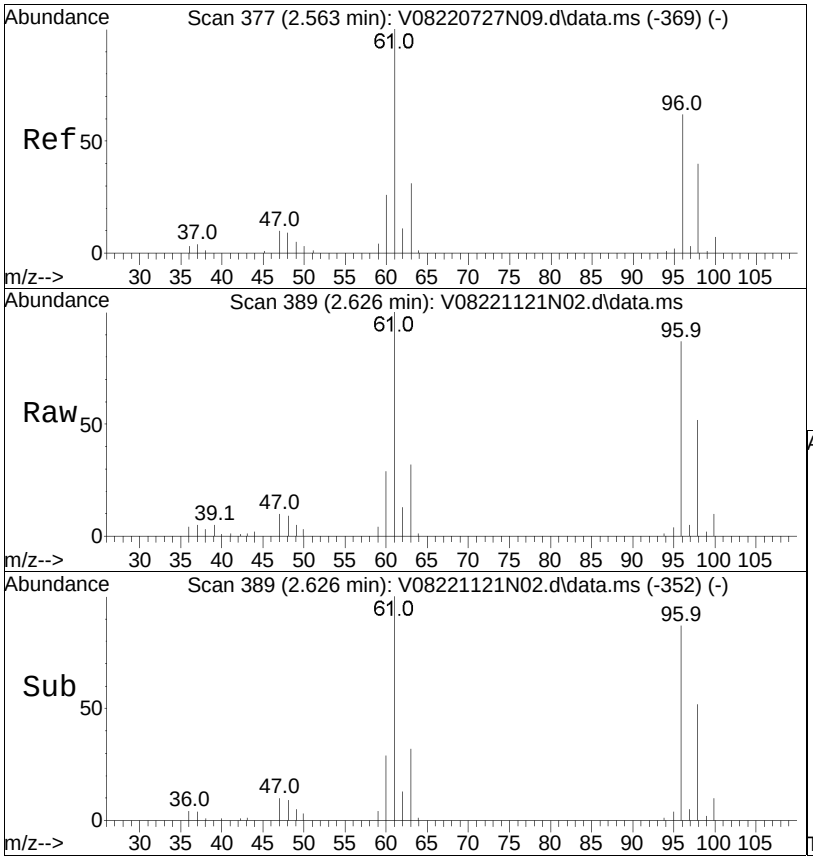


#17
Acetone
Concen: 9.73 ug/L
RT: 2.532 min Scan# 371
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 43 Resp: 13430

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4

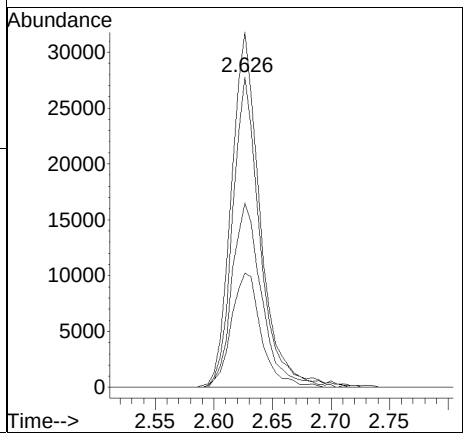


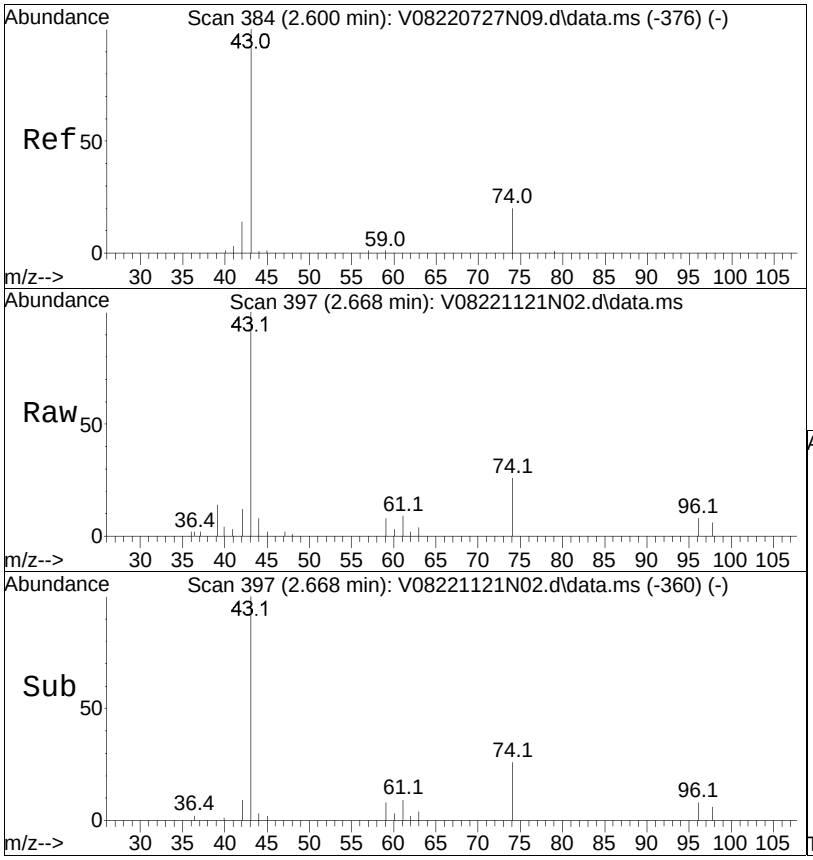


#18
trans-1,2-Dichloroethene
Concen: 9.55 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 96 Resp: 45831

Ion	Ratio	Lower	Upper
96	100		
61	120.1	124.0	257.6#
98	64.1	41.2	85.6
63	40.0	38.4	79.7

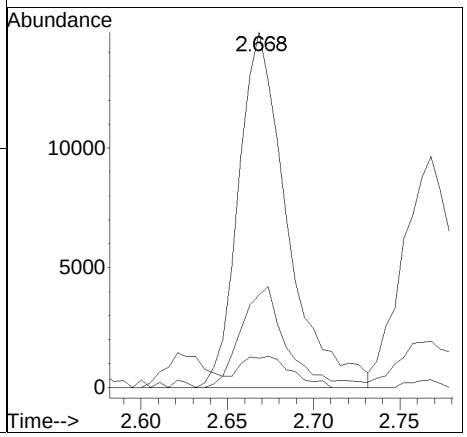


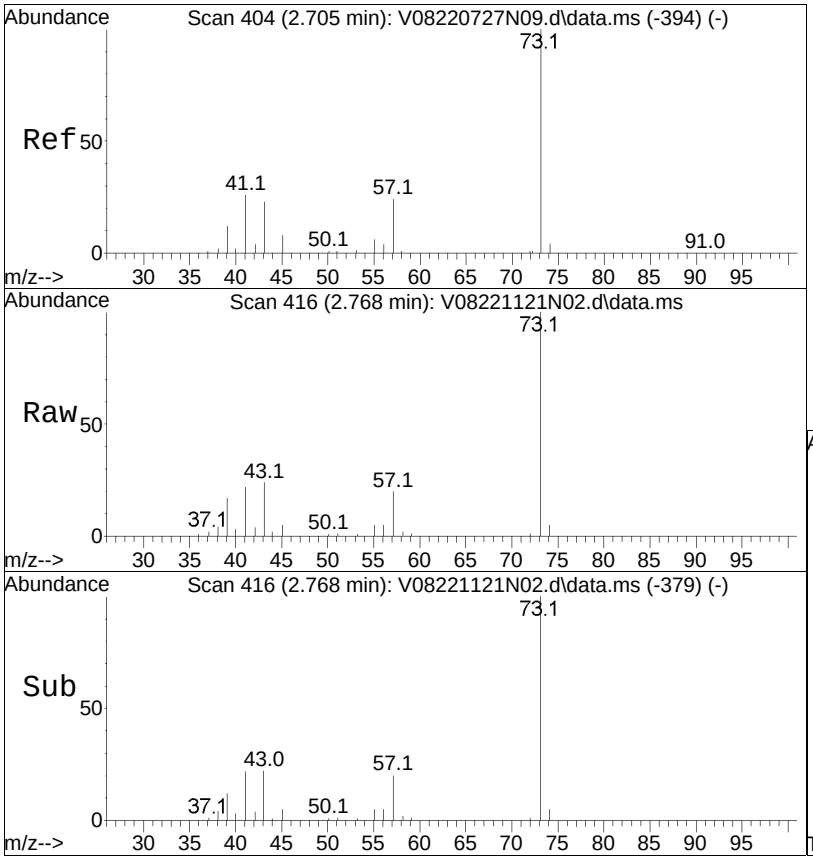


#19
Methyl acetate
Concen: 8.43 ug/L
RT: 2.668 min Scan# 397
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 43 Resp: 29107

Ion	Ratio	Lower	Upper
43	100		
74	26.8	14.2	21.4#
59	8.9	5.0	7.6#

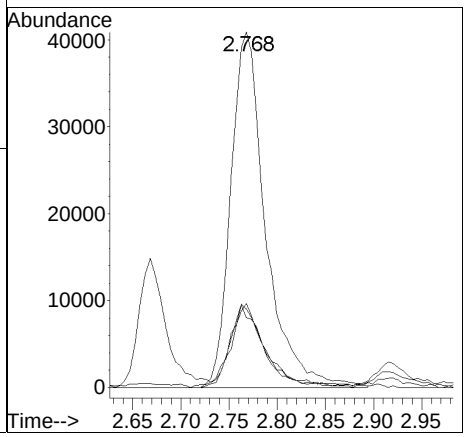


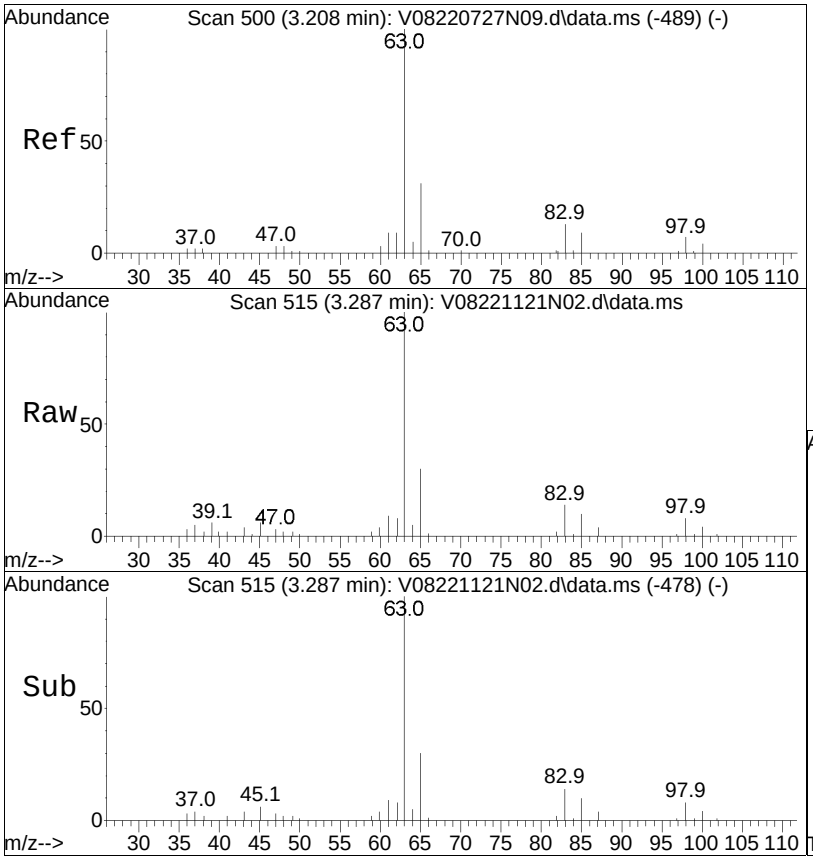


#20
Methyl tert-butyl ether
Concen: 8.00 ug/L
RT: 2.768 min Scan# 416
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 73 Resp: 102799

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.5	36.3
43	21.1	15.3	31.9
41	23.3	15.3	31.7

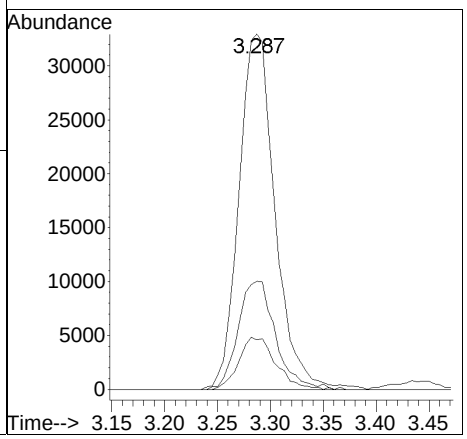


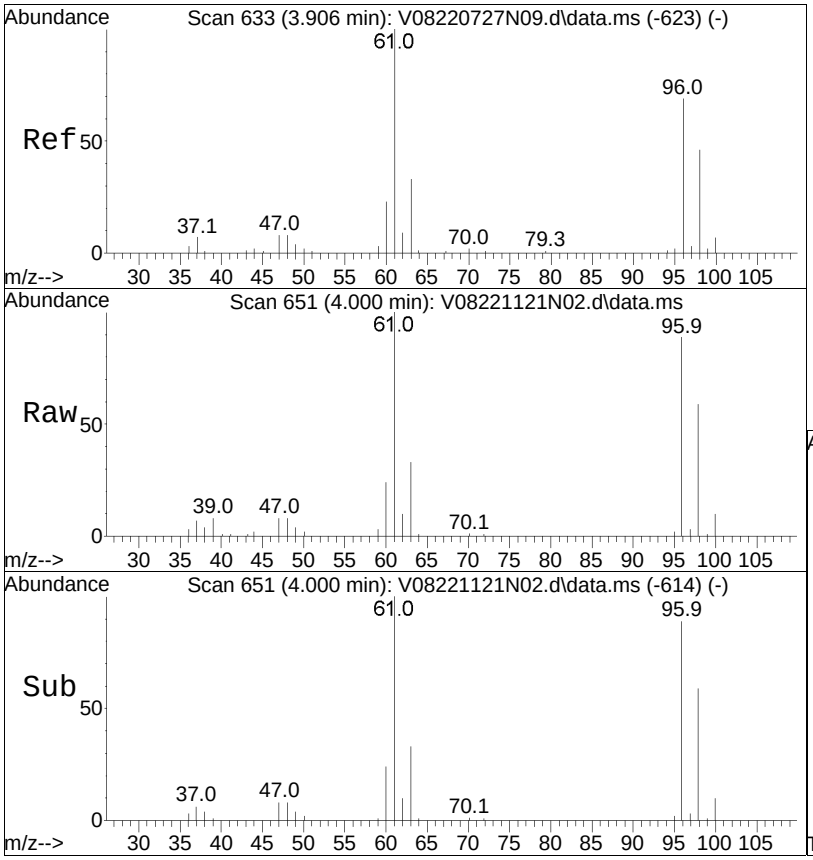


#23
1,1-Dichloroethane
Concen: 10.11 ug/L
RT: 3.287 min Scan# 515
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 63 Resp: 78310

Ion	Ratio	Lower	Upper
63	100		
65	31.5	11.0	51.0
83	15.0	0.0	31.8

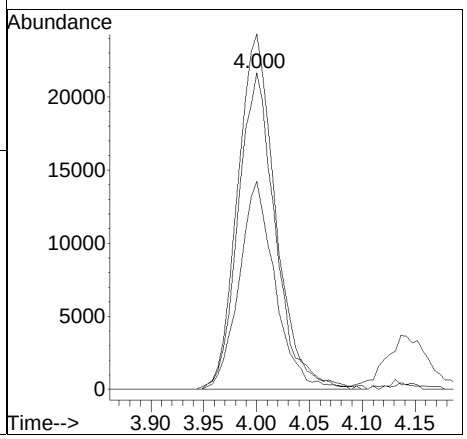


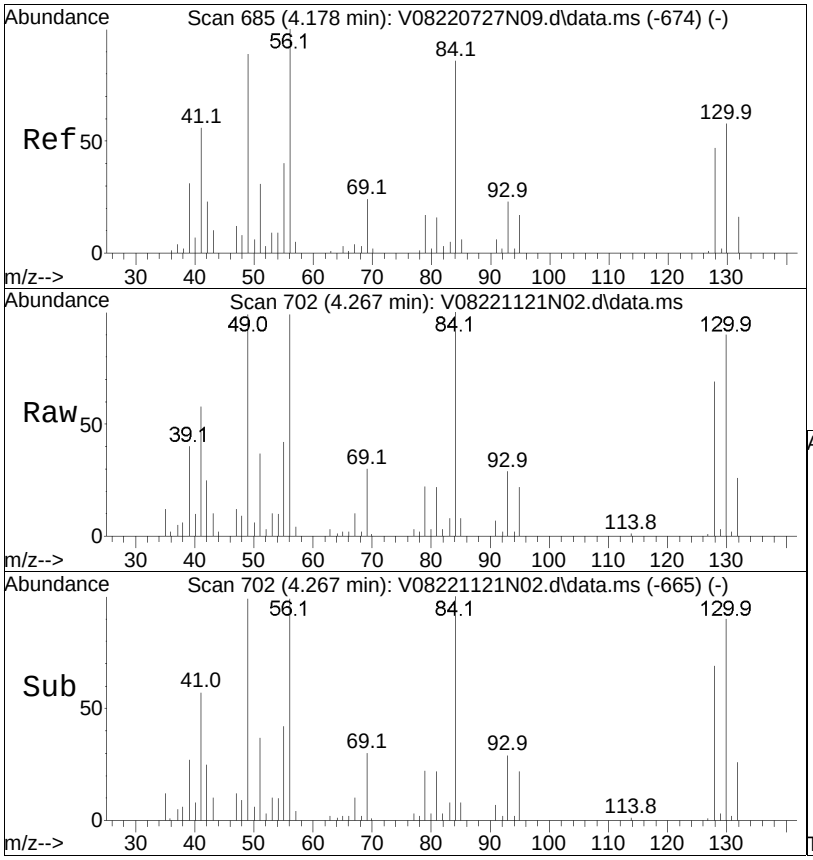


#28
cis-1,2-Dichloroethene
Concen: 9.56 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 96 Resp: 52992

Ion	Ratio	Lower	Upper
96	100		
61	114.3	149.4	224.2#
98	63.8	53.4	80.2

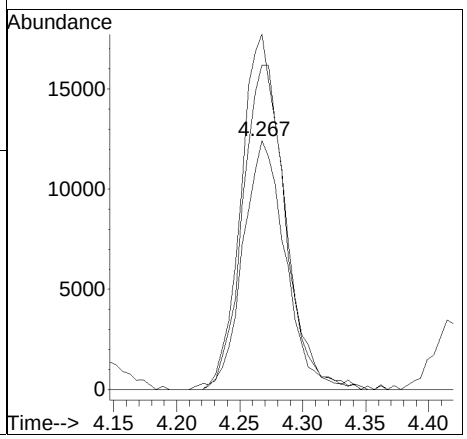


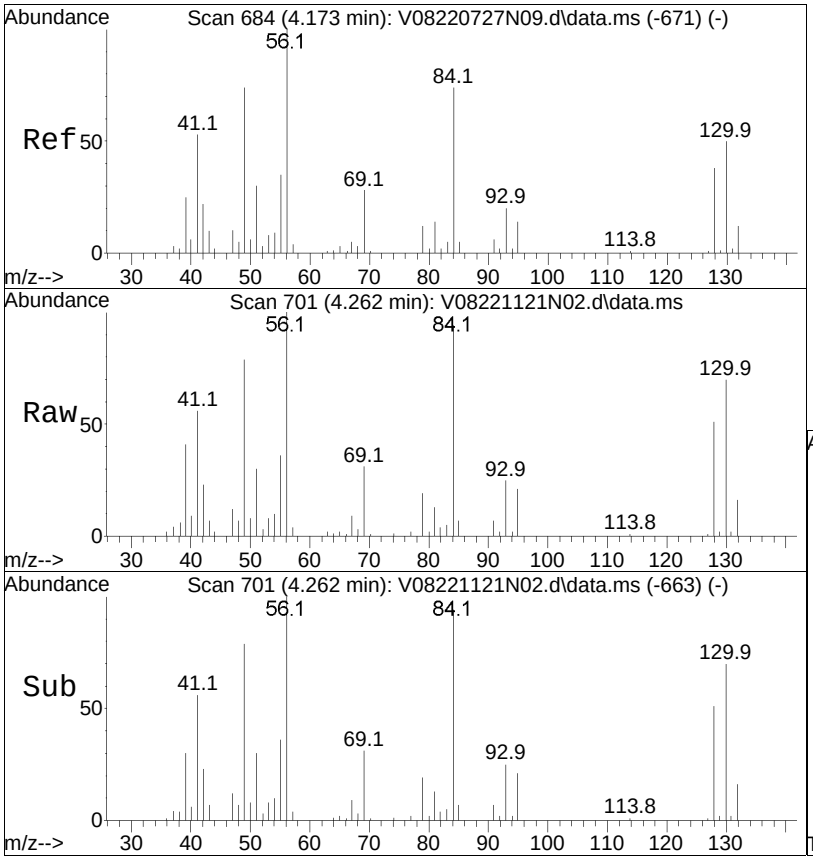


#30
Bromochloromethane
Concen: 9.50 ug/L
RT: 4.267 min Scan# 702
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:128 Resp: 29102

Ion	Ratio	Lower	Upper
128	100		
49	142.7	223.0	334.4#
130	133.7	111.4	167.0

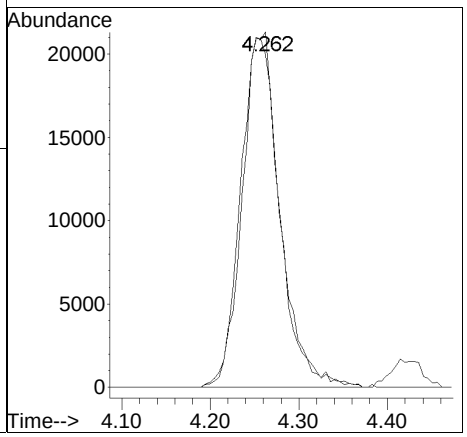


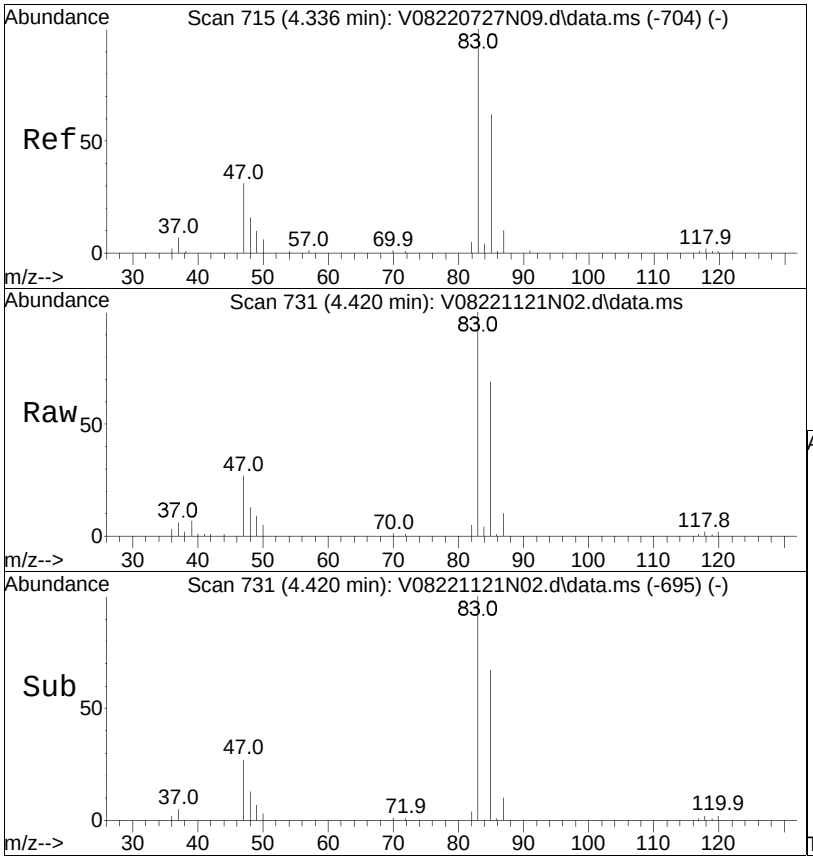


#31
Cyclohexane
Concen: 9.78 ug/L
RT: 4.262 min Scan# 701
Delta R.T. 0.000 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 56 Resp: 65167

Ion	Ratio	Lower	Upper
56	100		
84	95.1	38.4	79.8#

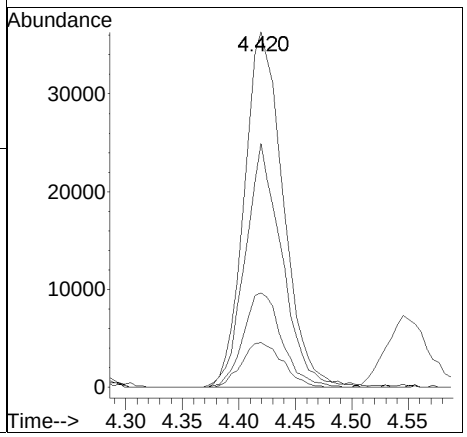


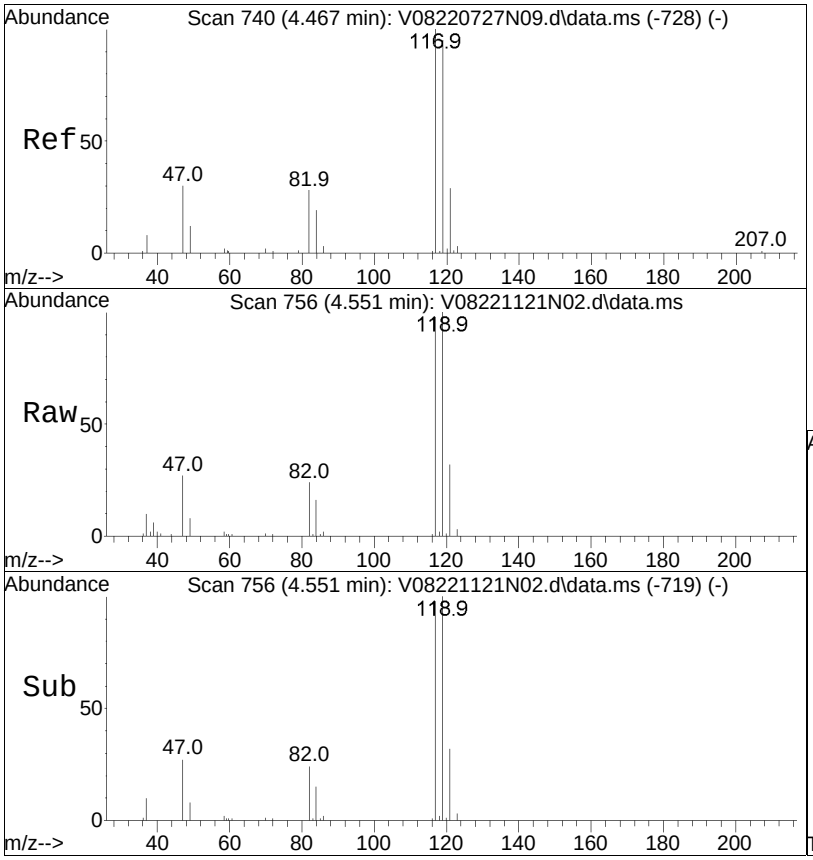


#32
Chloroform
Concen: 9.90 ug/L
RT: 4.420 min Scan# 731
Delta R.T. -0.010 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 83 Resp: 87576

Ion	Ratio	Lower	Upper
83	100		
85	64.5	41.5	86.1
47	26.5	19.0	39.4
48	13.3	9.9	20.5

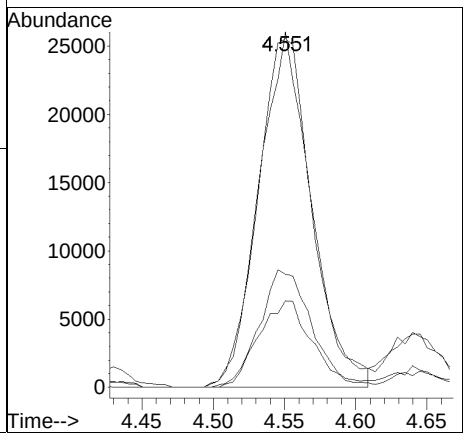


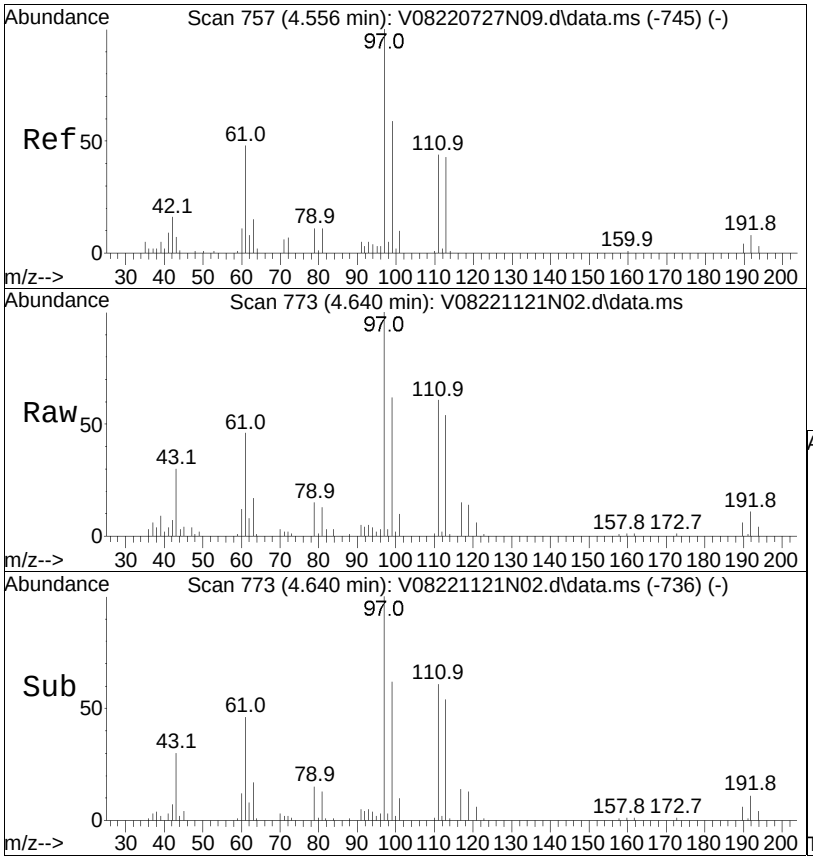


#34
Carbon tetrachloride
Concen: 9.75 ug/L
RT: 4.551 min Scan# 756
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:117 Resp: 68280

Ion	Ratio	Lower	Upper
117	100		
119	96.7	62.4	129.6
121	32.1	19.5	40.5
82	24.6	17.0	35.4

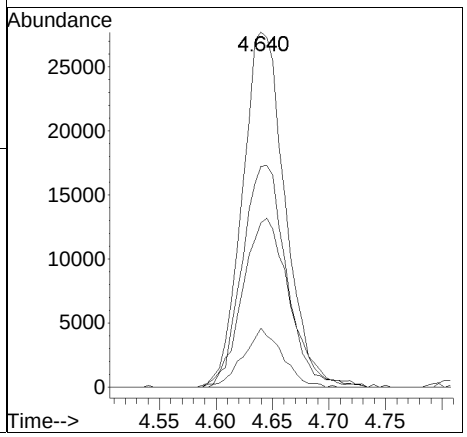


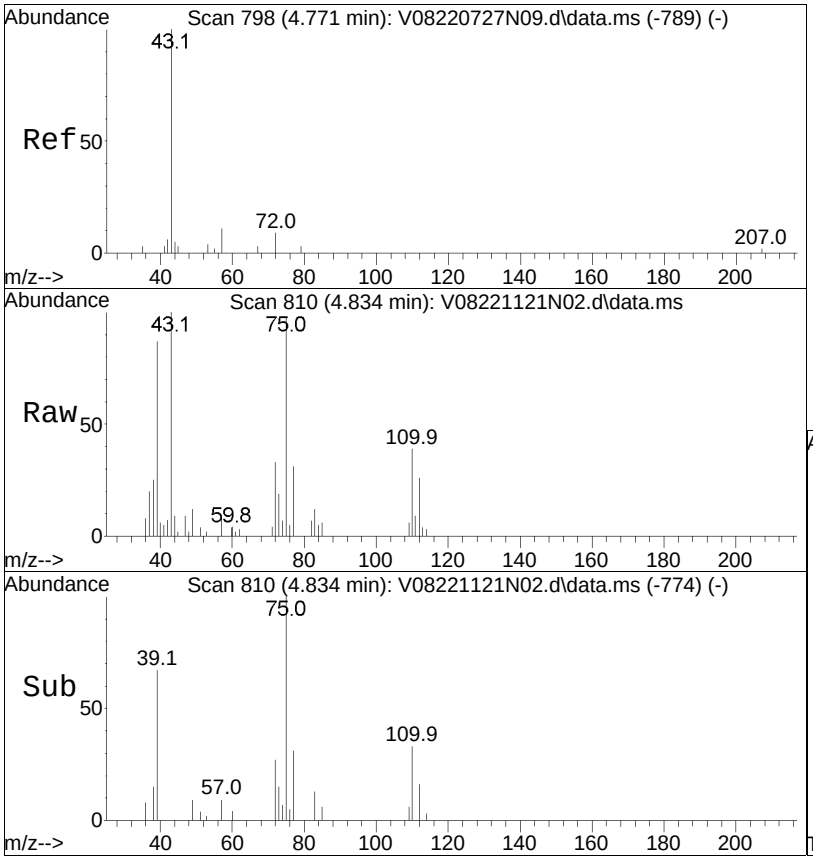


#37
1,1,1-Trichloroethane
Concen: 9.49 ug/L
RT: 4.640 min Scan# 773
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 97 Resp: 73573

Ion	Ratio	Lower	Upper
97	100		
99	64.1	40.7	84.5
61	52.4	35.4	73.4
63	15.2	5.0	10.4#

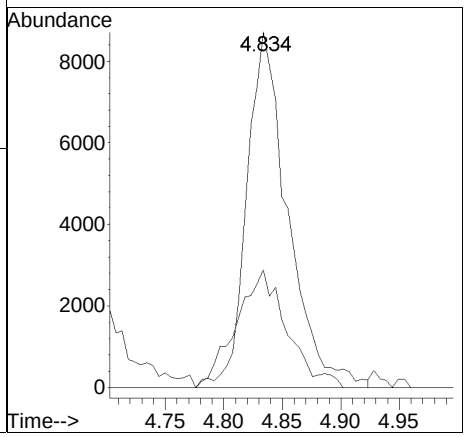


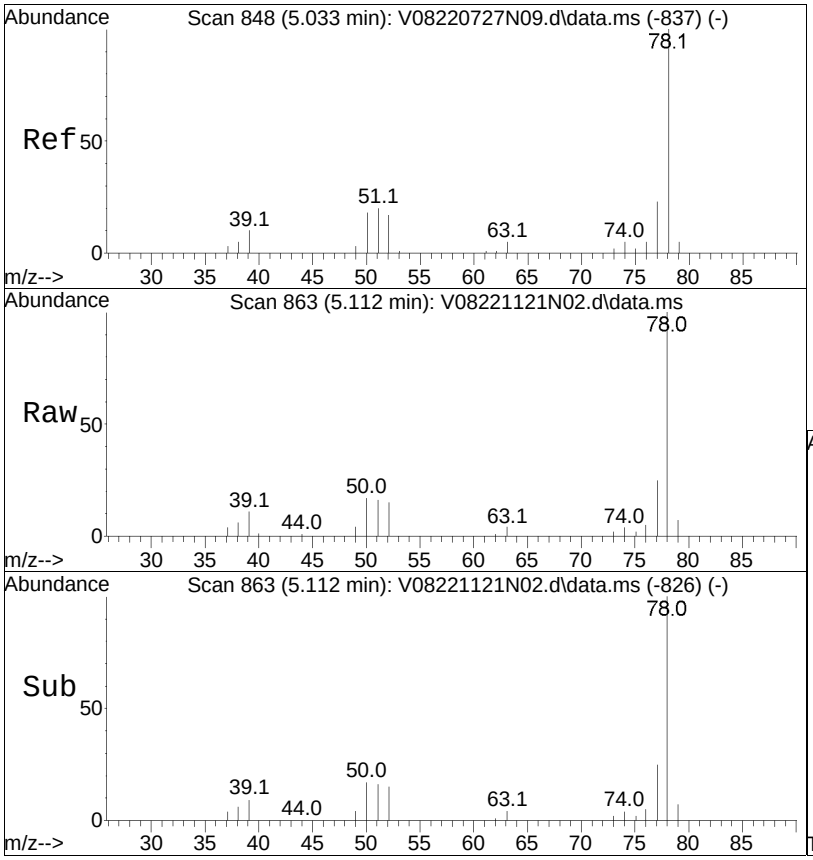


#39
2-Butanone
Concen: 9.26 ug/L
RT: 4.834 min Scan# 810
Delta R.T. -0.010 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 43 Resp: 21267

Ion	Ratio	Lower	Upper
43	100		
72	39.6	10.9	16.3#

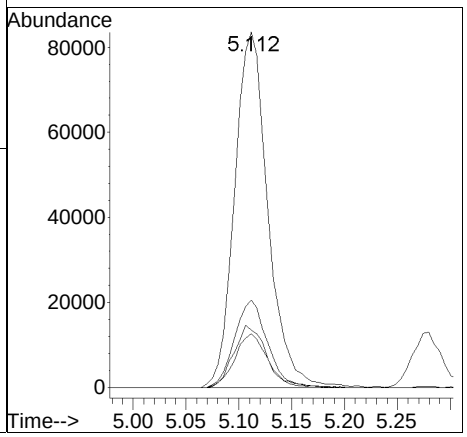


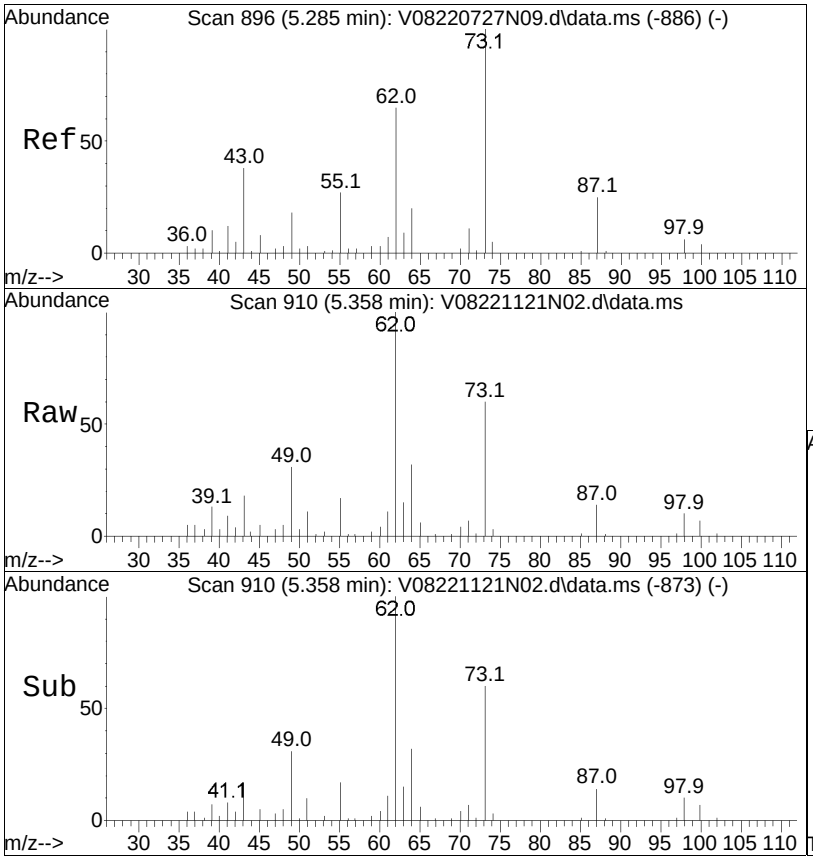


#41
Benzene
Concen: 9.90 ug/L
RT: 5.112 min Scan# 863
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 78 Resp: 183039

Ion	Ratio	Lower	Upper
78	100		
77	24.2	15.7	32.7
51	17.3	16.0	33.2
52	14.8	15.3	31.9#

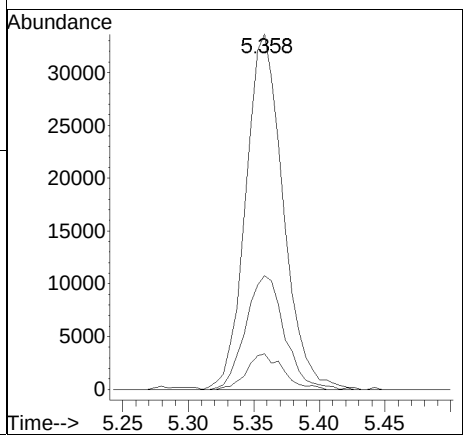


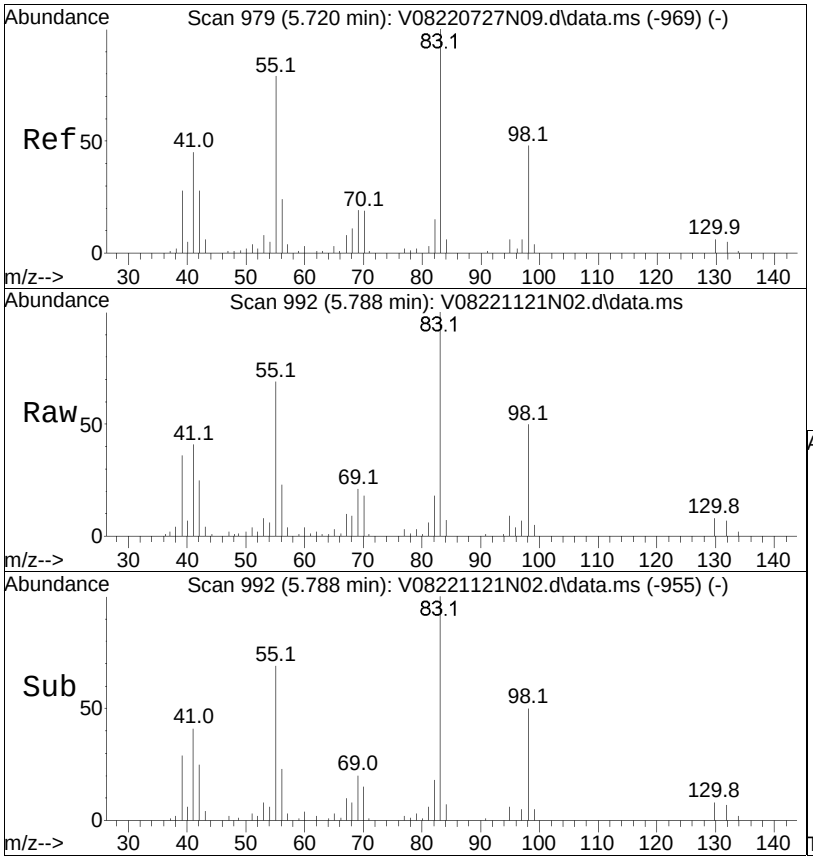


#44
1,2-Dichloroethane
Concen: 9.67 ug/L
RT: 5.358 min Scan# 910
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 62 Resp: 66771

Ion	Ratio	Lower	Upper
62	100		
64	33.1	11.2	51.2
98	9.7	0.0	26.1

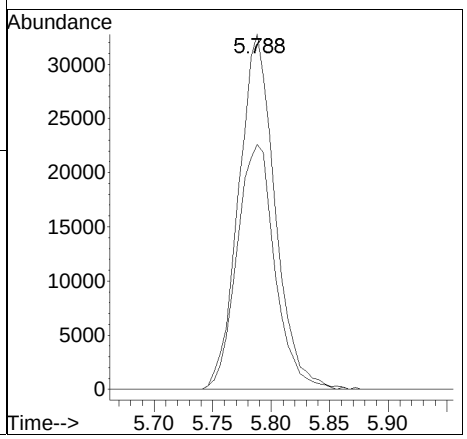


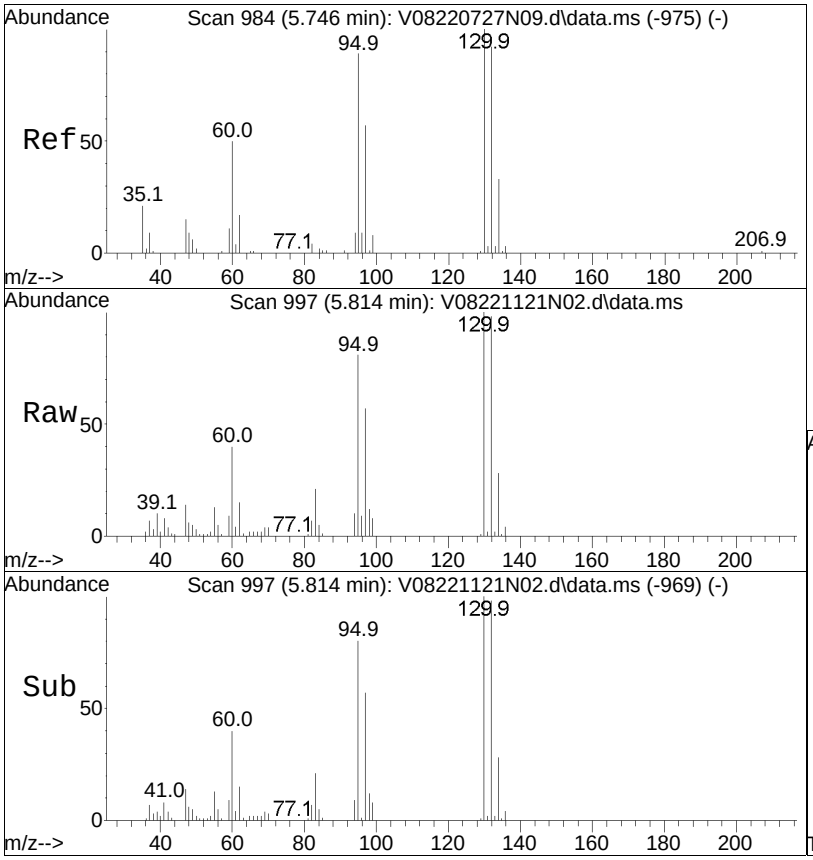


#47
Methyl cyclohexane
Concen: 9.20 ug/L
RT: 5.788 min Scan# 992
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 83 Resp: 71056

Ion	Ratio	Lower	Upper
83	100		
55	71.7	88.3	132.5#

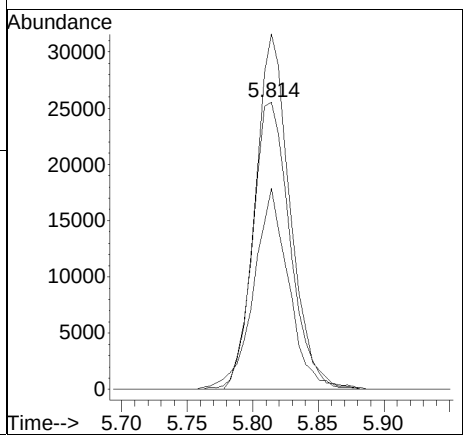


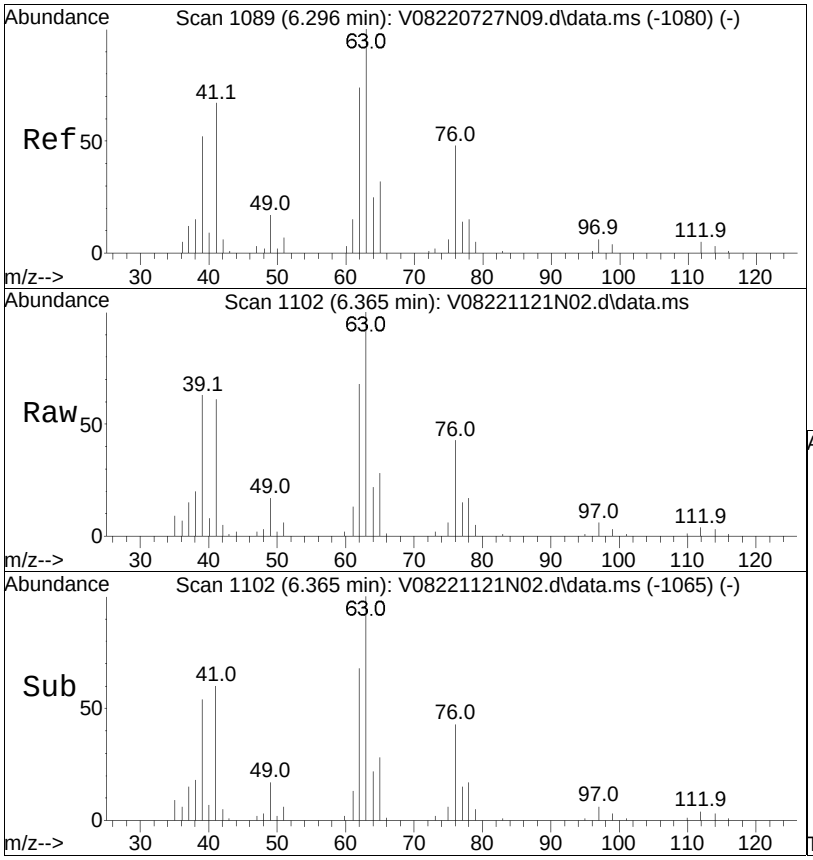


#48
Trichloroethene
Concen: 9.39 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 95 Resp: 50522

Ion	Ratio	Lower	Upper
95	100		
97	65.9	55.5	83.3
130	115.3	76.6	115.0#

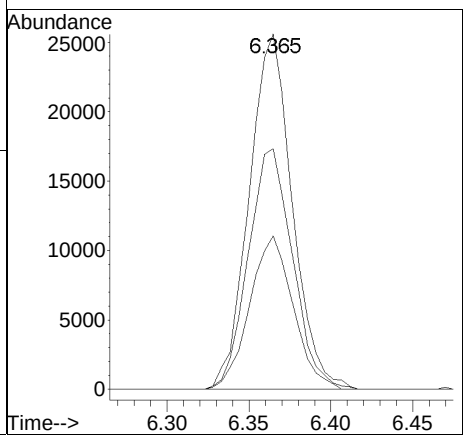


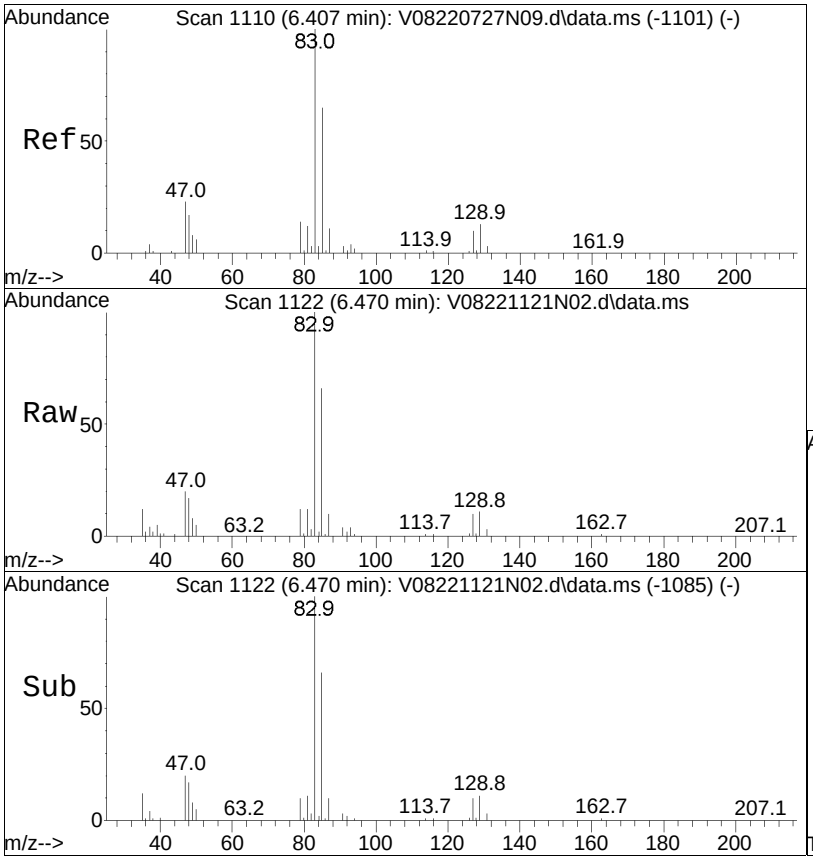


#51
1,2-Dichloropropane
Concen: 10.04 ug/L
RT: 6.365 min Scan# 1102
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 63 Resp: 46940

Ion	Ratio	Lower	Upper
63	100		
62	69.5	58.6	87.8
76	43.6	38.0	57.0

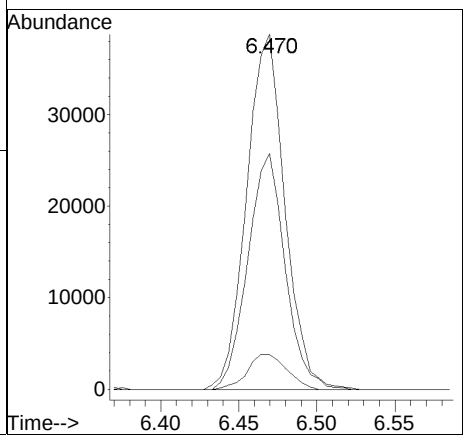


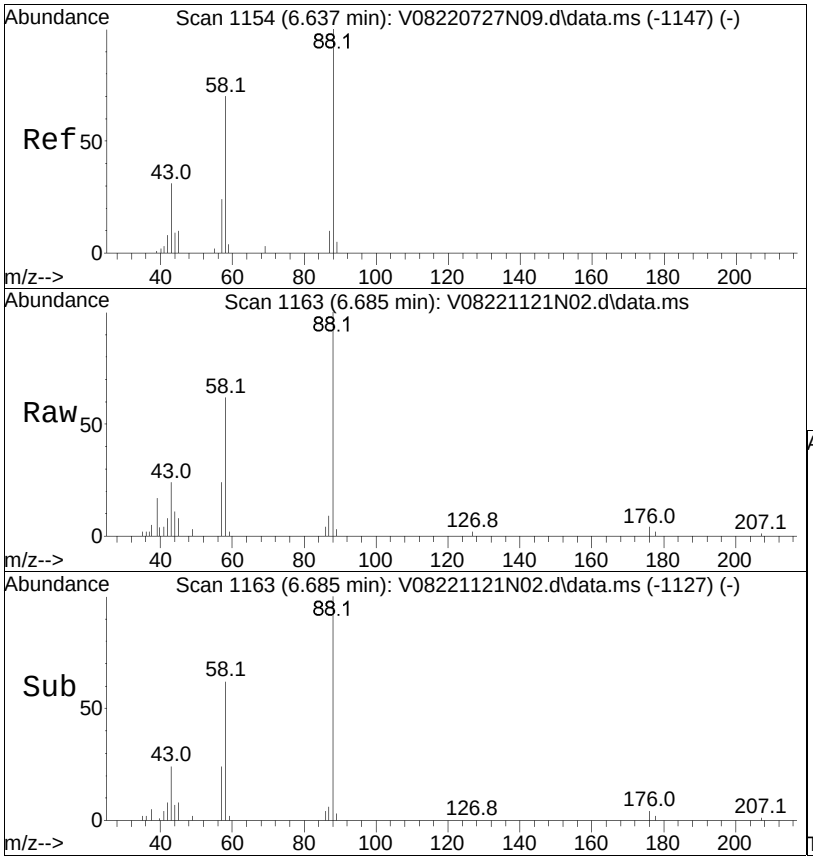


#54
Bromodichloromethane
Concen: 9.47 ug/L
RT: 6.470 min Scan# 1122
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 83 Resp: 66150

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5
127	10.2	6.2	9.4#

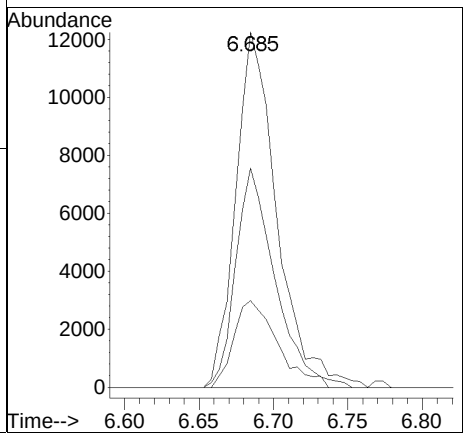


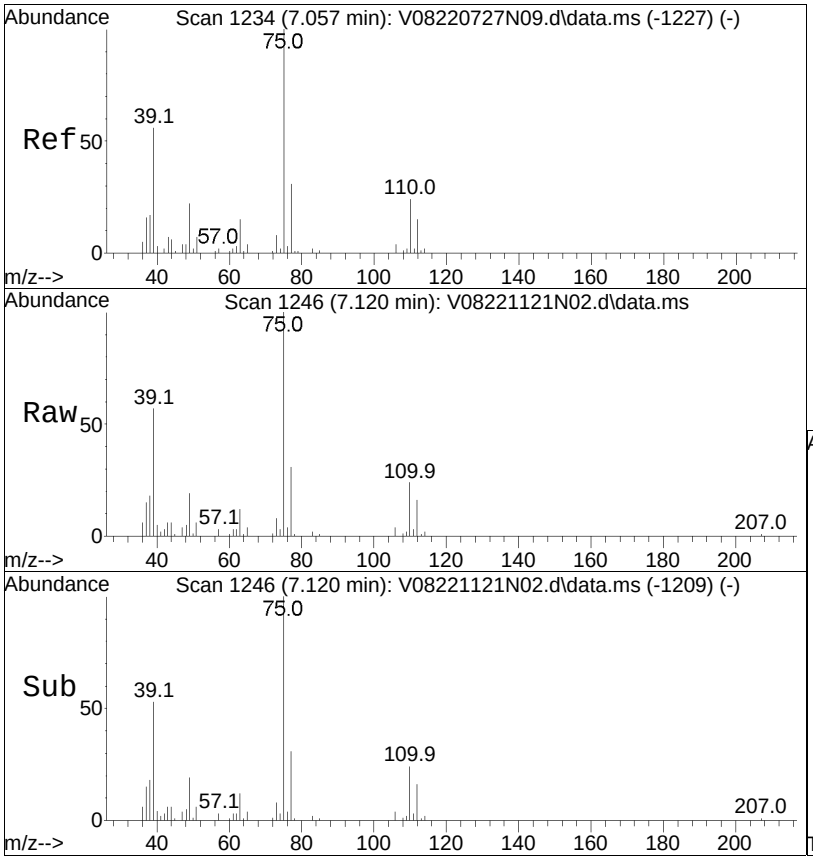


#57
1,4-Dioxane
Concen: 433.98 ug/L
RT: 6.685 min Scan# 1163
Delta R.T. -0.010 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 88 Resp: 23609

Ion	Ratio	Lower	Upper
88	100		
58	58.9	76.7	115.1#
43	26.0	36.2	54.2#

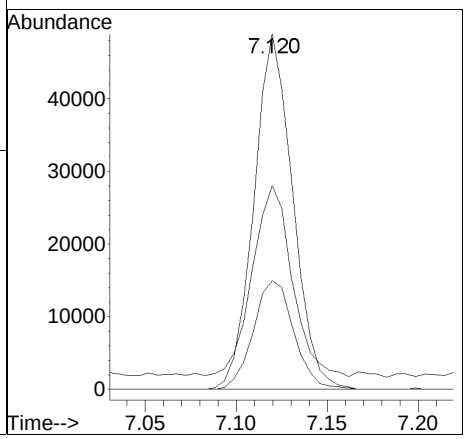


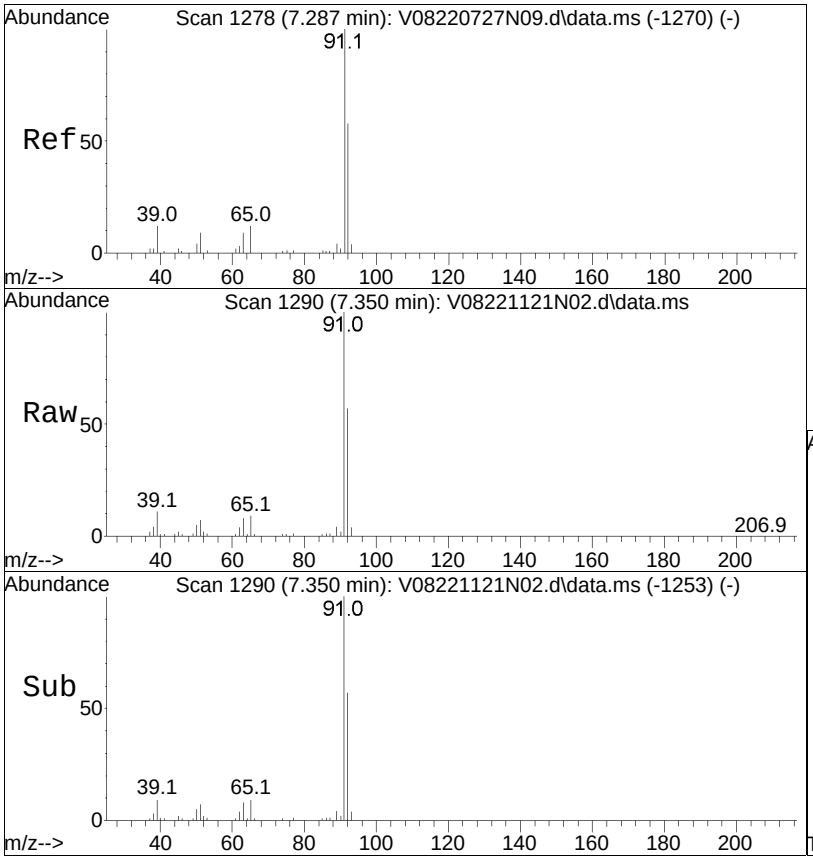


#58
cis-1,3-Dichloropropene
Concen: 8.81 ug/L
RT: 7.120 min Scan# 1246
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 75 Resp: 72503

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	55.0	50.1	75.1

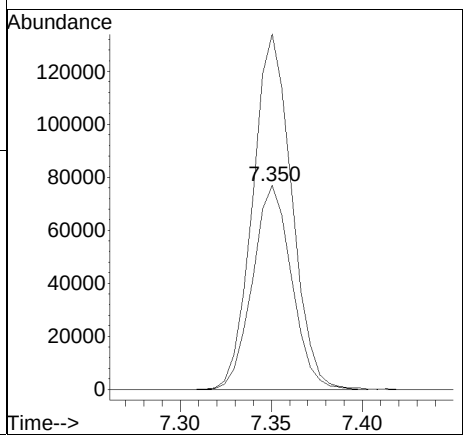


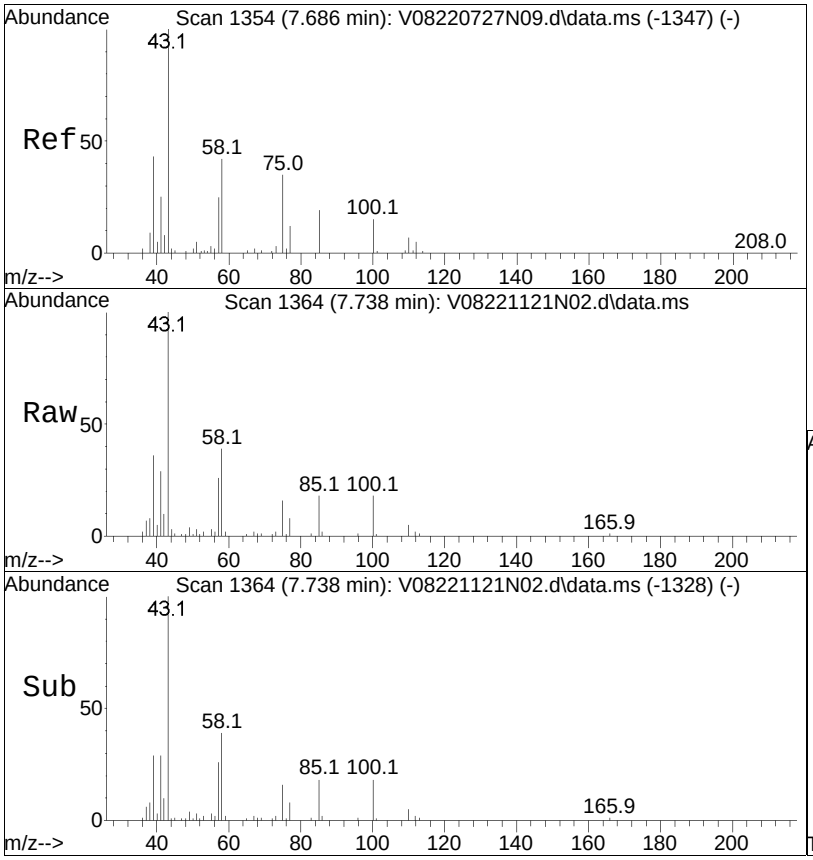


#61
Toluene
Concen: 9.64 ug/L
RT: 7.350 min Scan# 1290
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 92 Resp: 114473

Ion	Ratio	Lower	Upper
92	100		
91	174.1	139.8	209.6

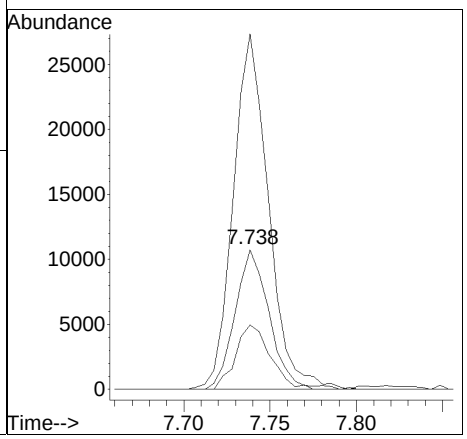


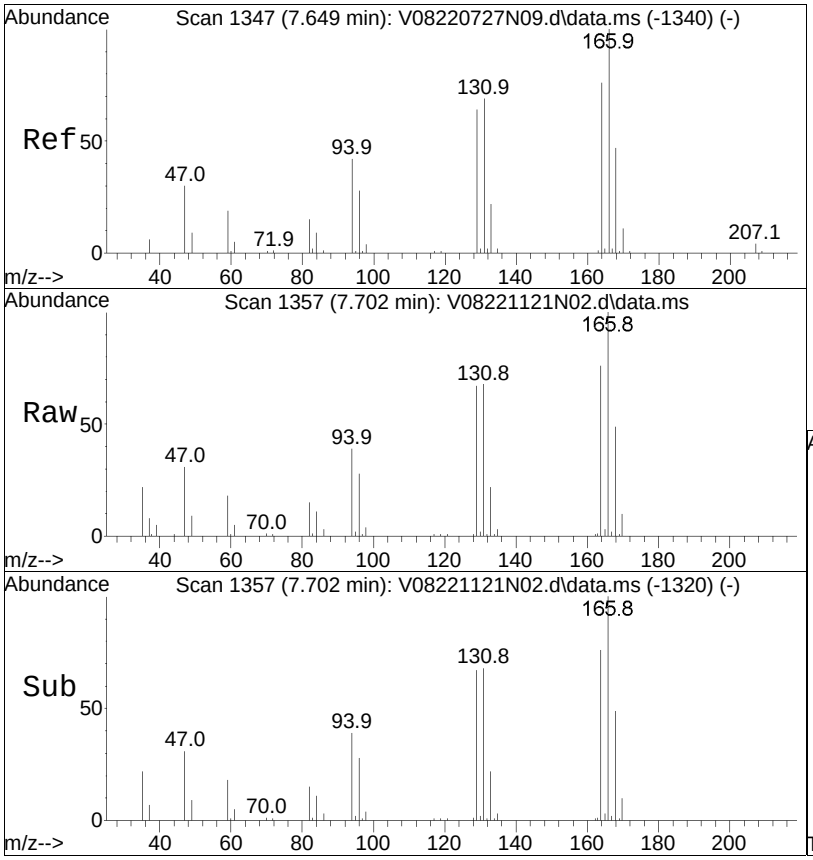


#62
4-Methyl-2-pentanone
Concen: 8.65 ug/L
RT: 7.738 min Scan# 1364
Delta R.T. -0.010 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 58 Resp: 14911

Ion	Ratio	Lower	Upper
58	100		
100	46.4	20.2	30.2#
43	260.1	196.6	295.0

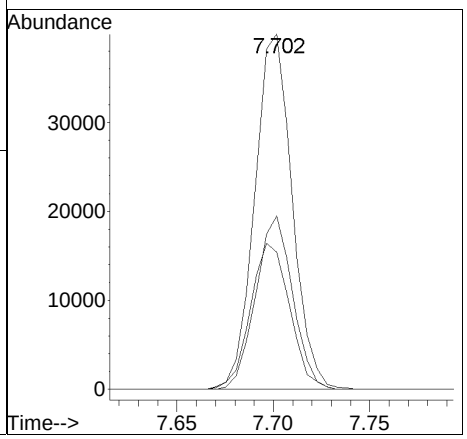


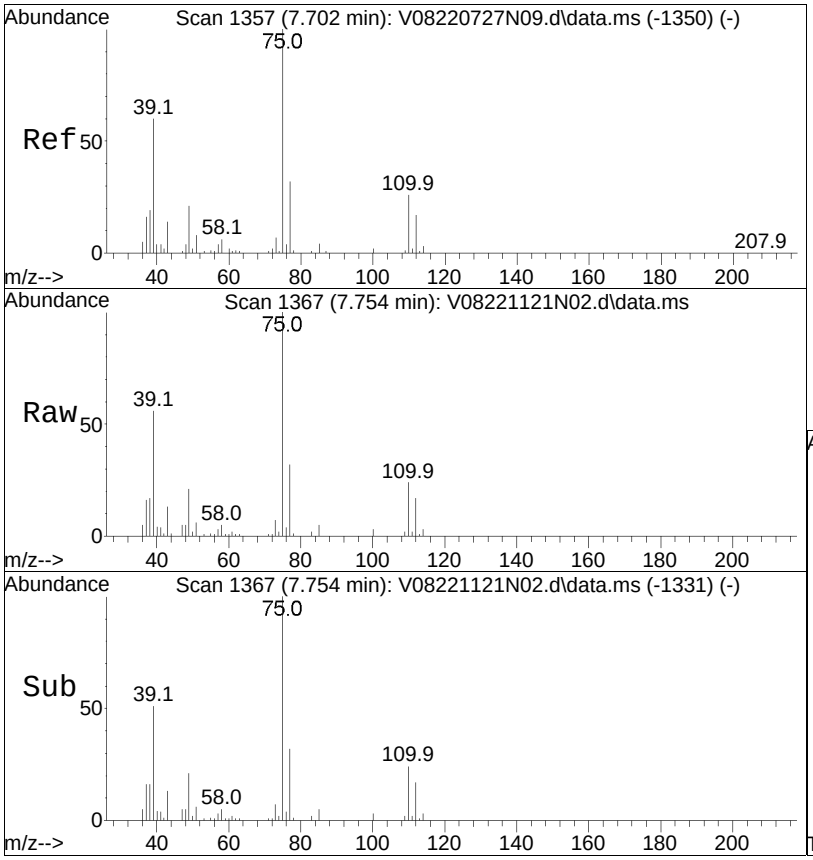


#63
Tetrachloroethene
Concen: 9.52 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:166 Resp: 53952

Ion	Ratio	Lower	Upper
166	100		
168	48.0	28.2	68.2
94	43.1	38.4	78.4

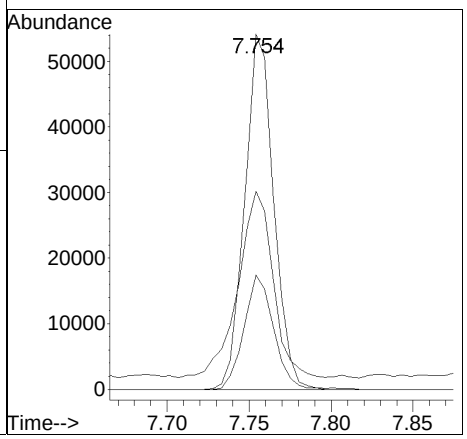


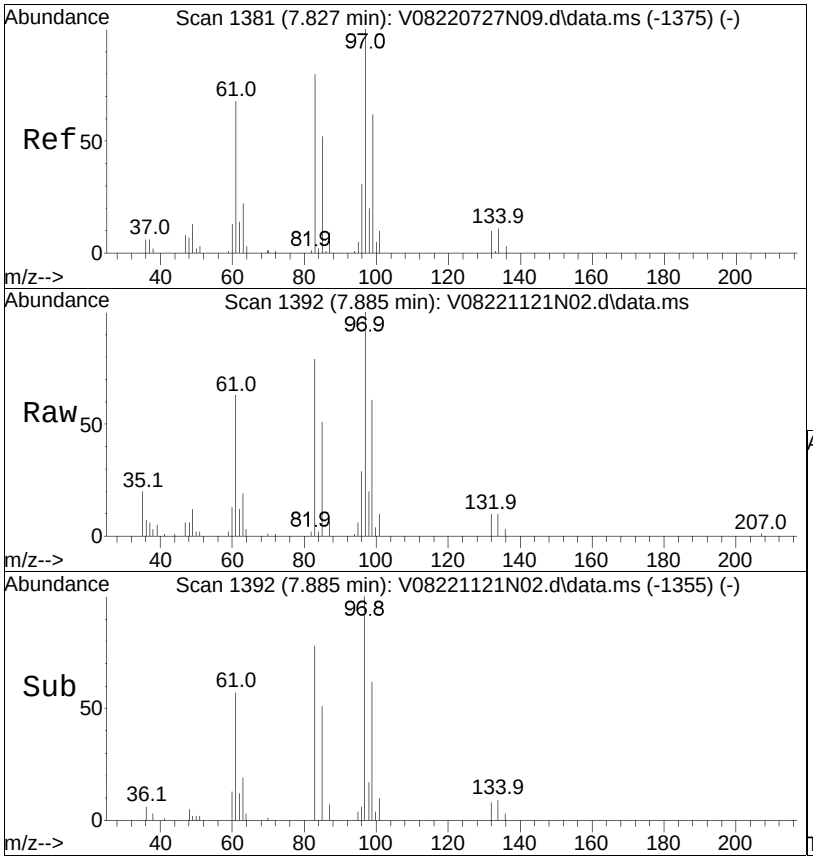


#65
trans-1,3-Dichloropropene
Concen: 9.05 ug/L
RT: 7.754 min Scan# 1367
Delta R.T. -0.010 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 75 Resp: 66871

Ion	Ratio	Lower	Upper
75	100		
77	32.6	12.4	52.4
39	62.9	42.8	82.8

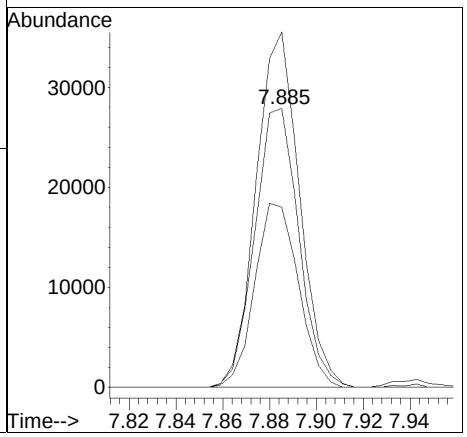


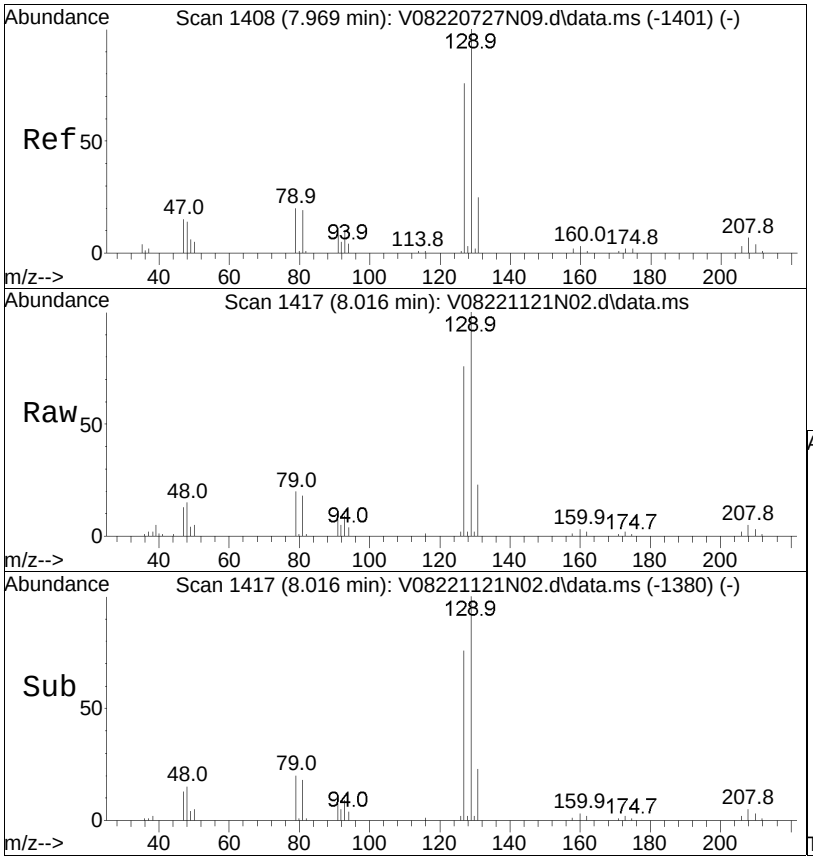


#68
1,1,2-Trichloroethane
Concen: 9.74 ug/L
RT: 7.885 min Scan# 1392
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 83 Resp: 36568

Ion	Ratio	Lower	Upper
83	100		
97	125.3	89.8	129.8
85	65.5	44.4	84.4

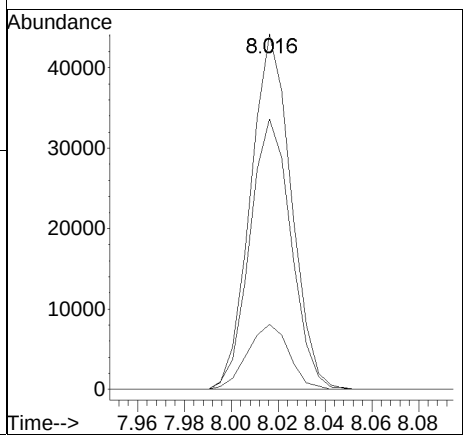


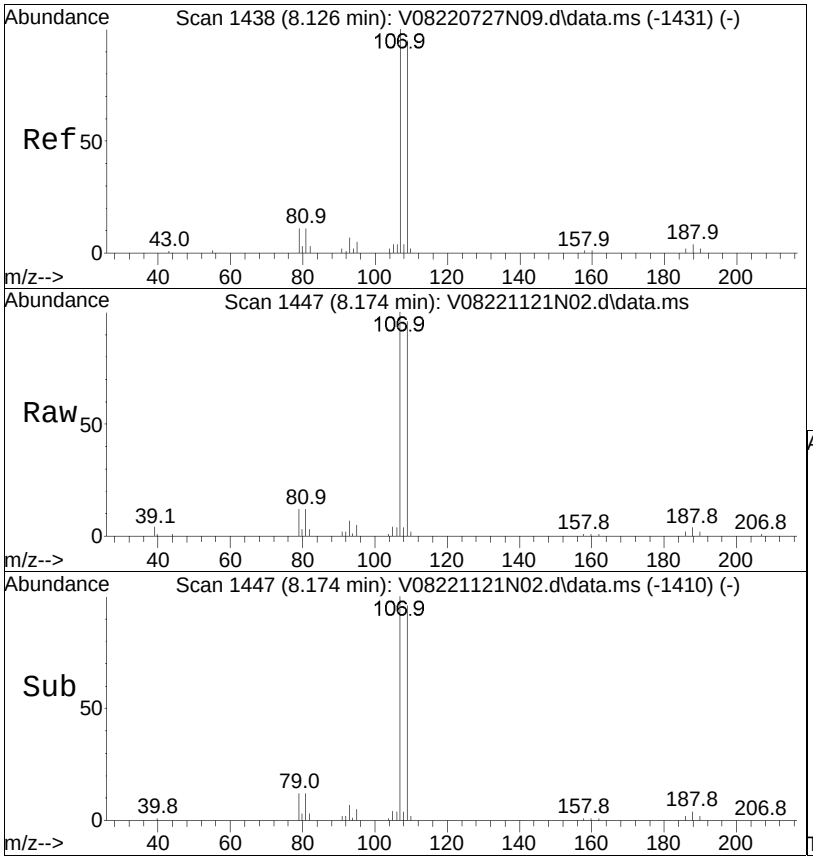


#69
Chlorodibromomethane
Concen: 9.15 ug/L
RT: 8.016 min Scan# 1417
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:129 Resp: 53371

Ion	Ratio	Lower	Upper
129	100		
81	18.7	2.9	42.9
127	77.4	57.8	97.8

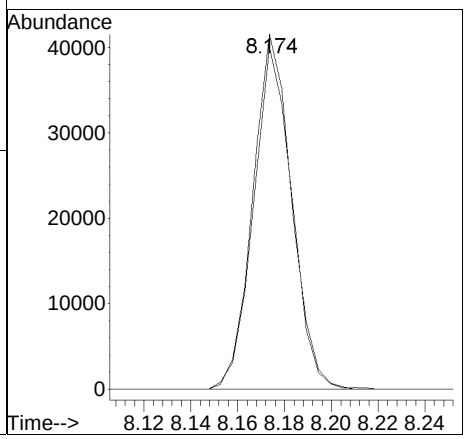


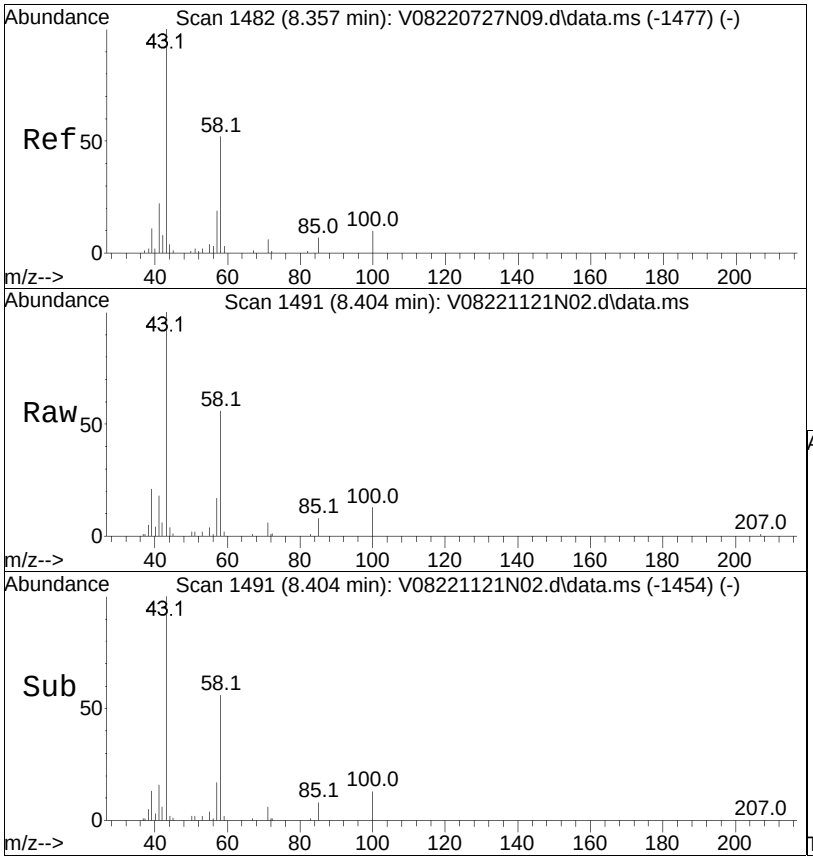


#71
1,2-Dibromoethane
Concen: 9.47 ug/L
RT: 8.174 min Scan# 1447
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:107 Resp: 47926

Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.3	111.5

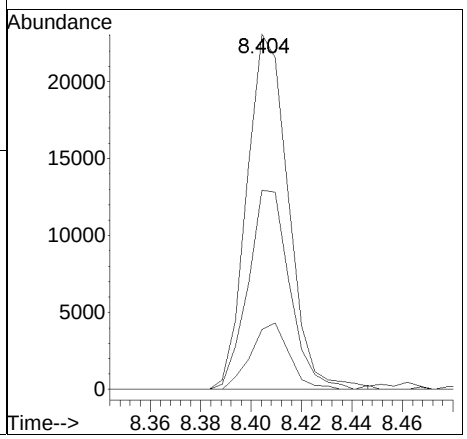


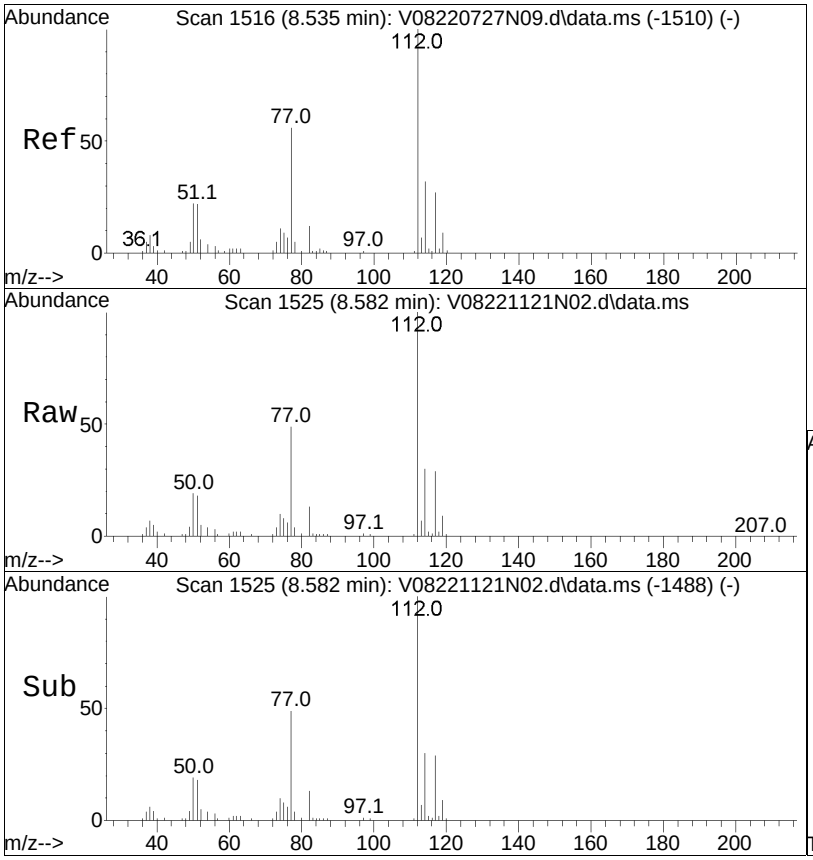


#72
2-Hexanone
Concen: 7.80 ug/L
RT: 8.404 min Scan# 1491
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 43 Resp: 26413

Ion	Ratio	Lower	Upper
43	100		
58	56.7	41.2	61.8
57	17.3	17.2	25.8

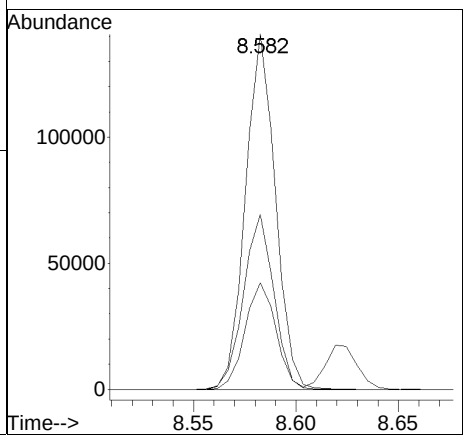


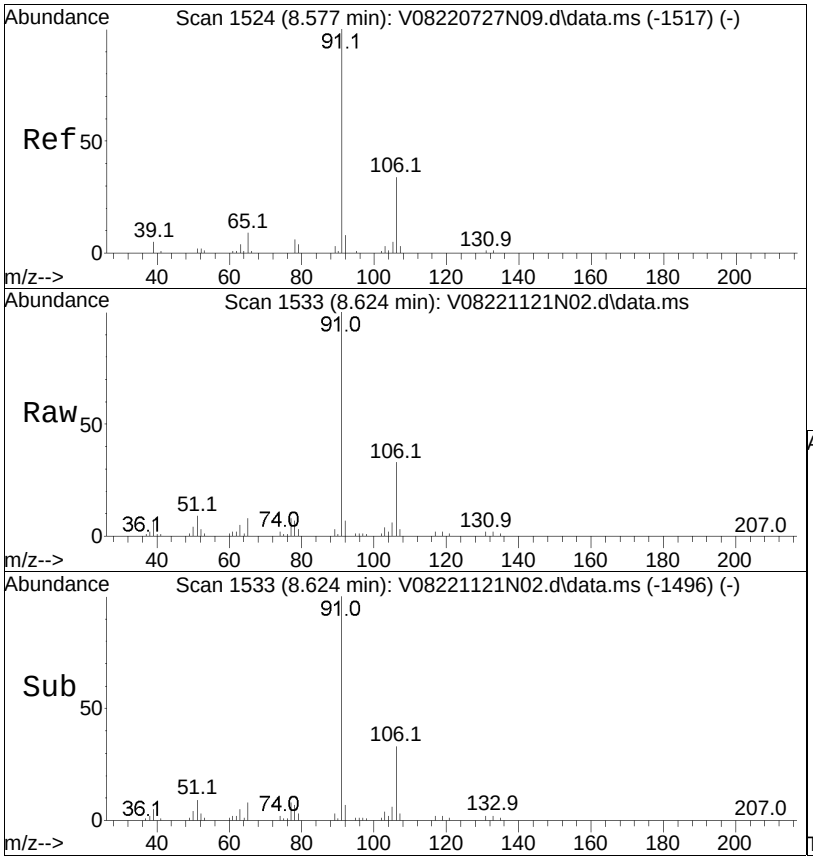


#73
Chlorobenzene
Concen: 9.76 ug/L
RT: 8.582 min Scan# 1525
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:112 Resp: 142857

Ion	Ratio	Lower	Upper
112	100		
77	50.1	55.4	83.0#
114	31.2	25.4	38.2

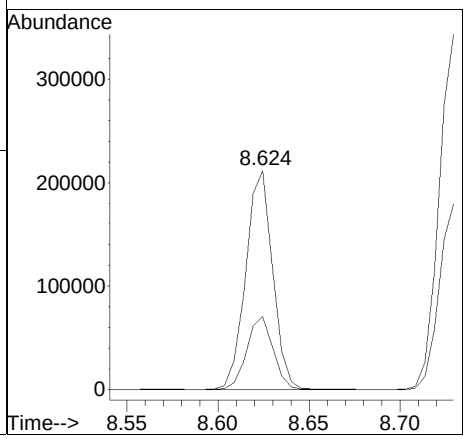


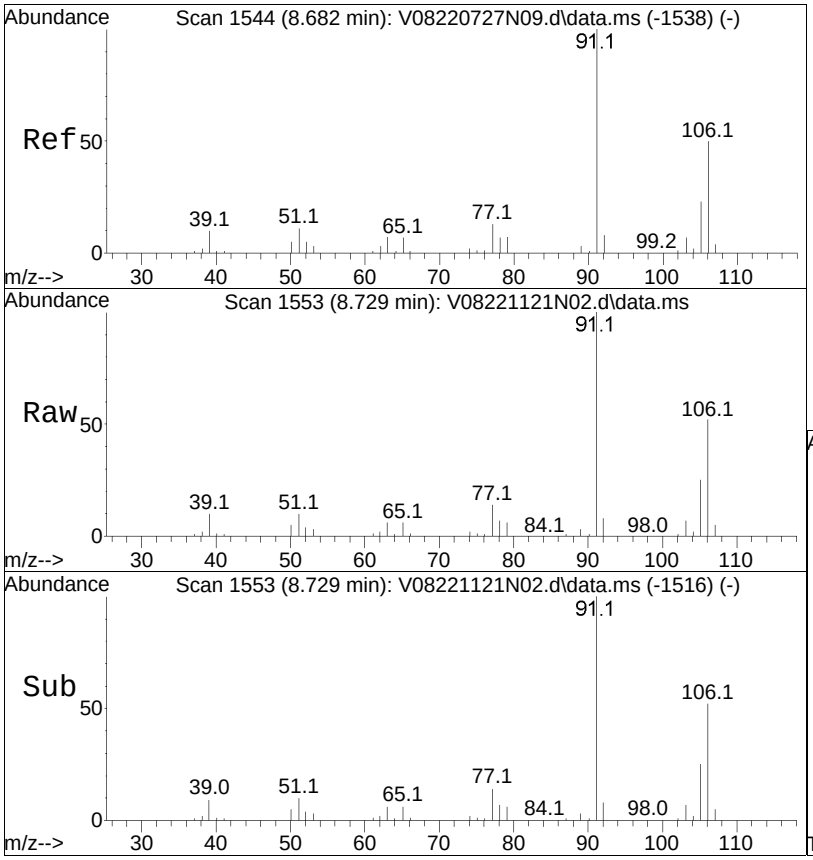


#74
Ethylbenzene
Concen: 9.54 ug/L
RT: 8.624 min Scan# 1533
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 91 Resp: 217285

Ion	Ratio	Lower	Upper
91	100		
106	32.4	24.3	36.5

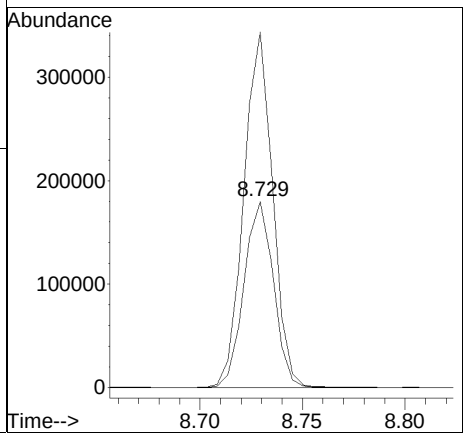


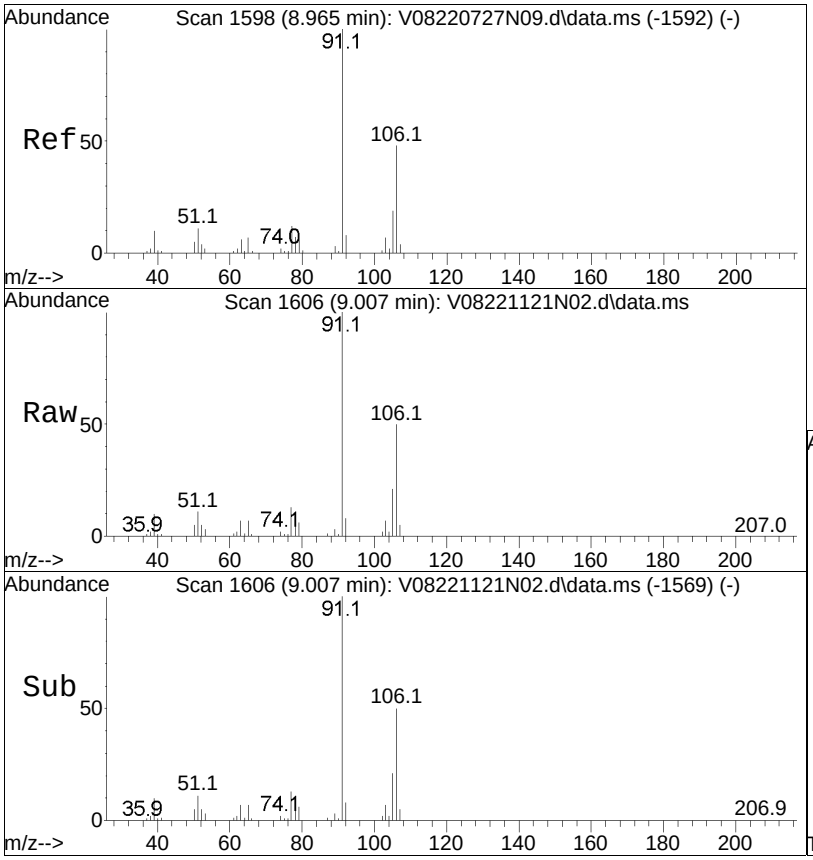


#76
p/m Xylene
Concen: 18.97 ug/L
RT: 8.729 min Scan# 1553
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:106 Resp: 179474

Ion	Ratio	Lower	Upper
106	100		
91	187.1	166.4	249.6

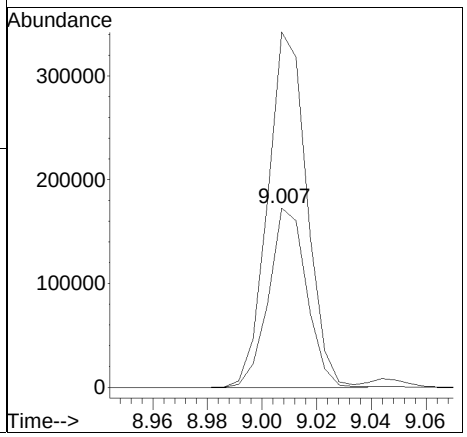


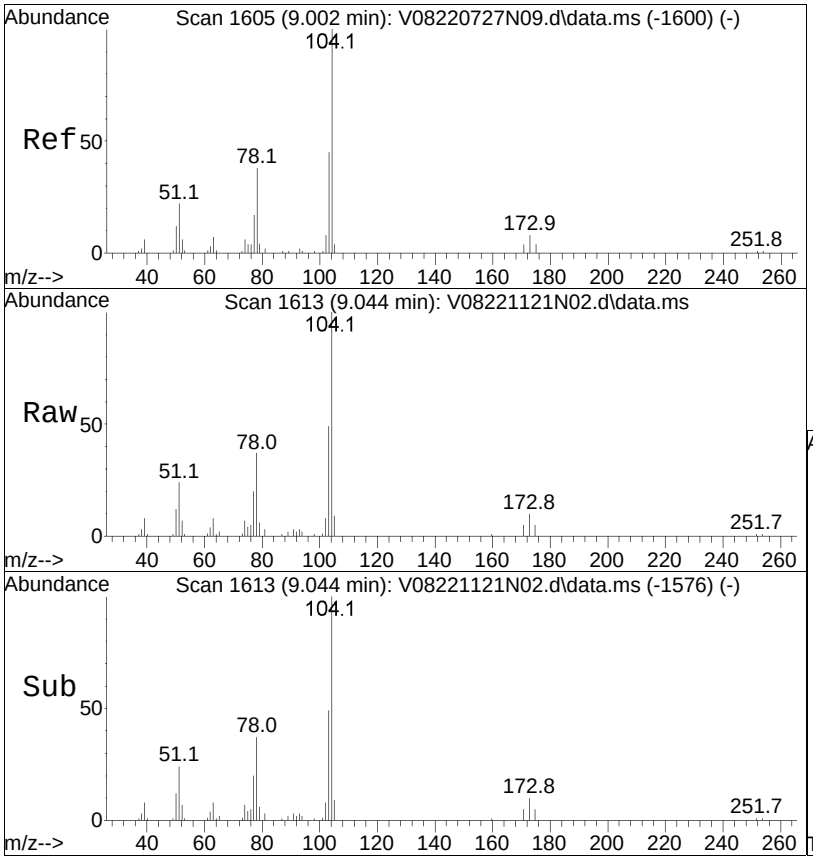


#77
o Xylene
Concen: 18.57 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:106 Resp: 167380

Ion	Ratio	Lower	Upper
106	100		
91	203.0	182.6	273.8

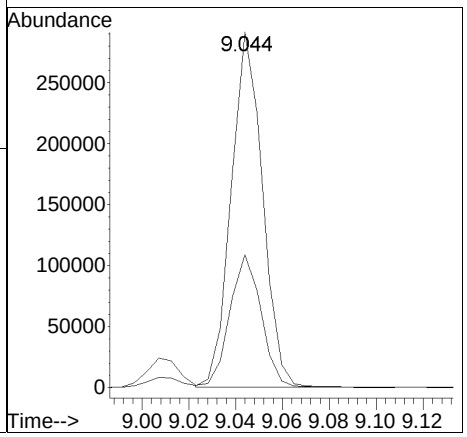


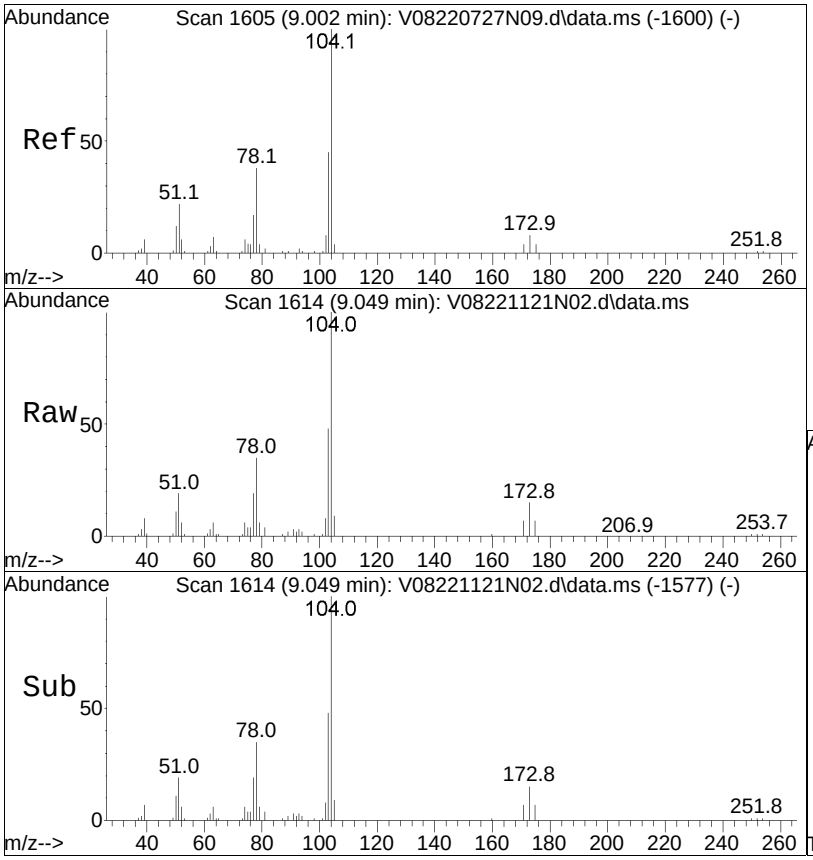


#78
Styrene
Concen: 17.84 ug/L
RT: 9.044 min Scan# 1613
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:104 Resp: 270568

Ion	Ratio	Lower	Upper
104	100		
78	37.6	39.8	59.6#

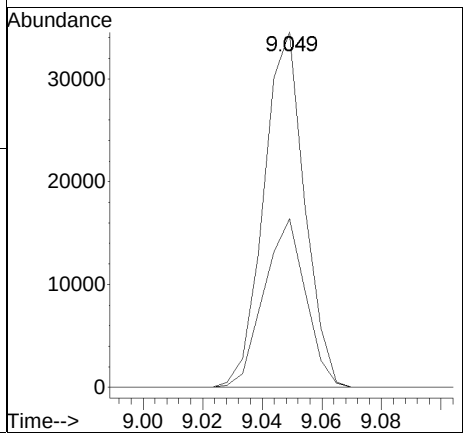


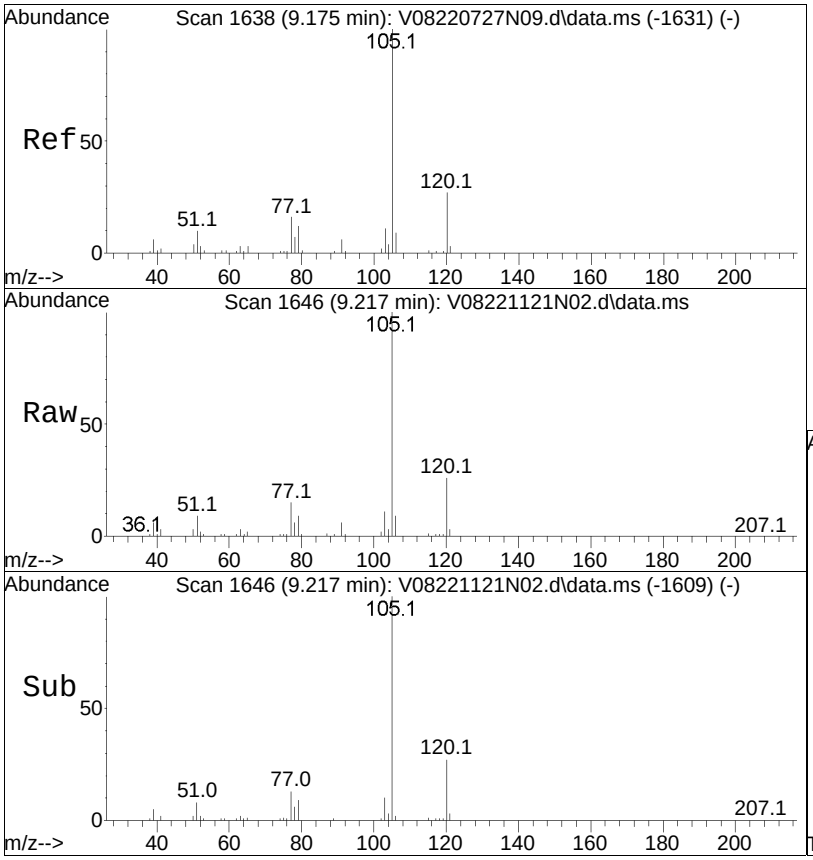


#80
Bromoform
Concen: 8.08 ug/L
RT: 9.049 min Scan# 1614
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:173 Resp: 32939

Ion	Ratio	Lower	Upper
173	100		
175	48.5	31.5	71.5

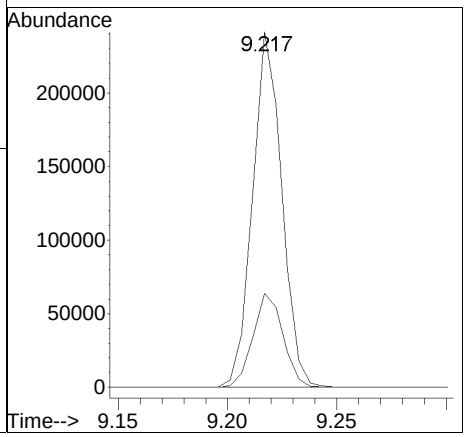


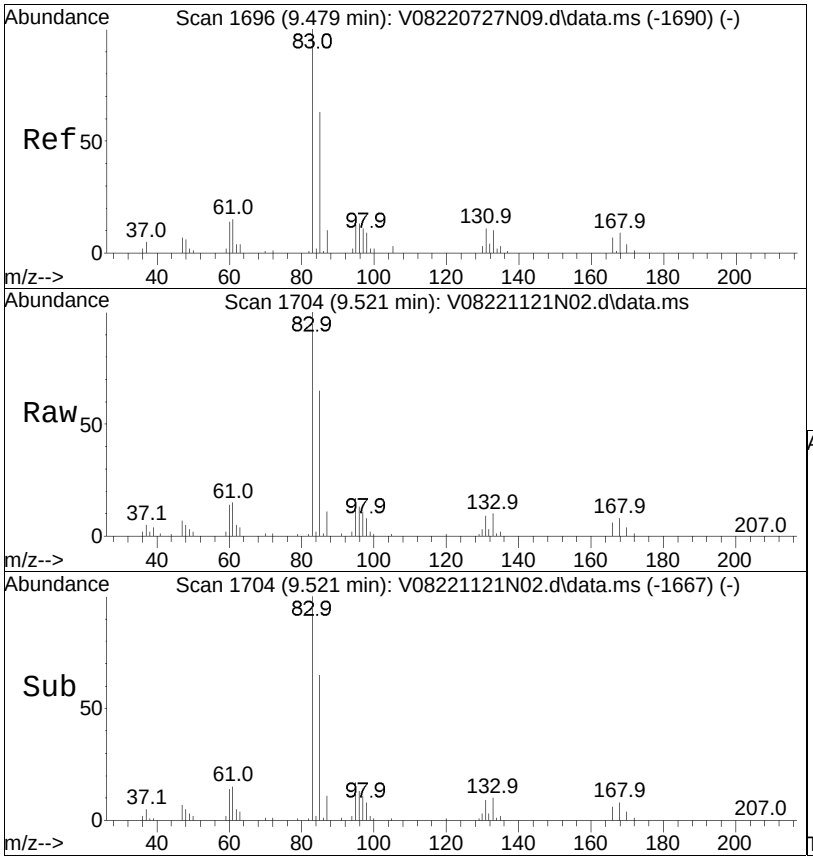


#82
Isopropylbenzene
Concen: 9.67 ug/L
RT: 9.217 min Scan# 1646
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:105 Resp: 224110

Ion	Ratio	Lower	Upper
105	100		
120	27.3	4.8	44.8

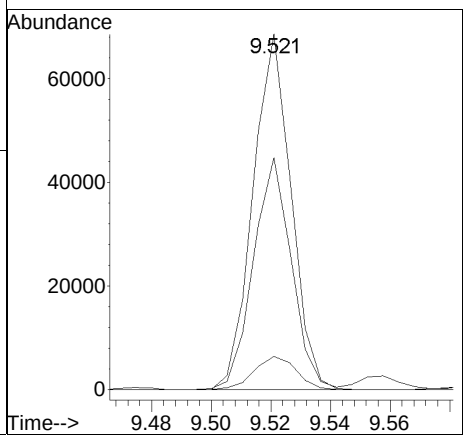


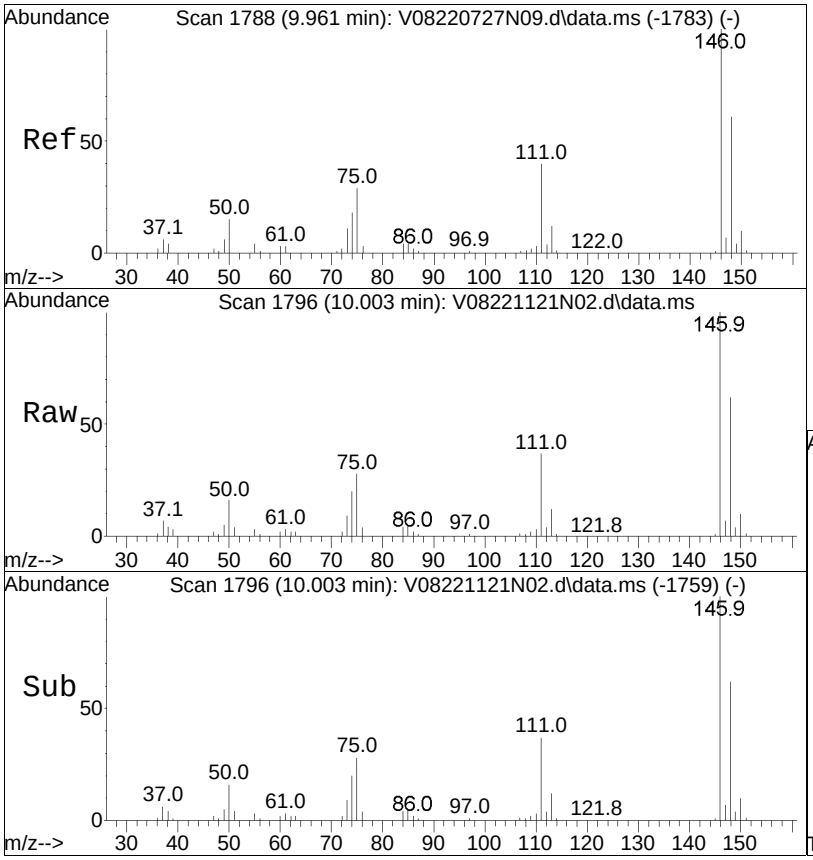


#87
1,1,2,2-Tetrachloroethane
Concen: 10.17 ug/L
RT: 9.521 min Scan# 1704
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion: 83 Resp: 60984

Ion	Ratio	Lower	Upper
83	100		
131	10.2	0.0	30.4
85	65.0	45.4	85.4

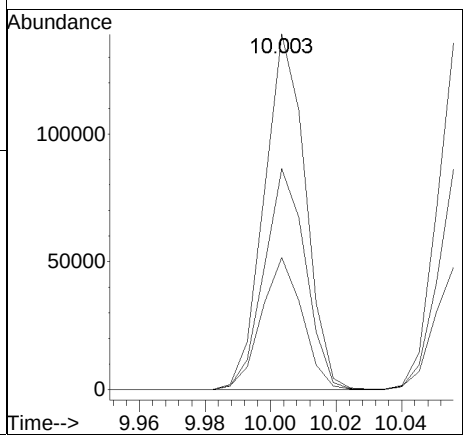


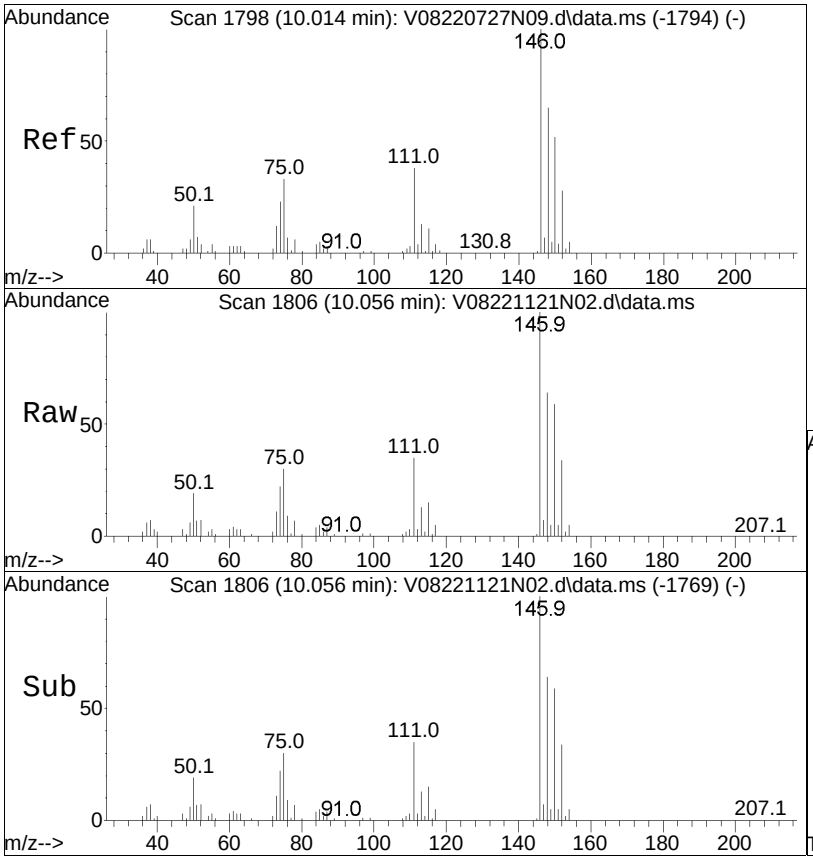


#100
1,3-Dichlorobenzene
Concen: 9.41 ug/L
RT: 10.003 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:146 Resp: 121240

Ion	Ratio	Lower	Upper
146	100		
111	36.8	27.5	57.1
148	62.4	41.9	86.9

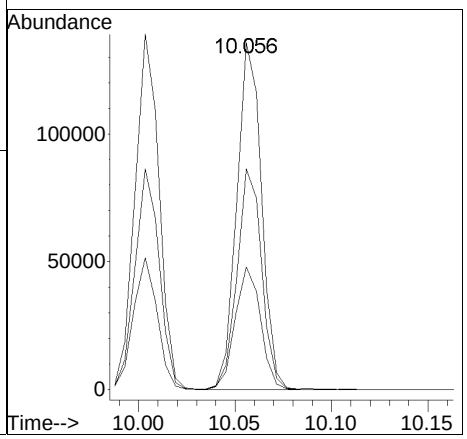


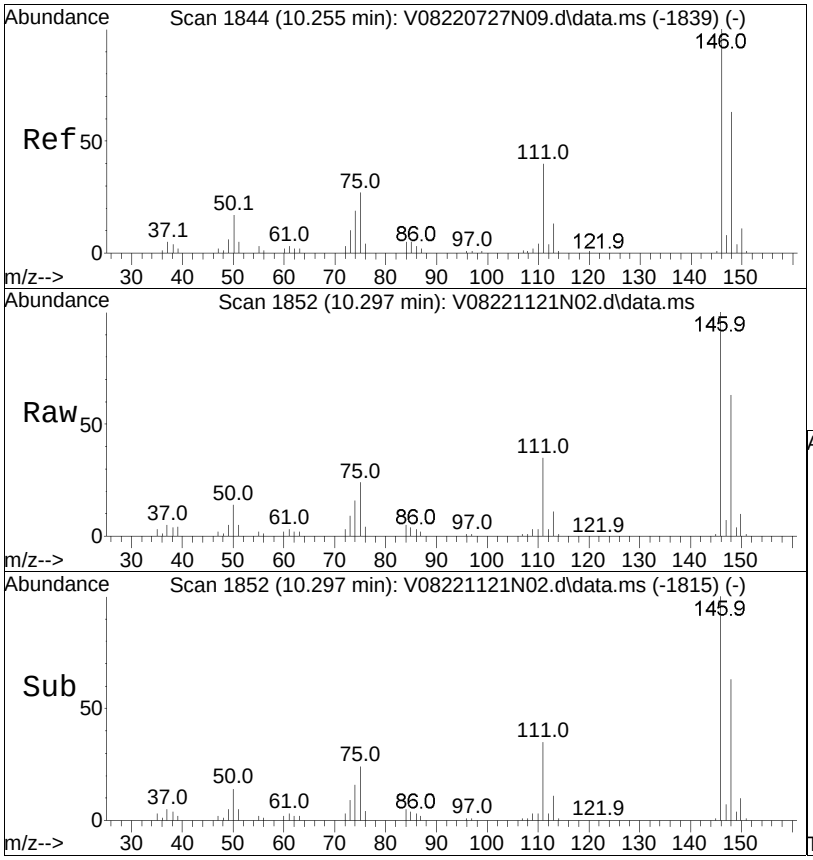


#101
1,4-Dichlorobenzene
Concen: 9.29 ug/L
RT: 10.056 min Scan# 1806
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:146 Resp: 121201

Ion	Ratio	Lower	Upper
146	100		
111	36.3	32.3	48.5
148	63.0	49.9	74.9

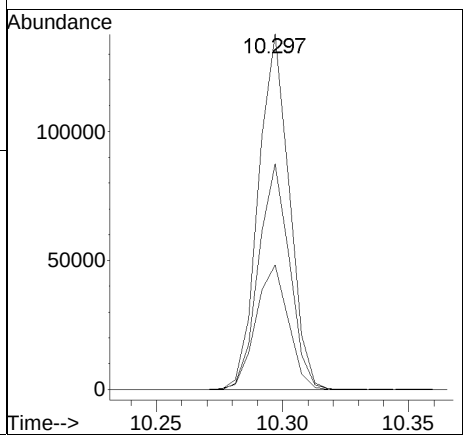


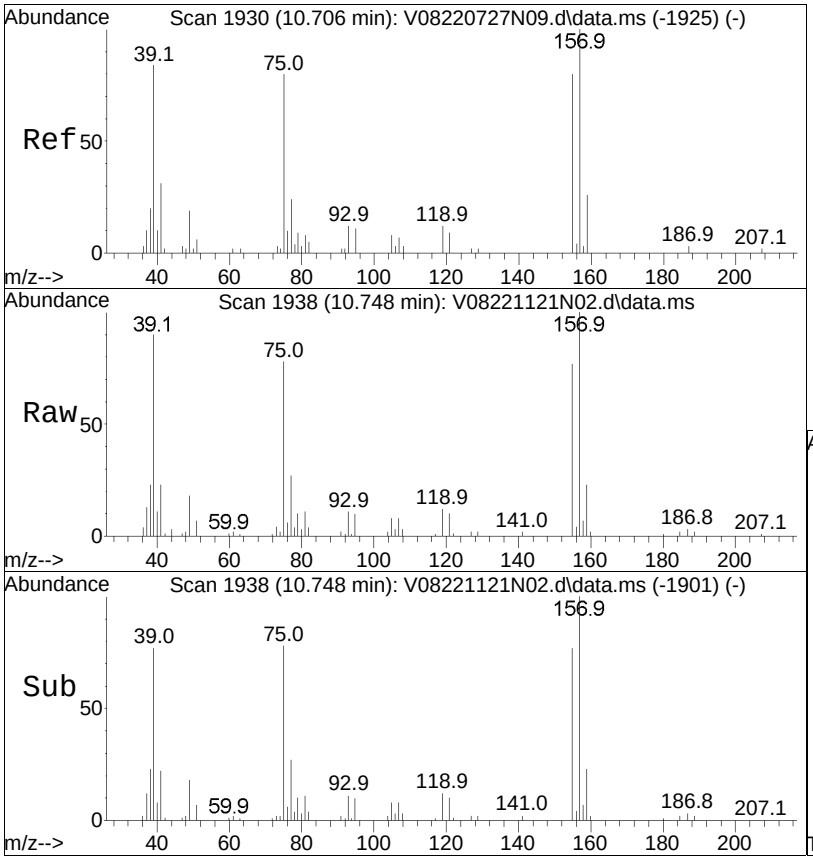


#104
1,2-Dichlorobenzene
Concen: 9.28 ug/L
RT: 10.297 min Scan# 1852
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:146 Resp: 117570

Ion	Ratio	Lower	Upper
146	100		
111	36.7	28.3	58.7
148	63.5	42.3	87.8

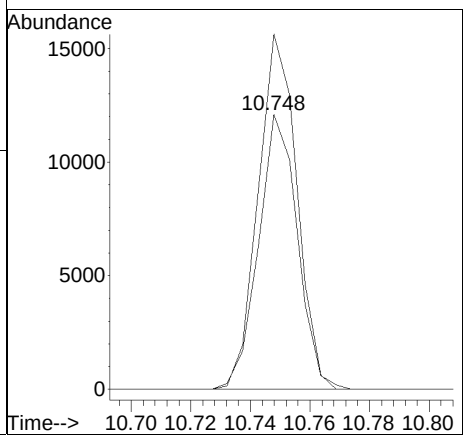


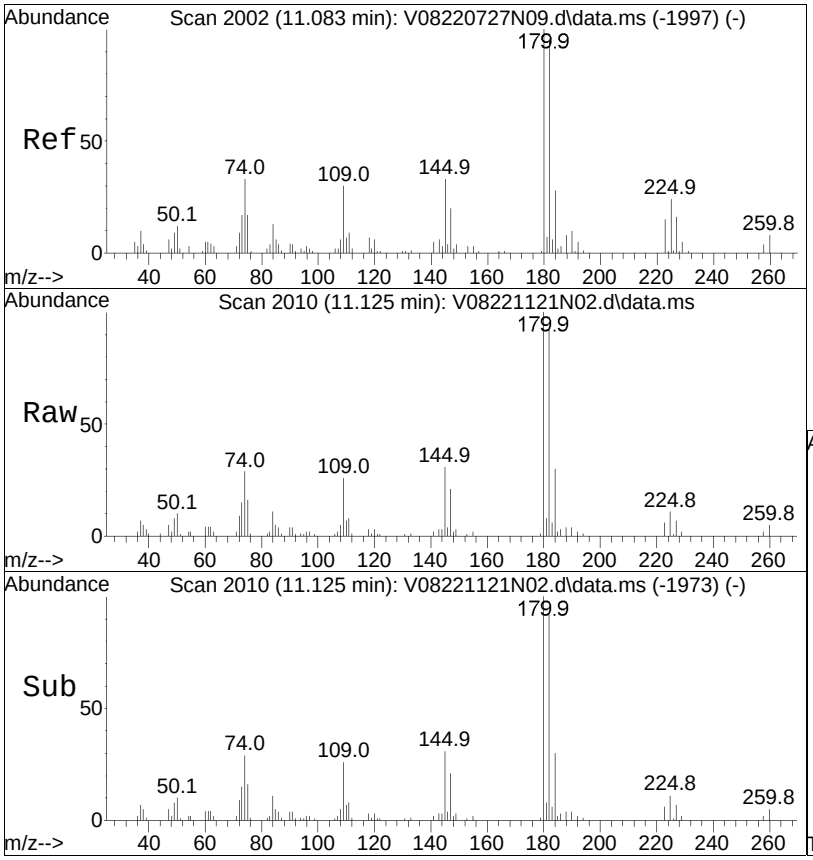


#106
1,2-Dibromo-3-chloropropane
Concen: 8.79 ug/L
RT: 10.748 min Scan# 1938
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:155 Resp: 11006

Ion	Ratio	Lower	Upper
155	100		
157	127.9	94.8	142.2

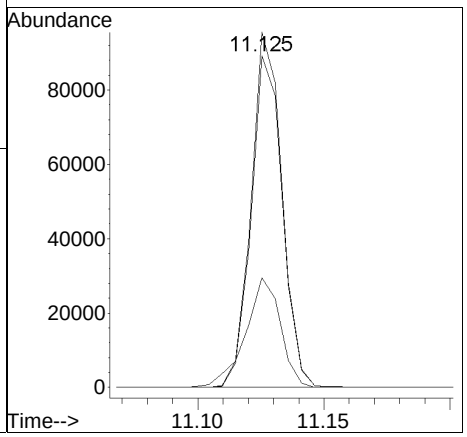


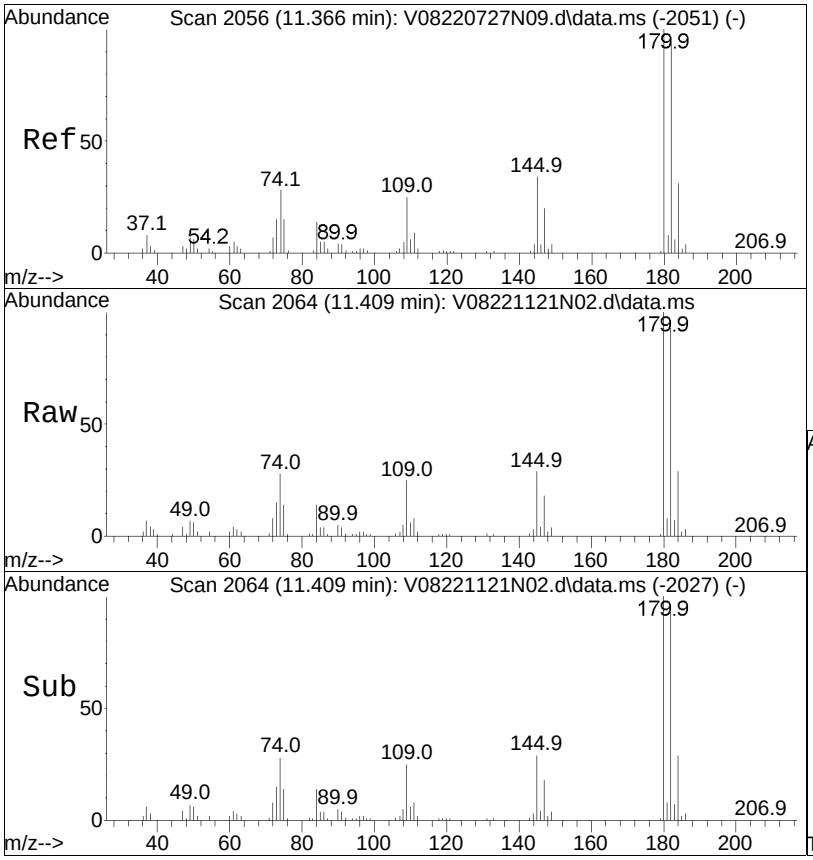


#109
1,2,4-Trichlorobenzene
Concen: 9.10 ug/L
RT: 11.125 min Scan# 2010
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:180 Resp: 81366

Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.3	115.9
145	35.0	28.1	42.1

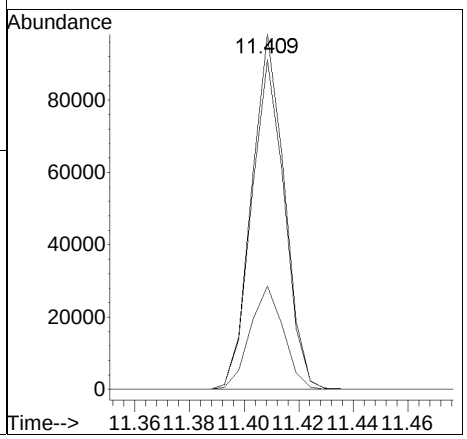




#111
1,2,3-Trichlorobenzene
Concen: 9.16 ug/L
RT: 11.409 min Scan# 2064
Delta R.T. -0.005 min
Lab File: V08221121N02.d
Acq: 21 Nov 2022 6:35 pm

Tgt Ion:180 Resp: 82275

Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.4	114.6
145	29.5	26.4	39.6



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2022\2	QMethod	: V108_221110N_8260.m
Data File	: V08221121N02.d	Operator	: VOA108:AJK
Date Inj'd	: 11/21/2022 6:35 pm	Instrument	: VOA 108
Sample	: WG1715252-4,31,10,10	Quant Date	: 11/21/2022 7:02 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A06.D
Acq On : 18 Nov 2022 10:07 am
Operator : VOA101:PID
Sample : WG1714394-4,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 10:32:35 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	676210	10.000	ug/L	0.00
Standard Area 1 = 696801			Recovery = 97.04%			
59) Chlorobenzene-d5	9.654	117	522076	10.000	ug/L	0.00
Standard Area 1 = 554627			Recovery = 94.13%			
79) 1,4-Dichlorobenzene-d4	12.331	152	280663	10.000	ug/L	0.00
Standard Area 1 = 298241			Recovery = 94.11%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.307	113	180301	9.894	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.94%			
43) 1,2-Dichloroethane-d4	5.834	65	198504	9.959	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.59%			
60) Toluene-d8	7.808	98	687208	10.313	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.13%			
83) 4-Bromofluorobenzene	11.135	95	262481	10.450	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.709	85	130542	7.972	ug/L	99
3) Chloromethane	1.905	50	112627	5.841	ug/L	99
4) Vinyl chloride	1.980	62	160354	8.965	ug/L	100
5) Bromomethane	2.301	94	25200	2.395	ug/L	98
6) Chloroethane	2.421	64	102780	9.604	ug/L	96
7) Trichlorofluoromethane	2.563	101	229292	9.820	ug/L	97
10) 1,1-Dichloroethene	3.059	96	136065	9.664	ug/L	96
11) Carbon disulfide	3.095	76	246687	6.960	ug/L	99
12) Freon-113	3.098	101	149109	9.557	ug/L #	65
15) Methylene chloride	3.611	84	152032	9.963	ug/L	94
17) Acetone	3.653	43	24798M3	6.794	ug/L	
18) trans-1,2-Dichloroethene	3.767	96	153049	10.170	ug/L	99
19) Methyl acetate	3.770	43	62437	8.281	ug/L	96
20) Methyl tert-butyl ether	3.857	73	300655	9.759	ug/L	96
23) 1,1-Dichloroethane	4.350	63	301098	10.366	ug/L	98
28) cis-1,2-Dichloroethene	4.869	96	166671	10.095	ug/L	97
30) Bromochloromethane	5.059	128	75640	10.481	ug/L	98
31) Cyclohexane	5.070	56	301904	9.544	ug/L	100
32) Chloroform	5.128	83	274680	10.650	ug/L	98
34) Carbon tetrachloride	5.273	117	225187	10.117	ug/L	98

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A06.D
Acq On : 18 Nov 2022 10:07 am
Operator : VOA101:PID
Sample : WG1714394-4,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 10:32:35 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221118A\V01221118A01.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	5.332	97	248063	10.405	ug/L		98
39) 2-Butanone	5.424	43	35246	7.820	ug/L	#	34
41) Benzene	5.703	78	614355	10.302	ug/L		97
44) 1,2-Dichloroethane	5.901	62	196015	10.137	ug/L		98
47) Methyl cyclohexane	6.291	83	263452	9.970	ug/L		95
48) Trichloroethene	6.297	95	168013	9.694	ug/L		99
51) 1,2-Dichloropropane	6.838	63	164069	9.953	ug/L		99
54) Bromodichloromethane	6.910	83	203071	10.261	ug/L		96
57) 1,4-Dioxane	7.114	88	23375M1	280.266	ug/L		
58) cis-1,3-Dichloropropene	7.599	75	239978	10.219	ug/L		99
61) Toluene	7.867	92	378928	9.911	ug/L		98
62) 4-Methyl-2-pentanone	8.296	58	33119	8.781	ug/L		98
63) Tetrachloroethene	8.316	166	179618	10.692	ug/L		99
65) trans-1,3-Dichloropropene	8.349	75	197085	10.181	ug/L		99
68) 1,1,2-Trichloroethane	8.533	83	93091	10.449	ug/L		99
69) Chlorodibromomethane	8.745	129	134591	9.692	ug/L		98
71) 1,2-Dibromoethane	9.024	107	109016	10.127	ug/L		99
72) 2-Hexanone	9.306	43	56123	8.430	ug/L		99
73) Chlorobenzene	9.677	112	429268	9.987	ug/L		98
74) Ethylbenzene	9.707	91	741314	10.212	ug/L		98
76) p/m Xylene	9.897	106	587503	20.430	ug/L		97
77) o Xylene	10.432	106	535378	19.583	ug/L		97
78) Styrene	10.499	104	826286	18.690	ug/L		99
80) Bromoform	10.524	173	75170	9.415	ug/L		98
82) Isopropylbenzene	10.809	105	710157	9.608	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.372	83	116189	9.724	ug/L		99
100) 1,3-Dichlorobenzene	12.259	146	310127	9.744	ug/L		98
101) 1,4-Dichlorobenzene	12.345	146	310507	9.576	ug/L		100
104) 1,2-Dichlorobenzene	12.769	146	275274	9.733	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.542	155	15313	8.658	ug/L		100
109) 1,2,4-Trichlorobenzene	14.175	180	130420	10.039	ug/L		98
111) 1,2,3-Trichlorobenzene	14.635	180	88361	9.710	ug/L		100

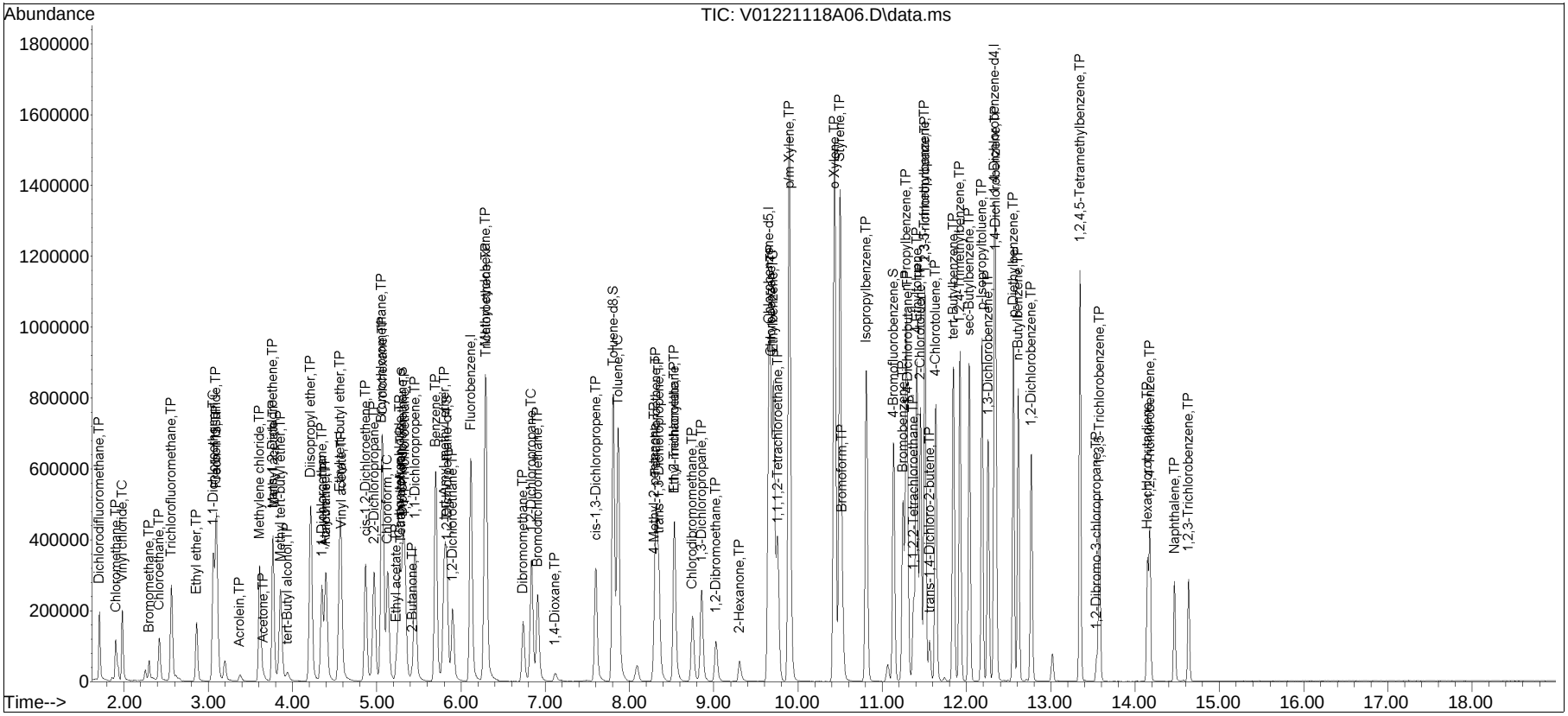
(#) = qualifier out of range (m) = manual integration (+) = signals summed

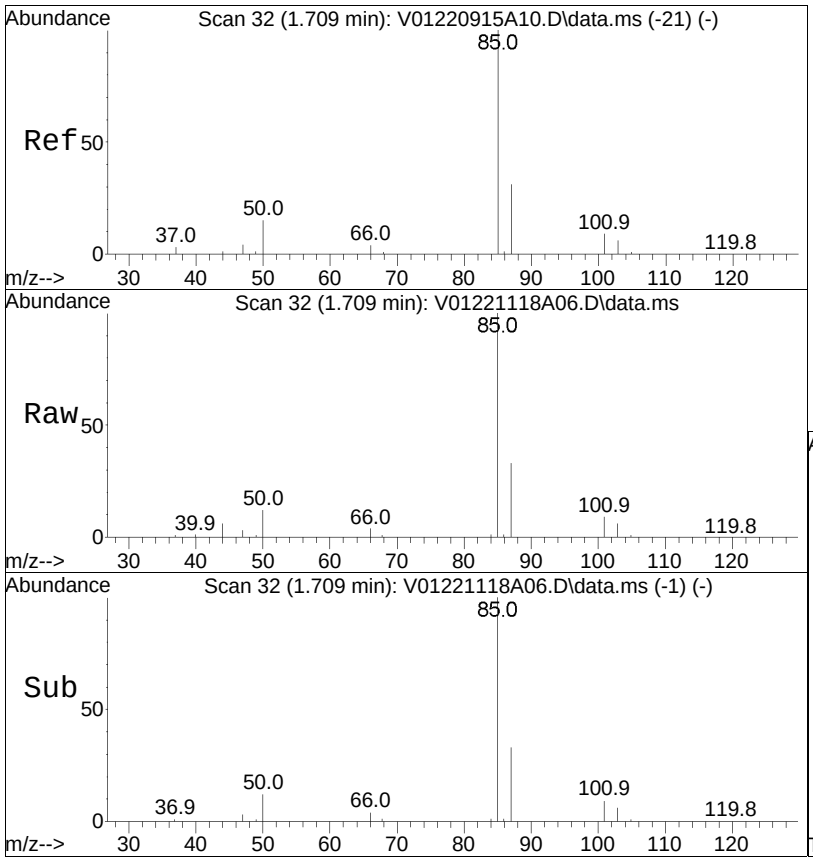
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221118A\
Data File : V01221118A06.D
Acq On : 18 Nov 2022 10:07 am
Operator : VOA101:PID
Sample : WG1714394-4,31,10,10
Misc : WG1714394,ICAL19339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 10:32:35 2022
Quant Method : I:\VOLATILES\VOA101\2022\221118A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
Response via : Initial Calibration

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

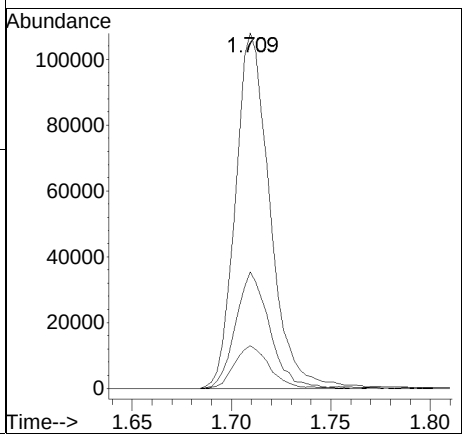


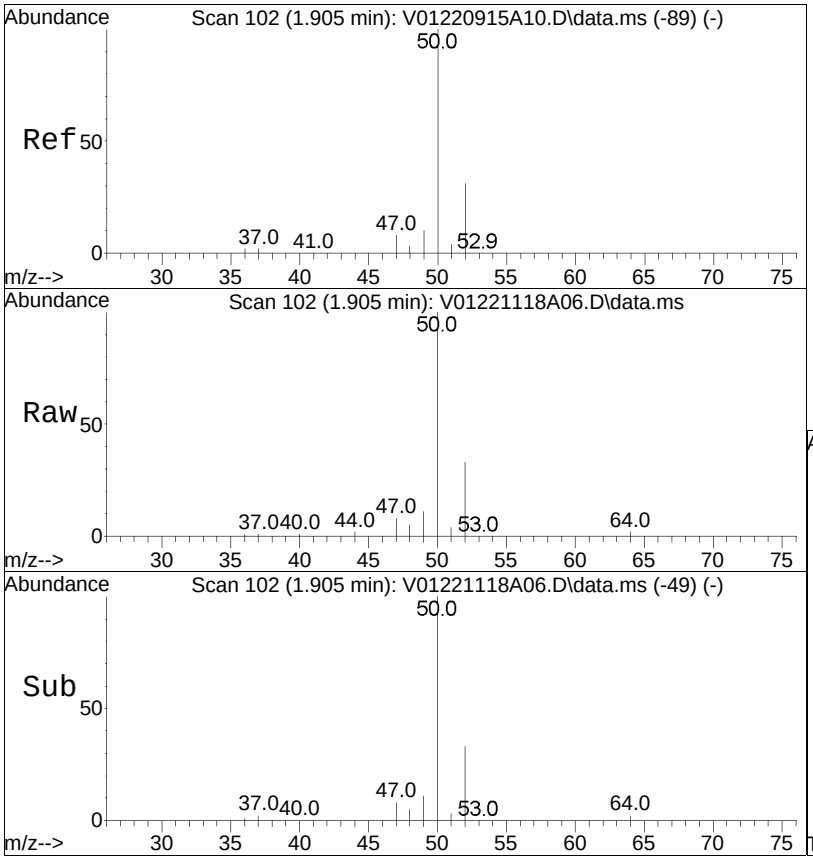


#2
Dichlorodifluoromethane
Concen: 7.97 ug/L
RT: 1.709 min Scan# 32
Delta R.T. 0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 85 Resp: 130542

Ion	Ratio	Lower	Upper
85	100		
87	32.2	20.9	43.5
50	12.3	9.1	18.9

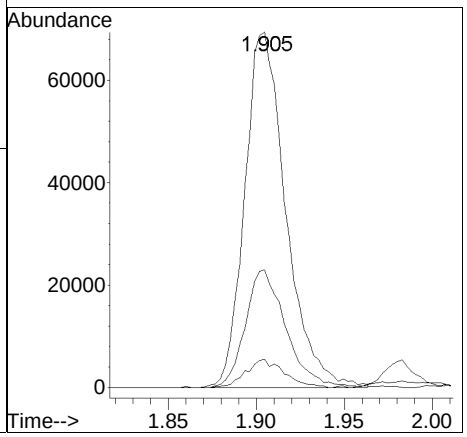


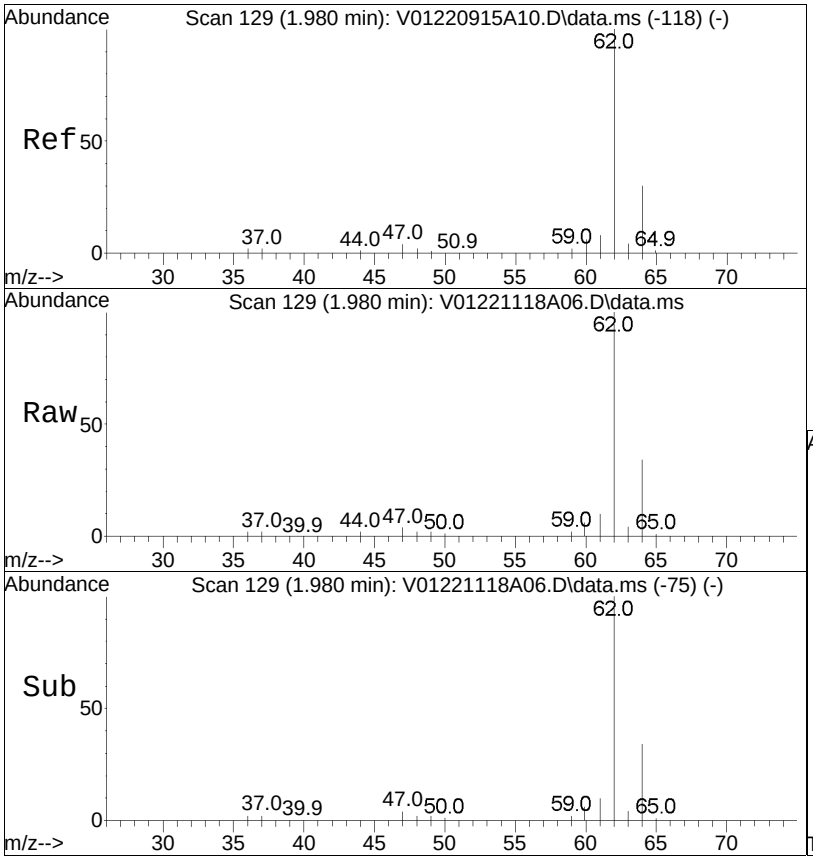


#3
Chloromethane
Concen: 5.84 ug/L
RT: 1.905 min Scan# 102
Delta R.T. -0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 50 Resp: 112627

Ion	Ratio	Lower	Upper
50	100		
52	32.6	12.8	52.8
47	7.3	0.0	28.3

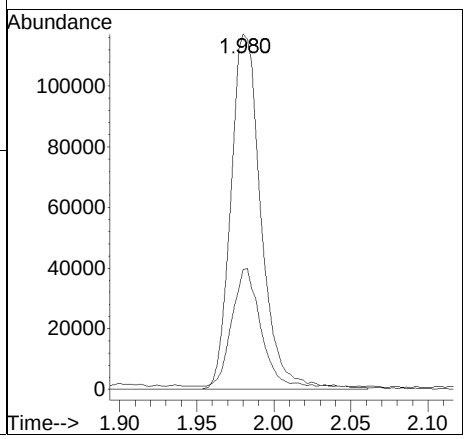


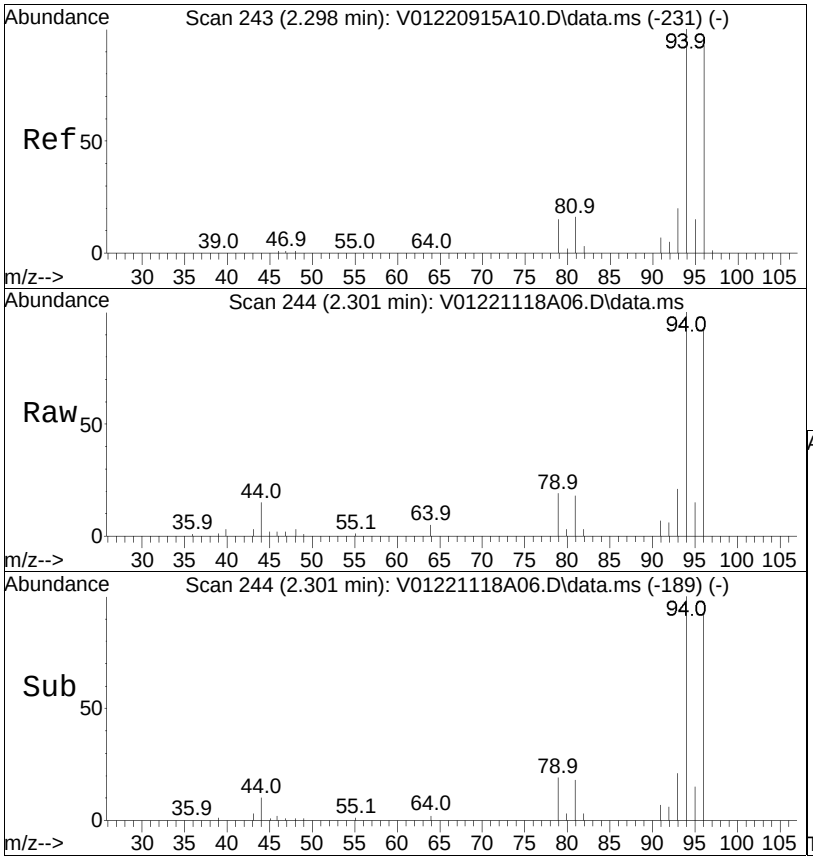


#4
Vinyl chloride
Concen: 8.97 ug/L
RT: 1.980 min Scan# 129
Delta R.T. -0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 62 Resp: 160354

Ion	Ratio	Lower	Upper
62	100		
64	31.0	10.8	50.8

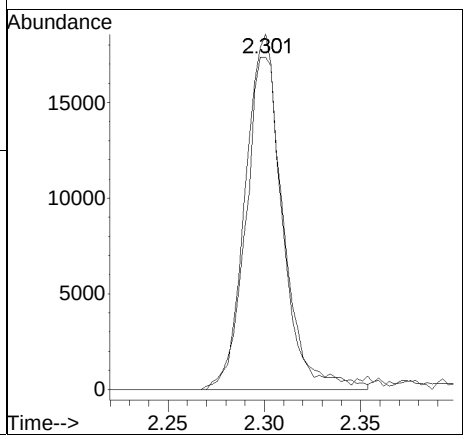


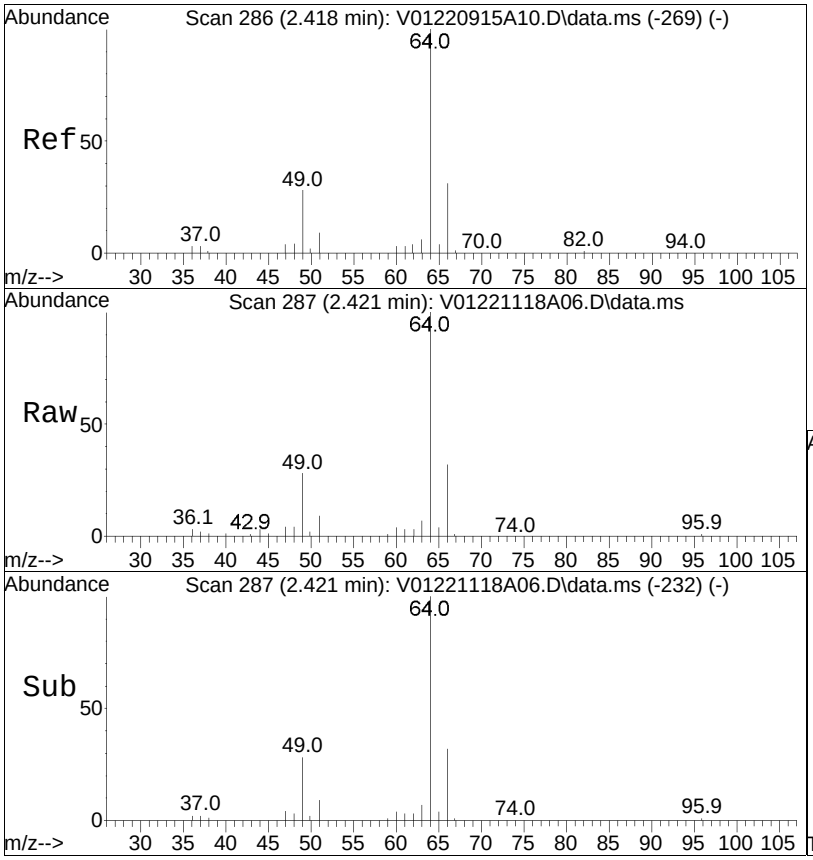


#5
Bromomethane
Concen: 2.40 ug/L
RT: 2.301 min Scan# 244
Delta R.T. 0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 94 Resp: 25200

Ion	Ratio	Lower	Upper
94	100		
96	91.9	73.6	113.6

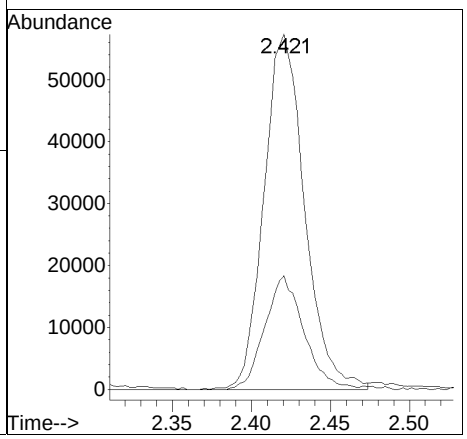


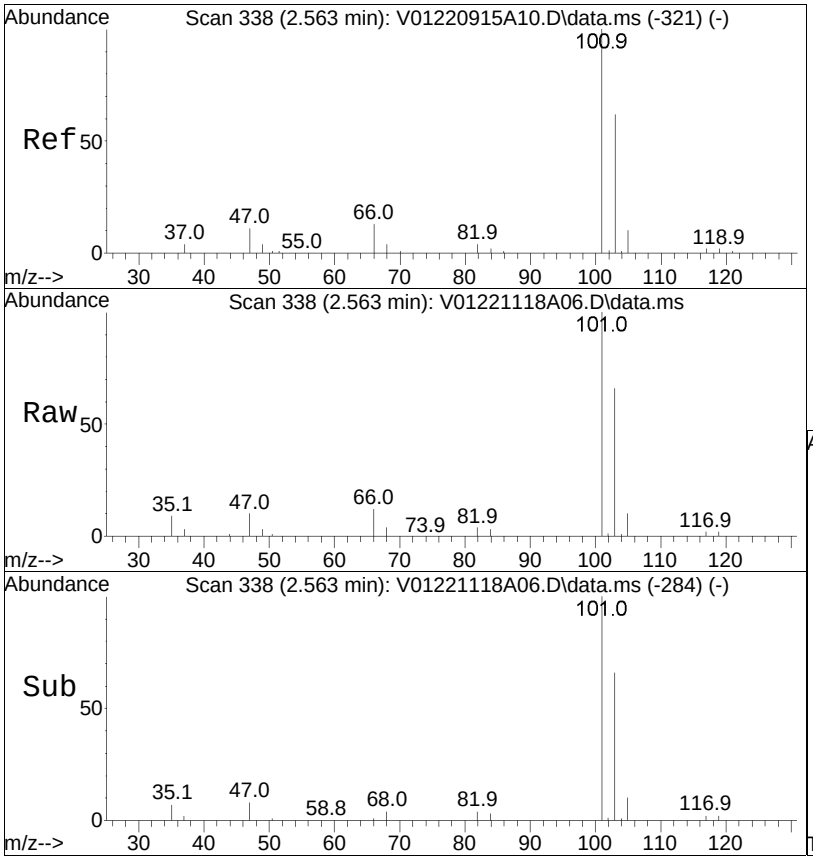


#6
Chloroethane
Concen: 9.60 ug/L
RT: 2.421 min Scan# 287
Delta R.T. 0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 64 Resp: 102780

Ion	Ratio	Lower	Upper
64	100		
66	30.6	12.7	52.7

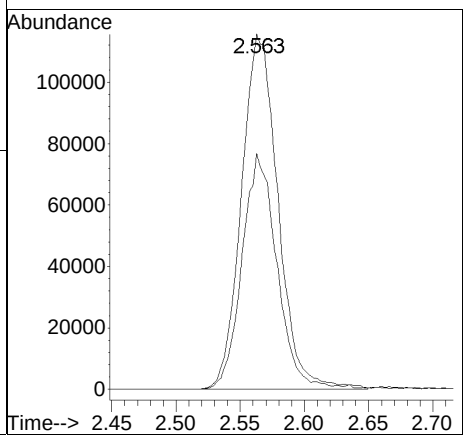


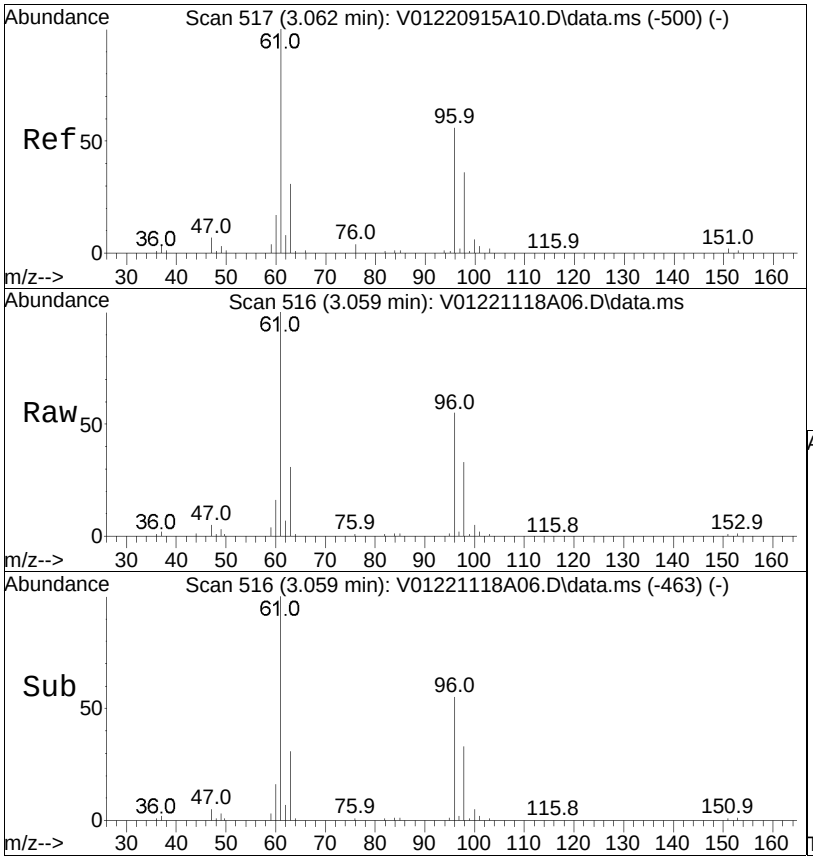


#7
Trichlorofluoromethane
Concen: 9.82 ug/L
RT: 2.563 min Scan# 338
Delta R.T. -0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:101 Resp: 229292

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.3	78.5

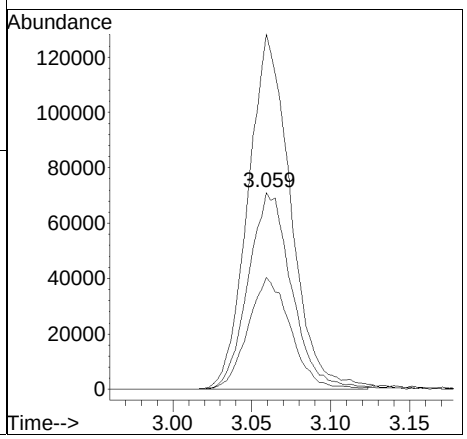


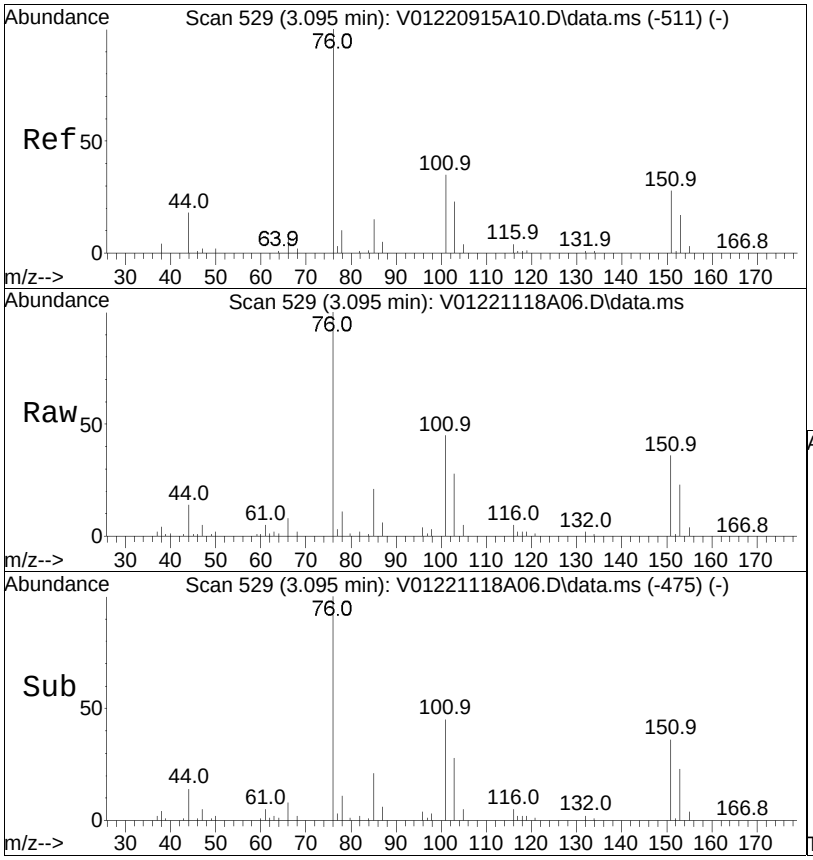


#10
1,1-Dichloroethene
Concen: 9.66 ug/L
RT: 3.059 min Scan# 516
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 96 Resp: 136065

Ion	Ratio	Lower	Upper
96	100		
61	178.0	136.8	205.2
63	56.0	43.6	65.4

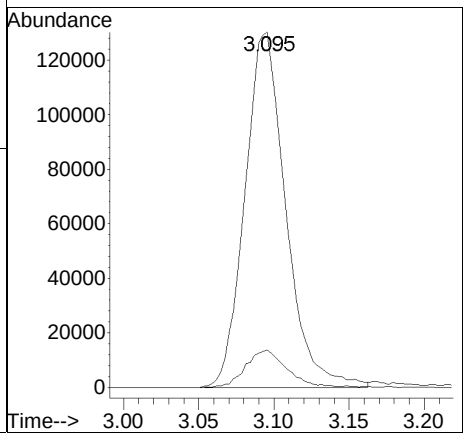


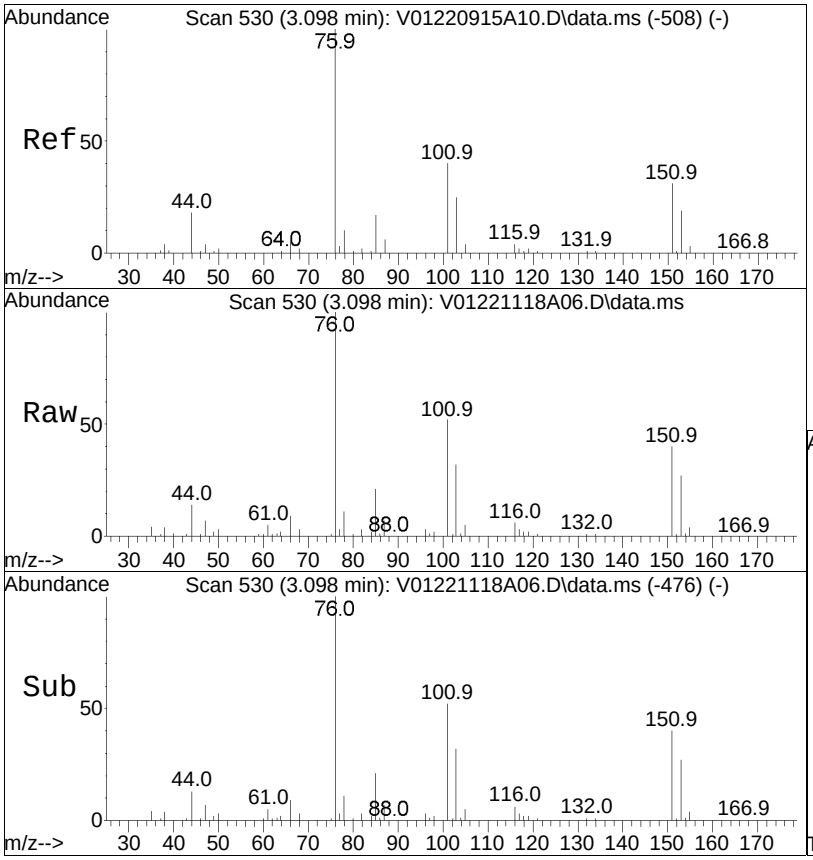


#11
Carbon disulfide
Concen: 6.96 ug/L
RT: 3.095 min Scan# 529
Delta R.T. 0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 76 Resp: 246687

Ion	Ratio	Lower	Upper
76	100		
78	10.6	6.6	13.8

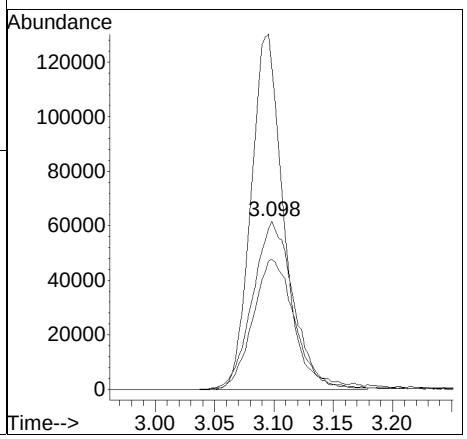


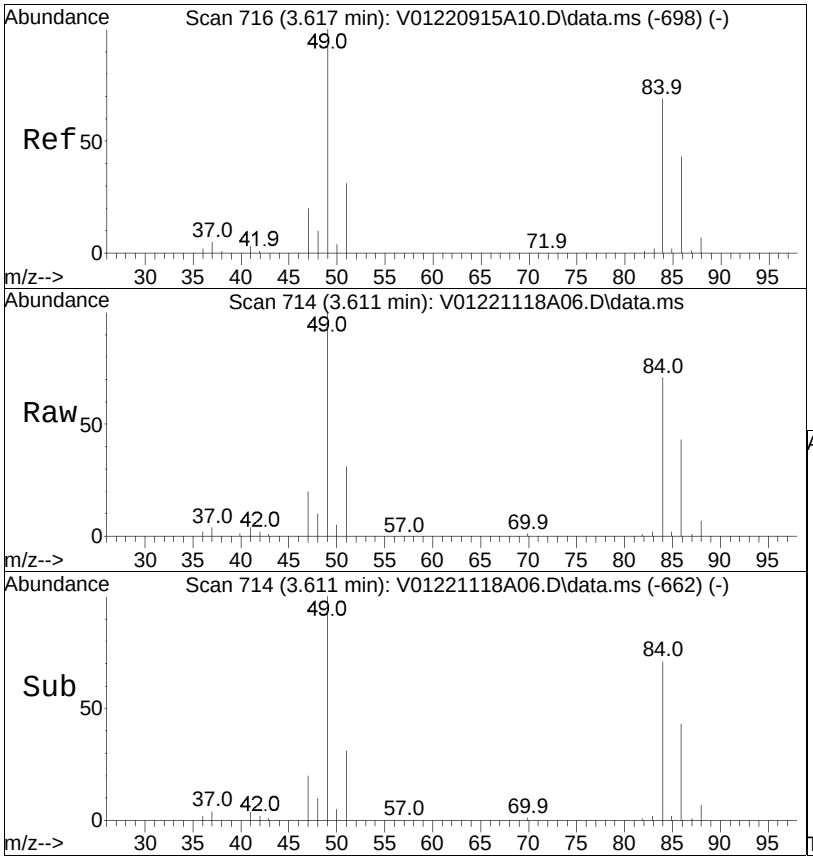


#12
Freon-113
Concen: 9.56 ug/L
RT: 3.098 min Scan# 530
Delta R.T. 0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:101 Resp: 149109

Ion	Ratio	Lower	Upper
101	100		
151	78.4	61.2	91.8
76	165.4	194.8	292.2#

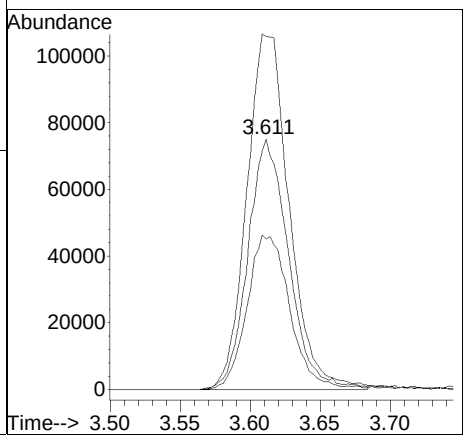


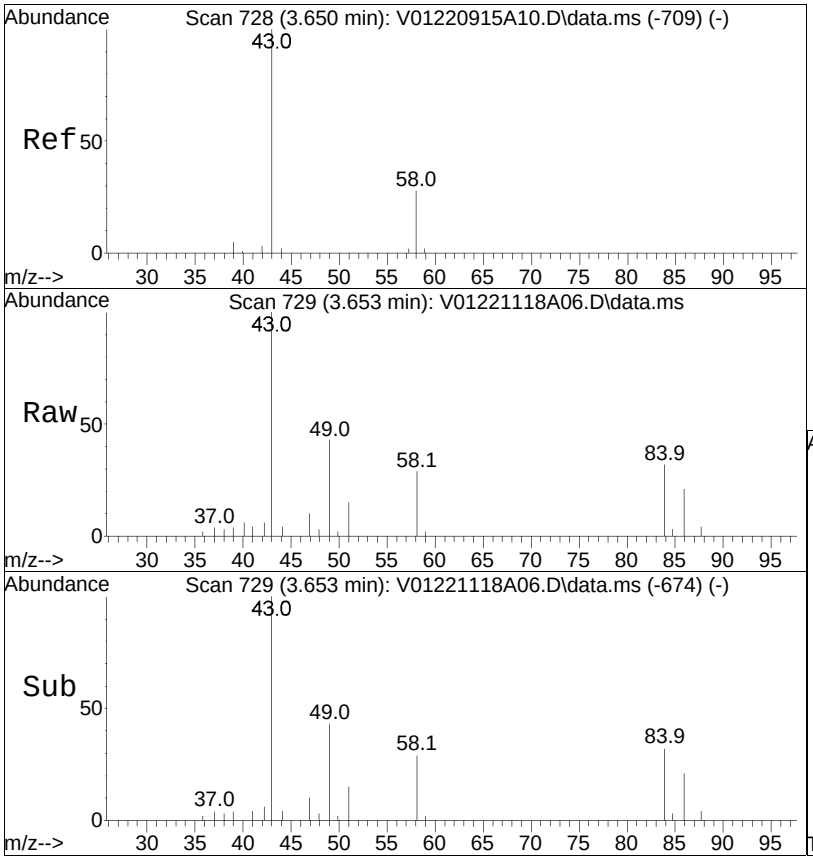


#15
Methylene chloride
Concen: 9.96 ug/L
RT: 3.611 min Scan# 714
Delta R.T. -0.006 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 84 Resp: 152032

Ion	Ratio	Lower	Upper
84	100		
86	64.2	41.7	86.7
49	148.1	89.1	185.1

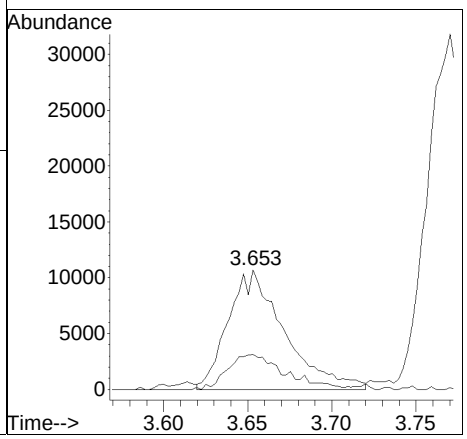


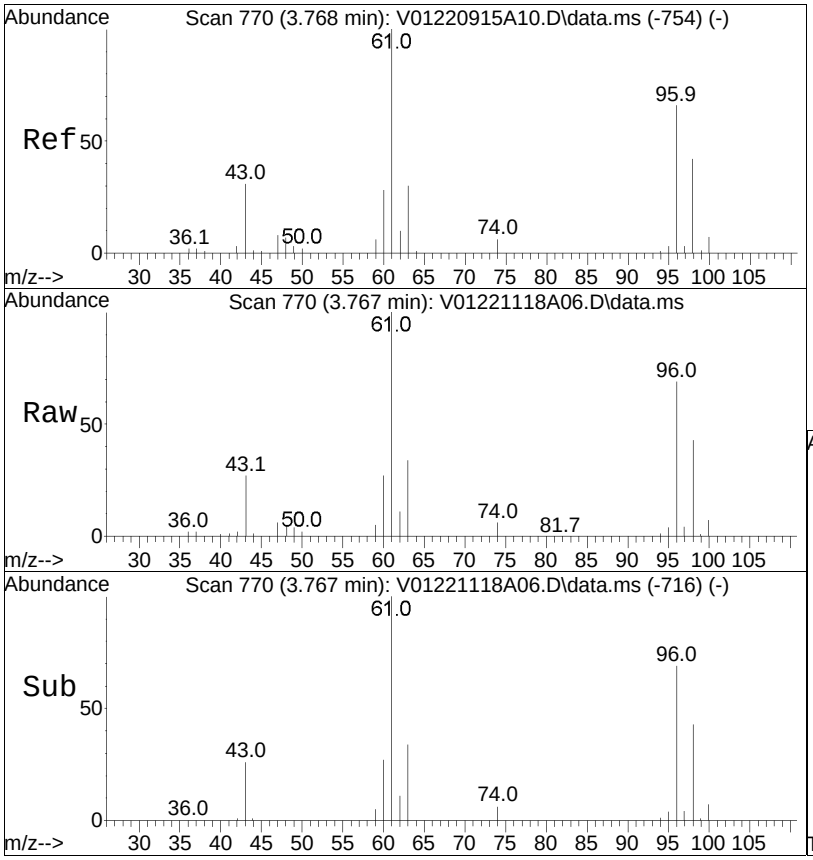


#17
Acetone
Concen: 6.79 ug/L M3
RT: 3.653 min Scan# 729
Delta R.T. 0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 43 Resp: 24798

Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.9	38.9

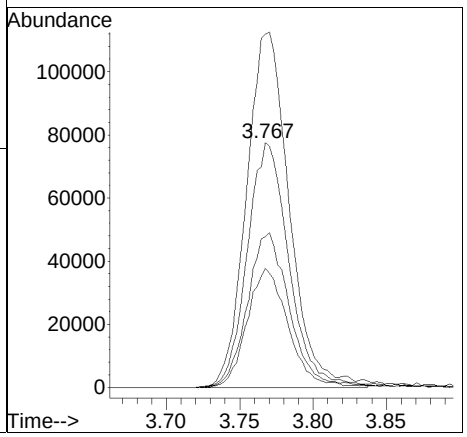


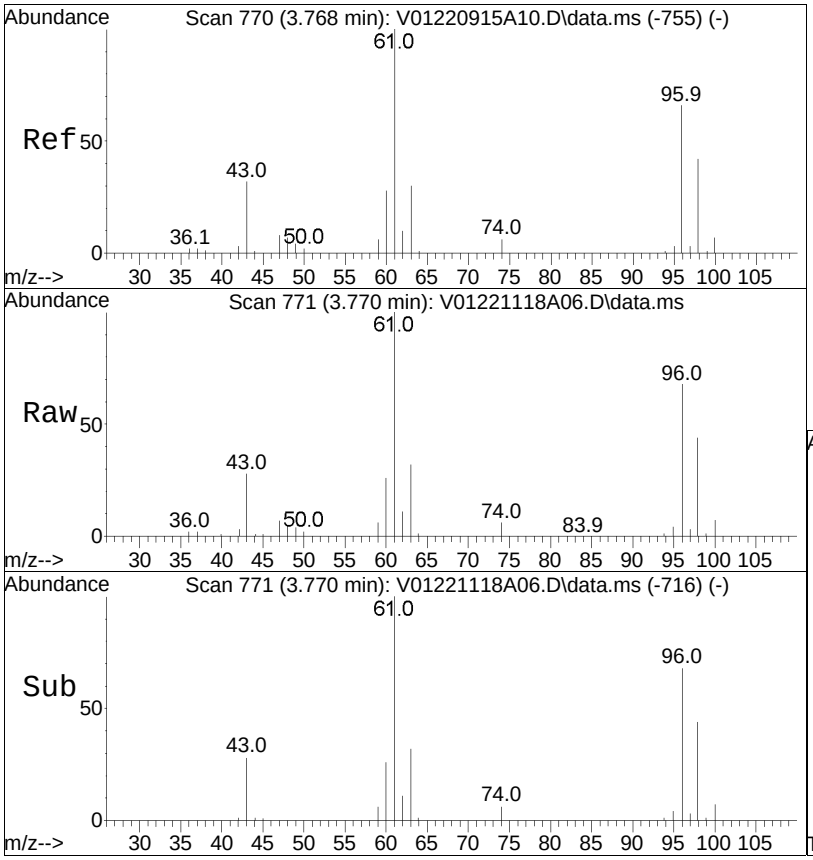


#18
trans-1,2-Dichloroethene
Concen: 10.17 ug/L
RT: 3.767 min Scan# 770
Delta R.T. -0.001 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 96 Resp: 153049

Ion	Ratio	Lower	Upper
96	100		
61	147.4	95.3	197.9
98	62.7	41.0	85.2
63	47.7	30.2	62.6

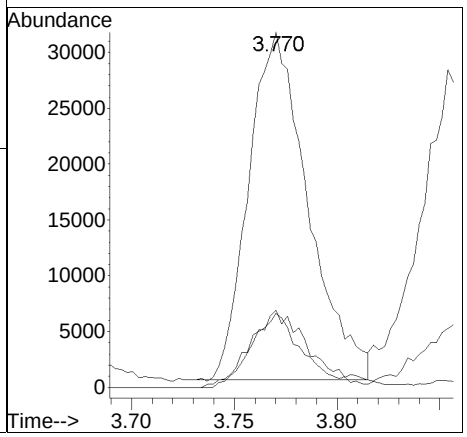


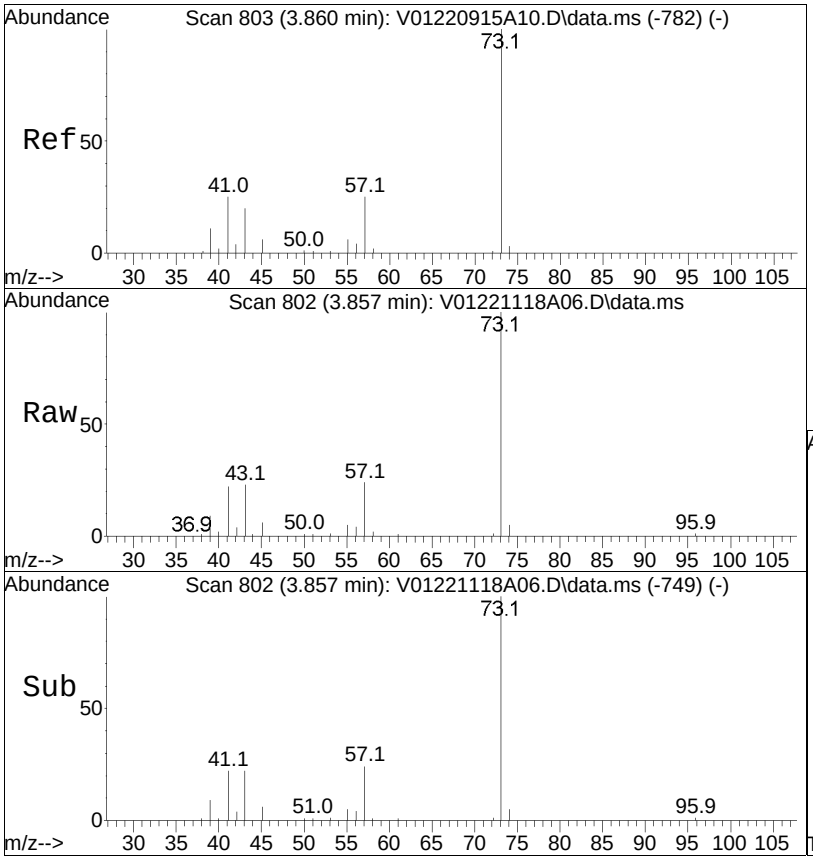


#19
Methyl acetate
Concen: 8.28 ug/L
RT: 3.770 min Scan# 771
Delta R.T. 0.002 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 43 Resp: 62437

Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.2	27.2
59	19.5	18.2	27.2

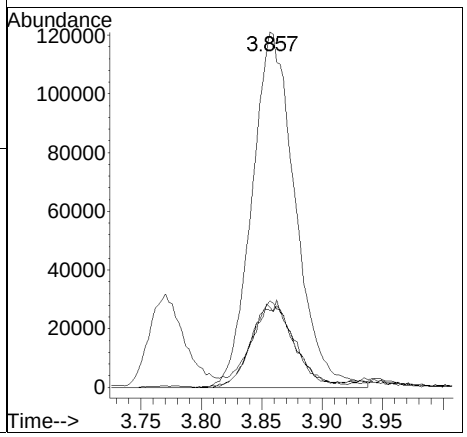


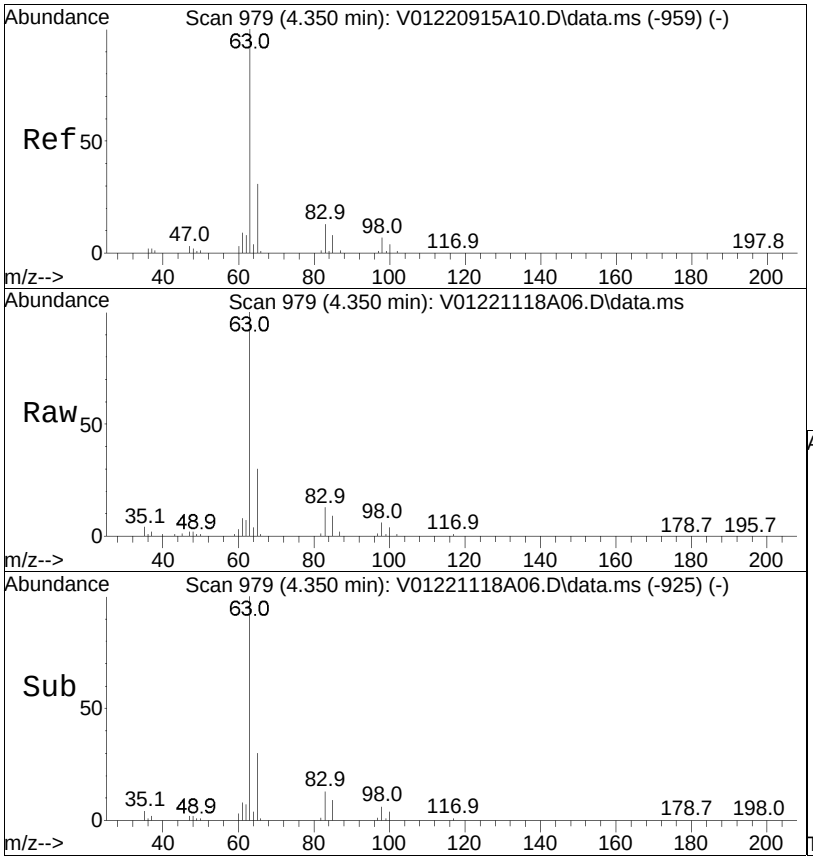


#20
Methyl tert-butyl ether
Concen: 9.76 ug/L
RT: 3.857 min Scan# 802
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 73 Resp: 300655

Ion	Ratio	Lower	Upper
73	100		
57	24.4	14.8	30.6
43	20.9	15.5	32.3
41	23.3	14.1	29.3

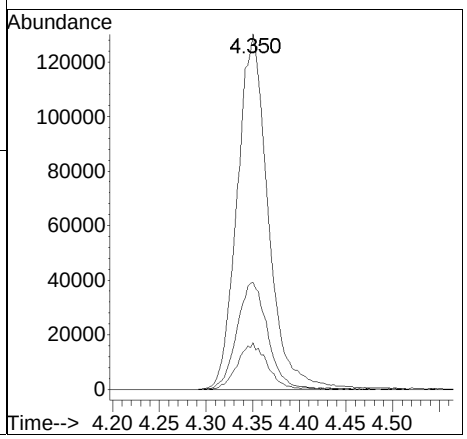


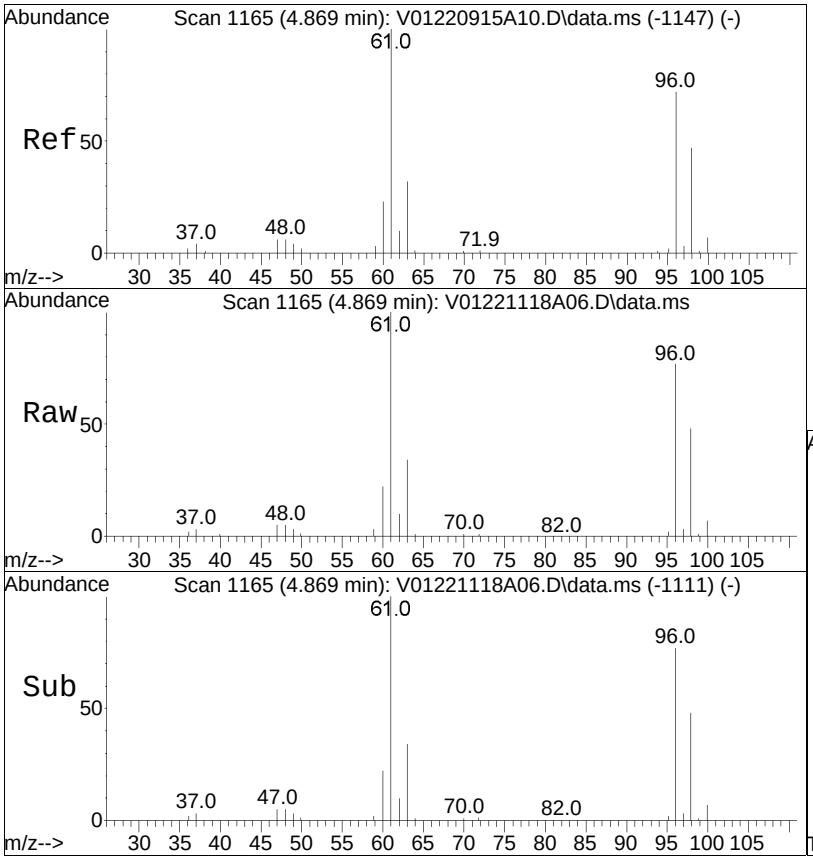


#23
1,1-Dichloroethane
Concen: 10.37 ug/L
RT: 4.350 min Scan# 979
Delta R.T. 0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 63 Resp: 301098

Ion	Ratio	Lower	Upper
63	100		
65	29.8	10.9	50.9
83	12.5	0.0	33.0

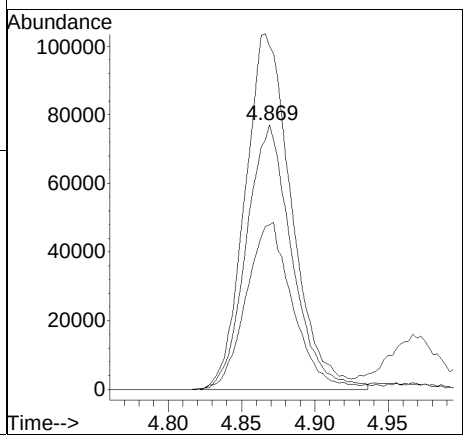


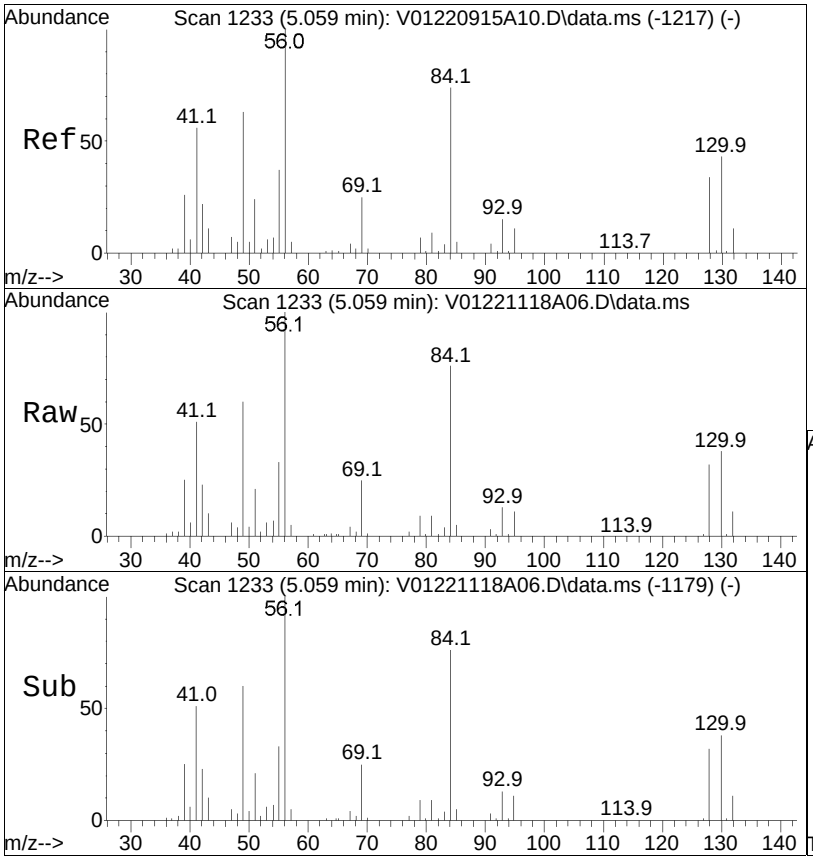


#28
cis-1,2-Dichloroethene
Concen: 10.09 ug/L
RT: 4.869 min Scan# 1165
Delta R.T. -0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 96 Resp: 166671

Ion	Ratio	Lower	Upper
96	100		
61	136.9	105.8	158.6
98	64.4	51.1	76.7

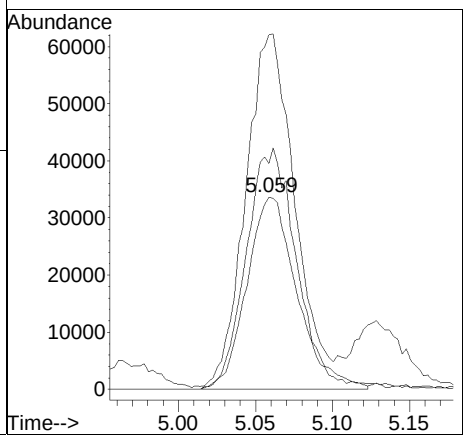


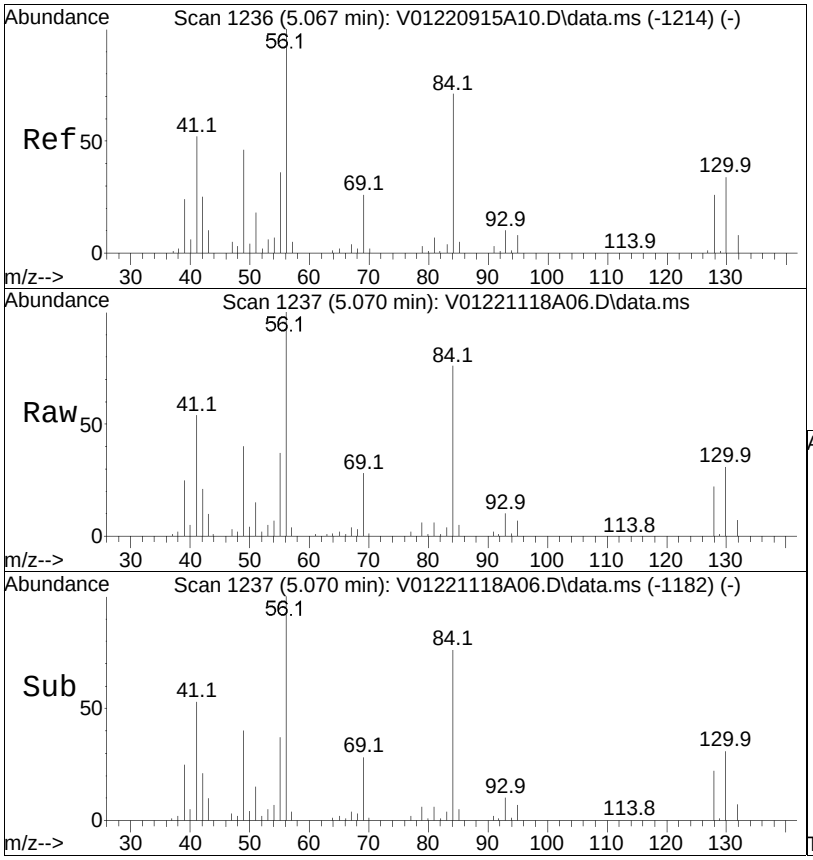


#30
Bromochloromethane
Concen: 10.48 ug/L
RT: 5.059 min Scan# 1233
Delta R.T. -0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:128 Resp: 75640

Ion	Ratio	Lower	Upper
128	100		
49	179.6	140.4	210.6
130	128.9	103.1	154.7

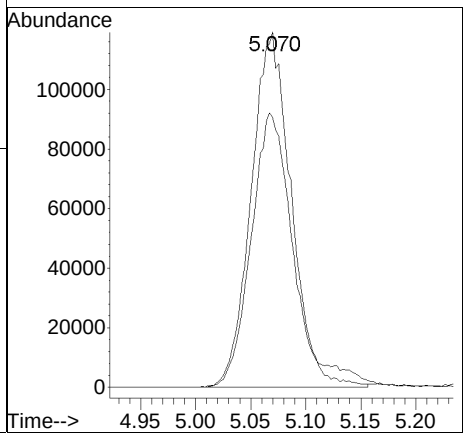


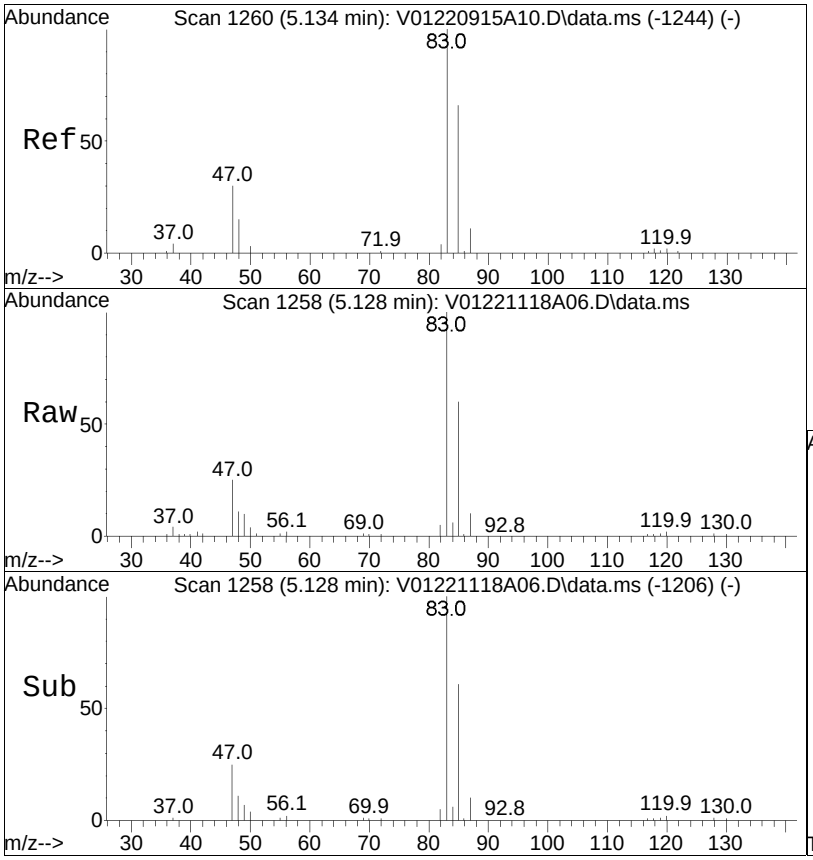


#31
Cyclohexane
Concen: 9.54 ug/L
RT: 5.070 min Scan# 1237
Delta R.T. 0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 56 Resp: 301904

Ion	Ratio	Lower	Upper
56	100		
84	82.8	53.6	111.4

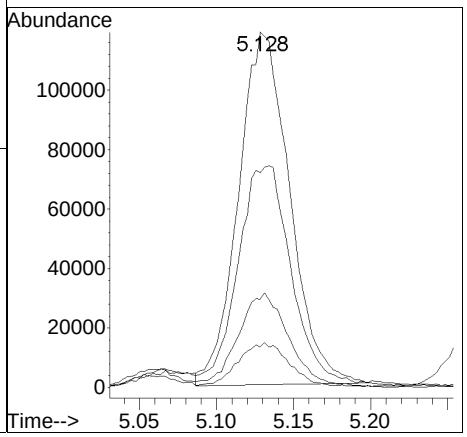


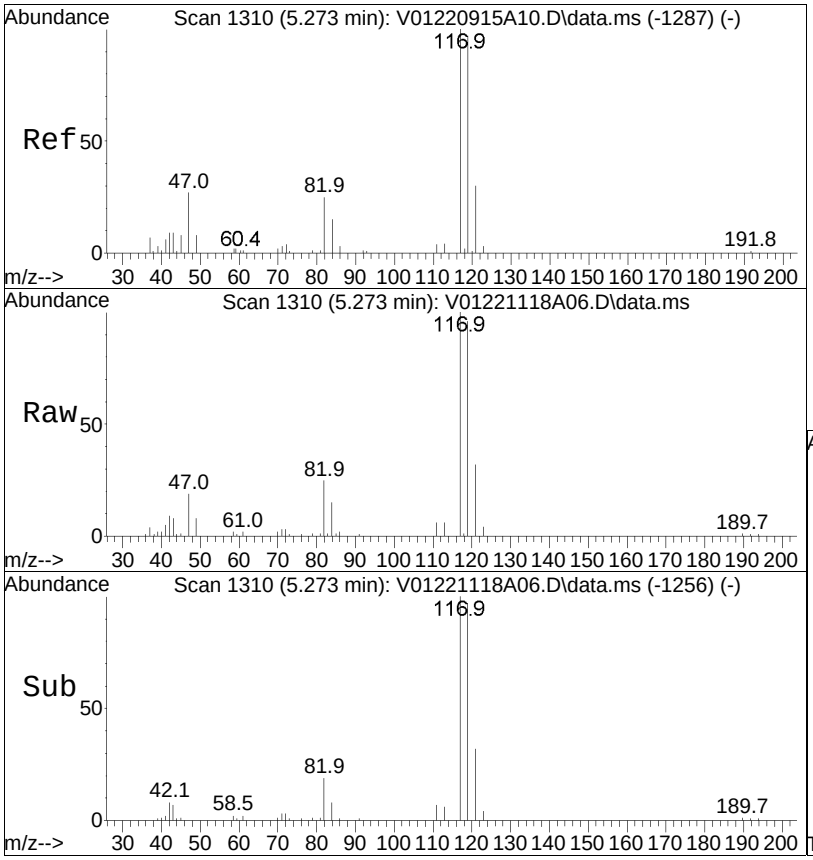


#32
Chloroform
Concen: 10.65 ug/L
RT: 5.128 min Scan# 1258
Delta R.T. -0.006 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 83 Resp: 274680

Ion	Ratio	Lower	Upper
83	100		
85	65.7	42.3	87.8
47	26.0	17.8	37.0
48	12.2	9.3	19.3

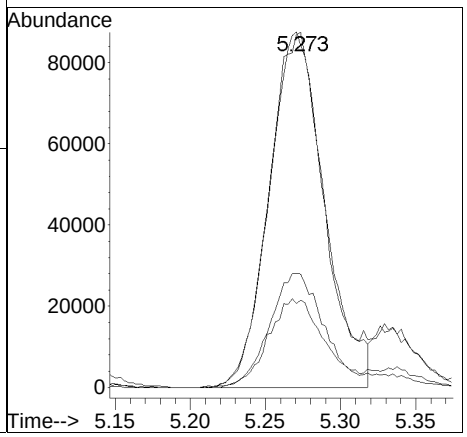


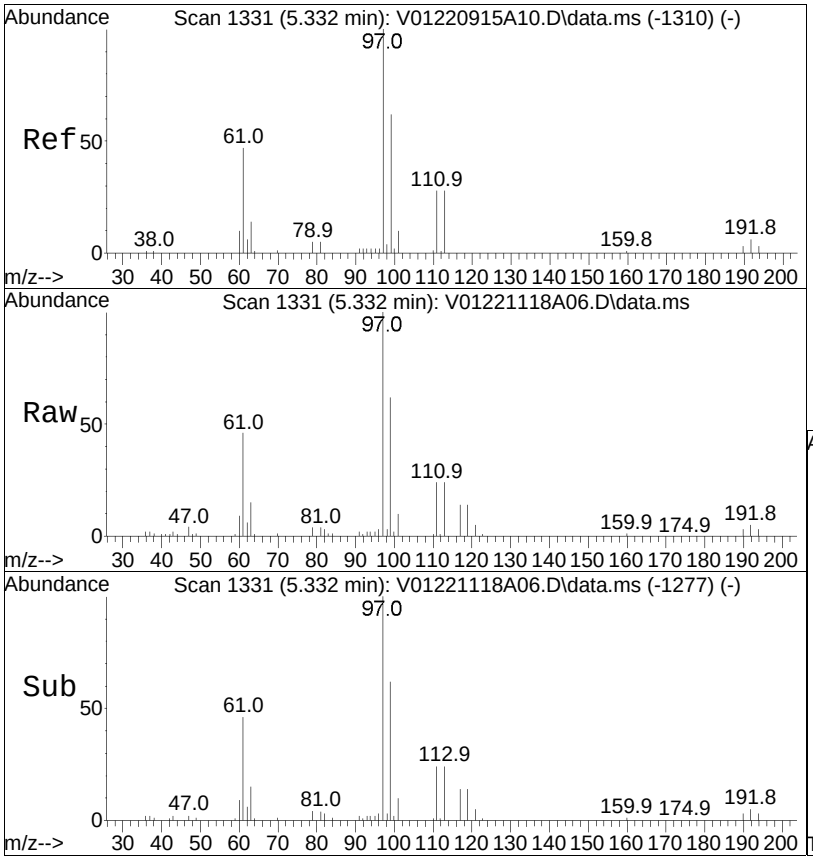


#34
Carbon tetrachloride
Concen: 10.12 ug/L
RT: 5.273 min Scan# 1310
Delta R.T. 0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:117 Resp: 225187

Ion	Ratio	Lower	Upper
117	100		
119	96.7	62.1	128.9
121	31.3	19.8	41.0
82	25.1	17.1	35.5

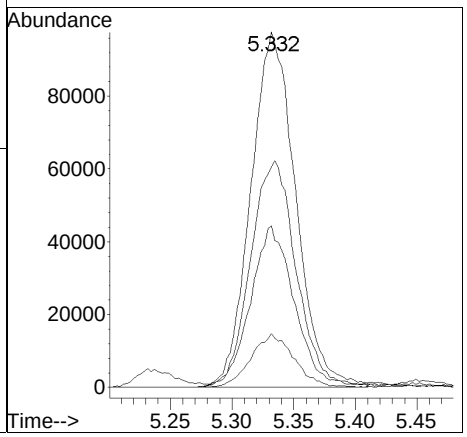


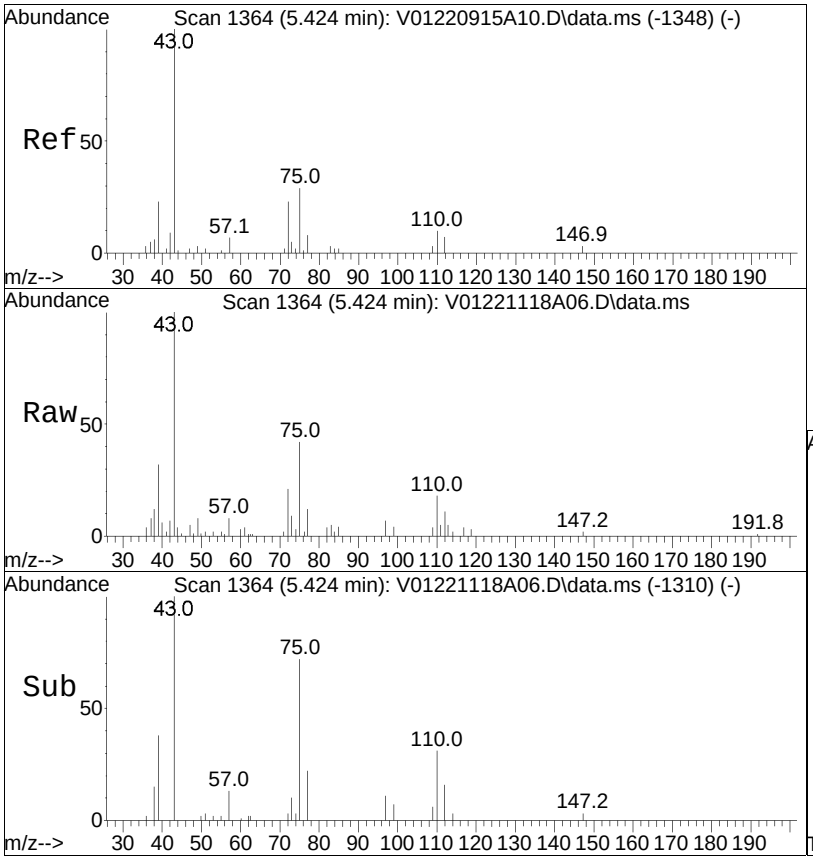


#37
1,1,1-Trichloroethane
Concen: 10.41 ug/L
RT: 5.332 min Scan# 1331
Delta R.T. -0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 97 Resp: 248063

Ion	Ratio	Lower	Upper
97	100		
99	65.1	41.7	86.7
61	42.9	29.4	61.2
63	14.4	9.4	19.4

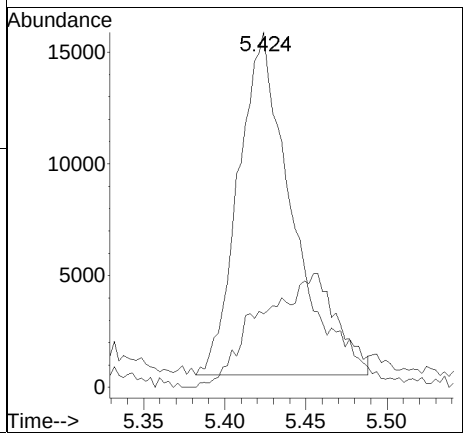


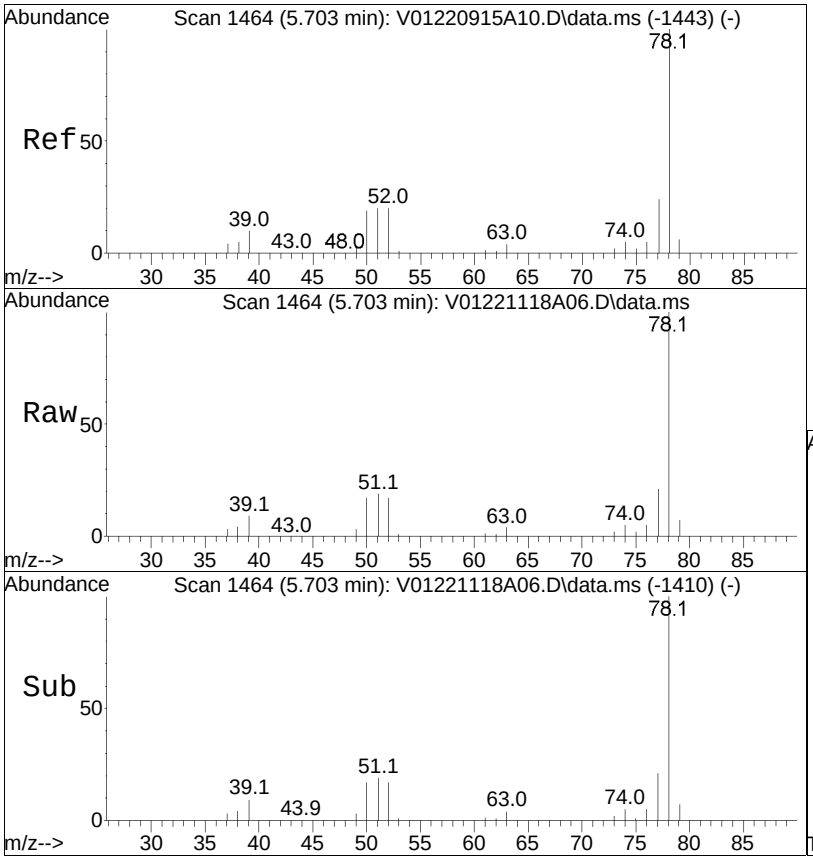


#39
2-Butanone
Concen: 7.82 ug/L
RT: 5.424 min Scan# 1364
Delta R.T. -0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 43 Resp: 35246

Ion	Ratio	Lower	Upper
43	100		
72	8.5	45.8	68.6#

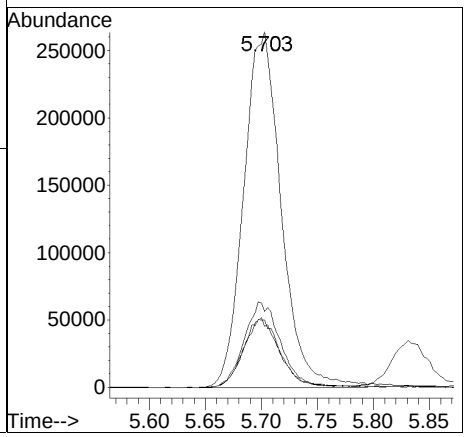


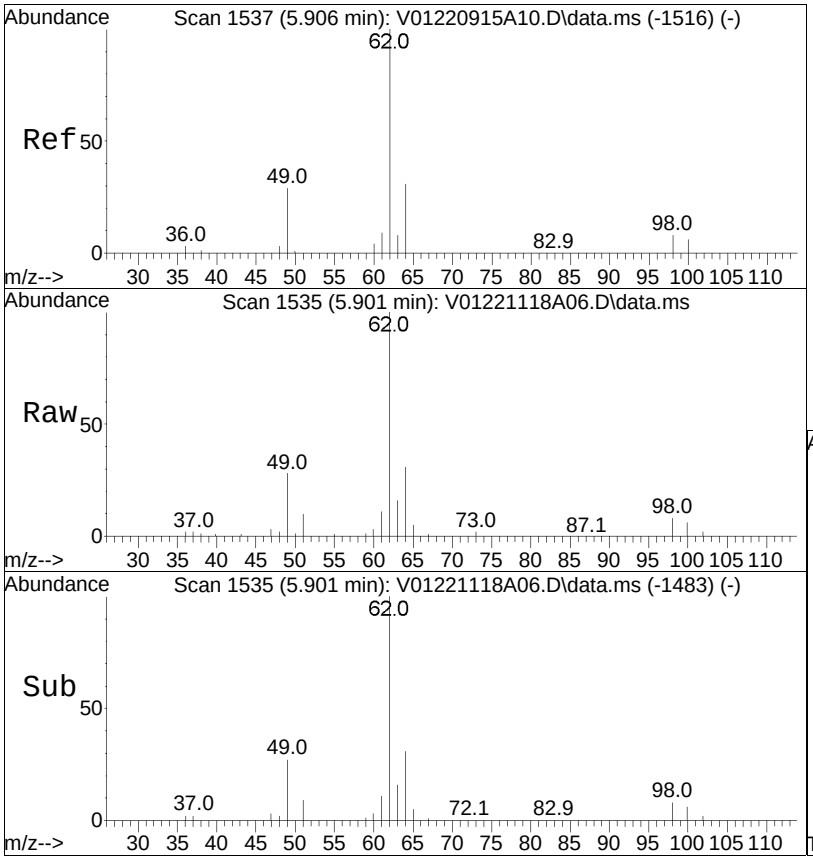


#41
Benzene
Concen: 10.30 ug/L
RT: 5.703 min Scan# 1464
Delta R.T. -0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 78 Resp: 614355

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.7	32.5
51	19.2	11.6	24.2
52	18.6	10.9	22.5

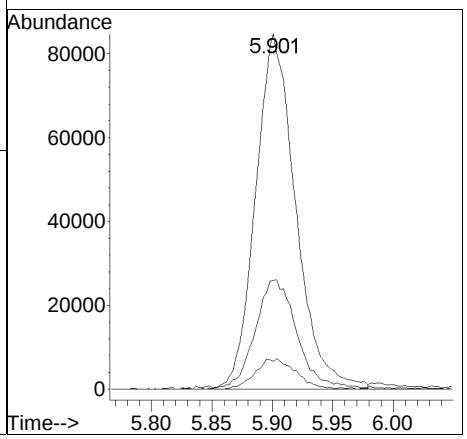


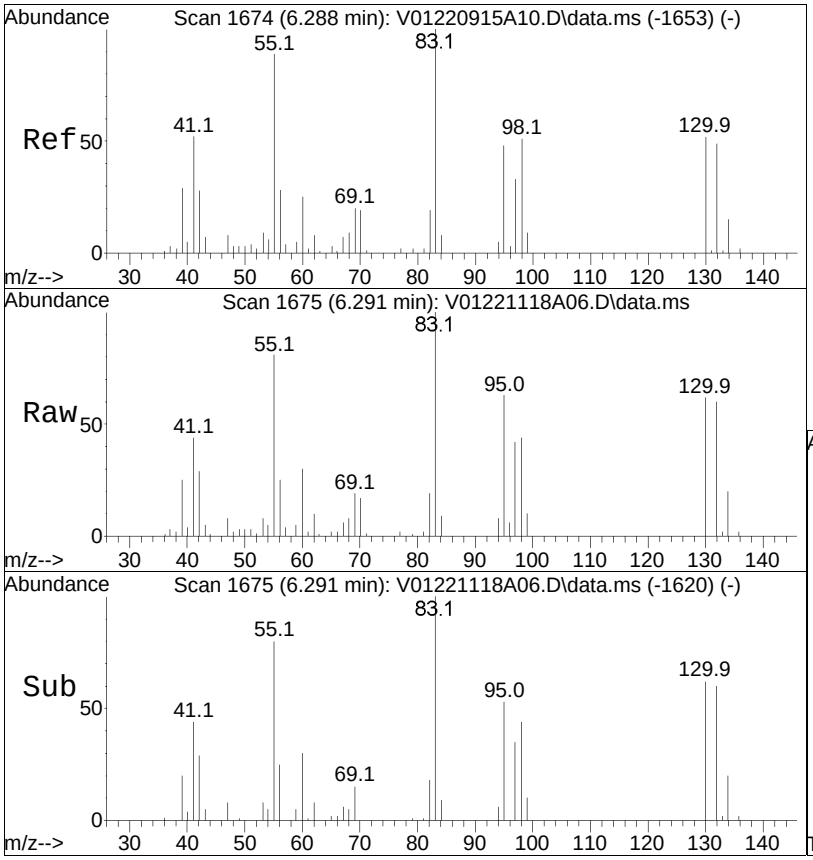


#44
1,2-Dichloroethane
Concen: 10.14 ug/L
RT: 5.901 min Scan# 1535
Delta R.T. -0.005 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 62 Resp: 196015

Ion	Ratio	Lower	Upper
62	100		
64	30.7	12.1	52.1
98	8.8	0.0	28.8

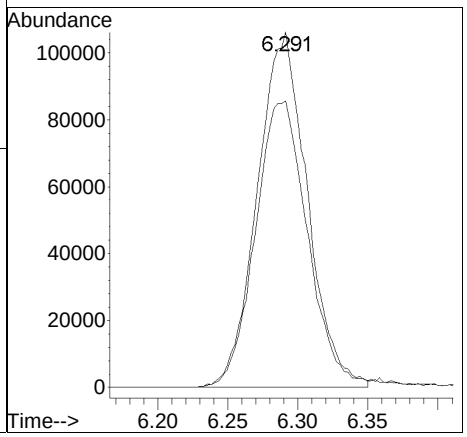


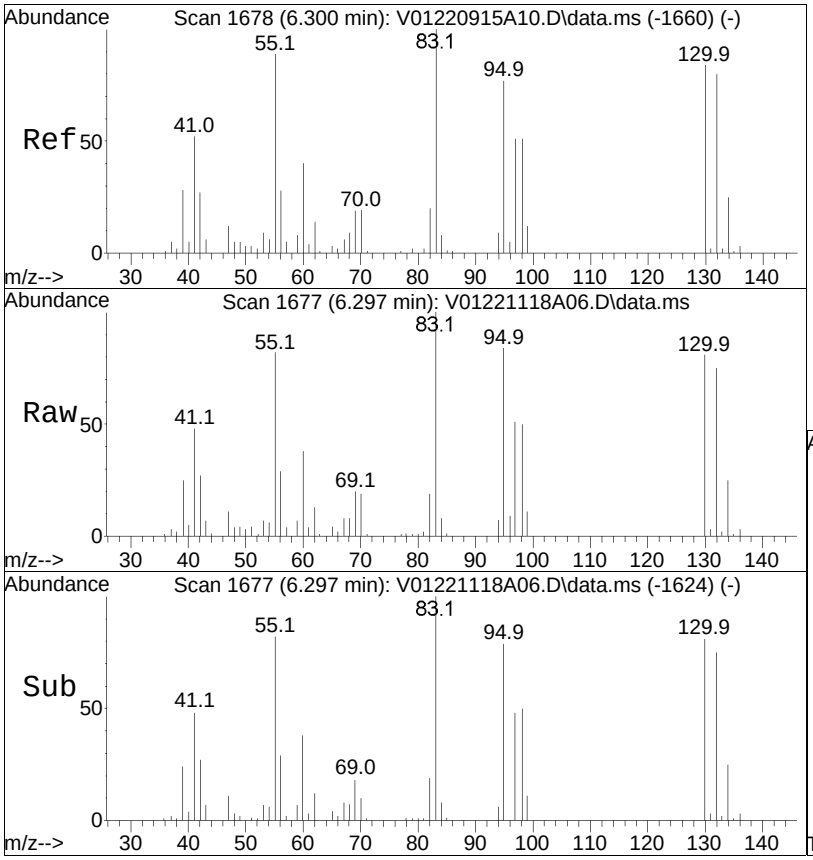


#47
Methyl cyclohexane
Concen: 9.97 ug/L
RT: 6.291 min Scan# 1675
Delta R.T. 0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 83 Resp: 263452

Ion	Ratio	Lower	Upper
83	100		
55	85.1	64.6	96.8

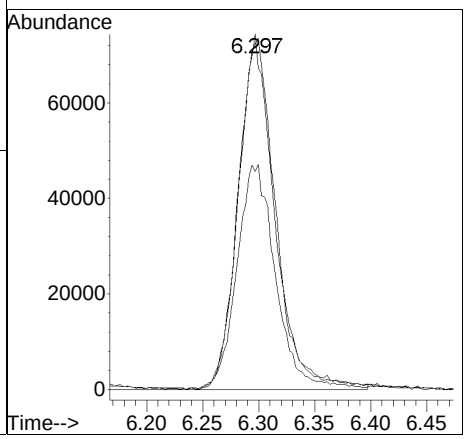


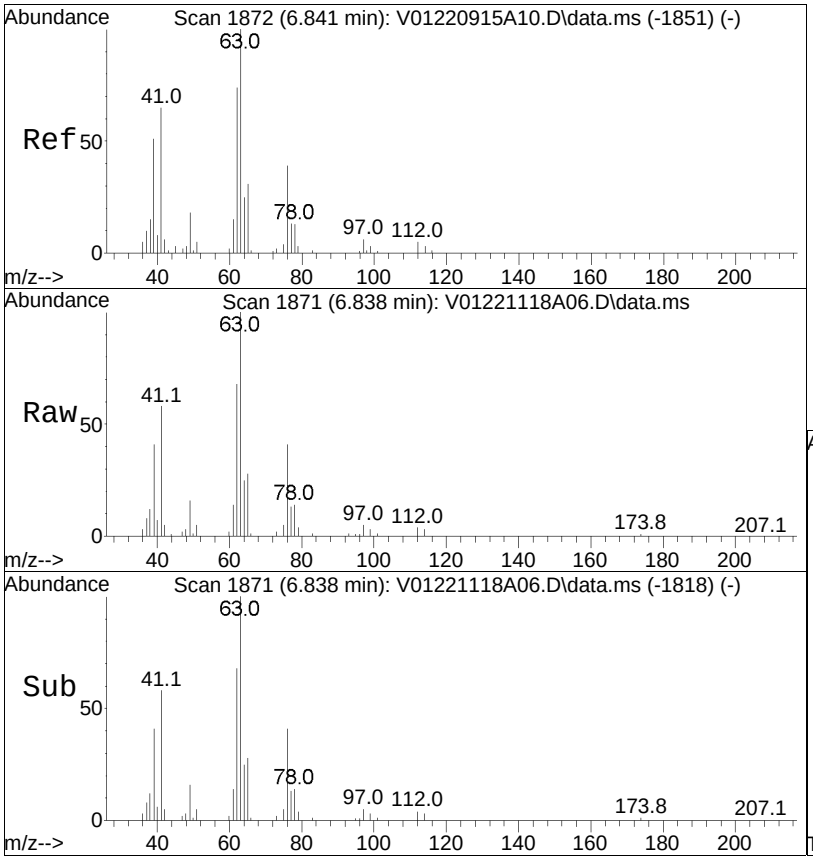


#48
Trichloroethene
Concen: 9.69 ug/L
RT: 6.297 min Scan# 1677
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 95 Resp: 168013

Ion	Ratio	Lower	Upper
95	100		
97	67.5	54.4	81.6
130	102.3	80.6	120.8

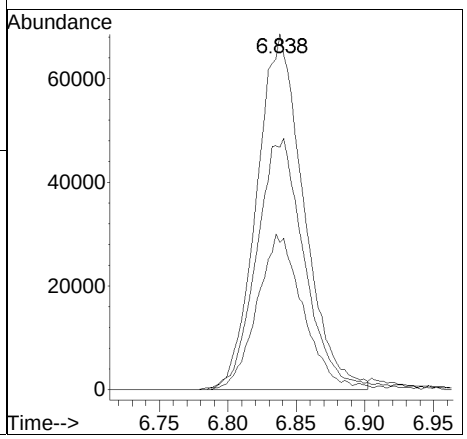


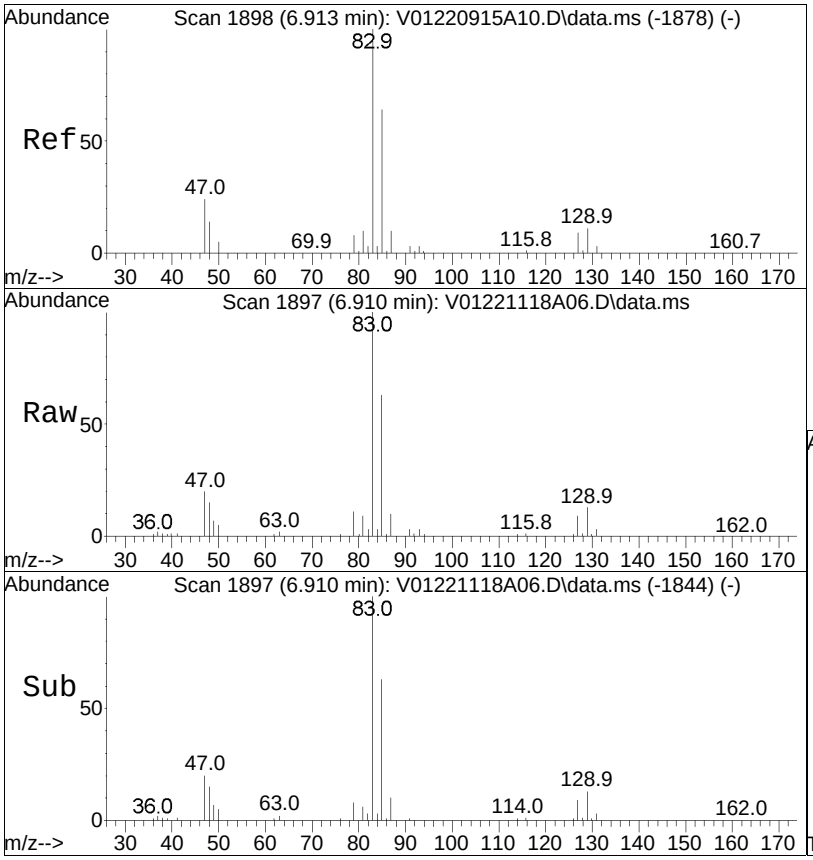


#51
1,2-Dichloropropane
Concen: 9.95 ug/L
RT: 6.838 min Scan# 1871
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 63 Resp: 164069

Ion	Ratio	Lower	Upper
63	100		
62	72.0	57.2	85.8
76	42.3	33.6	50.4

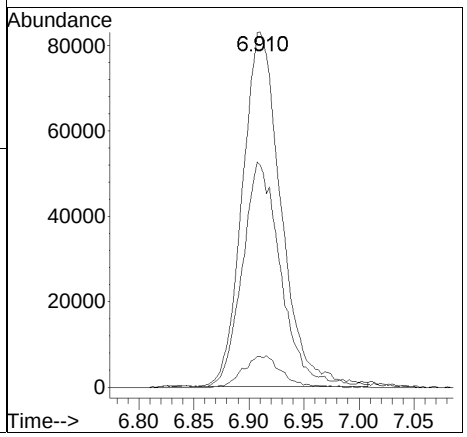


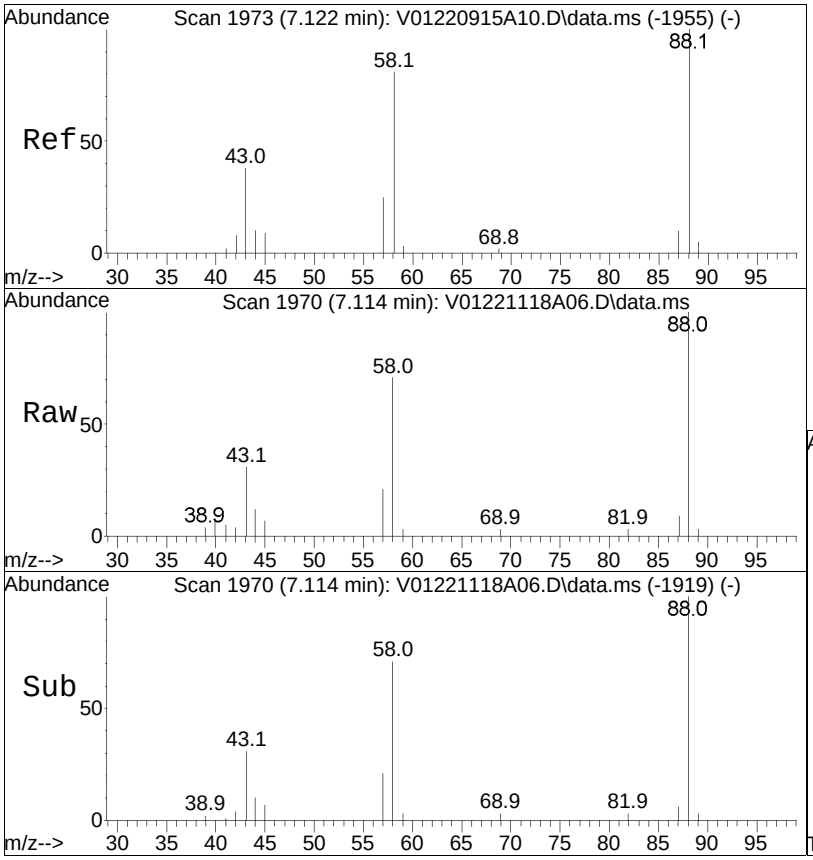


#54
Bromodichloromethane
Concen: 10.26 ug/L
RT: 6.910 min Scan# 1897
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 83 Resp: 203071

Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.2	78.4
127	8.9	6.9	10.3

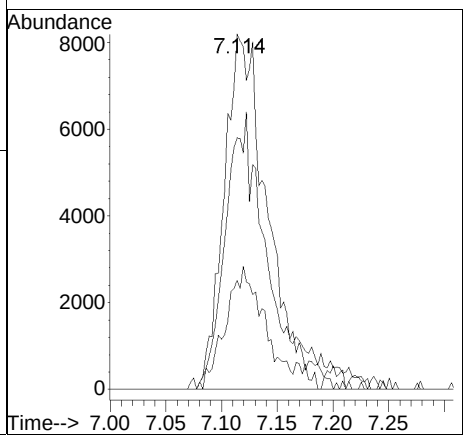


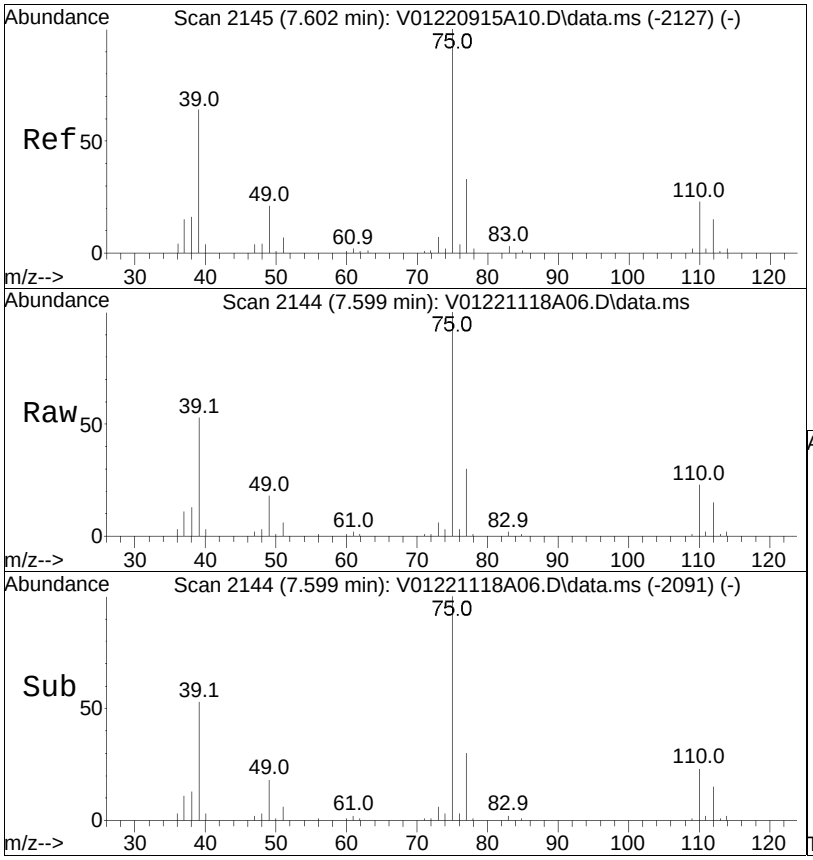


#57
1,4-Dioxane
Concen: 280.27 ug/L M1
RT: 7.114 min Scan# 1970
Delta R.T. -0.008 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 88 Resp: 23375

Ion	Ratio	Lower	Upper
88	100		
58	68.2	54.8	82.2
43	29.4	29.3	43.9

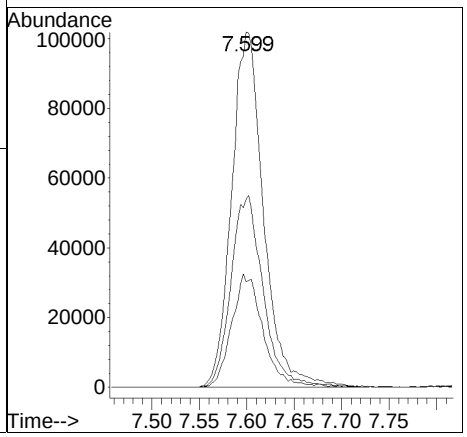


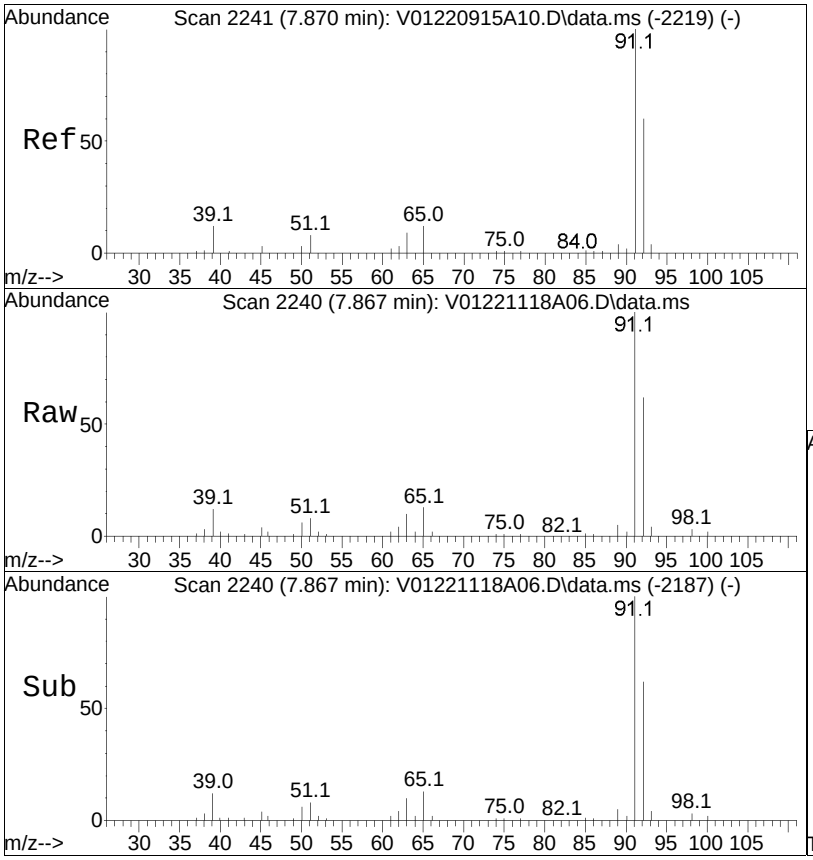


#58
cis-1,3-Dichloropropene
Concen: 10.22 ug/L
RT: 7.599 min Scan# 2144
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 75 Resp: 239978

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.1	37.7
39	54.0	42.6	63.8

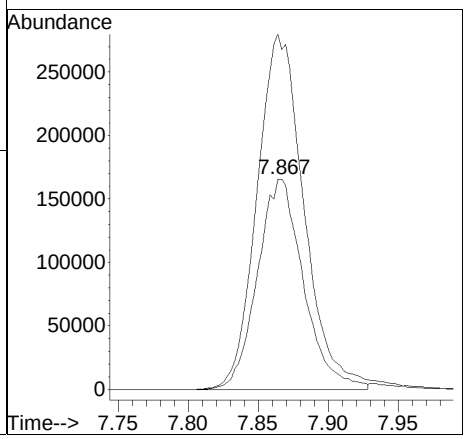


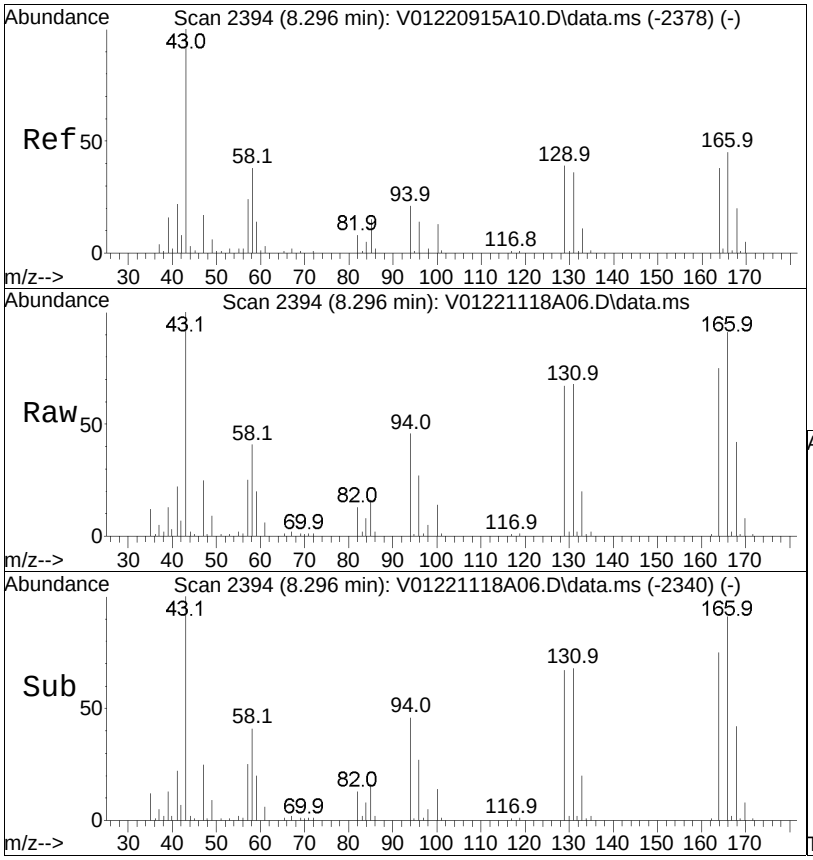


#61
Toluene
Concen: 9.91 ug/L
RT: 7.867 min Scan# 2240
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 92 Resp: 378928

Ion	Ratio	Lower	Upper
92	100		
91	174.6	137.5	206.3

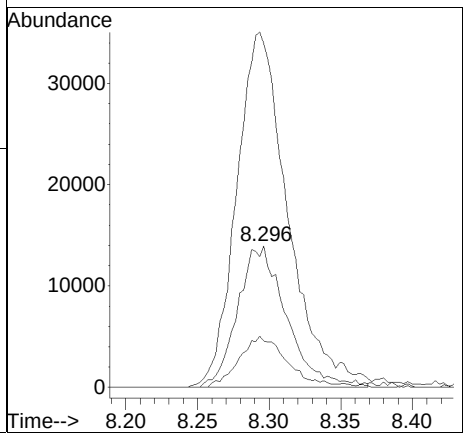


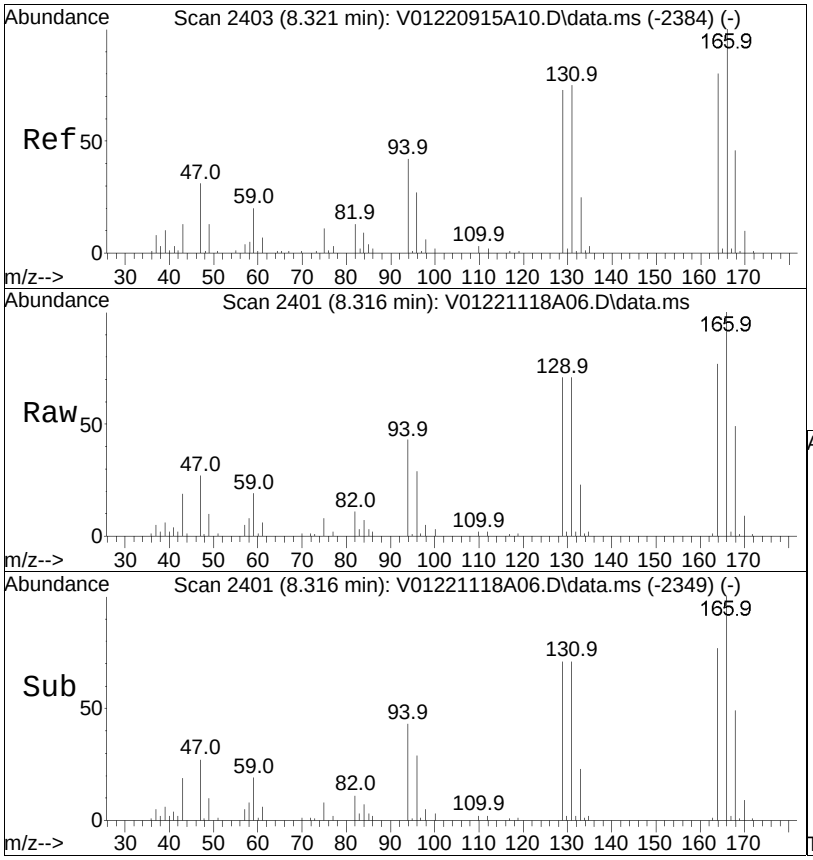


#62
4-Methyl-2-pentanone
Concen: 8.78 ug/L
RT: 8.296 min Scan# 2394
Delta R.T. 0.000 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 58 Resp: 33119

Ion	Ratio	Lower	Upper
58	100		
100	35.3	31.8	47.6
43	264.0	212.5	318.7

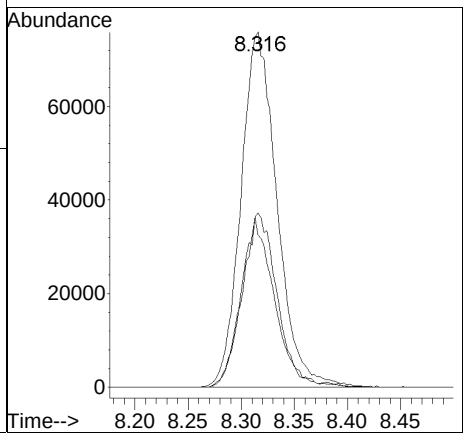


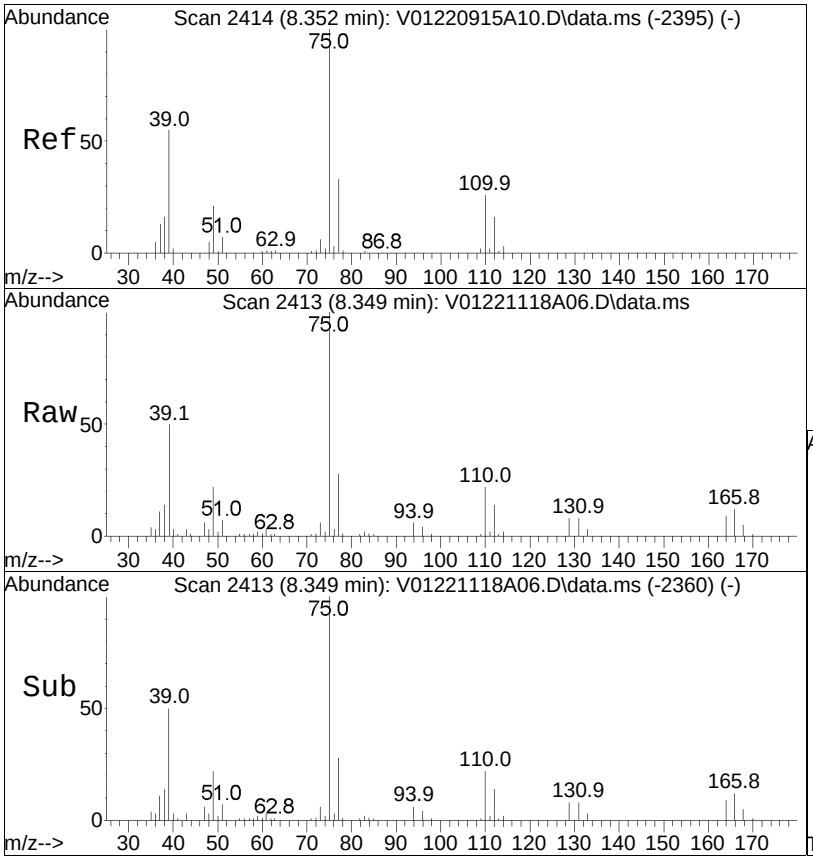


#63
Tetrachloroethene
Concen: 10.69 ug/L
RT: 8.316 min Scan# 2401
Delta R.T. -0.005 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:166 Resp: 179618

Ion	Ratio	Lower	Upper
166	100		
168	47.8	27.4	67.4
94	43.6	24.8	64.8

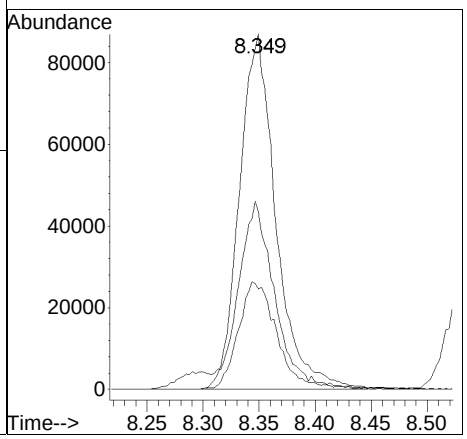


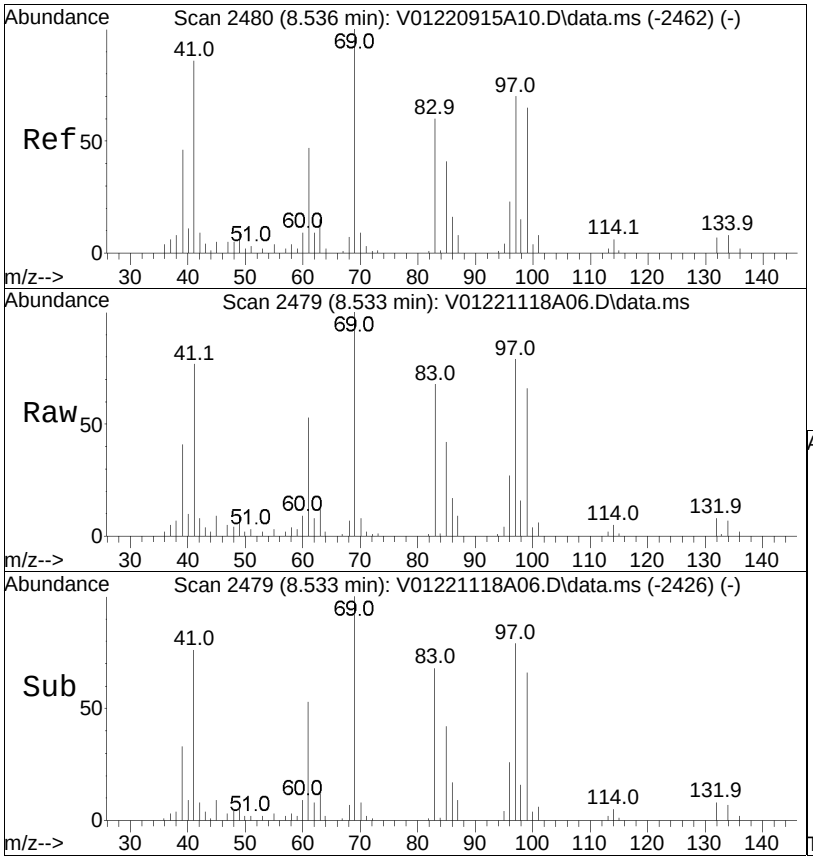


#65
trans-1,3-Dichloropropene
Concen: 10.18 ug/L
RT: 8.349 min Scan# 2413
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 75 Resp: 197085

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.8	51.8
39	51.5	30.2	70.2

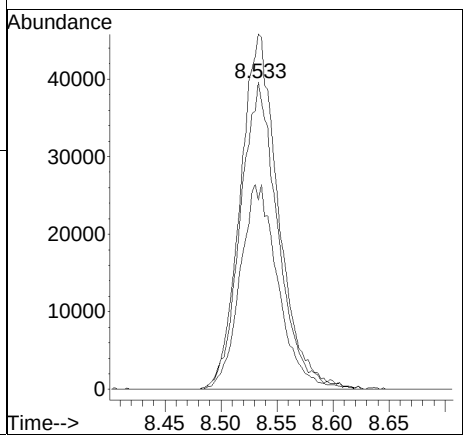


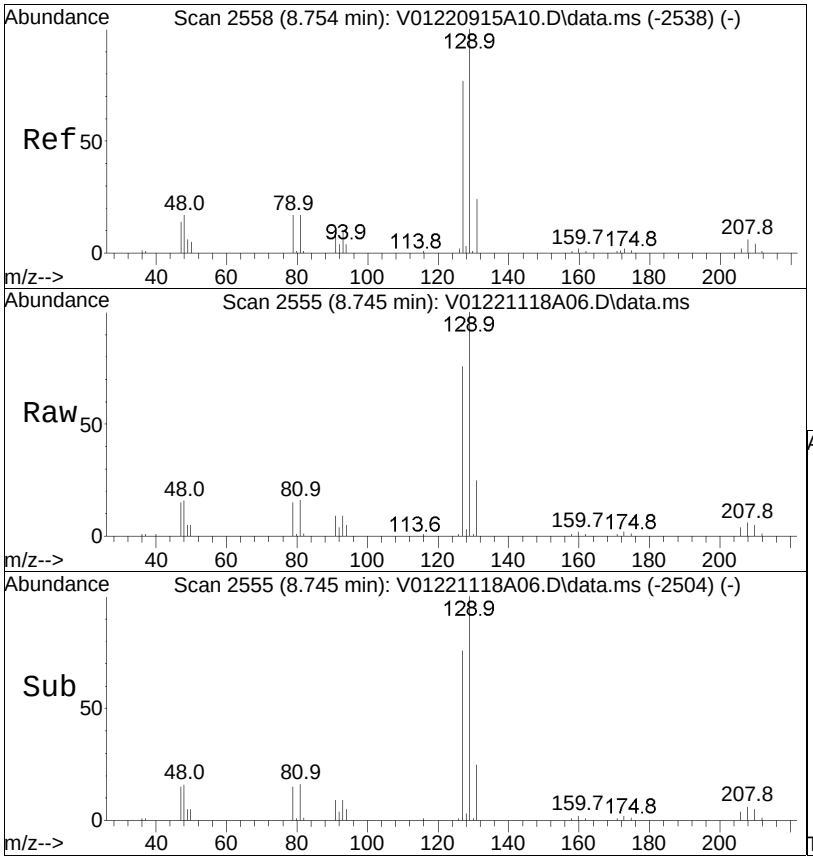


#68
1,1,2-Trichloroethane
Concen: 10.45 ug/L
RT: 8.533 min Scan# 2479
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 83 Resp: 93091

Ion	Ratio	Lower	Upper
83	100		
97	117.3	96.7	136.7
85	67.2	45.3	85.3

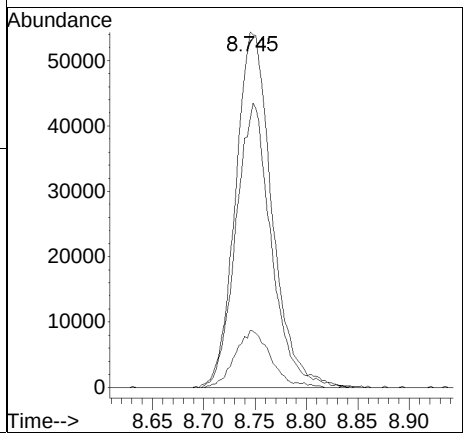


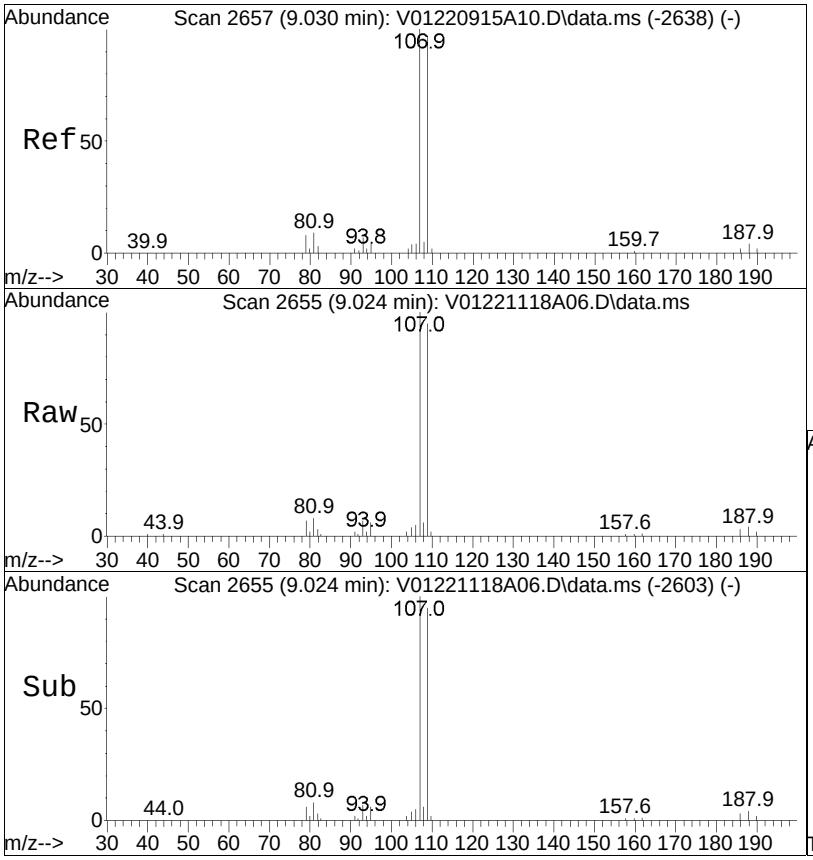


#69
Chlorodibromomethane
Concen: 9.69 ug/L
RT: 8.745 min Scan# 2555
Delta R.T. -0.009 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:129 Resp: 134591

Ion	Ratio	Lower	Upper
129	100		
81	15.8	0.0	37.9
127	77.5	56.6	96.6

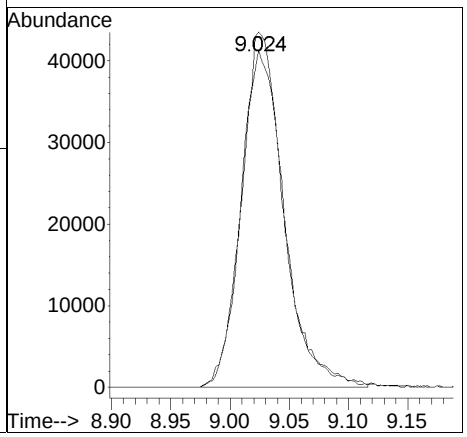


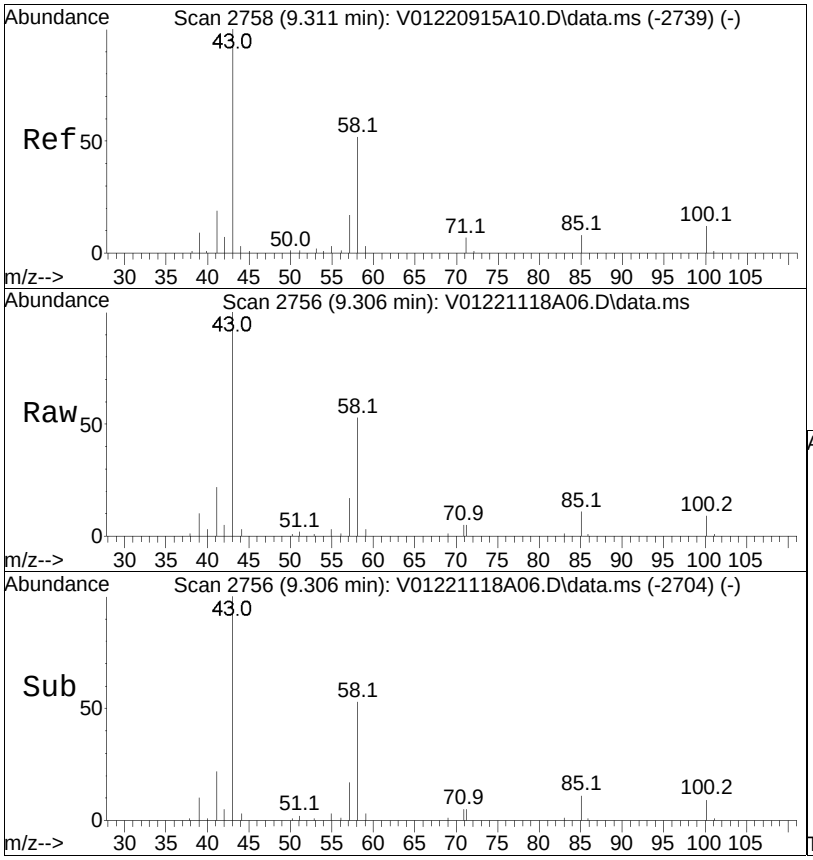


#71
1,2-Dibromoethane
Concen: 10.13 ug/L
RT: 9.024 min Scan# 2655
Delta R.T. -0.006 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:107 Resp: 109016

Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.6	113.4

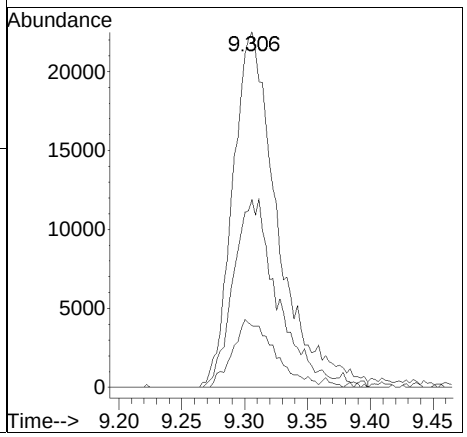


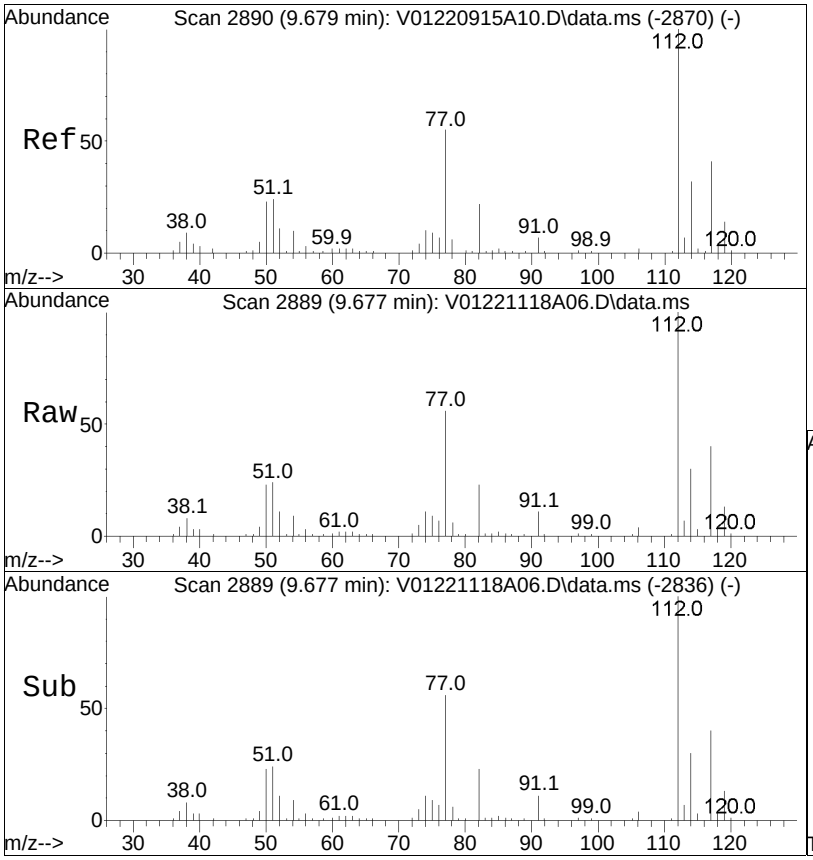


#72
2-Hexanone
Concen: 8.43 ug/L
RT: 9.306 min Scan# 2756
Delta R.T. -0.005 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 43 Resp: 56123

Ion	Ratio	Lower	Upper
43	100		
58	51.9	40.8	61.2
57	17.8	14.2	21.4

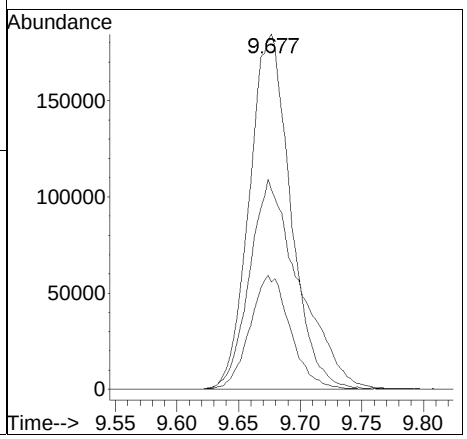


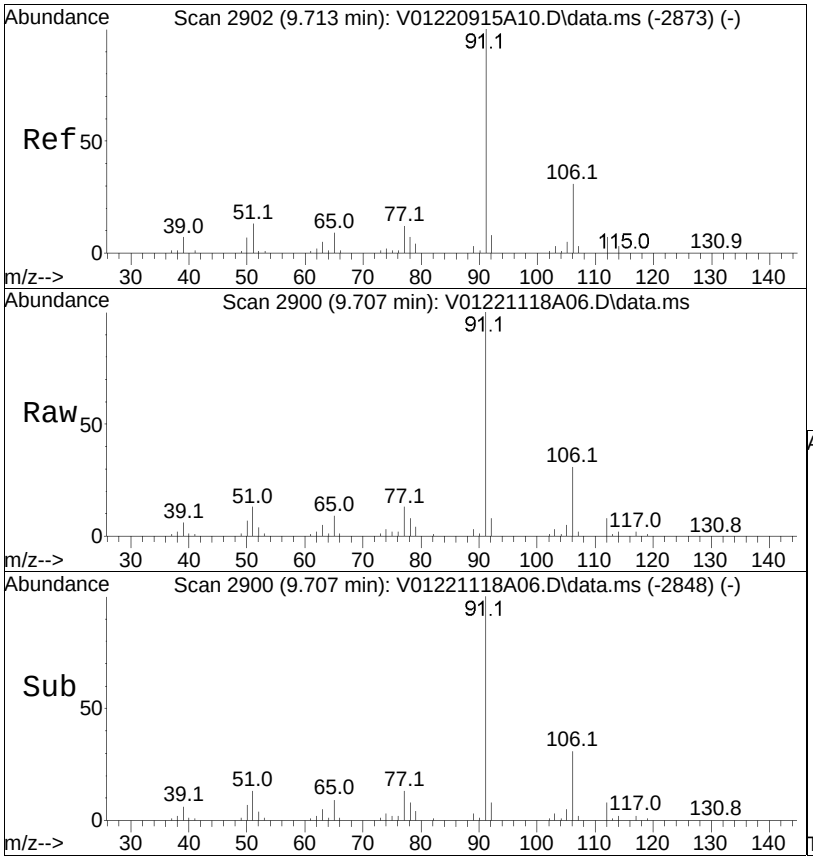


#73
Chlorobenzene
Concen: 9.99 ug/L
RT: 9.677 min Scan# 2889
Delta R.T. -0.002 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:112 Resp: 429268

Ion	Ratio	Lower	Upper
112	100		
77	72.5	59.8	89.6
114	31.7	25.4	38.2

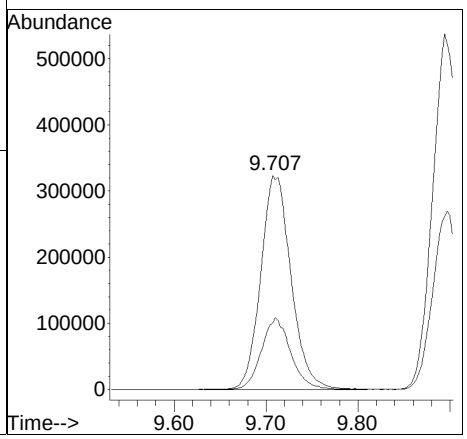


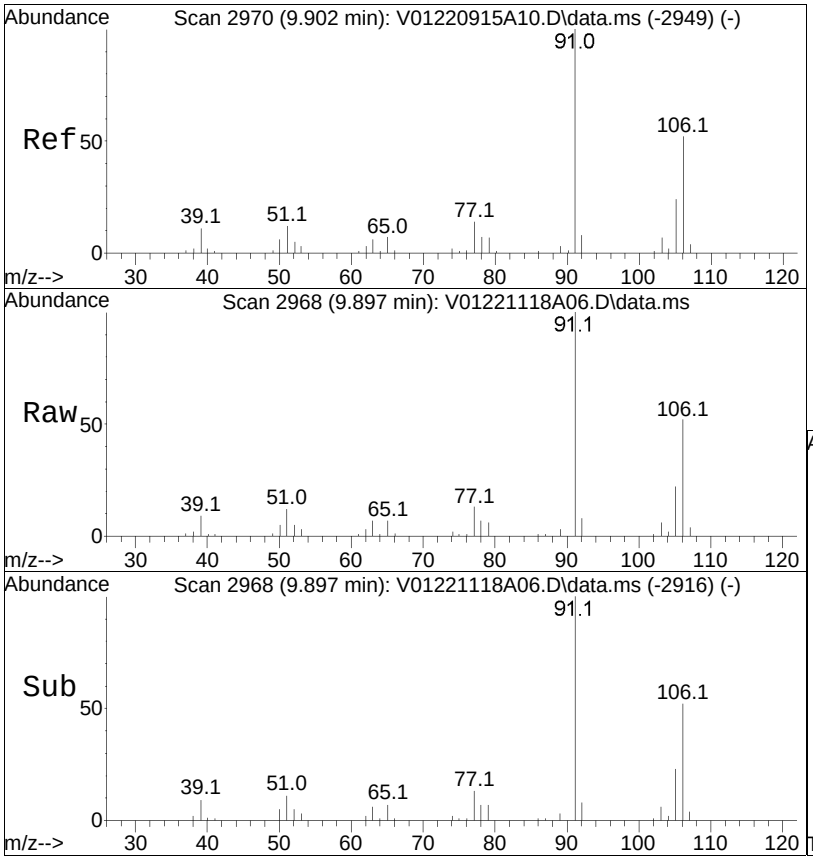


#74
Ethylbenzene
Concen: 10.21 ug/L
RT: 9.707 min Scan# 2900
Delta R.T. -0.006 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 91 Resp: 741314

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.7	37.1

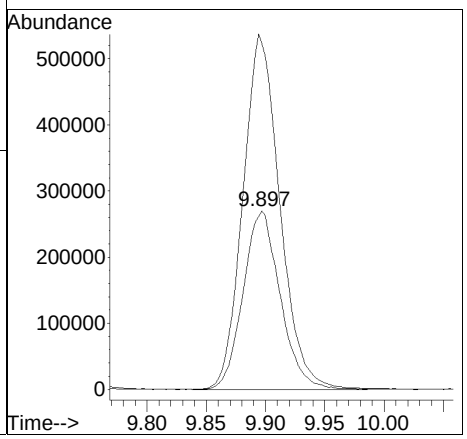


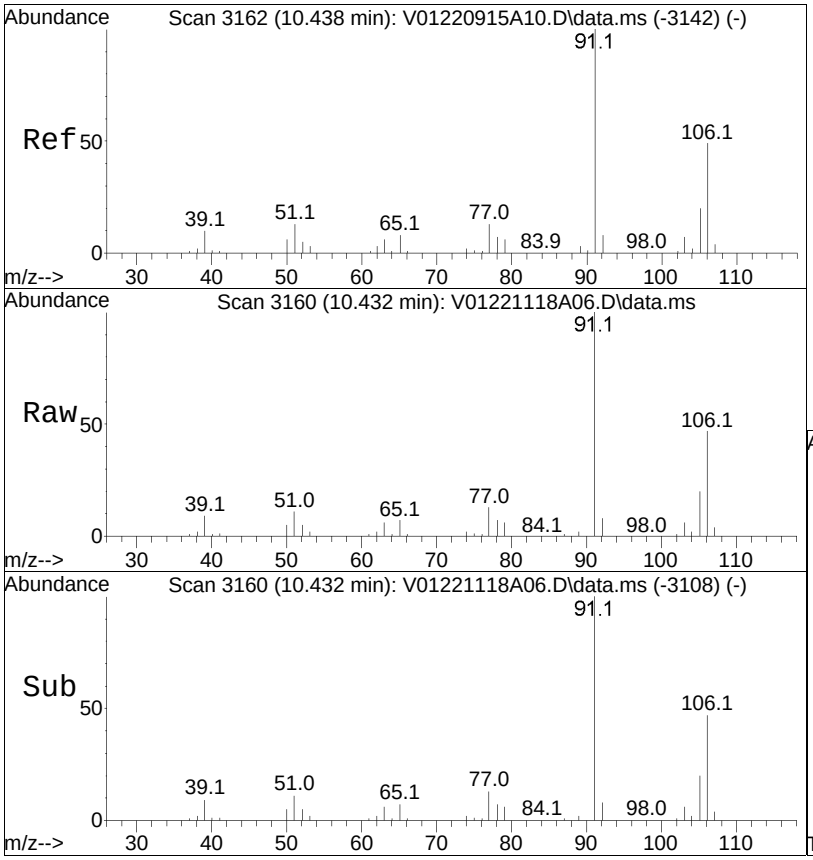


#76
p/m Xylene
Concen: 20.43 ug/L
RT: 9.897 min Scan# 2968
Delta R.T. -0.005 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:106 Resp: 587503

Ion	Ratio	Lower	Upper
106	100		
91	198.3	162.9	244.3

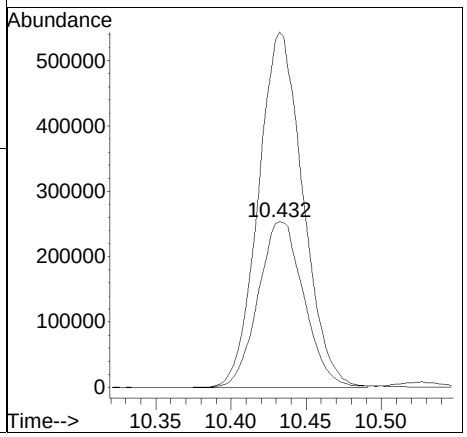


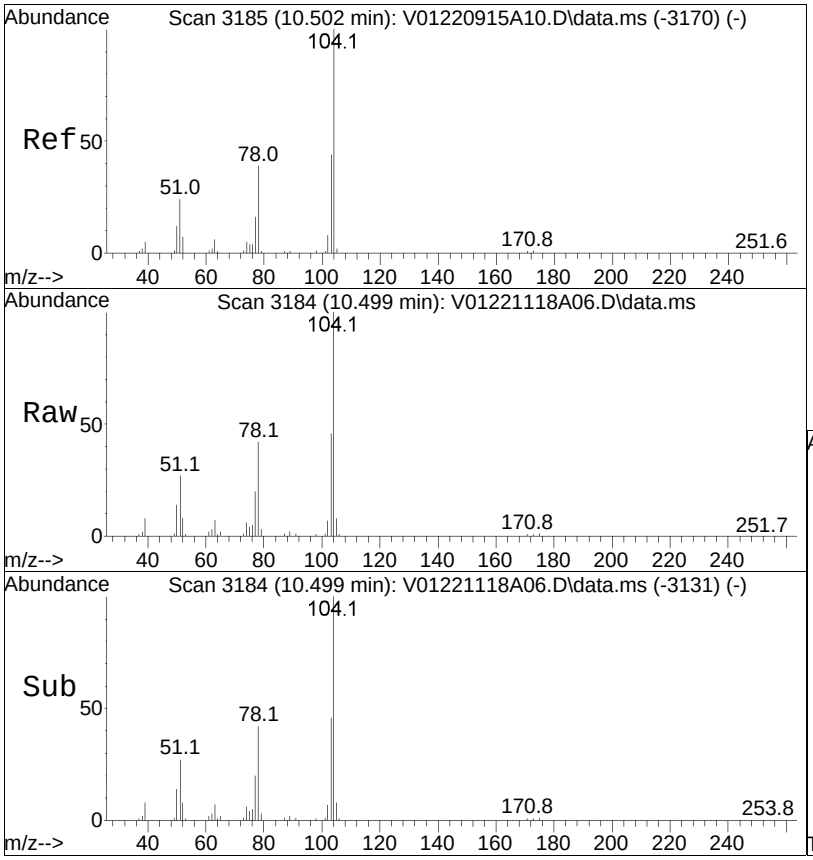


#77
o Xylene
Concen: 19.58 ug/L
RT: 10.432 min Scan# 3160
Delta R.T. -0.006 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:106 Resp: 535378

Ion	Ratio	Lower	Upper
106	100		
91	209.5	171.2	256.8

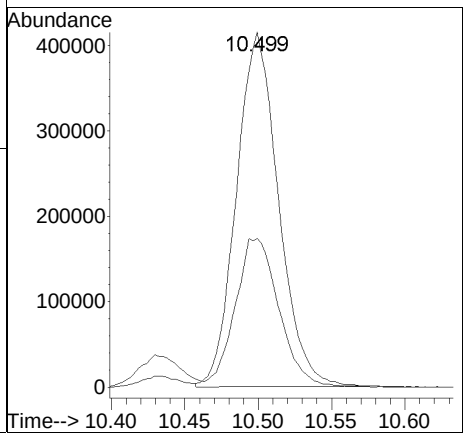


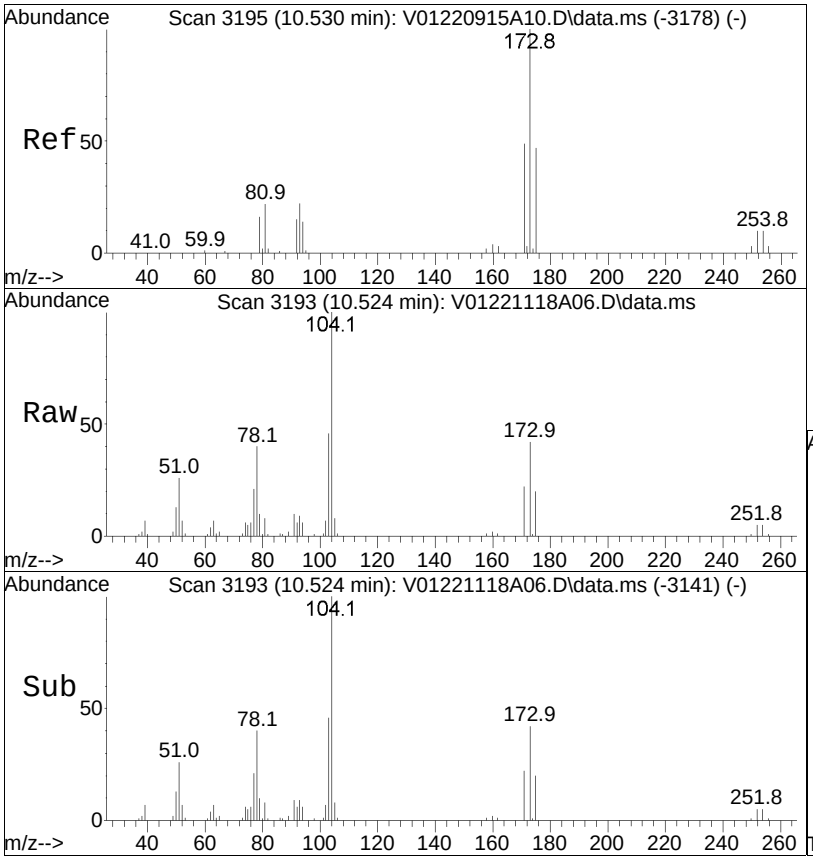


#78
Styrene
Concen: 18.69 ug/L
RT: 10.499 min Scan# 3184
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:104 Resp: 826286

Ion	Ratio	Lower	Upper
104	100		
78	43.6	34.2	51.4

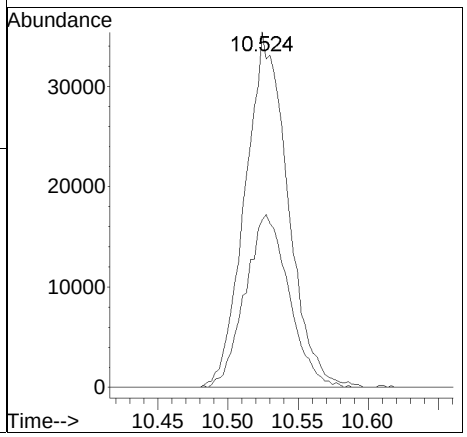


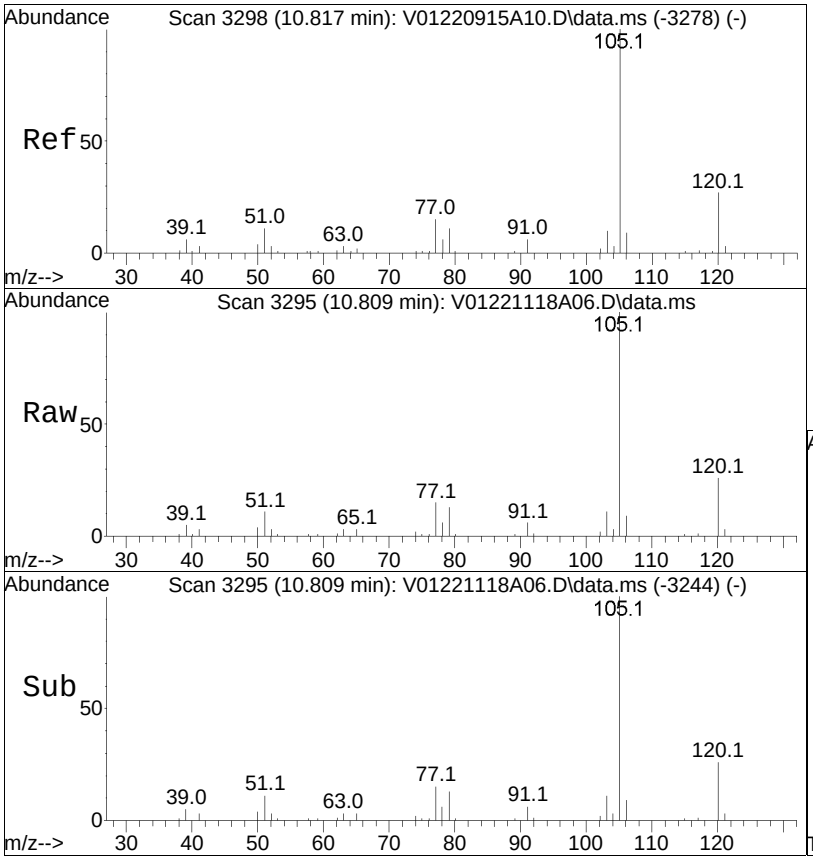


#80
Bromoform
Concen: 9.41 ug/L
RT: 10.524 min Scan# 3193
Delta R.T. -0.006 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:173 Resp: 75170

Ion	Ratio	Lower	Upper
173	100		
175	50.0	28.6	68.6

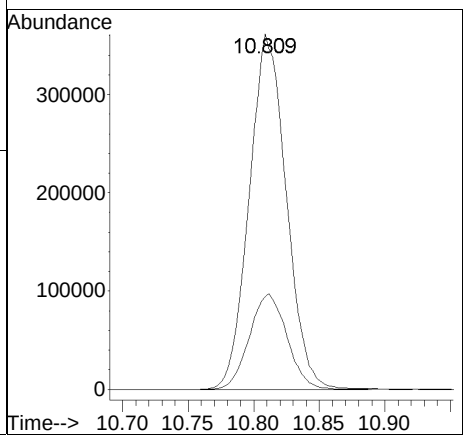


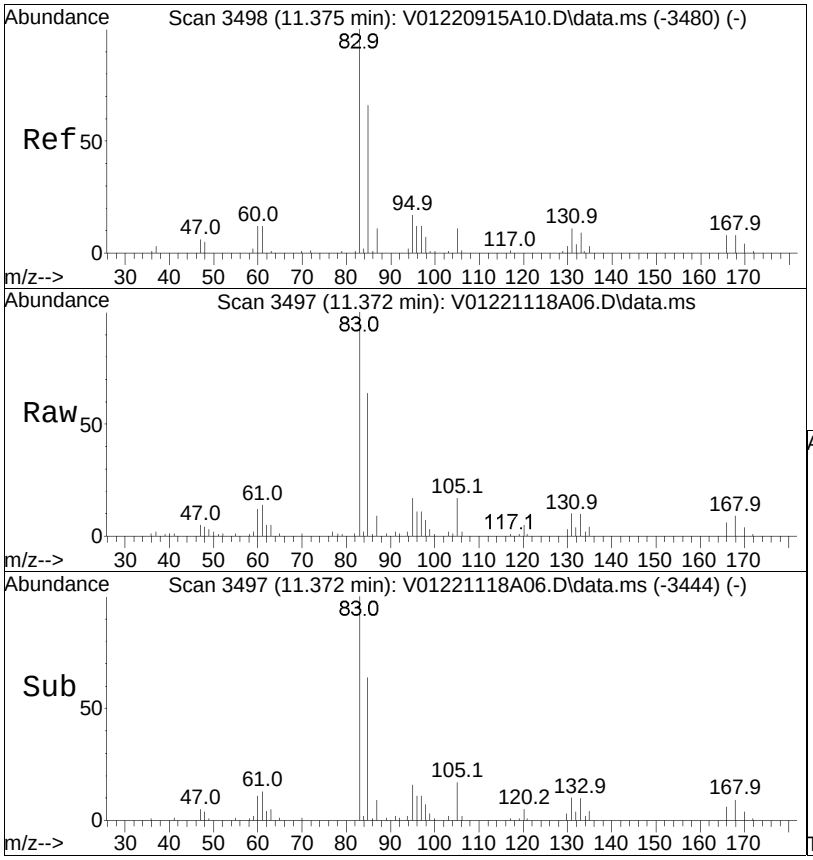


#82
Isopropylbenzene
Concen: 9.61 ug/L
RT: 10.809 min Scan# 3295
Delta R.T. -0.008 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:105 Resp: 710157

Ion	Ratio	Lower	Upper
105	100		
120	27.2	7.3	47.3

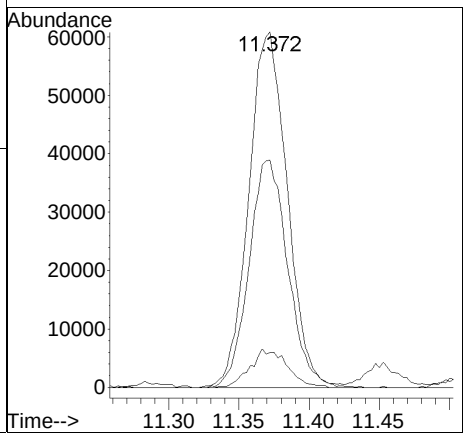


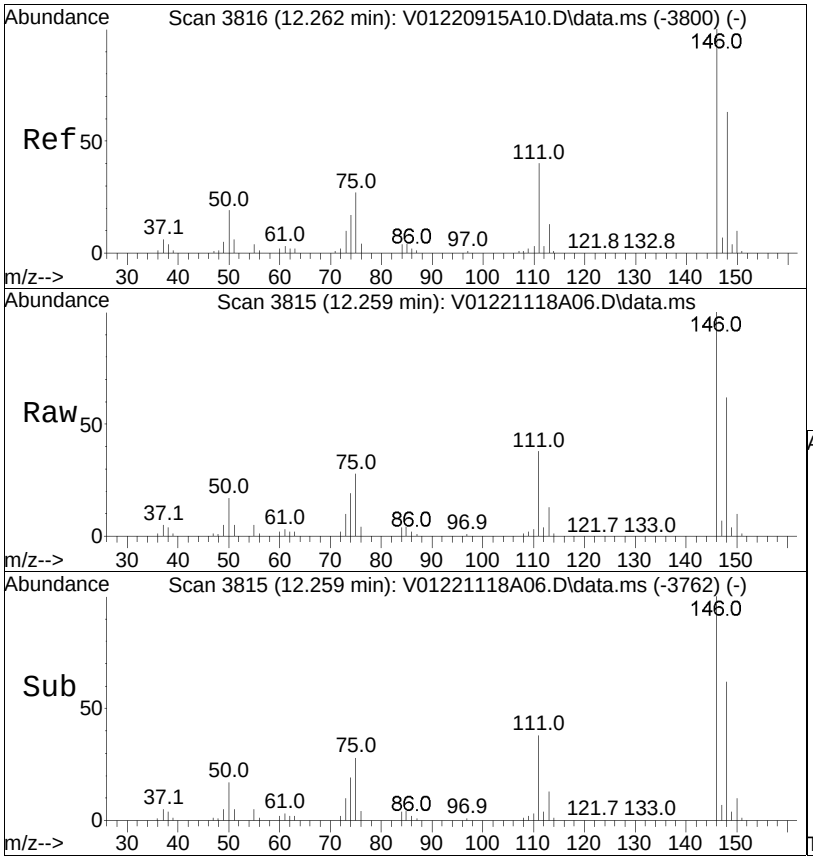


#87
1,1,2,2-Tetrachloroethane
Concen: 9.72 ug/L
RT: 11.372 min Scan# 3497
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion: 83 Resp: 116189

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	30.1
85	64.6	45.8	85.8

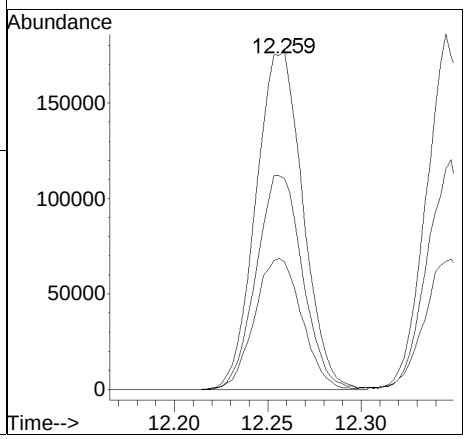


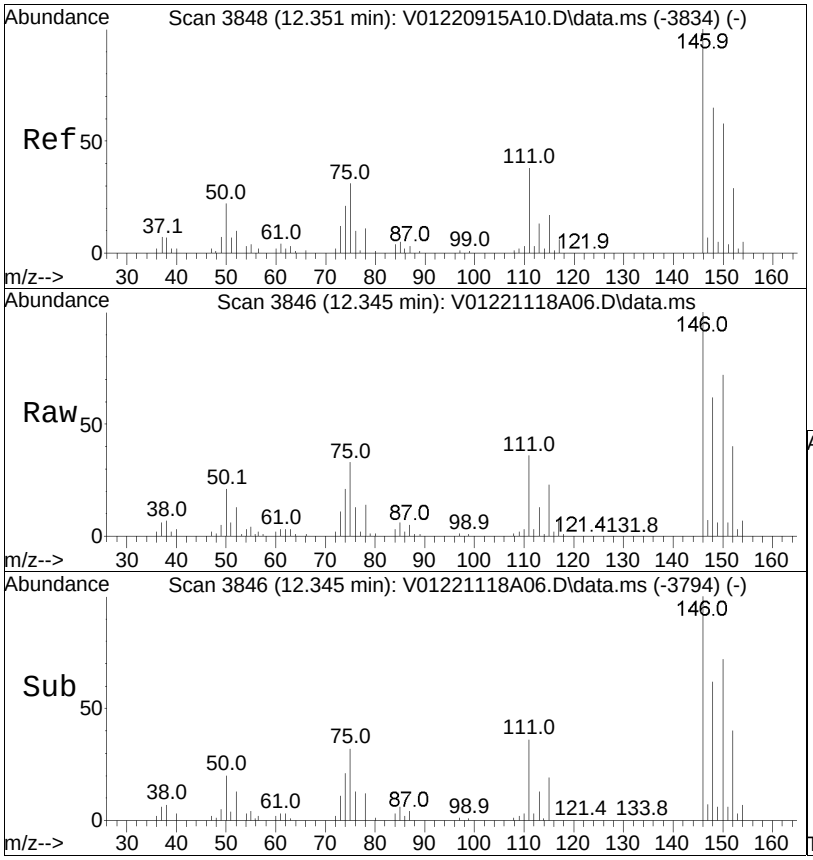


#100
1,3-Dichlorobenzene
Concen: 9.74 ug/L
RT: 12.259 min Scan# 3815
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:146 Resp: 310127

Ion	Ratio	Lower	Upper
146	100		
111	38.9	25.9	53.9
148	62.6	41.5	86.3

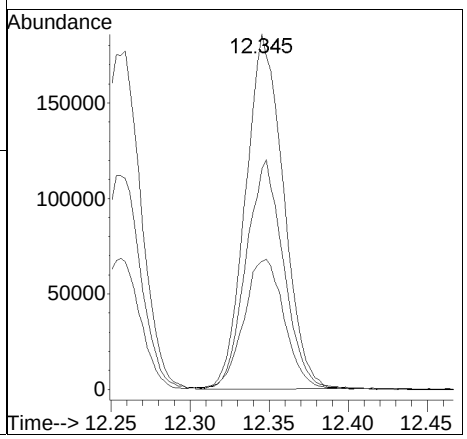


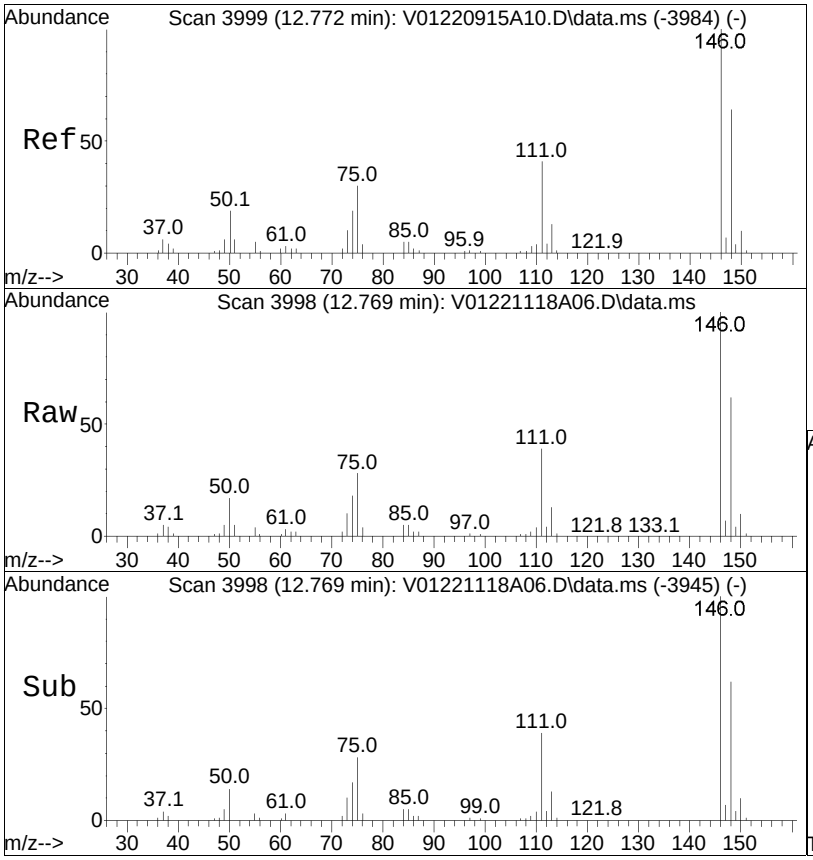


#101
1,4-Dichlorobenzene
Concen: 9.58 ug/L
RT: 12.345 min Scan# 3846
Delta R.T. -0.006 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:146 Resp: 310507

Ion	Ratio	Lower	Upper
146	100		
111	39.0	31.7	47.5
148	64.3	51.5	77.3

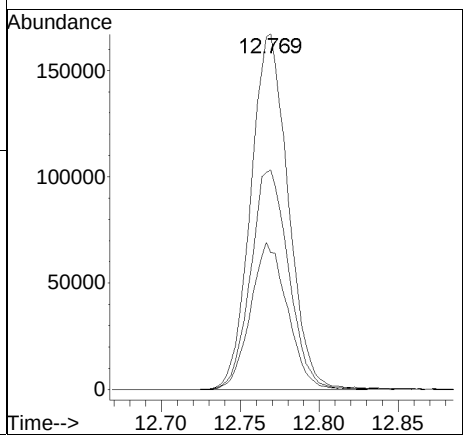


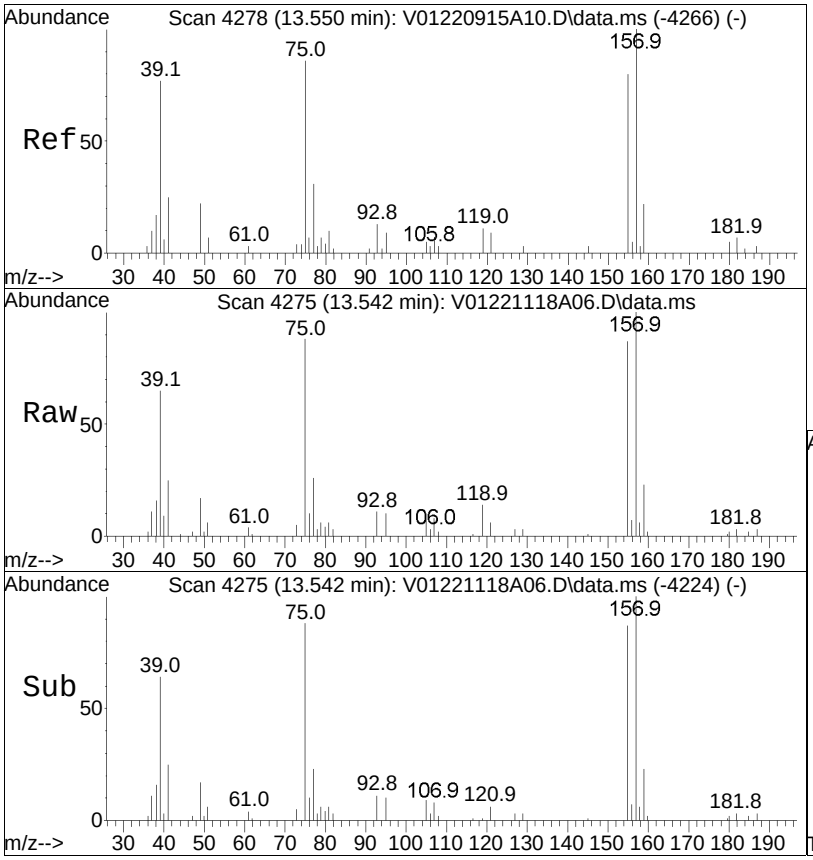


#104
1,2-Dichlorobenzene
Concen: 9.73 ug/L
RT: 12.769 min Scan# 3998
Delta R.T. -0.003 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:146 Resp: 275274

Ion	Ratio	Lower	Upper
146	100		
111	40.8	26.8	55.8
148	62.5	41.6	86.4

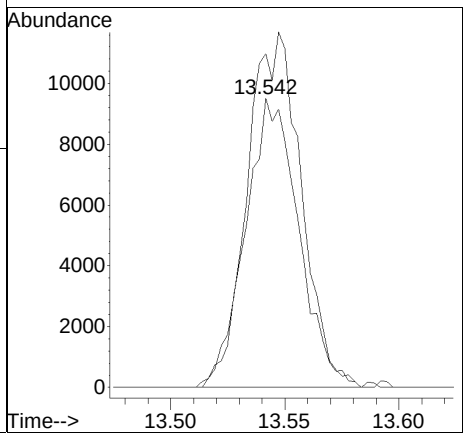


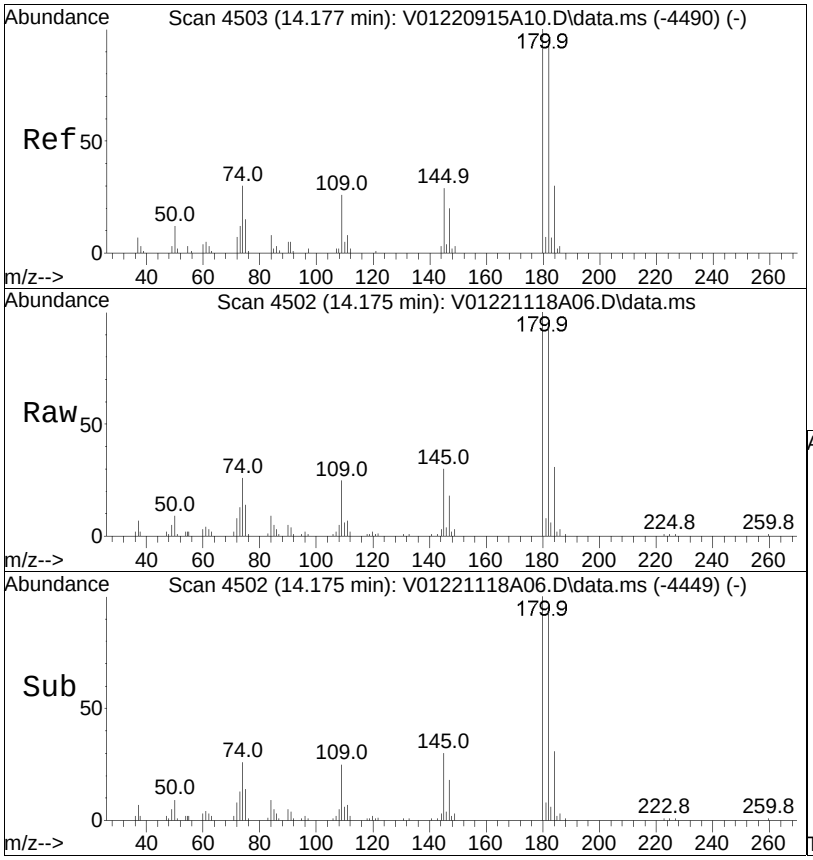


#106
1,2-Dibromo-3-chloropropane
Concen: 8.66 ug/L
RT: 13.542 min Scan# 4275
Delta R.T. -0.008 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:155 Resp: 15313

Ion	Ratio	Lower	Upper
155	100		
157	126.2	101.1	151.7

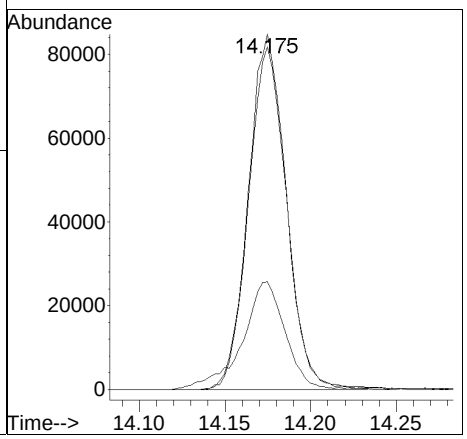


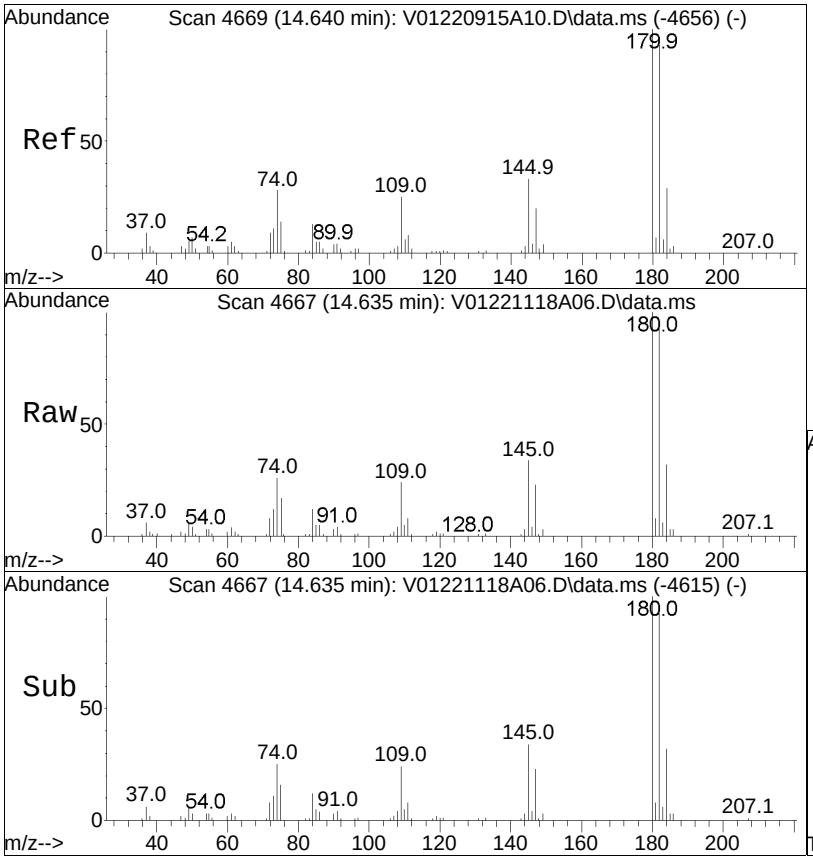


#109
1,2,4-Trichlorobenzene
Concen: 10.04 ug/L
RT: 14.175 min Scan# 4502
Delta R.T. -0.002 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:180 Resp: 130420

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.8
145	34.1	26.1	39.1

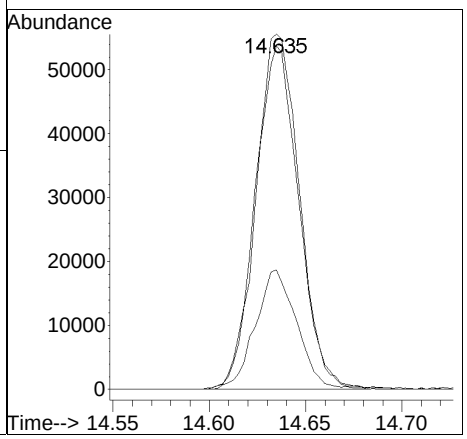




#111
1,2,3-Trichlorobenzene
Concen: 9.71 ug/L
RT: 14.635 min Scan# 4667
Delta R.T. -0.005 min
Lab File: V01221118A06.D
Acq: 18 Nov 2022 10:07 am

Tgt Ion:180 Resp: 88361

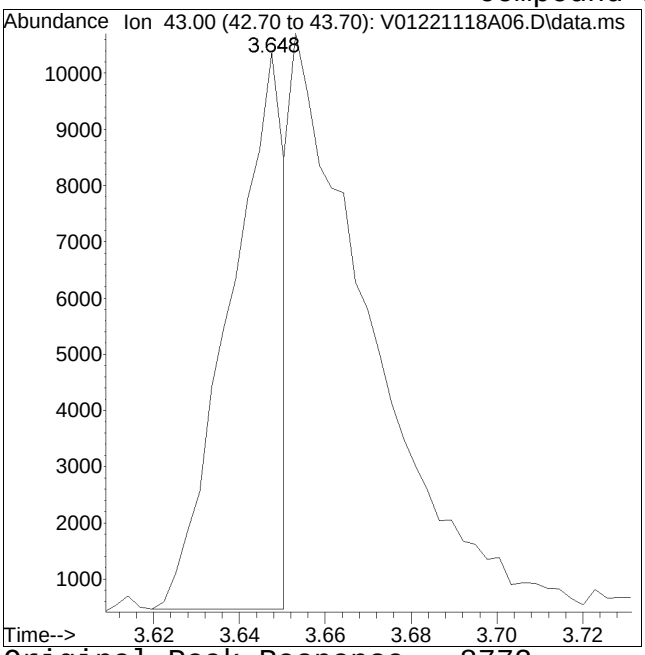
Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
145	31.7	25.0	37.6

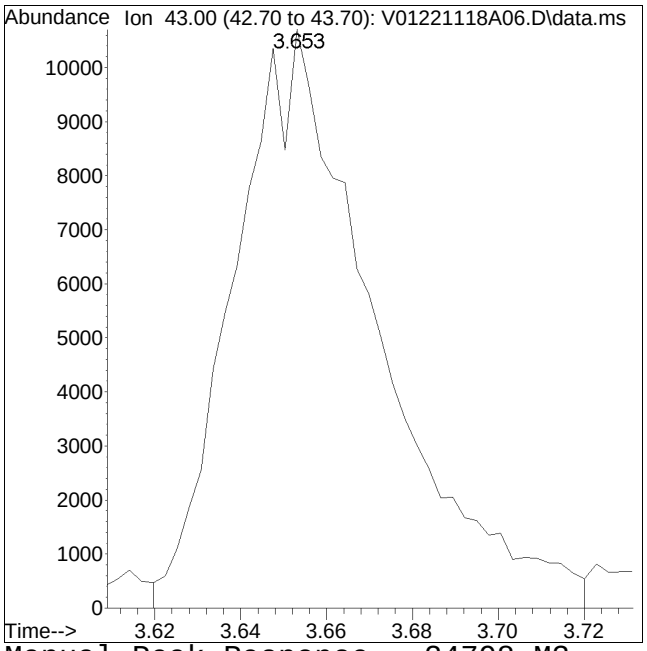


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A06.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 10:07 am Instrument : VOA 101
Sample : WG1714394-4,31,10,10 Quant Date : 11/18/2022 10:31 am

Compound #17: Acetone





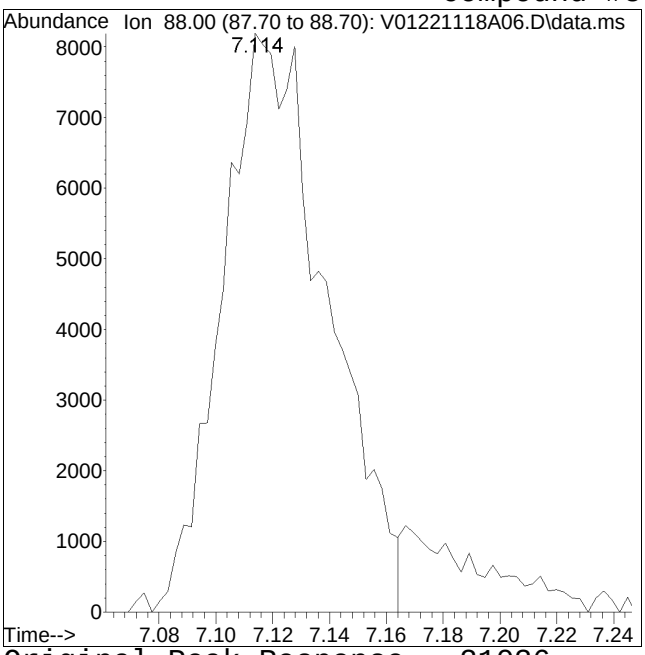
Original Peak Response = 8772 Manual Peak Response = 24798 M3

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

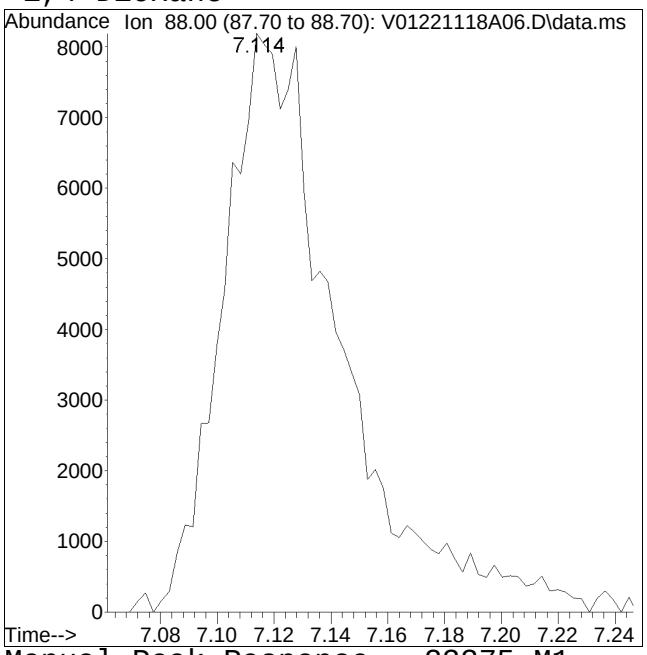
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_220915A_8260.m
Data File : V01221118A06.D Operator : VOA101:PID
Date Inj'd : 11/18/2022 10:07 am Instrument : VOA 101
Sample : WG1714394-4,31,10,10 Quant Date : 11/18/2022 10:31 am

Compound #57: 1,4-Dioxane



Original Peak Response = 21036



Manual Peak Response = 23375 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A02.D
Acq On : 20 Nov 2022 08:36 am
Operator : VOA130:NLK
Sample : WG1714939-4,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 09:33:58 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221120A\V30221120A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.476	96	165354	10.000	ug/L		0.00
Standard Area 1 = 163963			Recovery = 100.85%				
59) Chlorobenzene-d5	8.488	117	126876	10.000	ug/L		0.00
Standard Area 1 = 124673			Recovery = 101.77%				
79) 1,4-Dichlorobenzene-d4	9.977	152	71624	10.000	ug/L		0.00
Standard Area 1 = 71075			Recovery = 100.77%				
System Monitoring Compounds							
36) Dibromofluoromethane	4.486	113	49288	9.533	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.33%				
43) 1,2-Dichloroethane-d4	5.127	65	47416	9.069	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.69%				
60) Toluene-d8	7.182	98	160211	10.128	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.28%				
83) 4-Bromofluorobenzene	9.307	95	60319	10.587	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.87%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.939	85	29472	8.792	ug/L		99
3) Chloromethane	1.053	50	51765	12.983	ug/L		99
4) Vinyl chloride	1.109	62	47705	10.970	ug/L		99
5) Bromomethane	1.309	94	17230	6.474	ug/L		99
6) Chloroethane	1.393	64	30497	8.915	ug/L		99
7) Trichlorofluoromethane	1.491	101	59056	8.113	ug/L		98
10) 1,1-Dichloroethene	1.853	96	34276	8.083	ug/L		80
11) Carbon disulfide	1.856	76	64161	6.116	ug/L		99
12) Freon-113	1.898	101	36341	8.089	ug/L		98
15) Methylene chloride	2.336	84	41118	11.074	ug/L		90
17) Acetone	2.391	43	5524	8.787	ug/L	#	72
18) trans-1,2-Dichloroethene	2.481	96	38624	10.841	ug/L		90
19) Methyl acetate	2.525	43	16978	10.951	ug/L	#	93
20) Methyl tert-butyl ether	2.615	73	47590	8.366	ug/L	#	88
23) 1,1-Dichloroethane	3.114	63	81719	12.045	ug/L		99
28) cis-1,2-Dichloroethene	3.800	96	45410	11.399	ug/L	#	76
30) Bromochloromethane	4.076	128	19965	10.302	ug/L	#	76
31) Cyclohexane	4.045	56	79232	11.420	ug/L		90
32) Chloroform	4.240	83	73795	11.086	ug/L	#	96
34) Carbon tetrachloride	4.357	117	54838	10.482	ug/L		98

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A02.D
Acq On : 20 Nov 2022 08:36 am
Operator : VOA130:NLK
Sample : WG1714939-4,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 09:33:58 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221120A\V30221120A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.455	97	57361	10.490	ug/L	#	95
39) 2-Butanone	4.678	43	8292	10.281	ug/L	#	90
41) Benzene	4.943	78	151033	11.493	ug/L		96
44) 1,2-Dichloroethane	5.205	62	49193	9.996	ug/L		98
47) Methyl cyclohexane	5.632	83	56728	9.118	ug/L		94
48) Trichloroethene	5.668	95	40053	11.325	ug/L		96
51) 1,2-Dichloropropane	6.229	63	43037	11.837	ug/L	#	92
54) Bromodichloromethane	6.340	83	51357	10.005	ug/L		99
57) 1,4-Dioxane	6.566	88	5609	371.920	ug/L	#	89
58) cis-1,3-Dichloropropene	7.007	75	47867	9.570	ug/L		93
61) Toluene	7.233	92	94667	11.240	ug/L		96
62) 4-Methyl-2-pentanone	7.643	58	6130	9.261	ug/L		92
63) Tetrachloroethene	7.590	166	39414	10.778	ug/L		90
65) trans-1,3-Dichloropropene	7.659	75	35686	8.450	ug/L		96
68) 1,1,2-Trichloroethane	7.790	83	20017	9.556	ug/L		96
69) Chlorodibromomethane	7.924	129	32323	9.229	ug/L		95
71) 1,2-Dibromoethane	8.083	107	22551	9.194	ug/L		100
72) 2-Hexanone	8.329	43	10268	9.878	ug/L	#	95
73) Chlorobenzene	8.499	112	106266	10.996	ug/L		89
74) Ethylbenzene	8.540	91	179694	11.219	ug/L		99
76) p/m Xylene	8.646	106	145668	22.631	ug/L		95
77) o Xylene	8.931	106	135803	21.876	ug/L		91
78) Styrene	8.967	104	228734	21.995	ug/L		86
80) Bromoform	8.970	173	17105	7.924	ug/L		94
82) Isopropylbenzene	9.143	105	186247	11.024	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.452	83	25977	8.794	ug/L		99
100) 1,3-Dichlorobenzene	9.932	146	96137	11.002	ug/L		97
101) 1,4-Dichlorobenzene	9.985	146	92996	10.756	ug/L		98
104) 1,2-Dichlorobenzene	10.225	146	84383	10.643	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.679	155	3888	8.695	ug/L		92
109) 1,2,4-Trichlorobenzene	11.056	180	52966	9.388	ug/L		97
111) 1,2,3-Trichlorobenzene	11.338	180	47397	9.191	ug/L		98

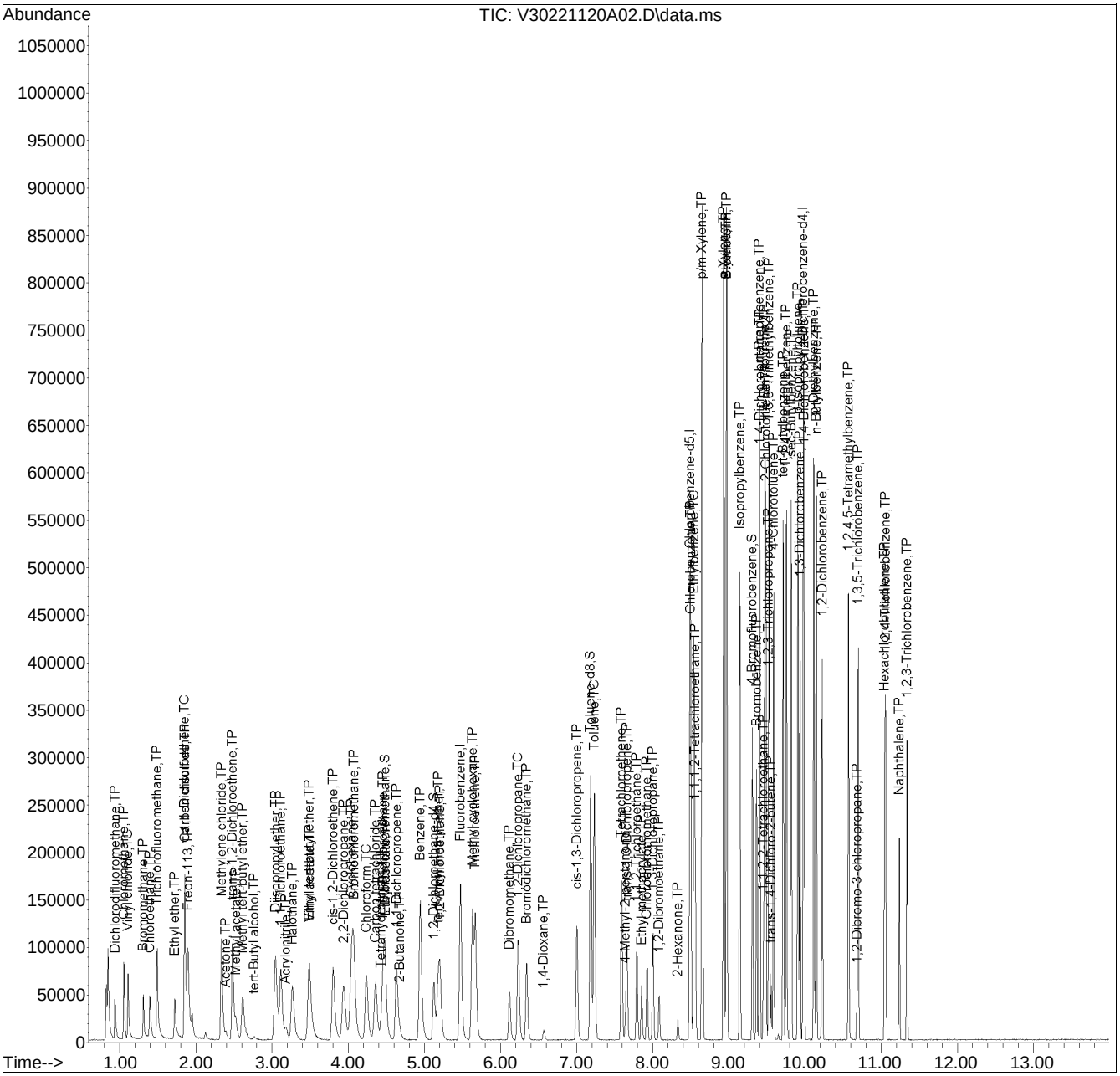
(#) = qualifier out of range (m) = manual integration (+) = signals summed

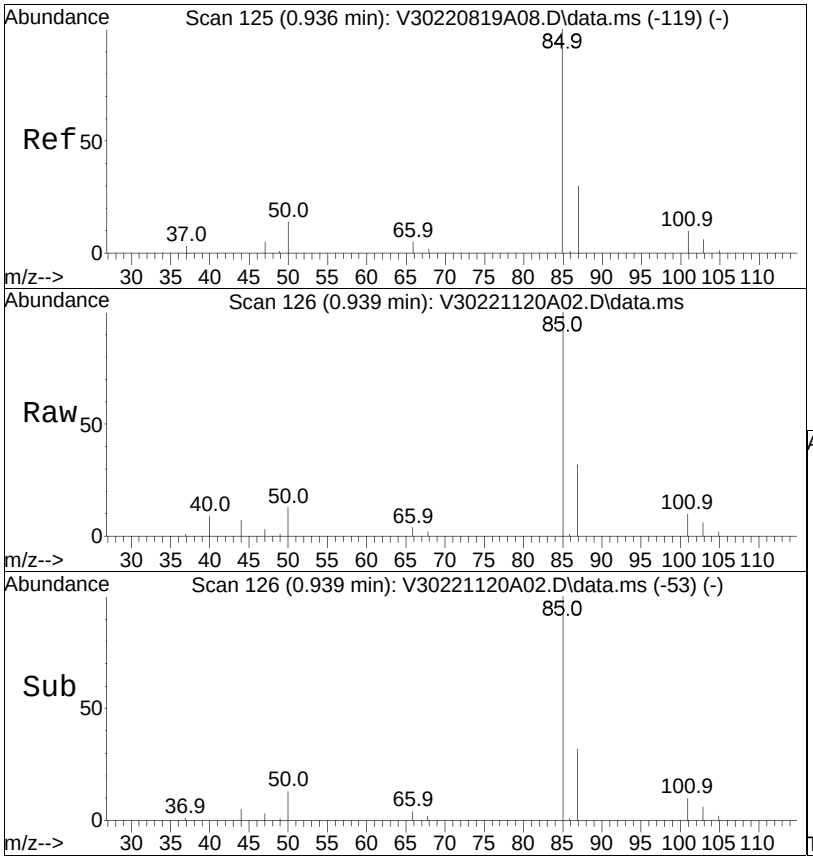
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221120A\
Data File : V30221120A02.D
Acq On : 20 Nov 2022 08:36 am
Operator : VOA130:NLK
Sample : WG1714939-4,31,10,10
Misc : WG1714939,ICAL19400
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 09:33:58 2022
Quant Method : I:\VOLATILES\VOA130\2022\221120A\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve1.D•

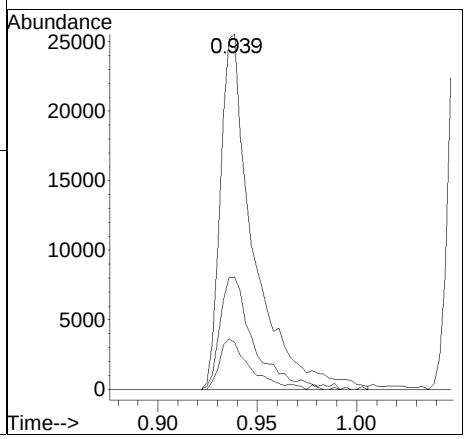


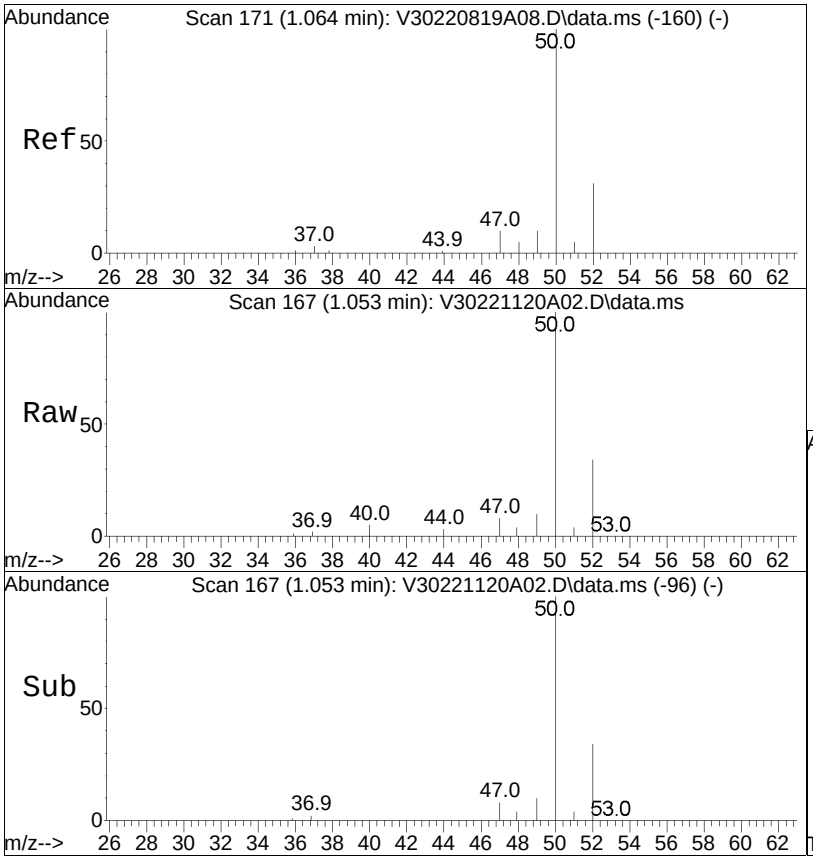


#2
Dichlorodifluoromethane
Concen: 8.79 ug/L
RT: 0.939 min Scan# 126
Delta R.T. 0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 85 Resp: 29472

Ion	Ratio	Lower	Upper
85	100		
87	32.2	21.0	43.6
50	13.2	8.9	18.5

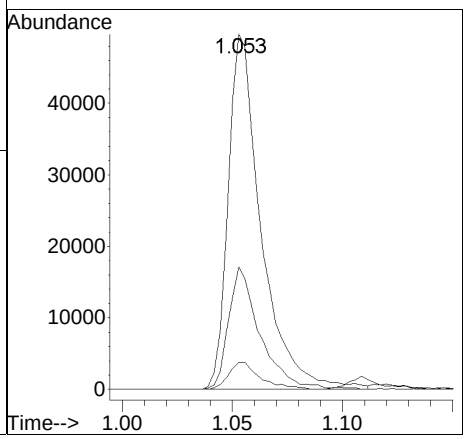


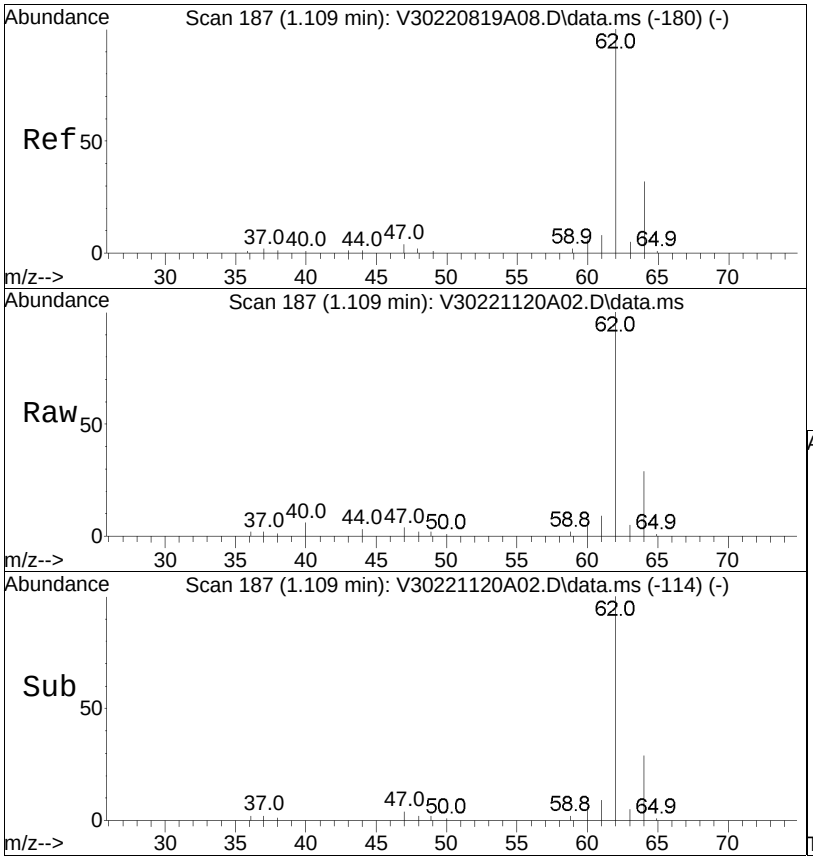


#3
Chloromethane
Concen: 12.98 ug/L
RT: 1.053 min Scan# 167
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 50 Resp: 51765

Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.9	52.9
47	7.4	0.0	28.3

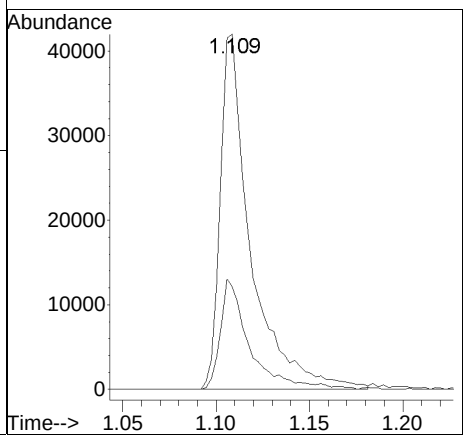


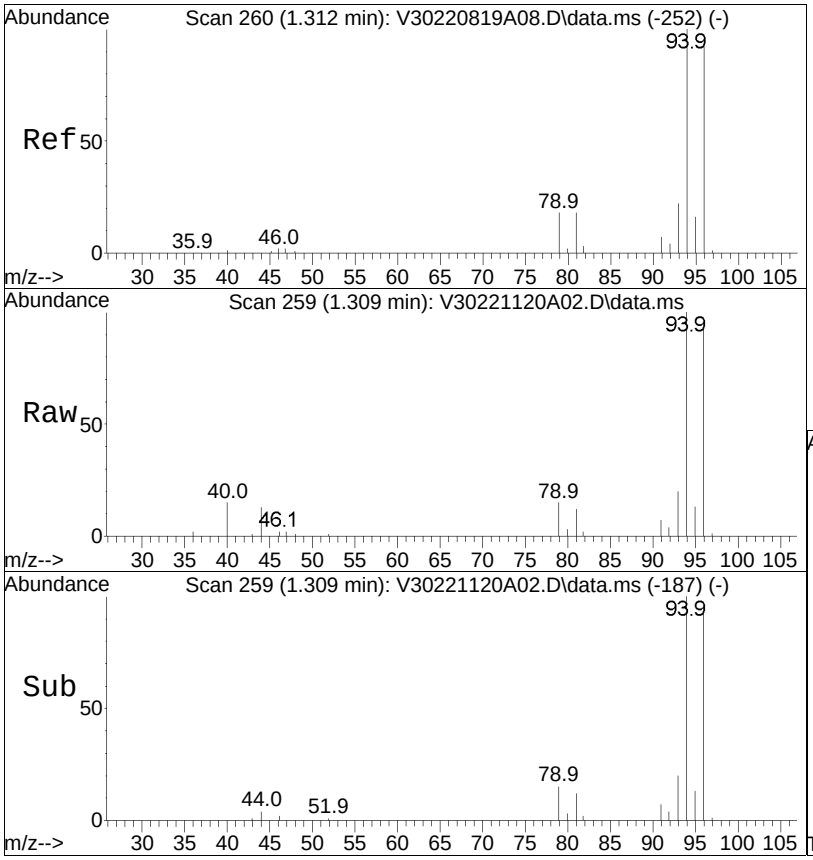


#4
Vinyl chloride
Concen: 10.97 ug/L
RT: 1.109 min Scan# 187
Delta R.T. 0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 62 Resp: 47705

Ion	Ratio	Lower	Upper
62	100		
64	29.8	9.1	49.1

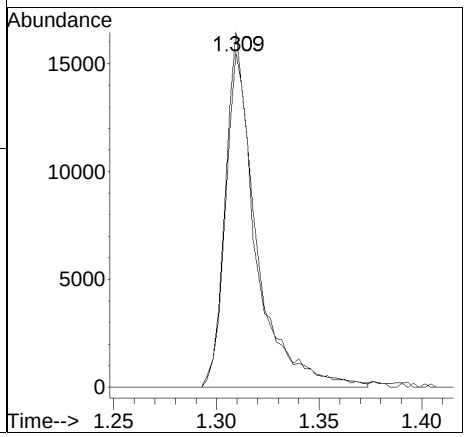


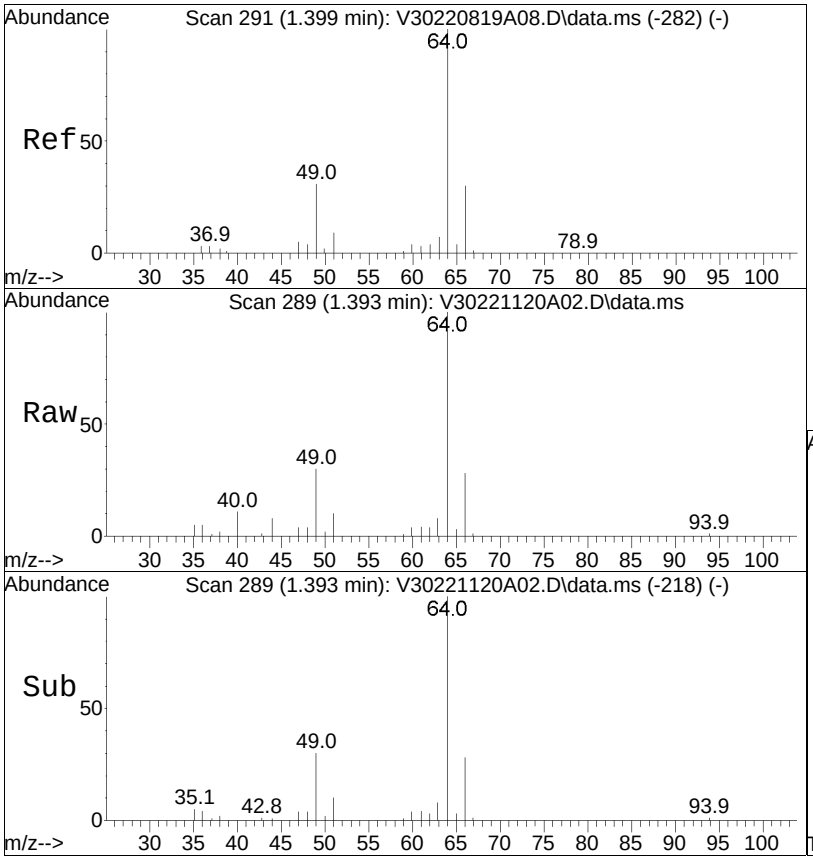


#5
Bromomethane
Concen: 6.47 ug/L
RT: 1.309 min Scan# 259
Delta R.T. 0.000 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 94 Resp: 17230

Ion	Ratio	Lower	Upper
94	100		
96	94.8	75.6	115.6

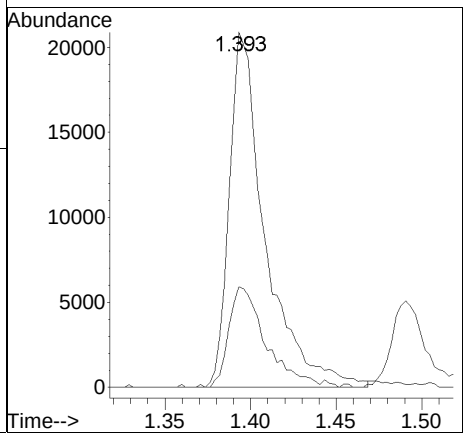


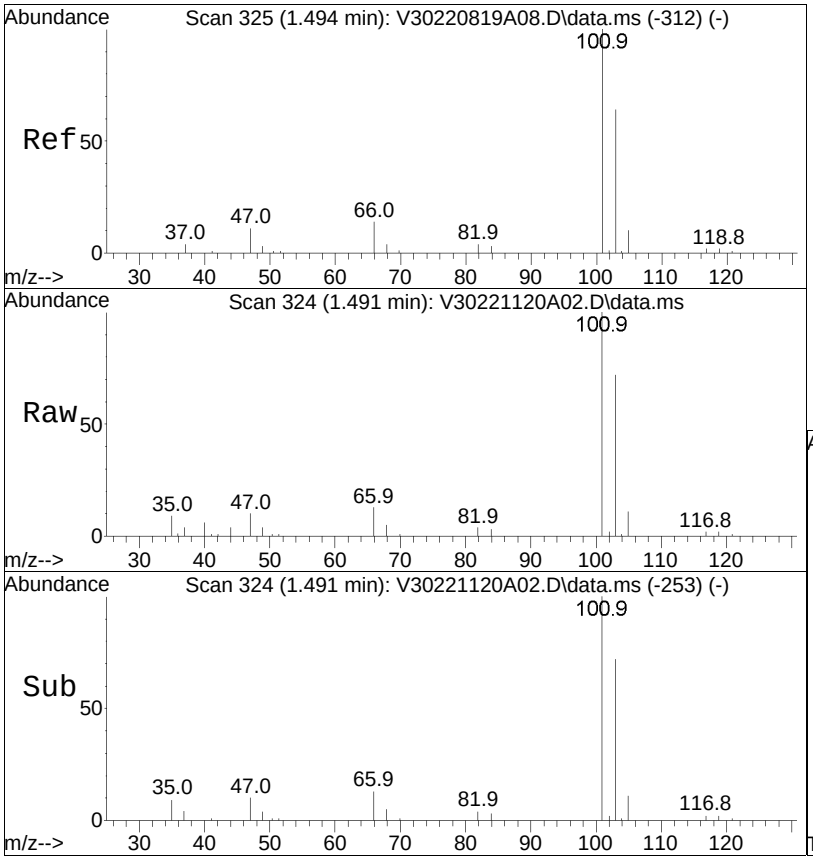


#6
Chloroethane
Concen: 8.92 ug/L
RT: 1.393 min Scan# 289
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 64 Resp: 30497

Ion	Ratio	Lower	Upper
64	100		
66	29.1	9.8	49.8

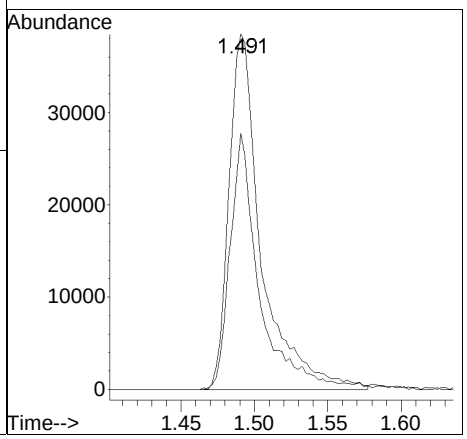


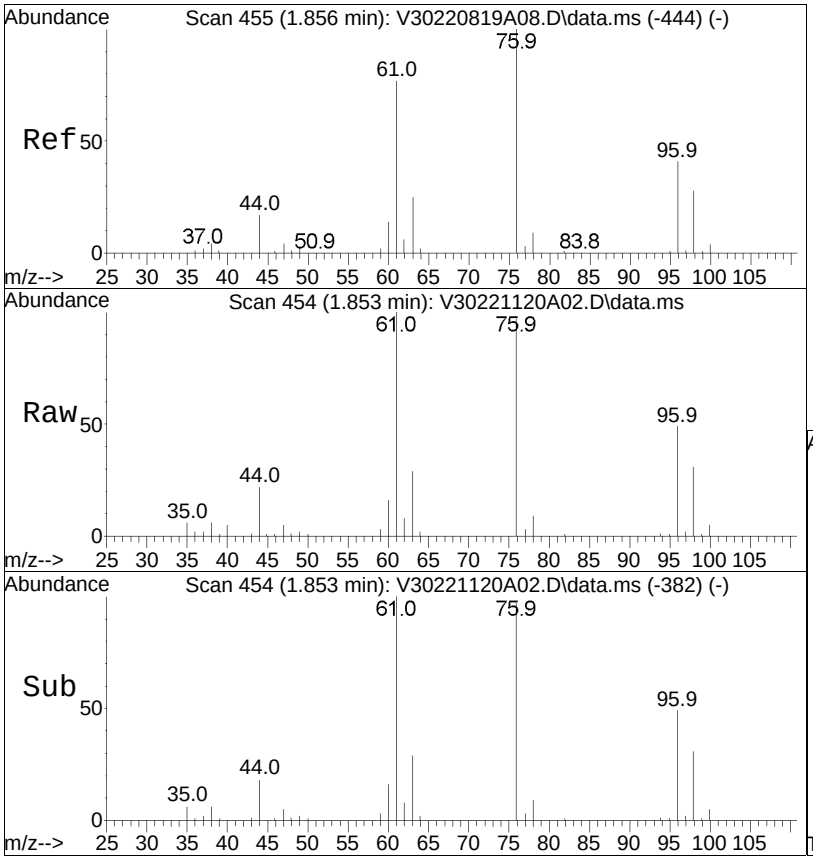


#7
Trichlorofluoromethane
Concen: 8.11 ug/L
RT: 1.491 min Scan# 324
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:101 Resp: 59056

Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.8	80.6

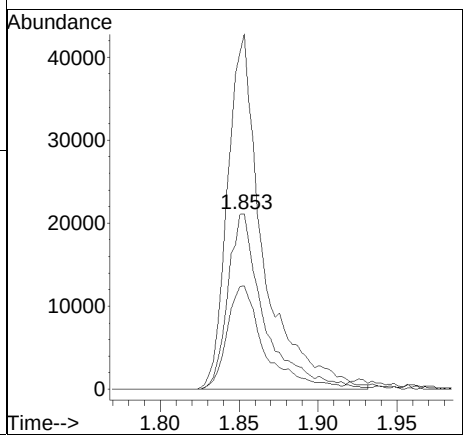


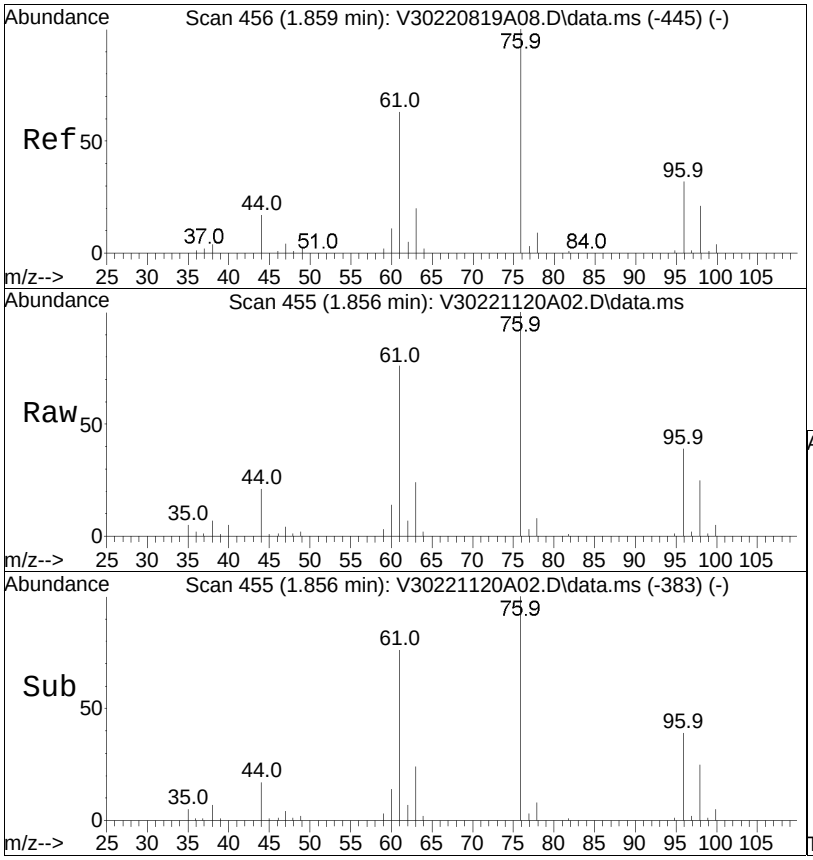


#10
1,1-Dichloroethene
Concen: 8.08 ug/L
RT: 1.853 min Scan# 454
Delta R.T. 0.000 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 96 Resp: 34276

Ion	Ratio	Lower	Upper
96	100		
61	195.0	186.1	279.1
63	61.3	57.6	86.4

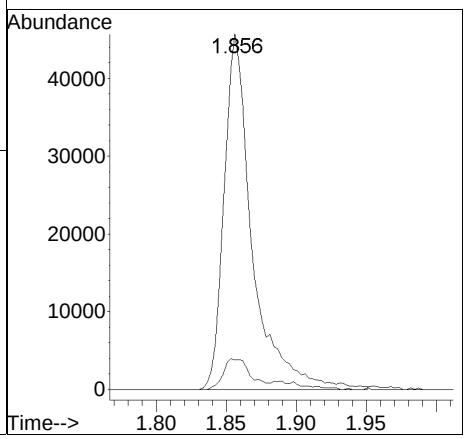


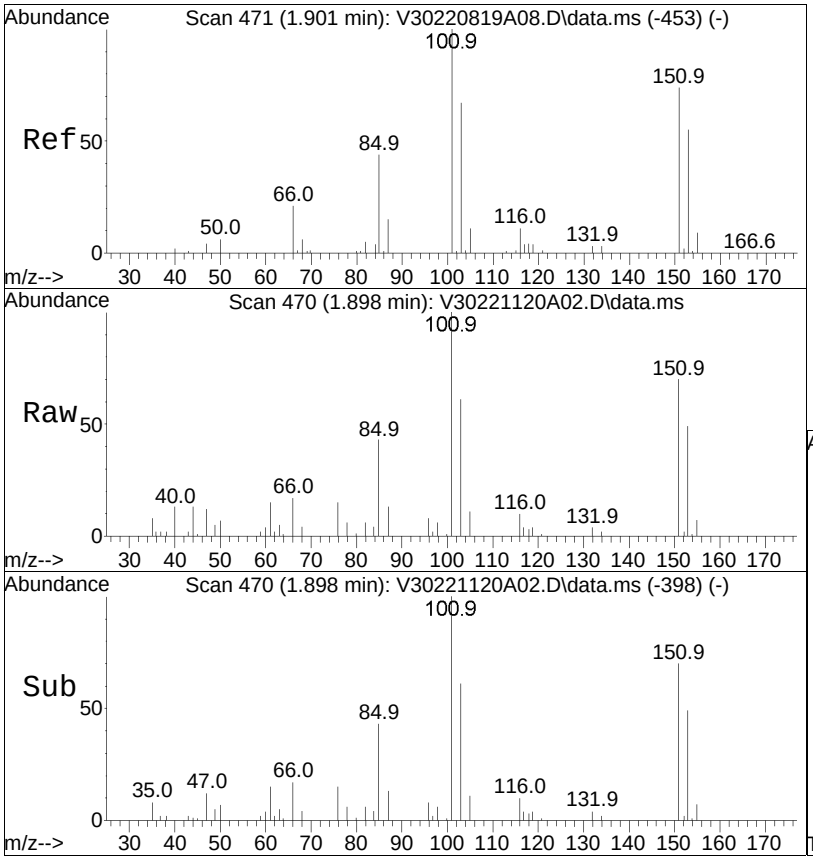


#11
Carbon disulfide
Concen: 6.12 ug/L
RT: 1.856 min Scan# 455
Delta R.T. 0.000 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 76 Resp: 64161

Ion	Ratio	Lower	Upper
76	100		
78	8.4	5.7	11.7

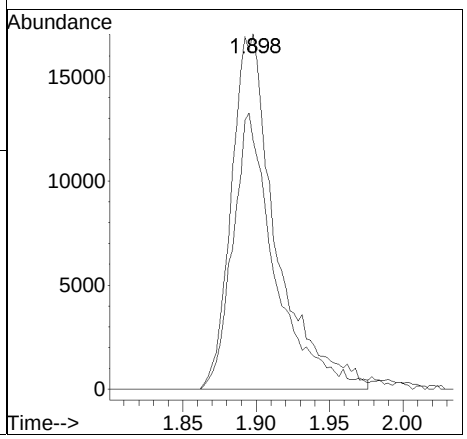


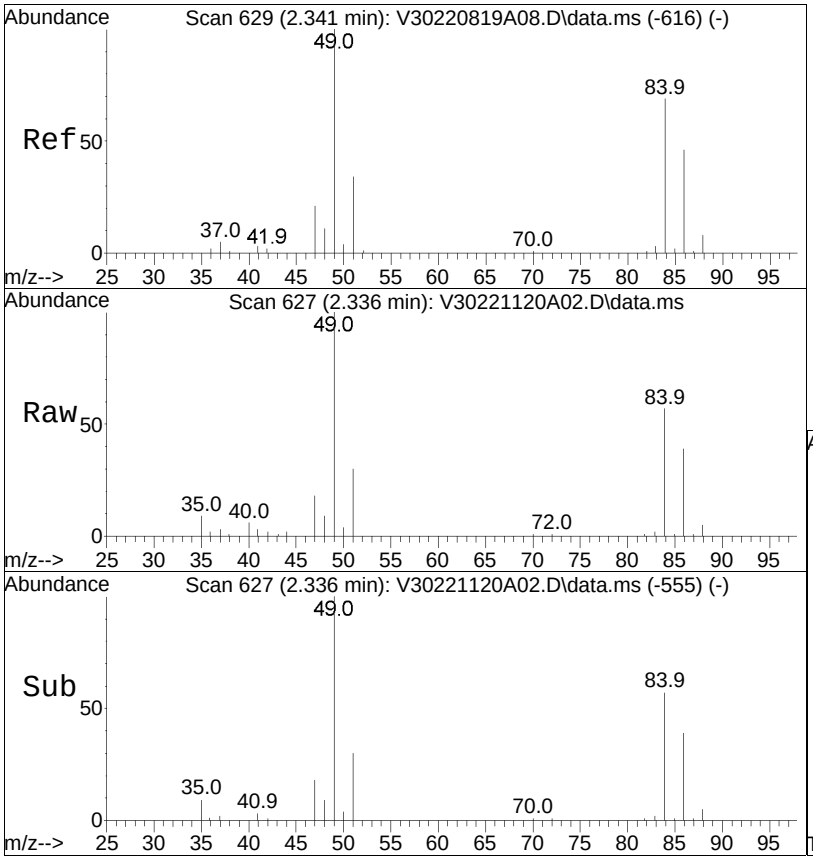


#12
Freon-113
Concen: 8.09 ug/L
RT: 1.898 min Scan# 470
Delta R.T. -0.000 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:101 Resp: 36341

Ion	Ratio	Lower	Upper
101	100		
151	73.0	59.8	89.8

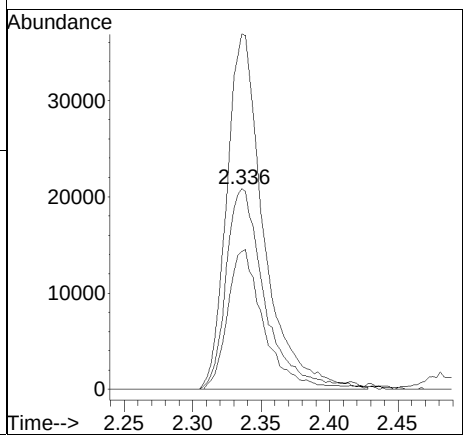


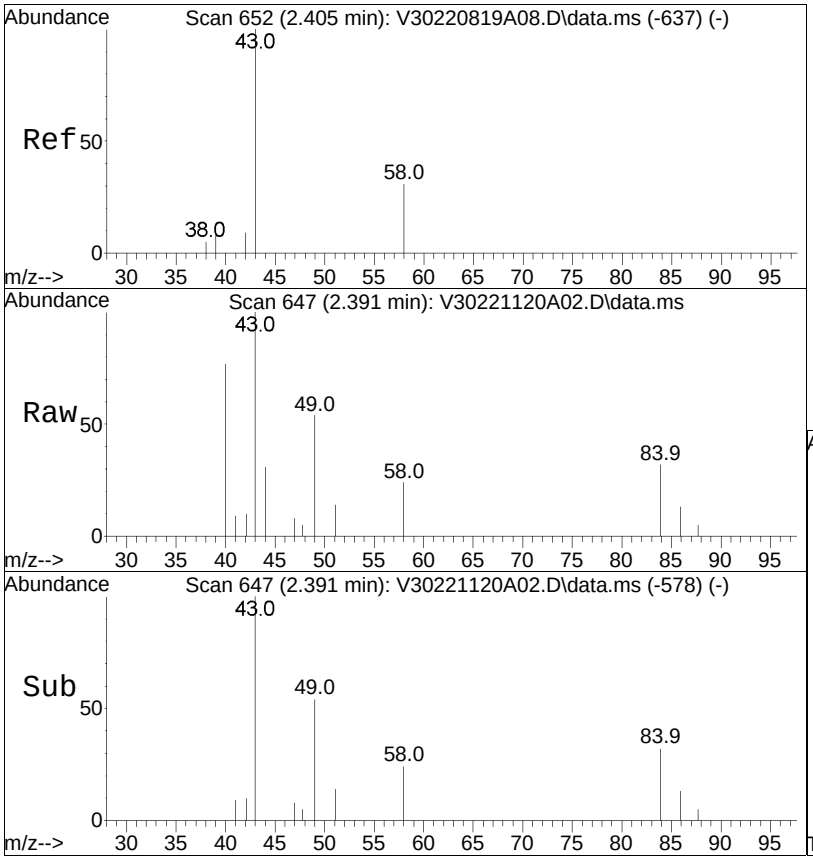


#15
Methylene chloride
Concen: 11.07 ug/L
RT: 2.336 min Scan# 627
Delta R.T. -0.000 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 84 Resp: 41118

Ion	Ratio	Lower	Upper
84	100		
86	65.2	40.4	83.8
49	168.0	120.0	249.2

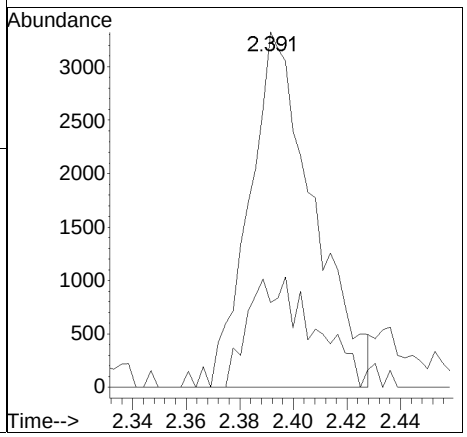


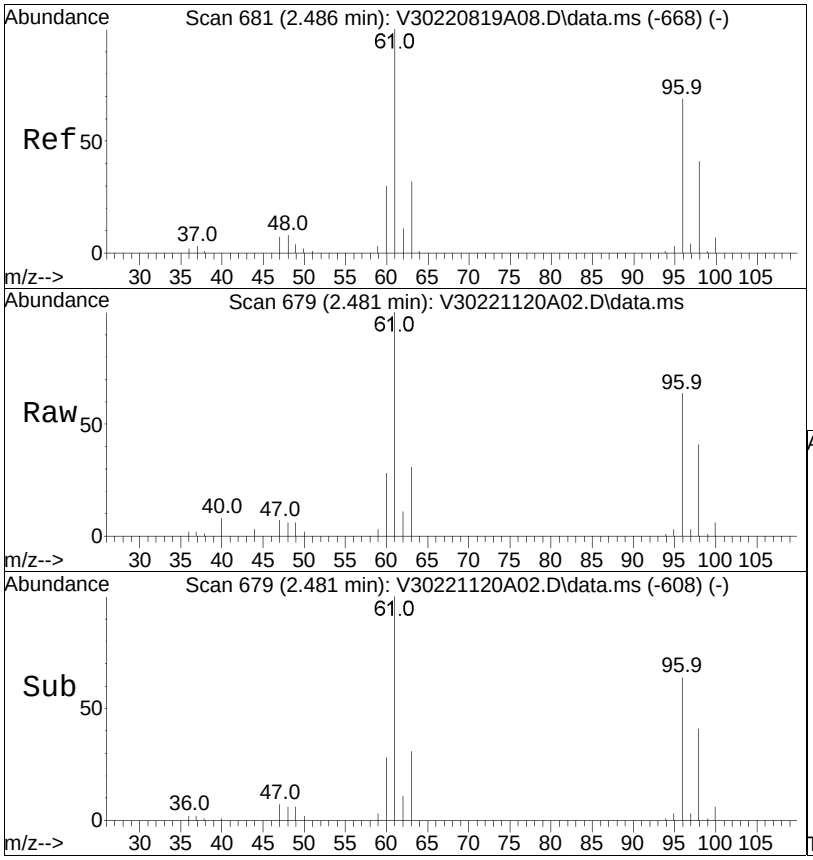


#17
Acetone
Concen: 8.79 ug/L
RT: 2.391 min Scan# 647
Delta R.T. -0.009 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 43 Resp: 5524

Ion	Ratio	Lower	Upper
43	100		
58	14.8	24.2	36.4#

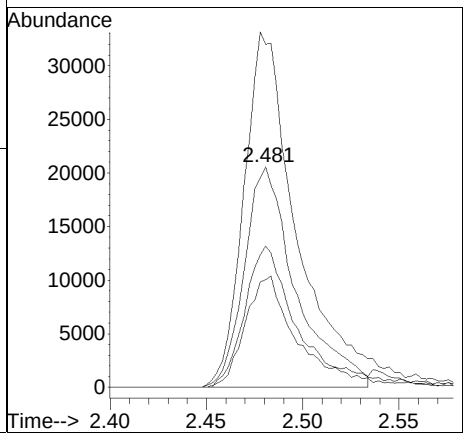


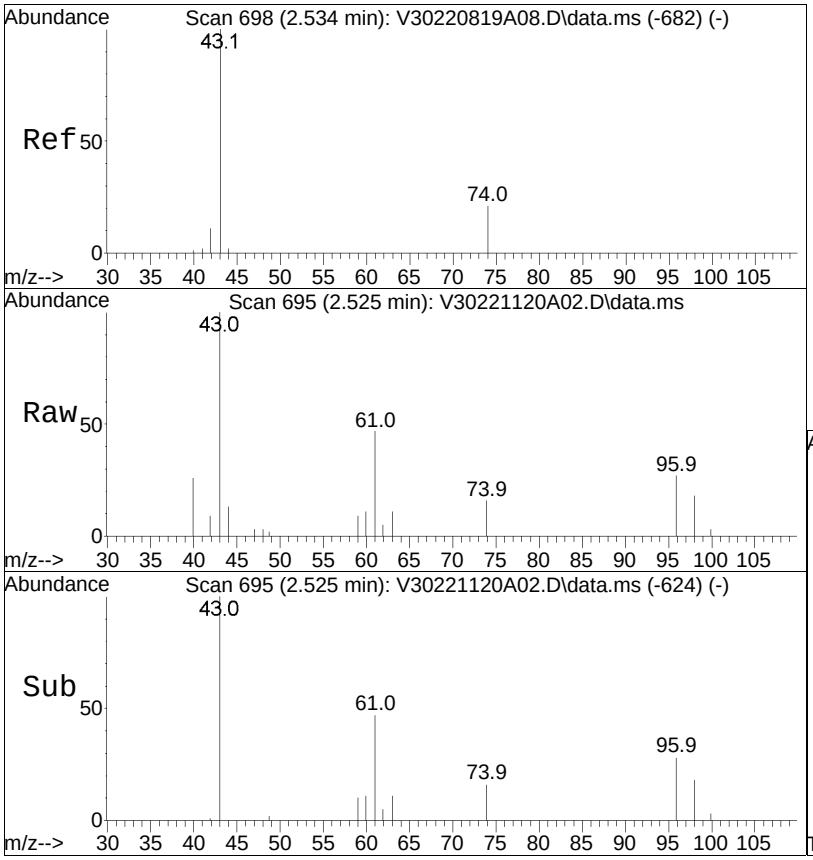


#18
trans-1,2-Dichloroethene
Concen: 10.84 ug/L
RT: 2.481 min Scan# 679
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 96 Resp: 38624

Ion	Ratio	Lower	Upper
96	100		
61	171.9	124.0	257.6
98	65.4	41.2	85.6
63	51.2	38.4	79.7

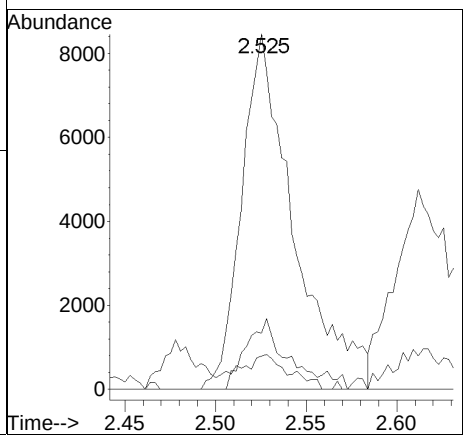


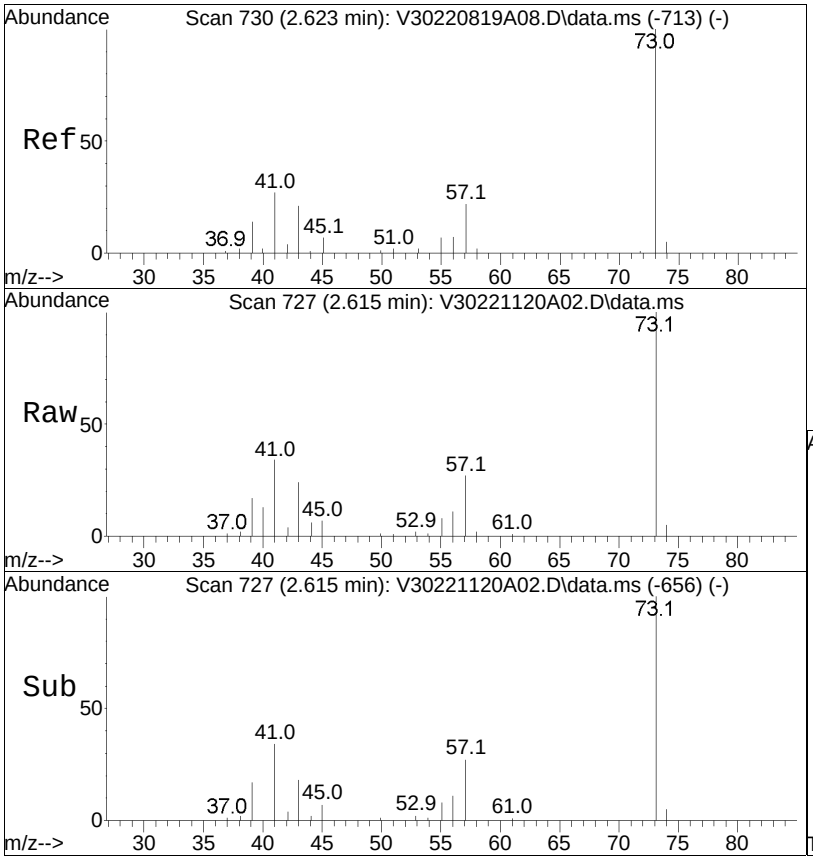


#19
Methyl acetate
Concen: 10.95 ug/L
RT: 2.525 min Scan# 695
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 43 Resp: 16978

Ion	Ratio	Lower	Upper
43	100		
74	14.9	14.2	21.4
59	9.5	5.0	7.6#

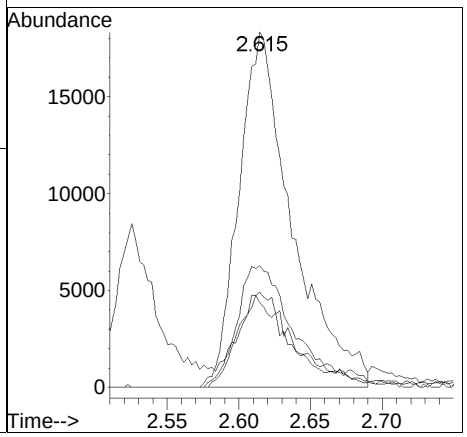


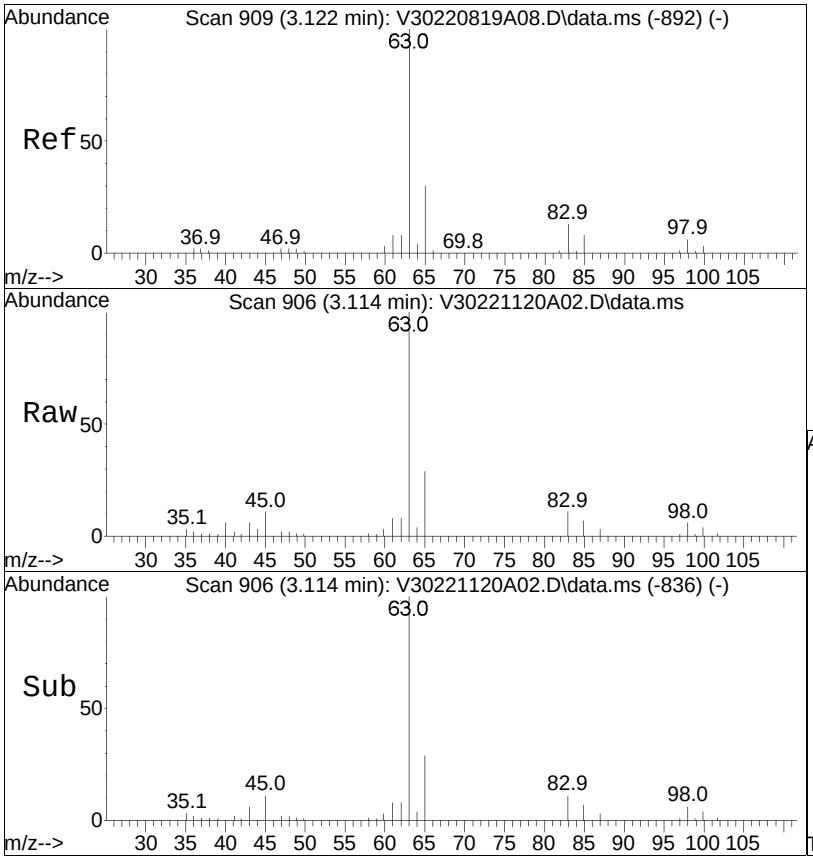


#20
Methyl tert-butyl ether
Concen: 8.37 ug/L
RT: 2.615 min Scan# 727
Delta R.T. -0.002 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 73 Resp: 47590

Ion	Ratio	Lower	Upper
73	100		
57	27.2	17.5	36.3
43	18.3	15.3	31.9
41	35.6	15.3	31.7#

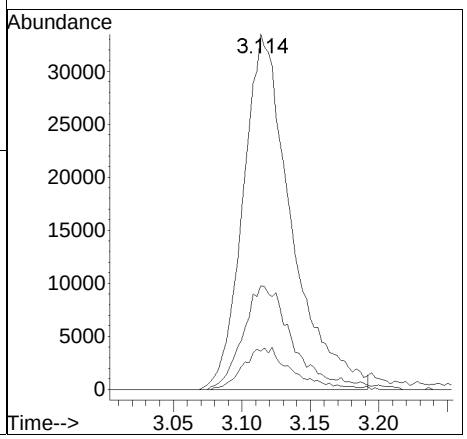


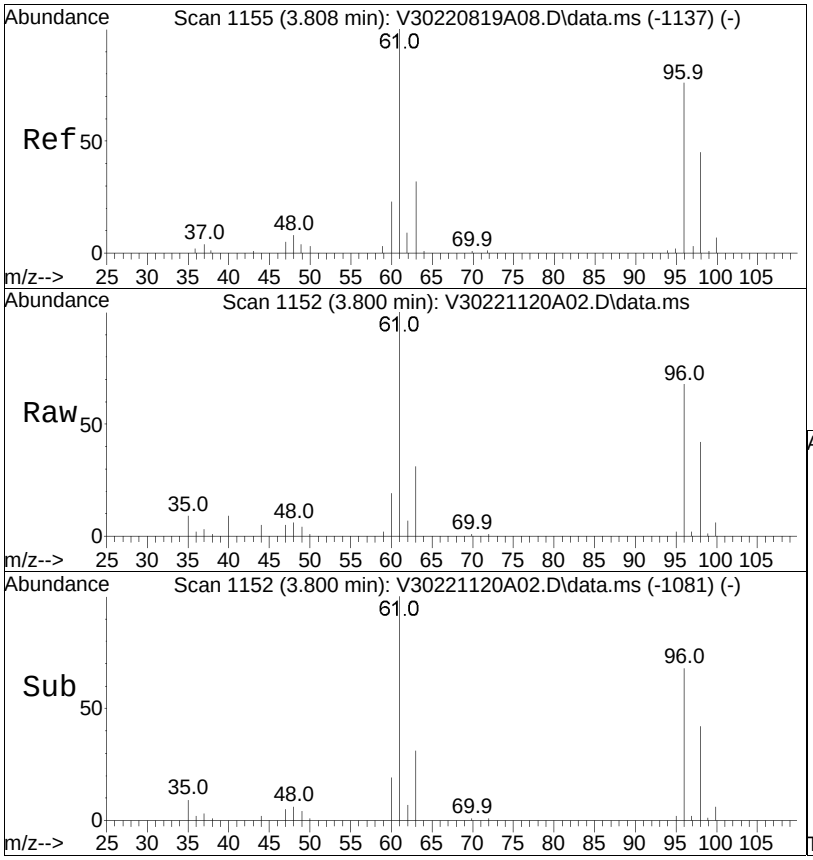


#23
1,1-Dichloroethane
Concen: 12.04 ug/L
RT: 3.114 min Scan# 906
Delta R.T. -0.005 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 63 Resp: 81719

Ion	Ratio	Lower	Upper
63	100		
65	30.3	11.0	51.0
83	11.8	0.0	31.8

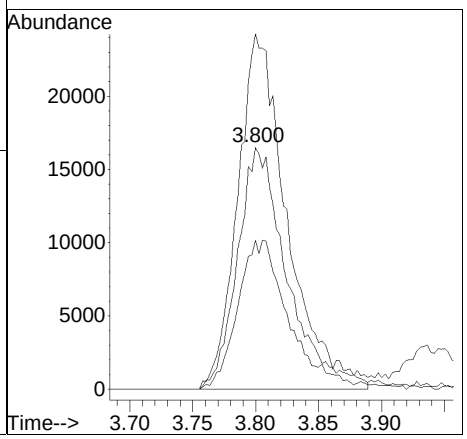


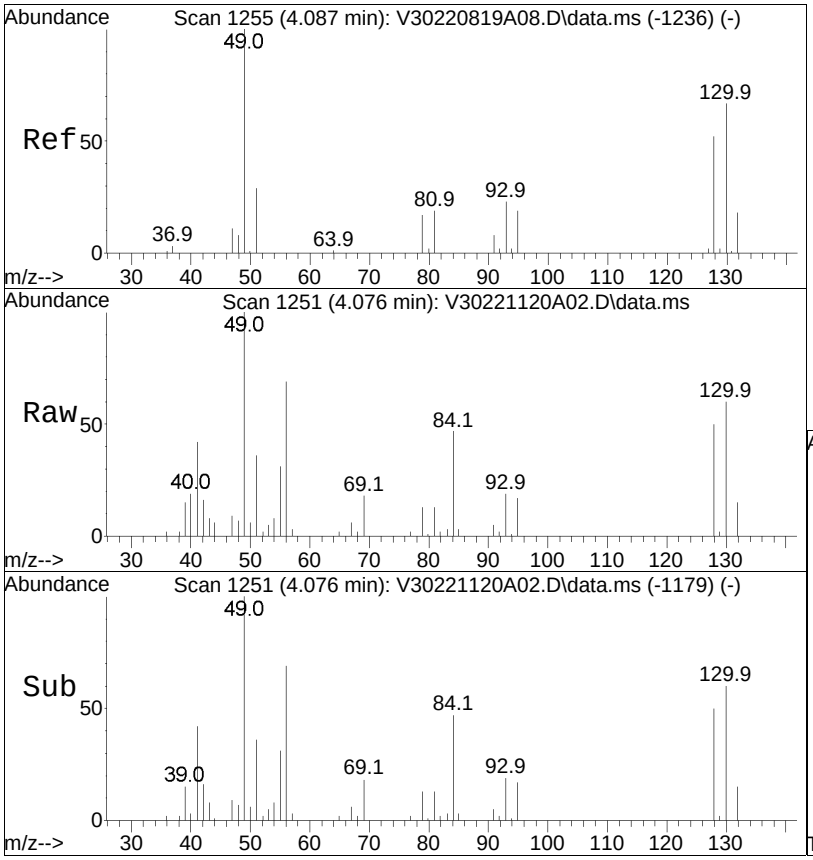


#28
cis-1,2-Dichloroethene
Concen: 11.40 ug/L
RT: 3.800 min Scan# 1152
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 96 Resp: 45410

Ion	Ratio	Lower	Upper
96	100		
61	141.7	149.4	224.2#
98	62.9	53.4	80.2

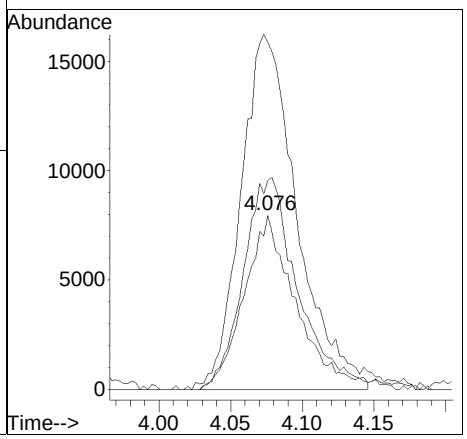


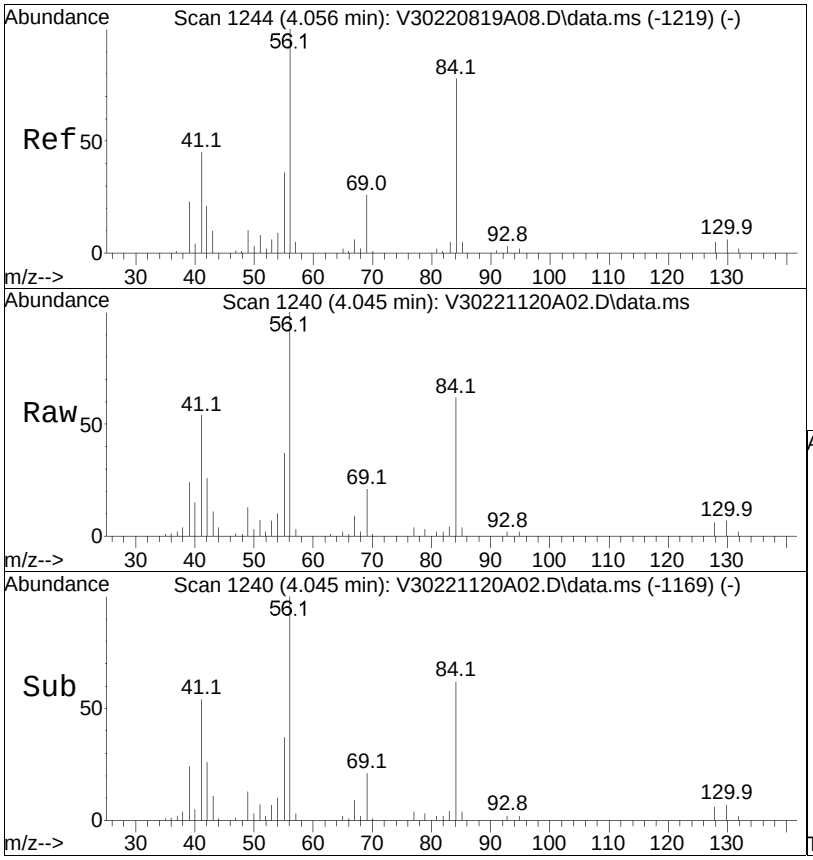


#30
Bromochloromethane
Concen: 10.30 ug/L
RT: 4.076 min Scan# 1251
Delta R.T. -0.000 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:128 Resp: 19965

Ion	Ratio	Lower	Upper
128	100		
49	220.7	223.0	334.4#
130	128.4	111.4	167.0

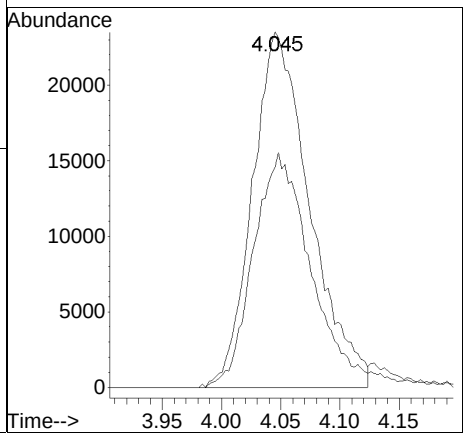


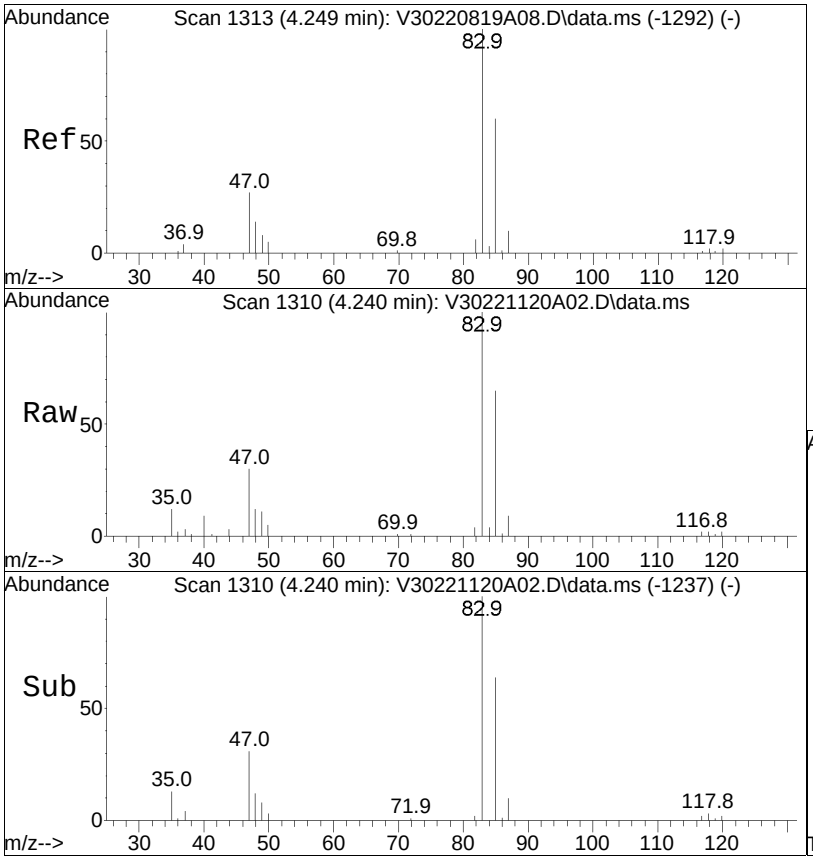


#31
Cyclohexane
Concen: 11.42 ug/L
RT: 4.045 min Scan# 1240
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 56 Resp: 79232

Ion	Ratio	Lower	Upper
56	100		
84	66.9	38.4	79.8

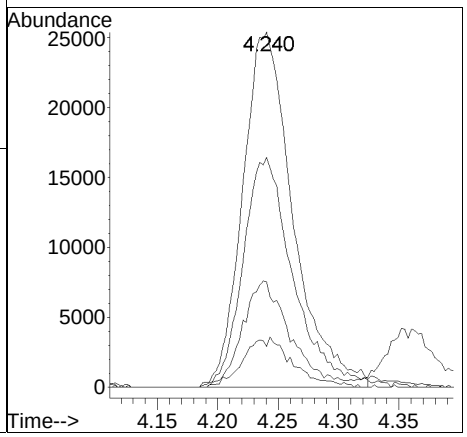


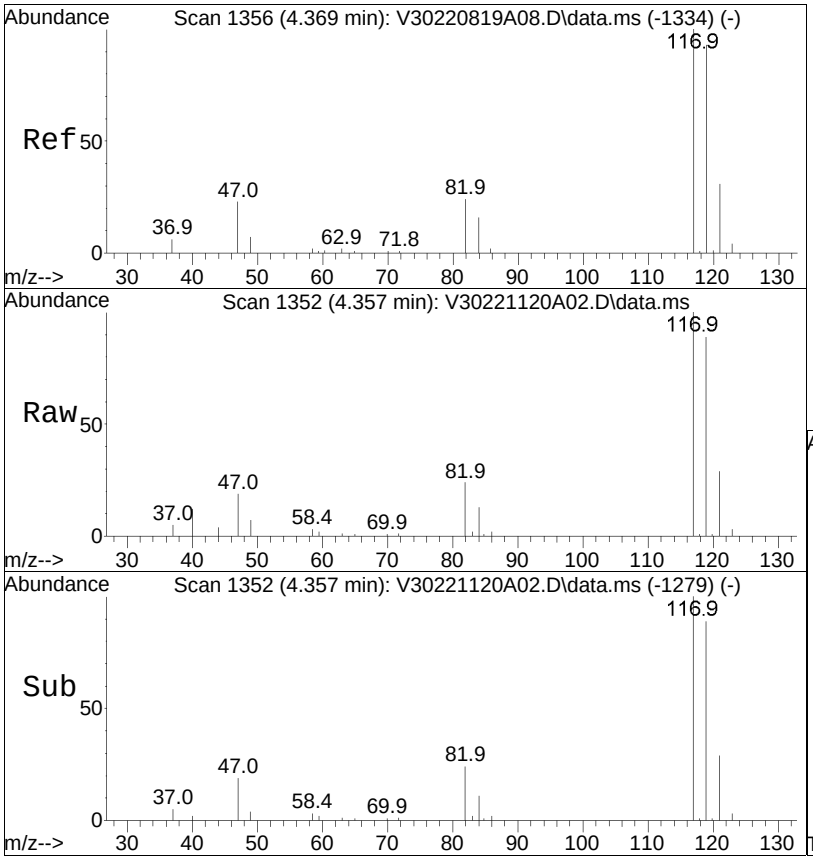


#32
Chloroform
Concen: 11.09 ug/L
RT: 4.240 min Scan# 1310
Delta R.T. 0.002 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 83 Resp: 73795

Ion	Ratio	Lower	Upper
83	100		
85	64.4	41.5	86.1
47	28.6	19.0	39.4
48	6.8	9.9	20.5#

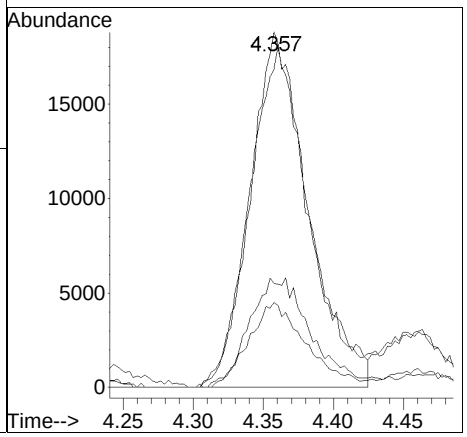


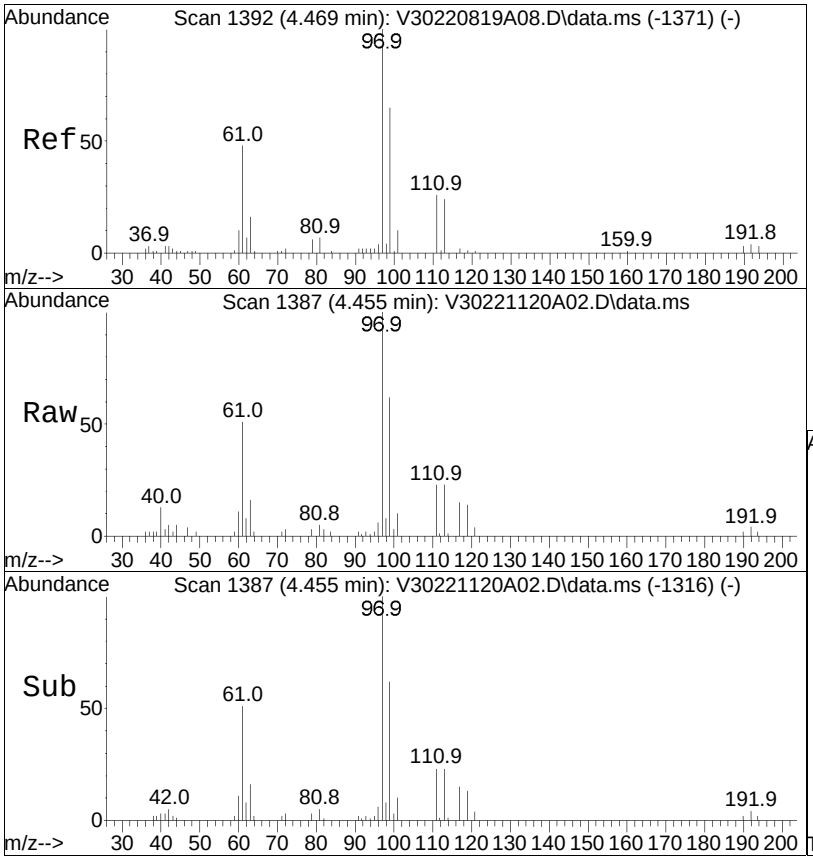


#34
Carbon tetrachloride
Concen: 10.48 ug/L
RT: 4.357 min Scan# 1352
Delta R.T. 0.002 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:117 Resp: 54838

Ion	Ratio	Lower	Upper
117	100		
119	94.9	62.4	129.6
121	31.9	19.5	40.5
82	23.5	17.0	35.4

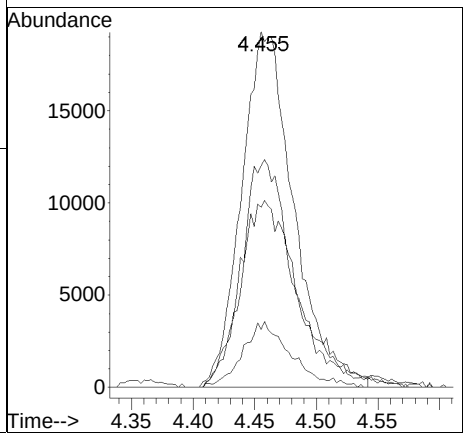


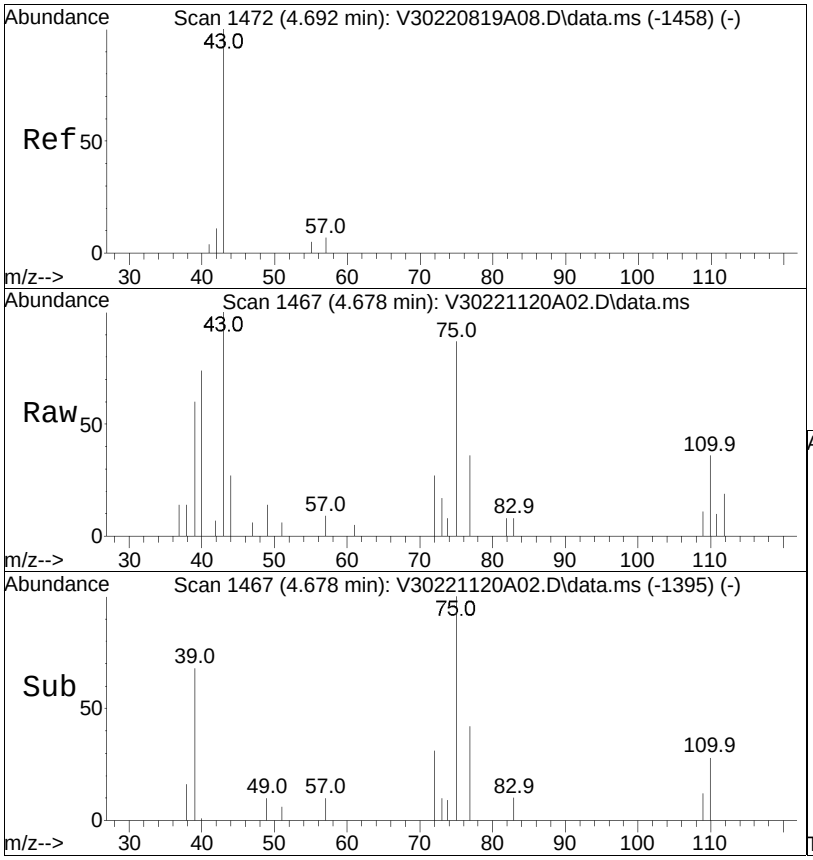


#37
1,1,1-Trichloroethane
Concen: 10.49 ug/L
RT: 4.455 min Scan# 1387
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 97 Resp: 57361

Ion	Ratio	Lower	Upper
97	100		
99	64.1	40.7	84.5
61	57.7	35.4	73.4
63	16.4	5.0	10.4#

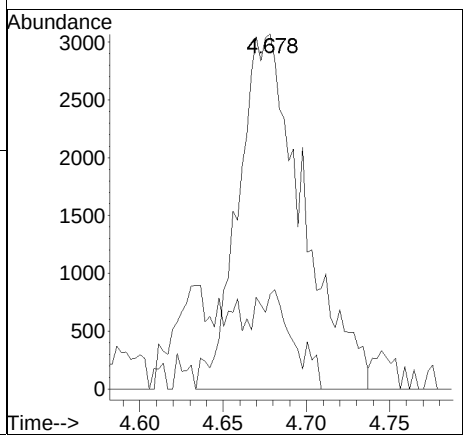


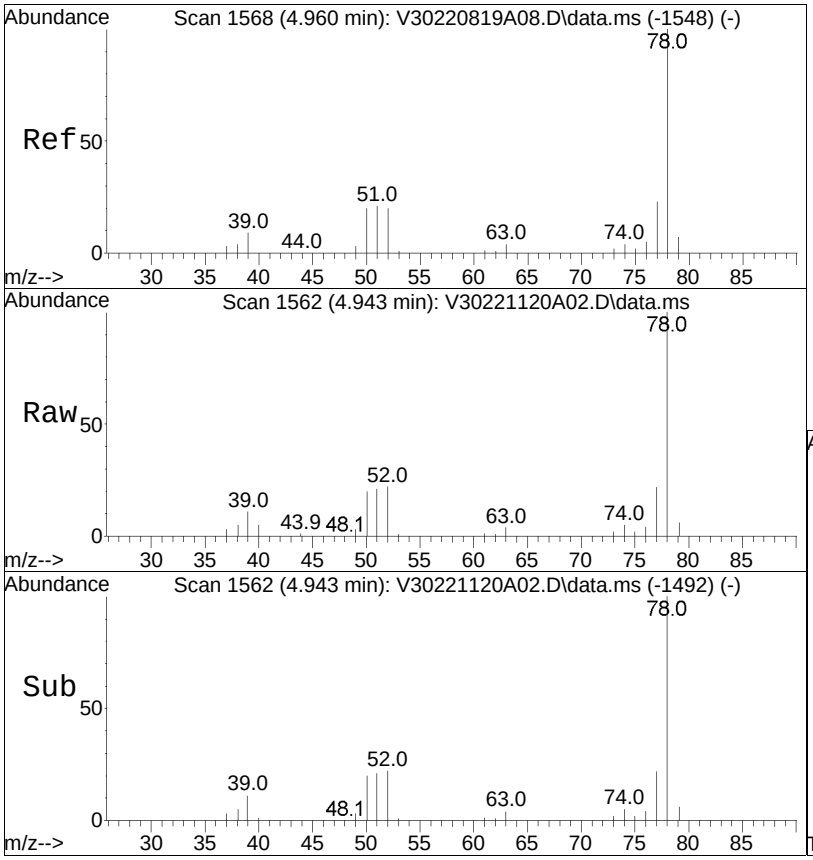


#39
2-Butanone
Concen: 10.28 ug/L
RT: 4.678 min Scan# 1467
Delta R.T. 0.000 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 43 Resp: 8292

Ion	Ratio	Lower	Upper
43	100		
72	9.6	10.9	16.3#

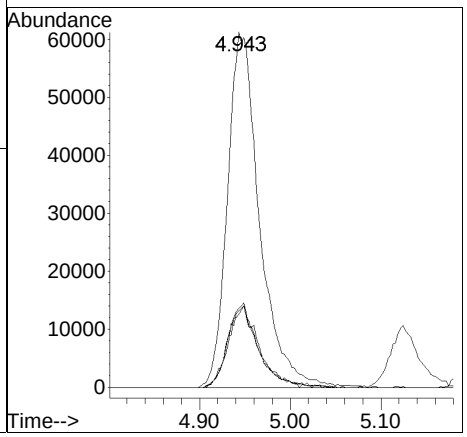


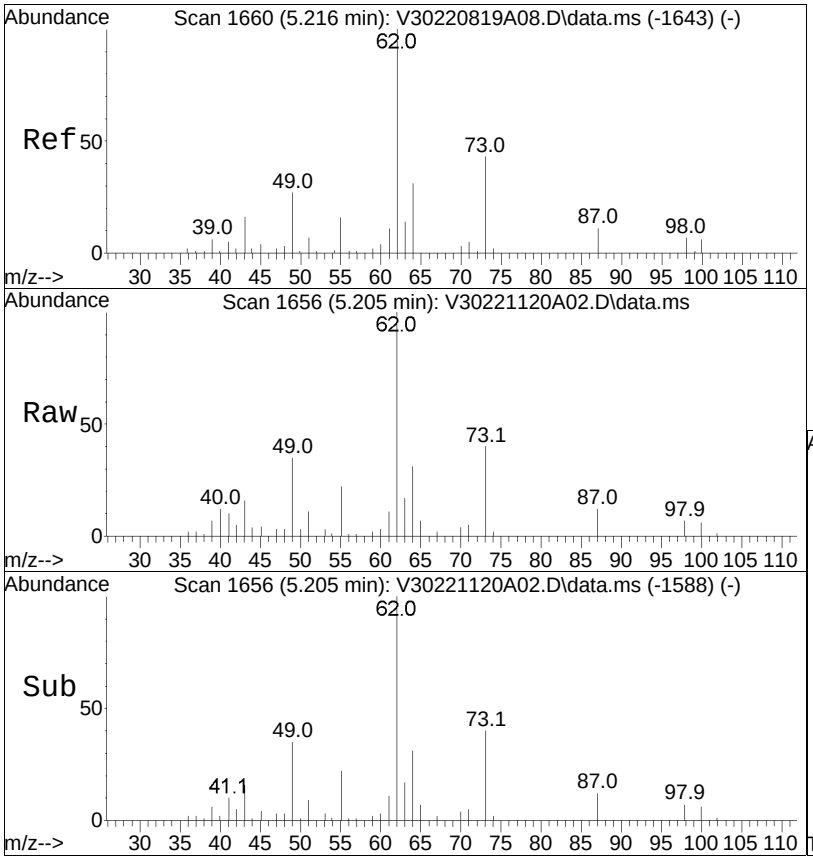


#41
Benzene
Concen: 11.49 ug/L
RT: 4.943 min Scan# 1562
Delta R.T. -0.006 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 78 Resp: 151033

Ion	Ratio	Lower	Upper
78	100		
77	22.7	15.7	32.7
51	21.5	16.0	33.2
52	21.9	15.3	31.9

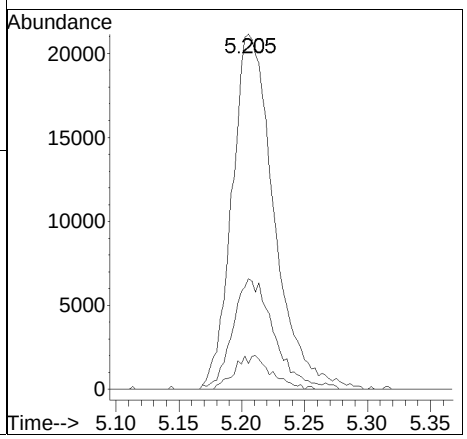


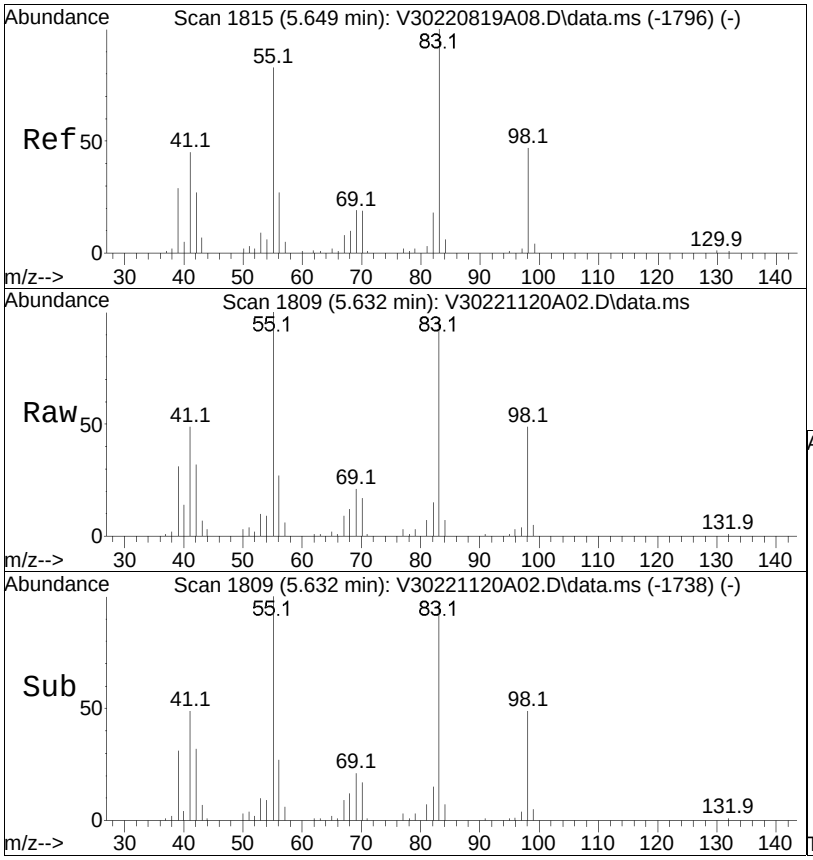


#44
1,2-Dichloroethane
Concen: 10.00 ug/L
RT: 5.205 min Scan# 1656
Delta R.T. -0.011 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 62 Resp: 49193

Ion	Ratio	Lower	Upper
62	100		
64	30.4	11.2	51.2
98	8.3	0.0	26.1

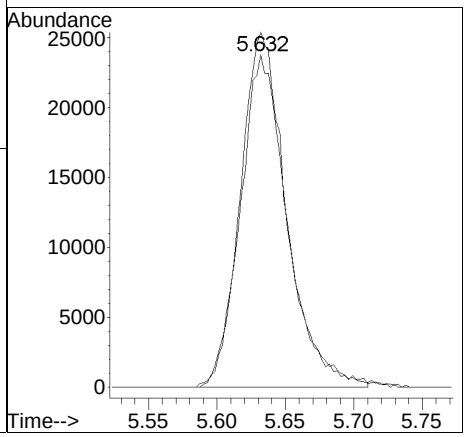


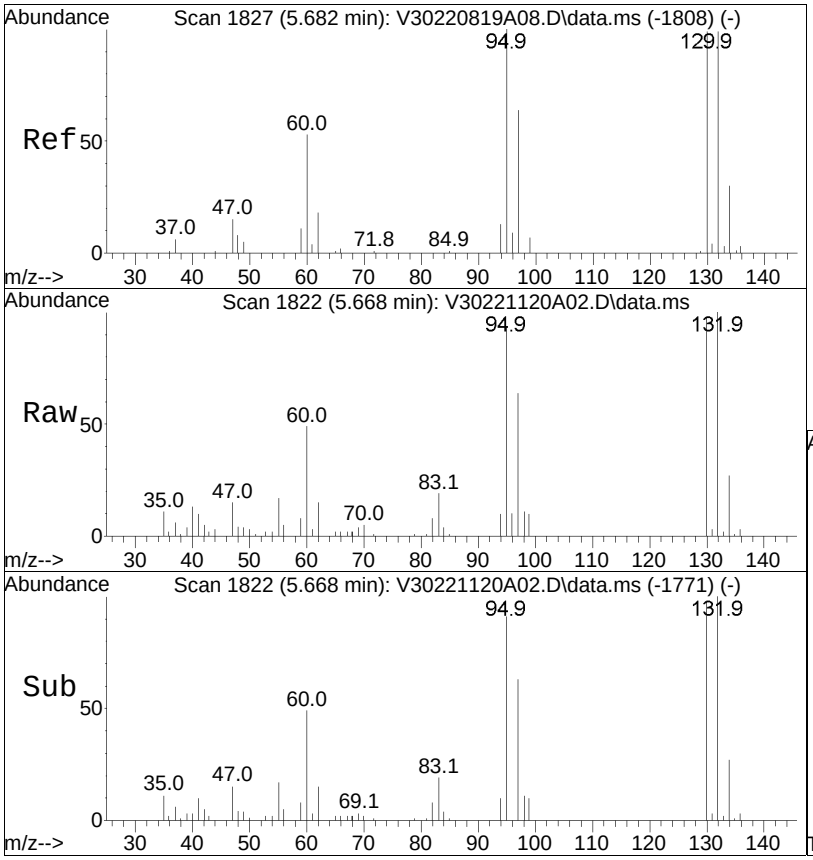


#47
Methyl cyclohexane
Concen: 9.12 ug/L
RT: 5.632 min Scan# 1809
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 83 Resp: 56728

Ion	Ratio	Lower	Upper
83	100		
55	104.1	88.3	132.5

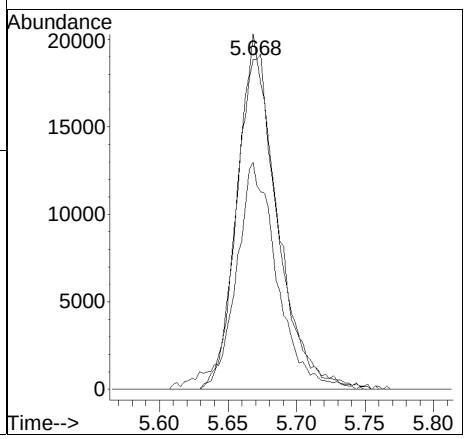


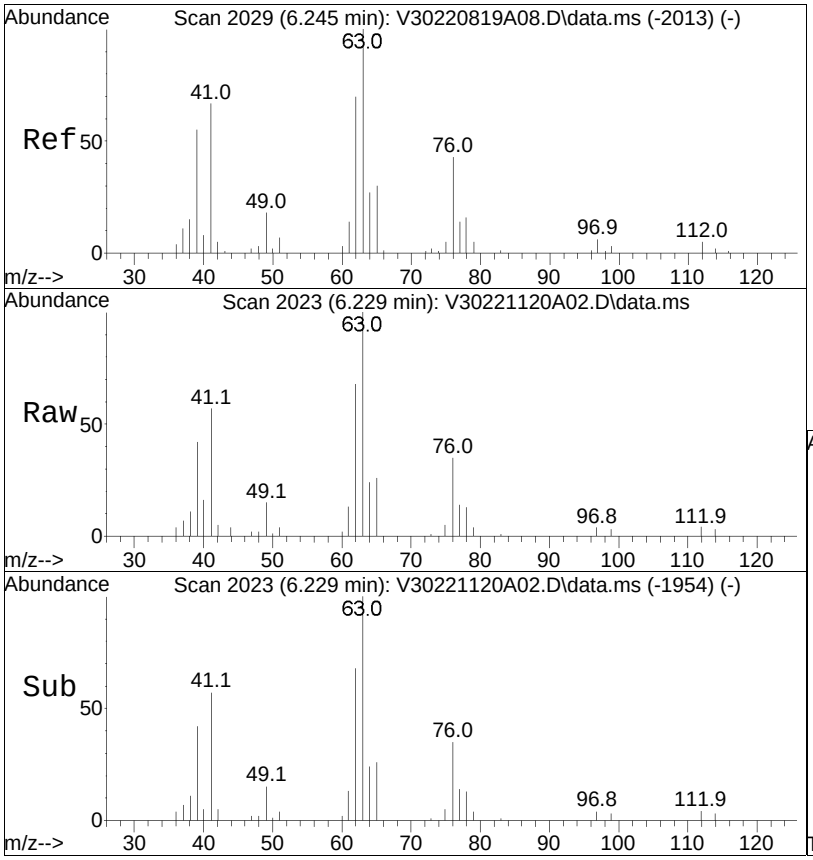


#48
Trichloroethene
Concen: 11.33 ug/L
RT: 5.668 min Scan# 1822
Delta R.T. -0.009 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 95 Resp: 40053

Ion	Ratio	Lower	Upper
95	100		
97	69.0	55.5	83.3
132	102.7	76.6	115.0

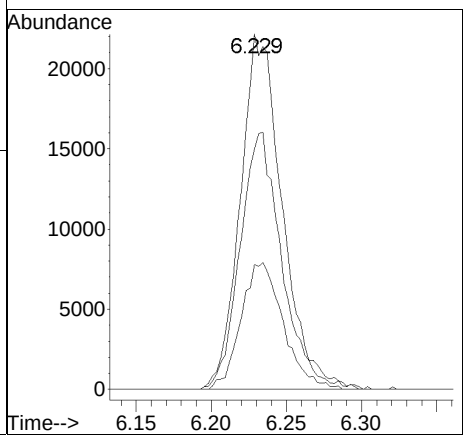


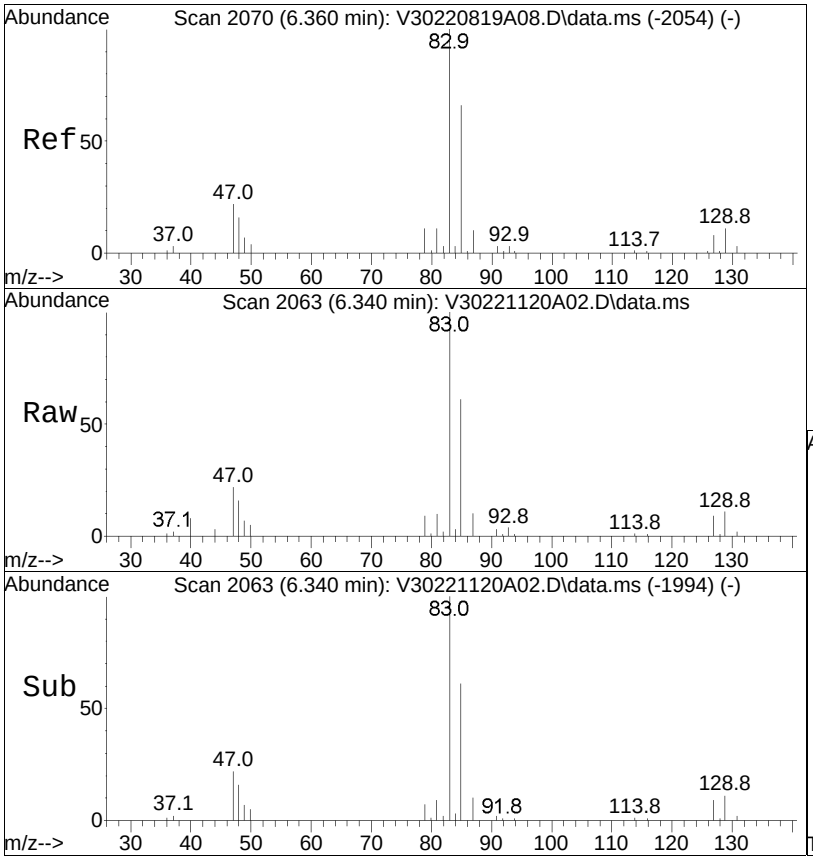


#51
1,2-Dichloropropane
Concen: 11.84 ug/L
RT: 6.229 min Scan# 2023
Delta R.T. -0.008 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 63 Resp: 43037

Ion	Ratio	Lower	Upper
63	100		
62	71.9	58.6	87.8
76	36.0	38.0	57.0#

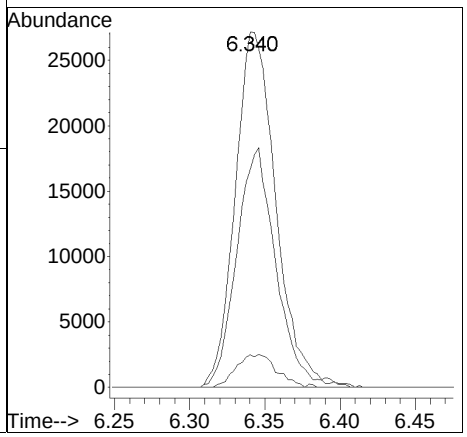


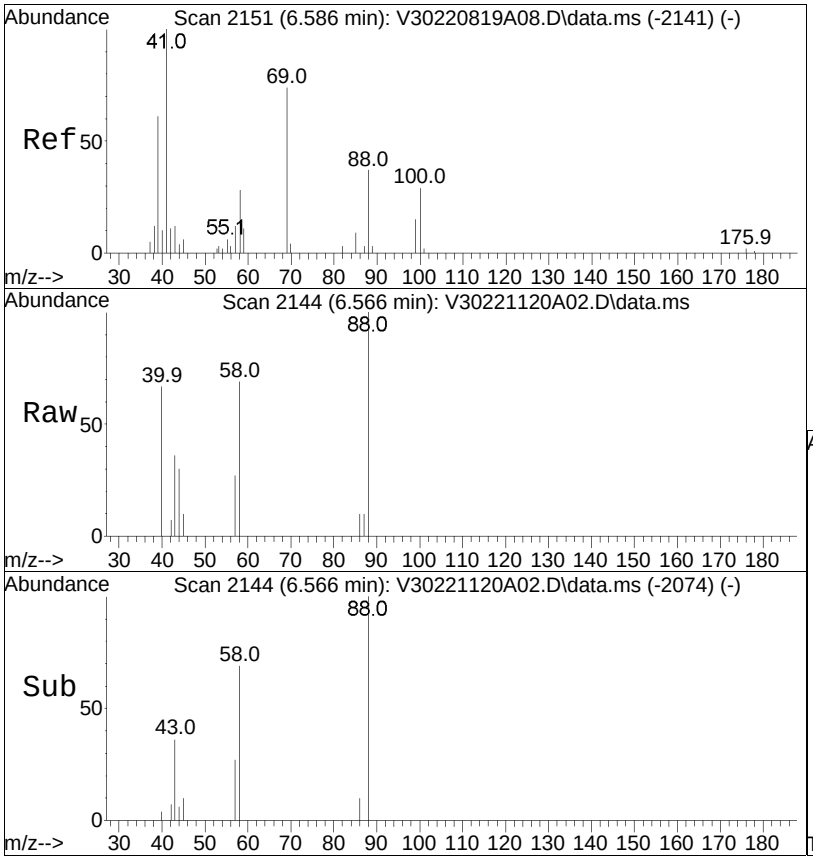


#54
Bromodichloromethane
Concen: 10.01 ug/L
RT: 6.340 min Scan# 2063
Delta R.T. -0.009 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 83 Resp: 51357

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5
127	9.2	6.2	9.4

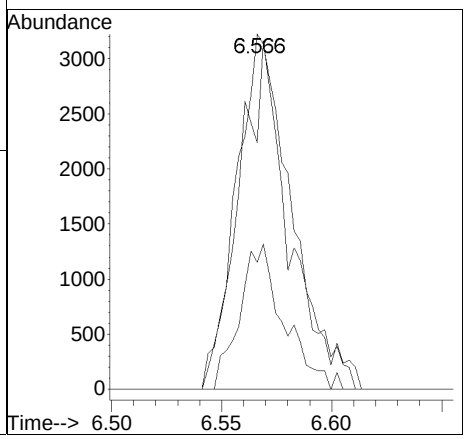


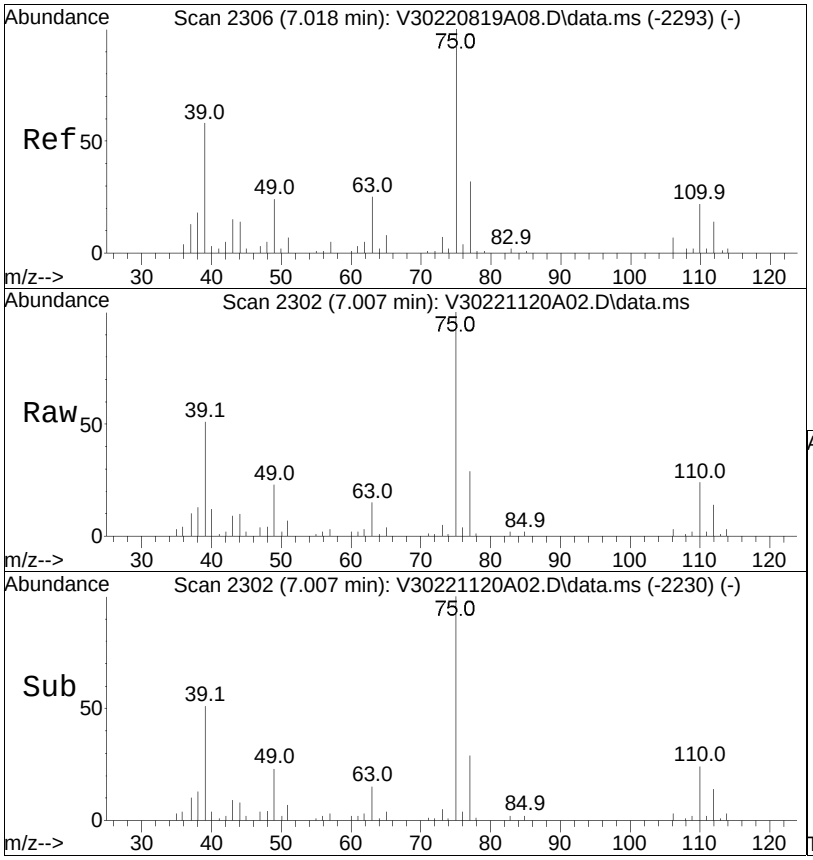


#57
1,4-Dioxane
Concen: 371.92 ug/L
RT: 6.566 min Scan# 2144
Delta R.T. -0.006 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 88 Resp: 5609

Ion	Ratio	Lower	Upper
88	100		
58	89.1	76.7	115.1
43	33.1	36.2	54.2#

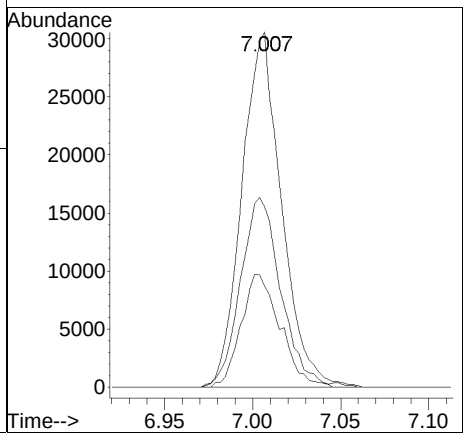


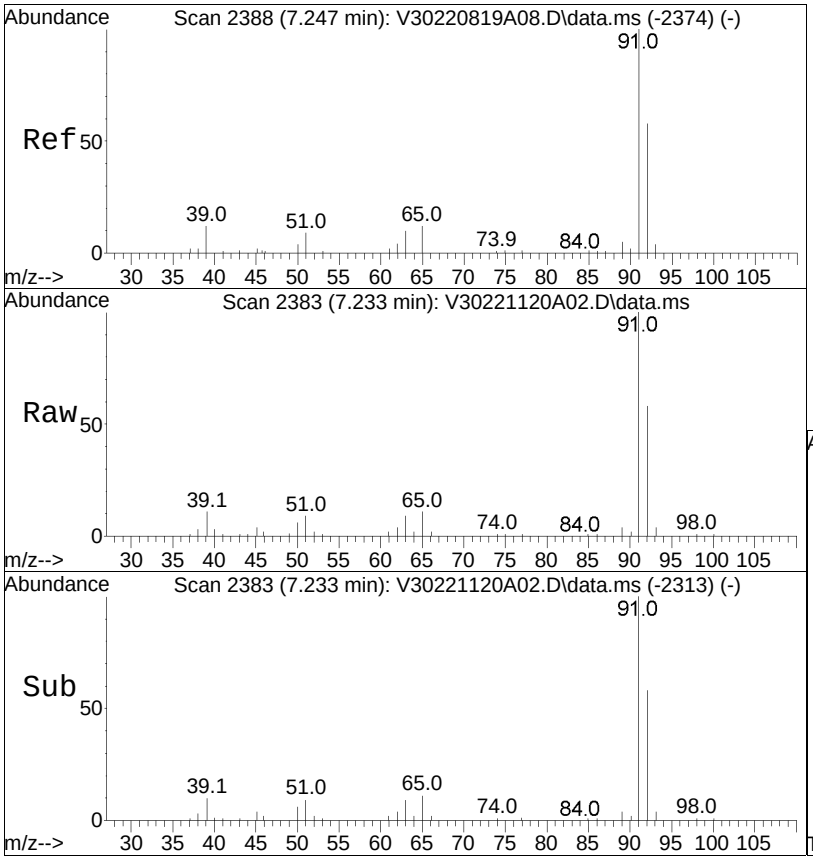


#58
cis-1,3-Dichloropropene
Concen: 9.57 ug/L
RT: 7.007 min Scan# 2302
Delta R.T. -0.000 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 75 Resp: 47867

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	54.3	50.1	75.1

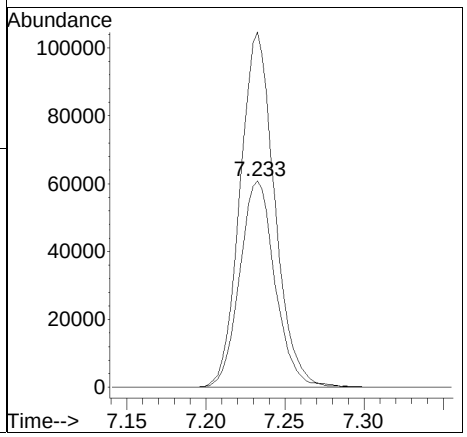


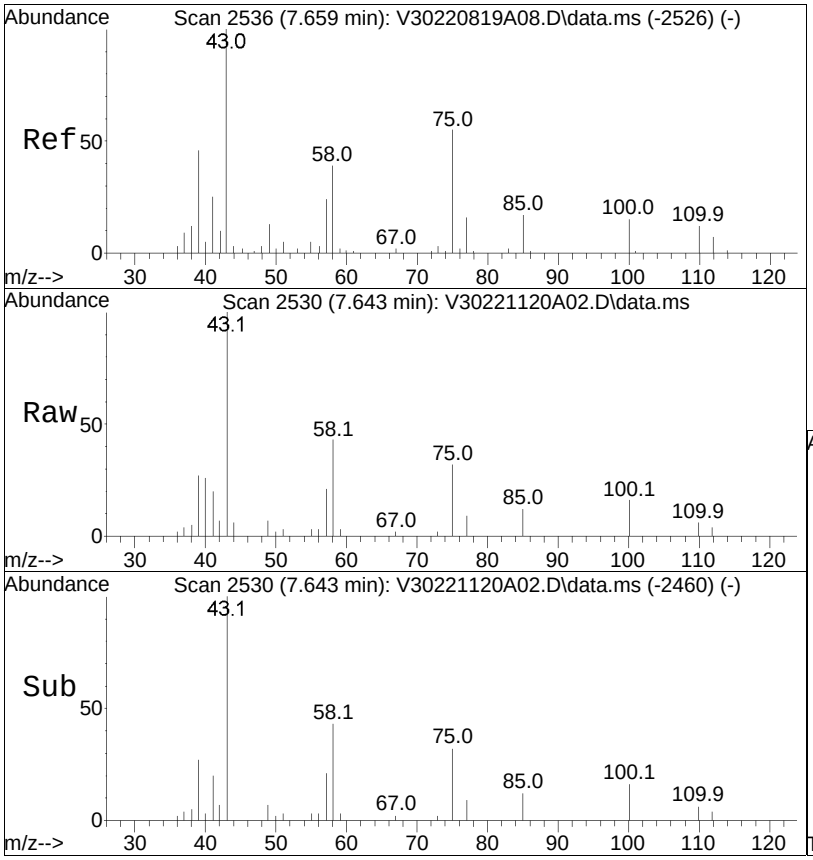


#61
Toluene
Concen: 11.24 ug/L
RT: 7.233 min Scan# 2383
Delta R.T. -0.005 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 92 Resp: 94667

Ion	Ratio	Lower	Upper
92	100		
91	168.5	139.8	209.6

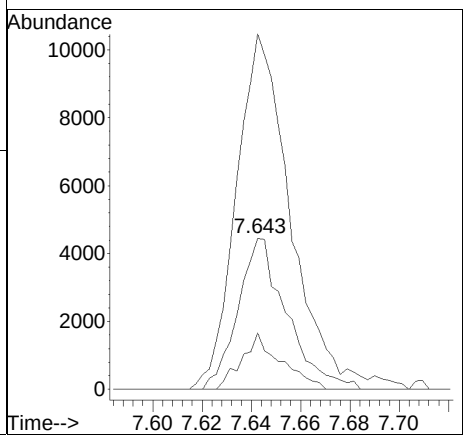


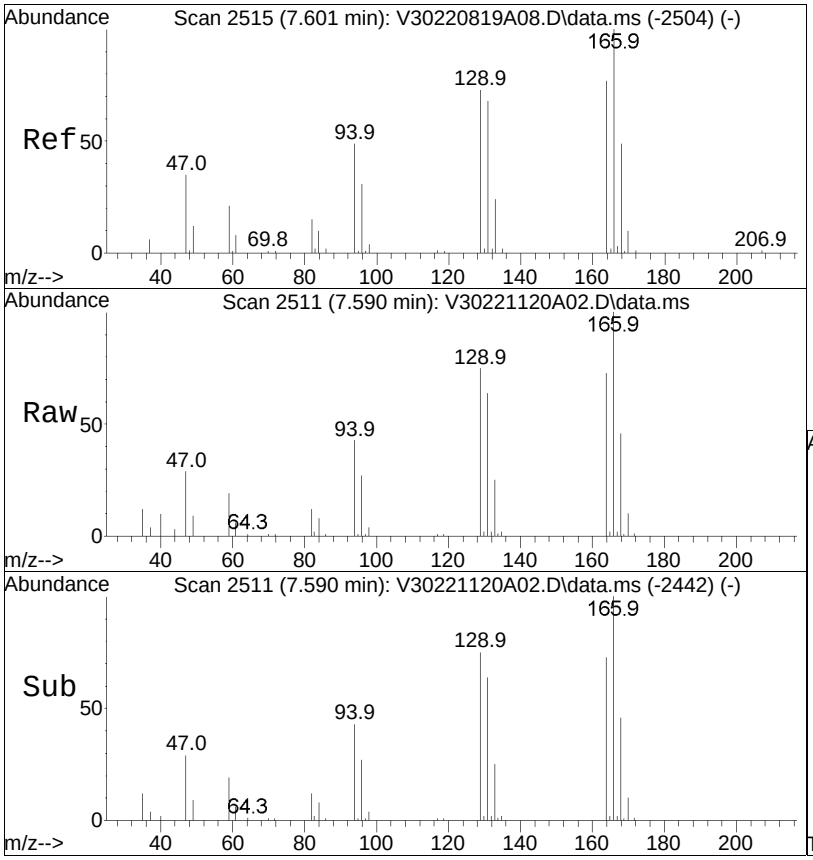


#62
4-Methyl-2-pentanone
Concen: 9.26 ug/L
RT: 7.643 min Scan# 2530
Delta R.T. -0.005 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 58 Resp: 6130

Ion	Ratio	Lower	Upper
58	100		
100	29.8	20.2	30.2
43	260.1	196.6	295.0

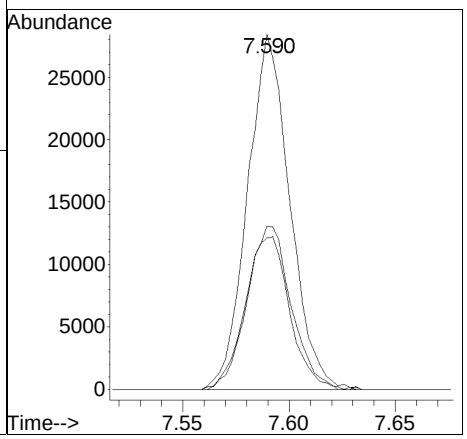


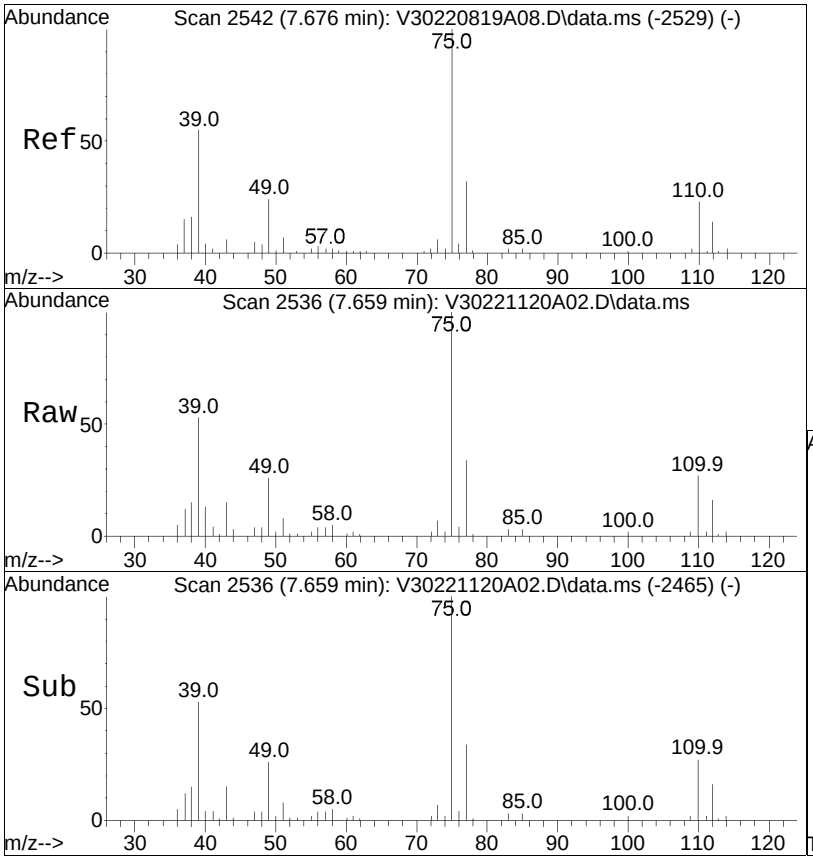


#63
Tetrachloroethene
Concen: 10.78 ug/L
RT: 7.590 min Scan# 2511
Delta R.T. -0.008 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:166 Resp: 39414

Ion	Ratio	Lower	Upper
166	100		
168	47.7	28.2	68.2
94	45.1	38.4	78.4

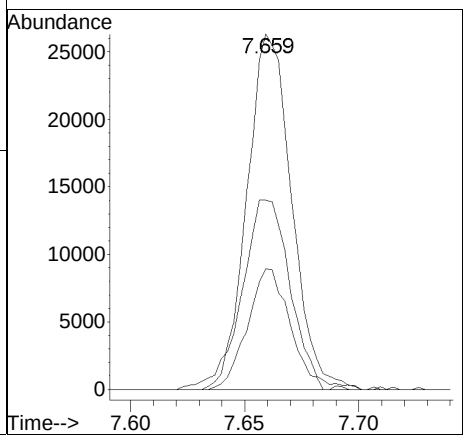


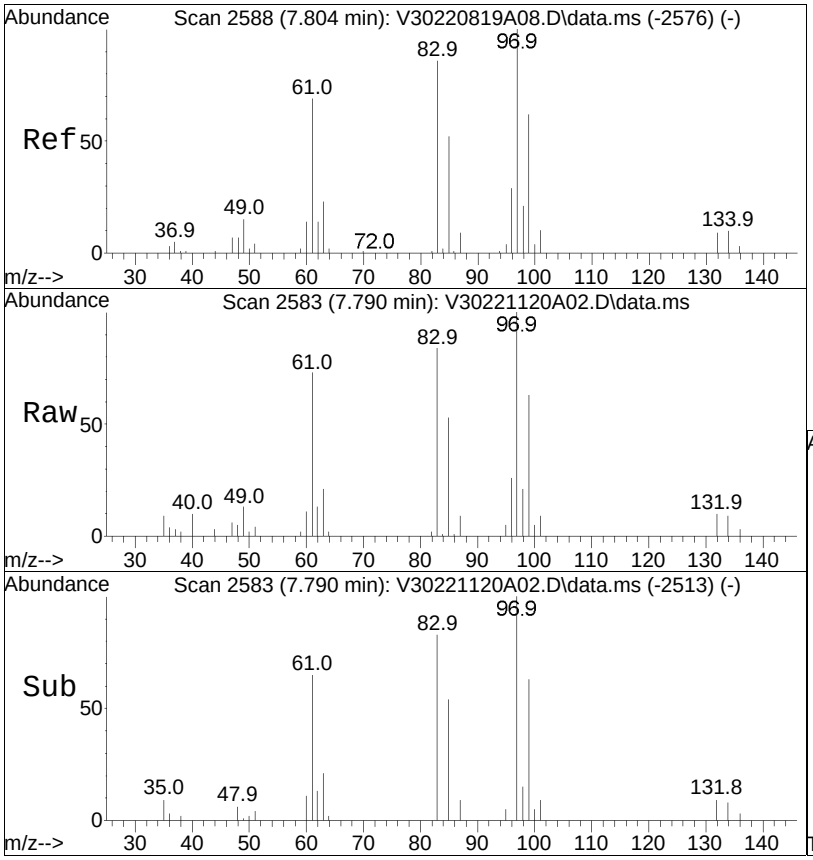


#65
trans-1,3-Dichloropropene
Concen: 8.45 ug/L
RT: 7.659 min Scan# 2536
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 75 Resp: 35686

Ion	Ratio	Lower	Upper
75	100		
77	32.1	12.4	52.4
39	58.6	42.8	82.8

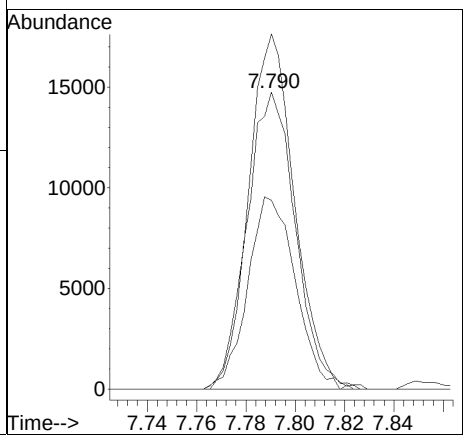


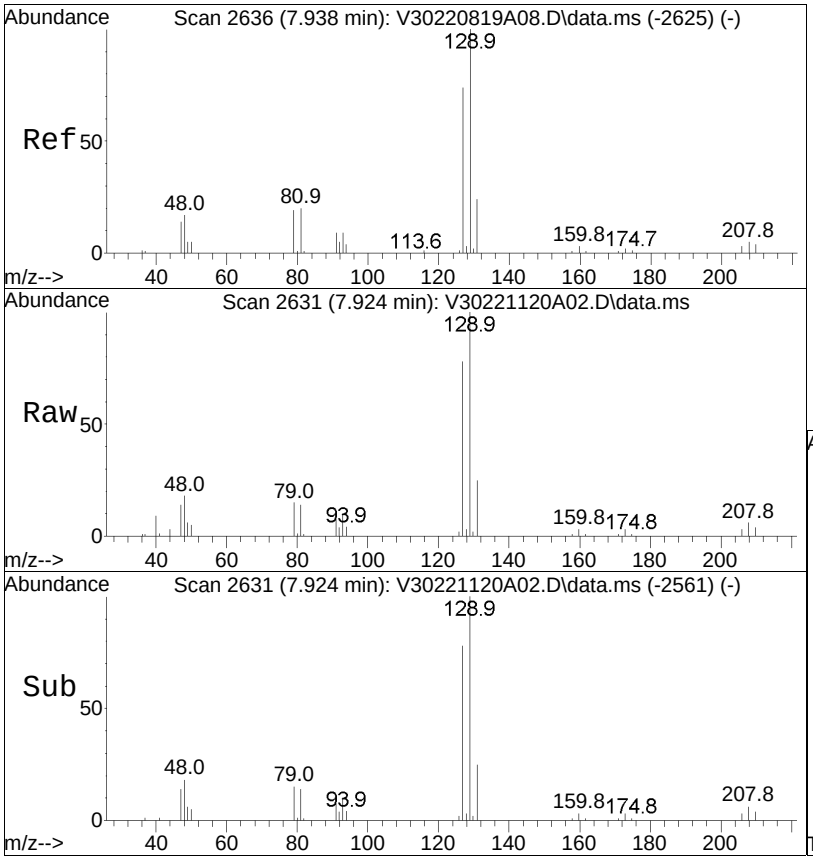


#68
1,1,2-Trichloroethane
Concen: 9.56 ug/L
RT: 7.790 min Scan# 2583
Delta R.T. -0.006 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 83 Resp: 20017

Ion	Ratio	Lower	Upper
83	100		
97	115.7	89.8	129.8
85	64.1	44.4	84.4

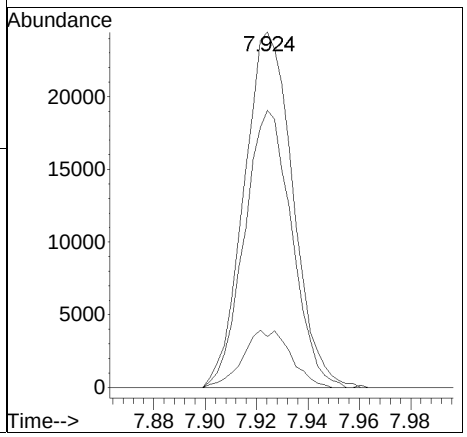


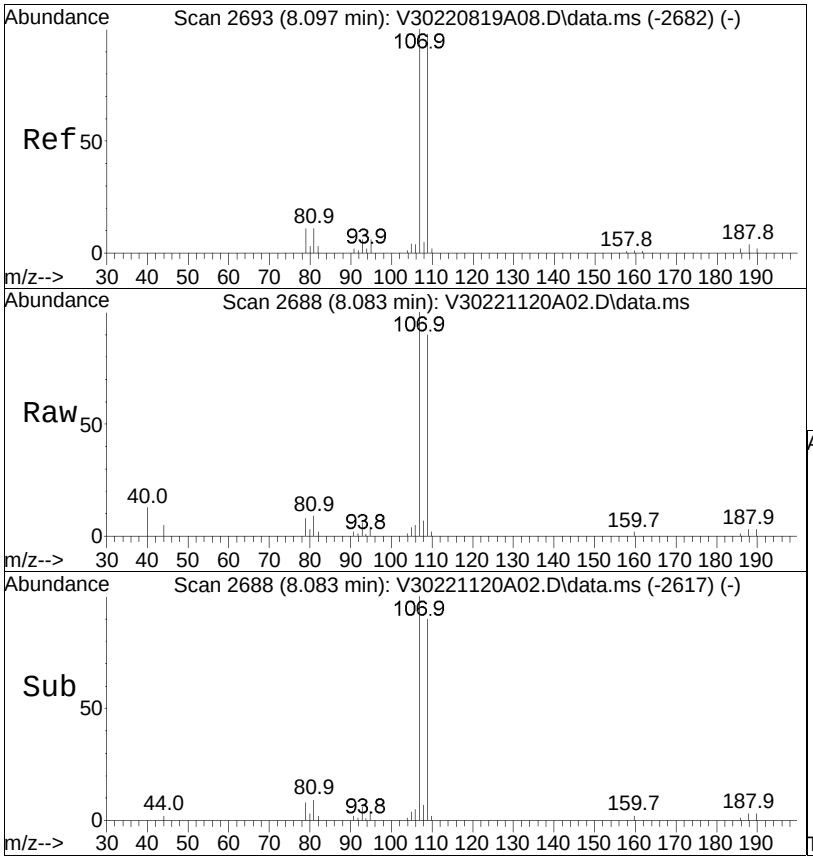


#69
Chlorodibromomethane
Concen: 9.23 ug/L
RT: 7.924 min Scan# 2631
Delta R.T. -0.006 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:129 Resp: 32323

Ion	Ratio	Lower	Upper
129	100		
81	15.7	2.9	42.9
127	75.6	57.8	97.8

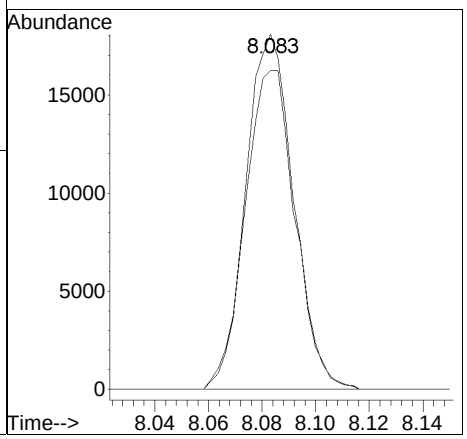


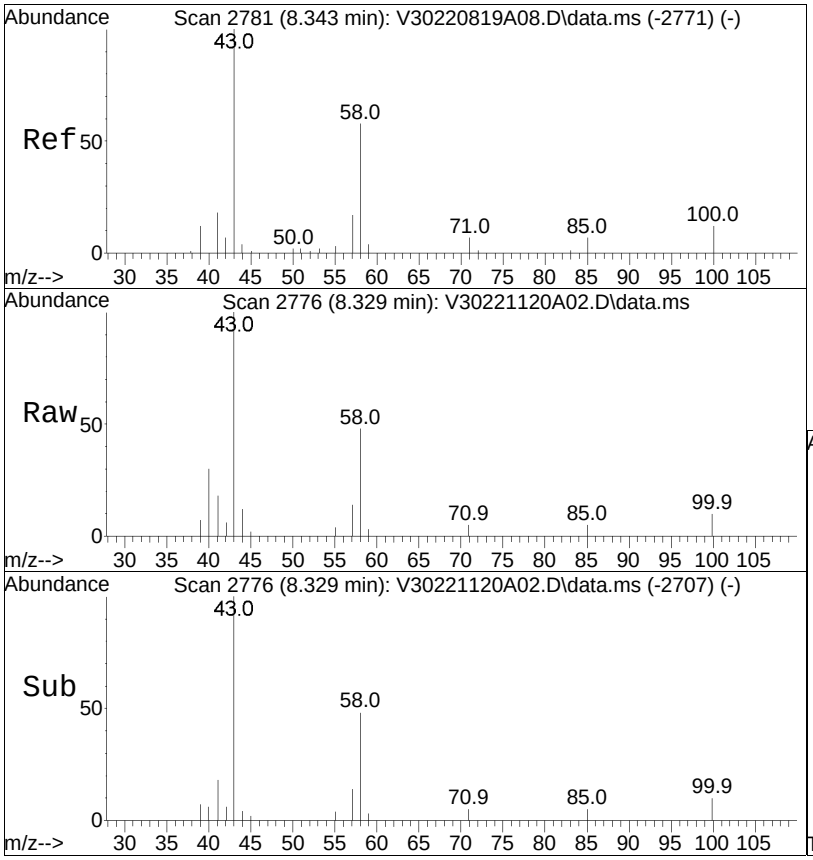


#71
1,2-Dibromoethane
Concen: 9.19 ug/L
RT: 8.083 min Scan# 2688
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:107 Resp: 22551

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5

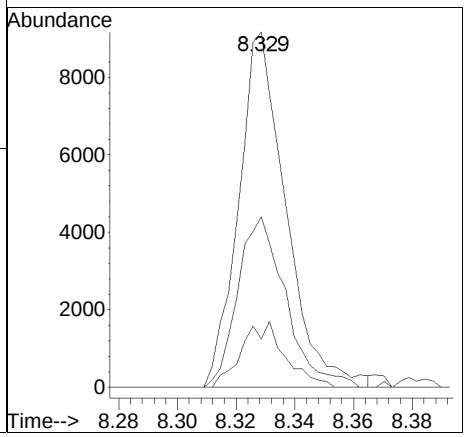


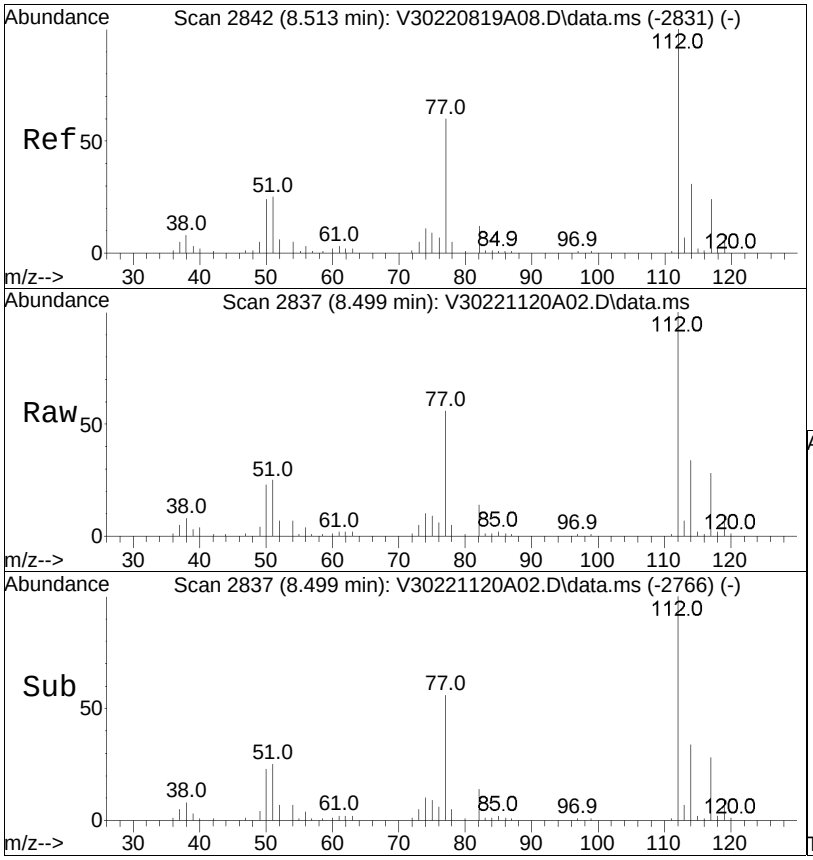


#72
2-Hexanone
Concen: 9.88 ug/L
RT: 8.329 min Scan# 2776
Delta R.T. -0.005 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 43 Resp: 10268

Ion	Ratio	Lower	Upper
43	100		
58	48.9	41.2	61.8
57	17.0	17.2	25.8#

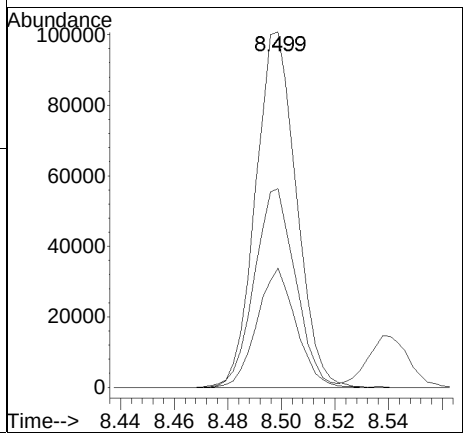


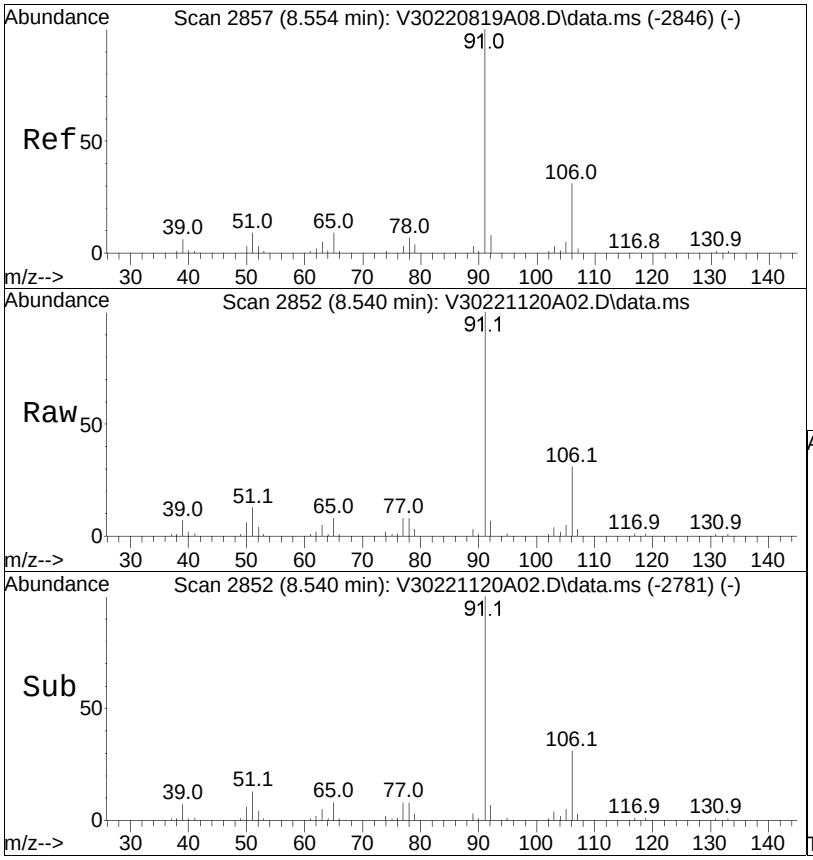


#73
Chlorobenzene
Concen: 11.00 ug/L
RT: 8.499 min Scan# 2837
Delta R.T. -0.002 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:112 Resp: 106266

Ion	Ratio	Lower	Upper
112	100		
77	56.6	55.4	83.0
114	32.2	25.4	38.2

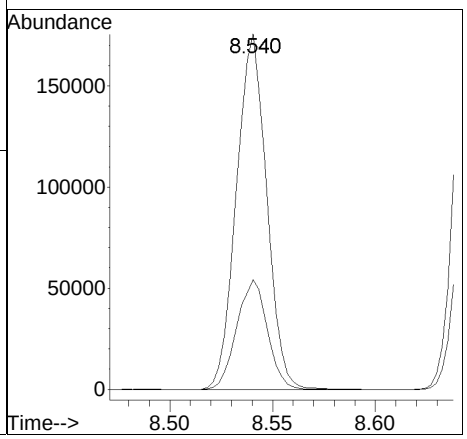


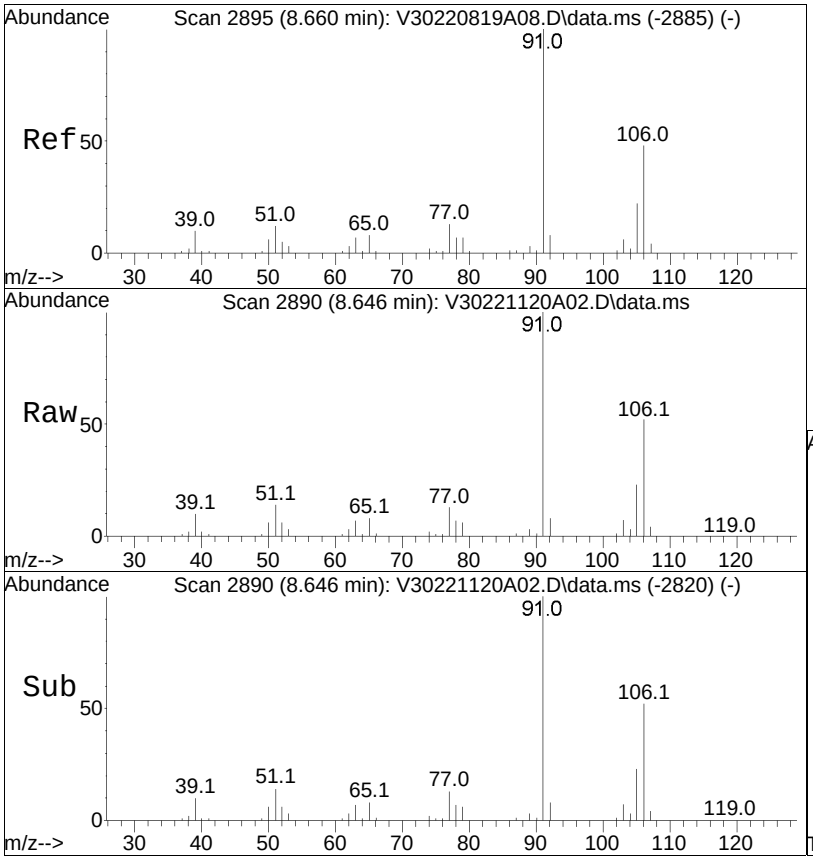


#74
Ethylbenzene
Concen: 11.22 ug/L
RT: 8.540 min Scan# 2852
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 91 Resp: 179694

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.3	36.5

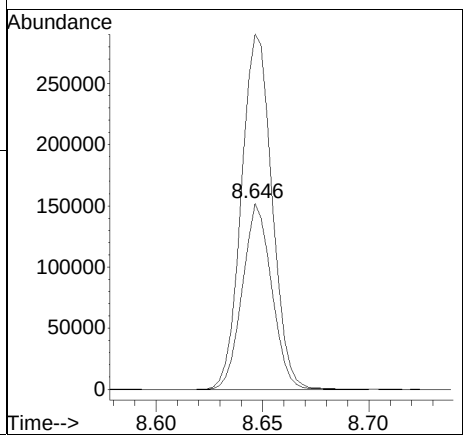


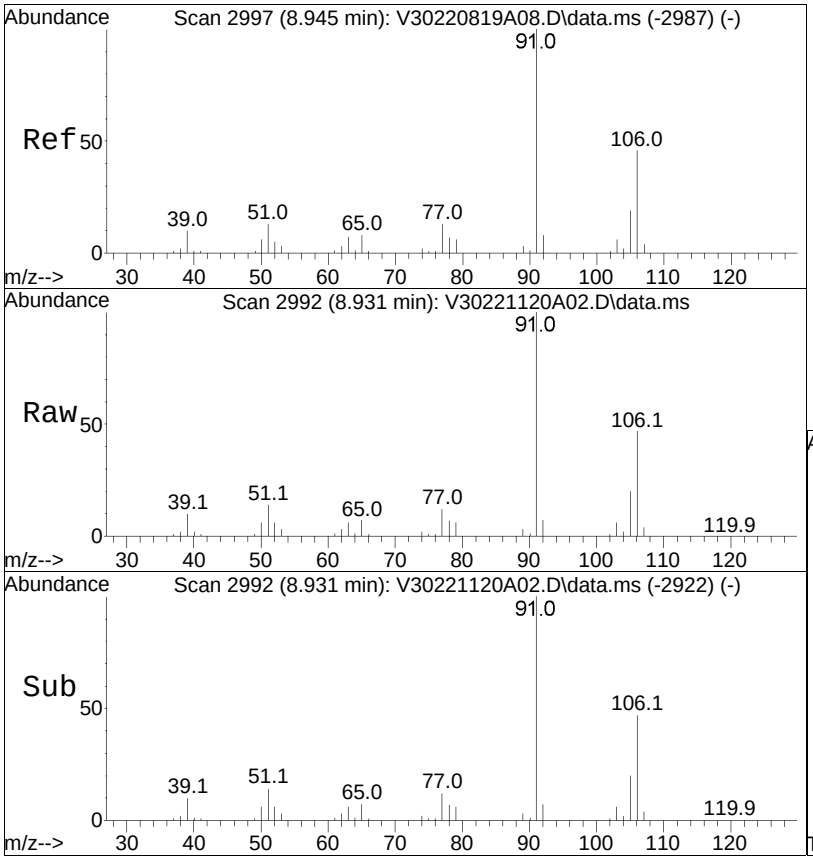


#76
p/m Xylene
Concen: 22.63 ug/L
RT: 8.646 min Scan# 2890
Delta R.T. -0.006 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:106 Resp: 145668

Ion	Ratio	Lower	Upper
106	100		
91	199.7	166.4	249.6

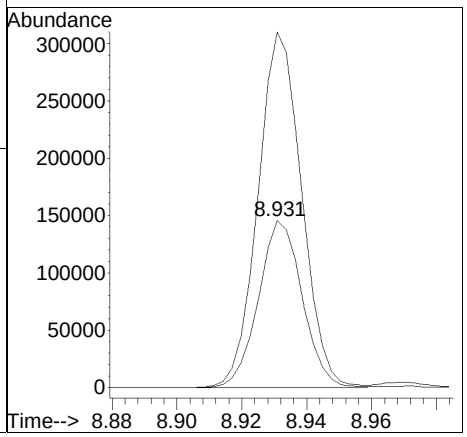


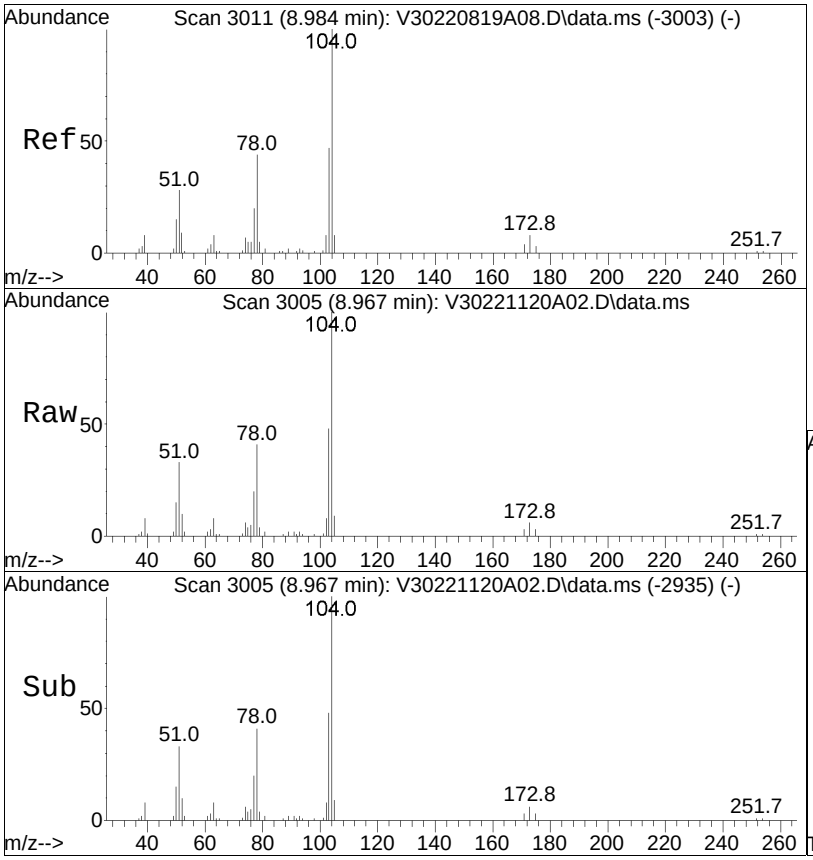


#77
o Xylene
Concen: 21.88 ug/L
RT: 8.931 min Scan# 2992
Delta R.T. -0.006 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:106 Resp: 135803

Ion	Ratio	Lower	Upper
106	100		
91	213.2	182.6	273.8

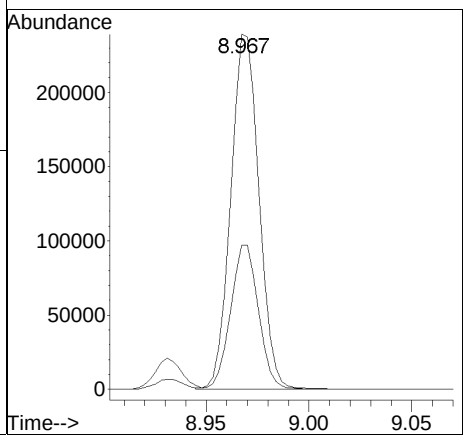


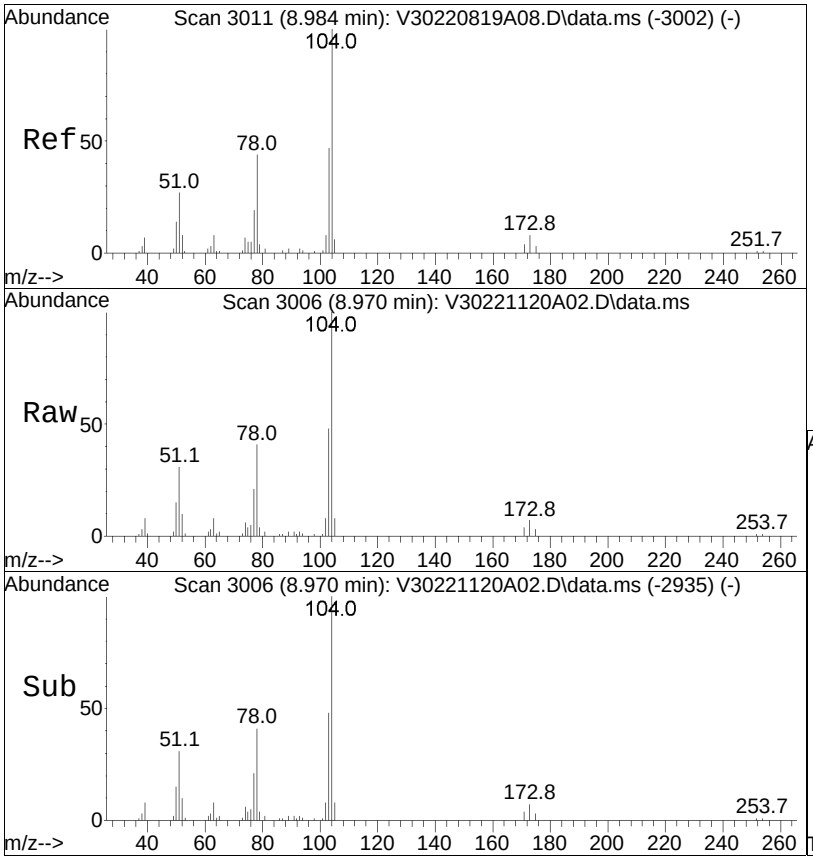


#78
Styrene
Concen: 22.00 ug/L
RT: 8.967 min Scan# 3005
Delta R.T. -0.006 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:104 Resp: 228734

Ion	Ratio	Lower	Upper
104	100		
78	40.2	39.8	59.6

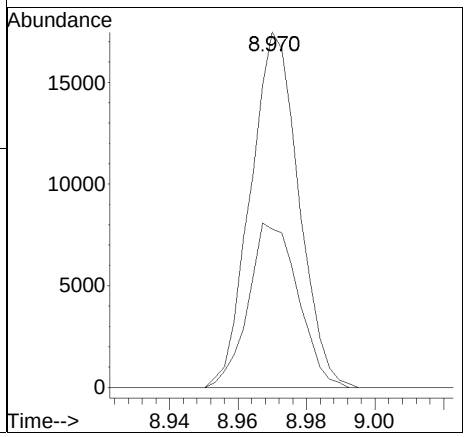


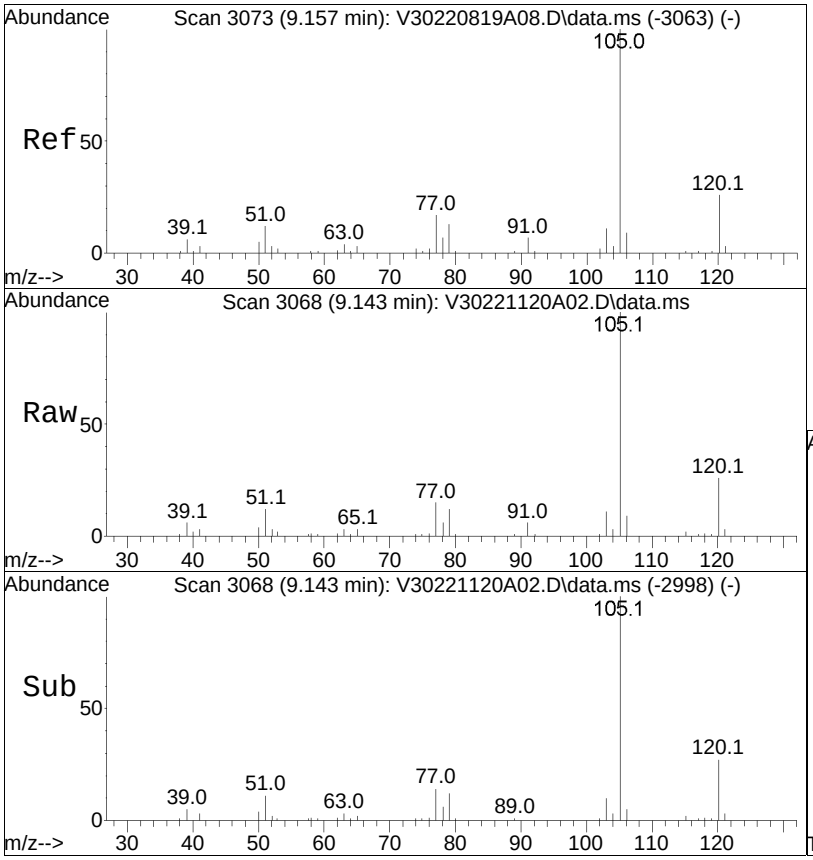


#80
Bromoform
Concen: 7.92 ug/L
RT: 8.970 min Scan# 3006
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:173 Resp: 17105

Ion	Ratio	Lower	Upper
173	100		
175	47.6	31.5	71.5

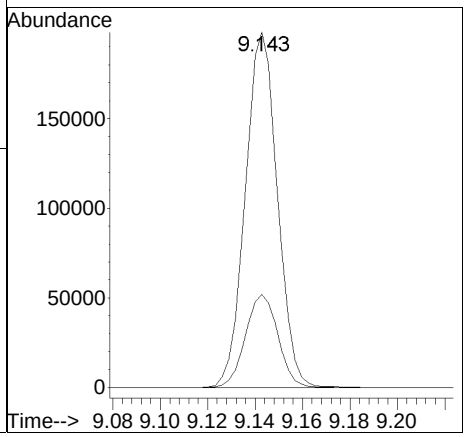


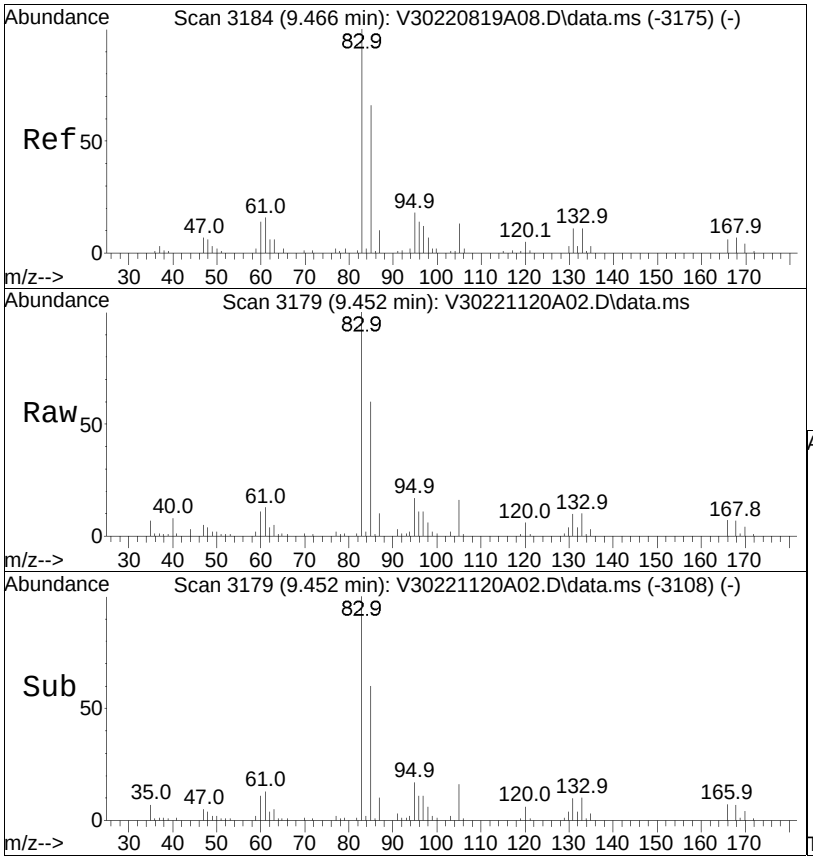


#82
Isopropylbenzene
Concen: 11.02 ug/L
RT: 9.143 min Scan# 3068
Delta R.T. -0.005 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:105 Resp: 186247

Ion	Ratio	Lower	Upper
105	100		
120	26.4	4.8	44.8

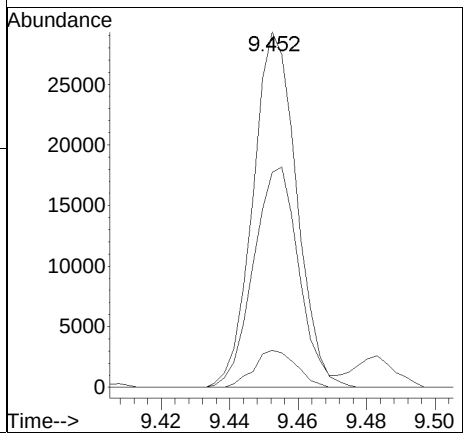


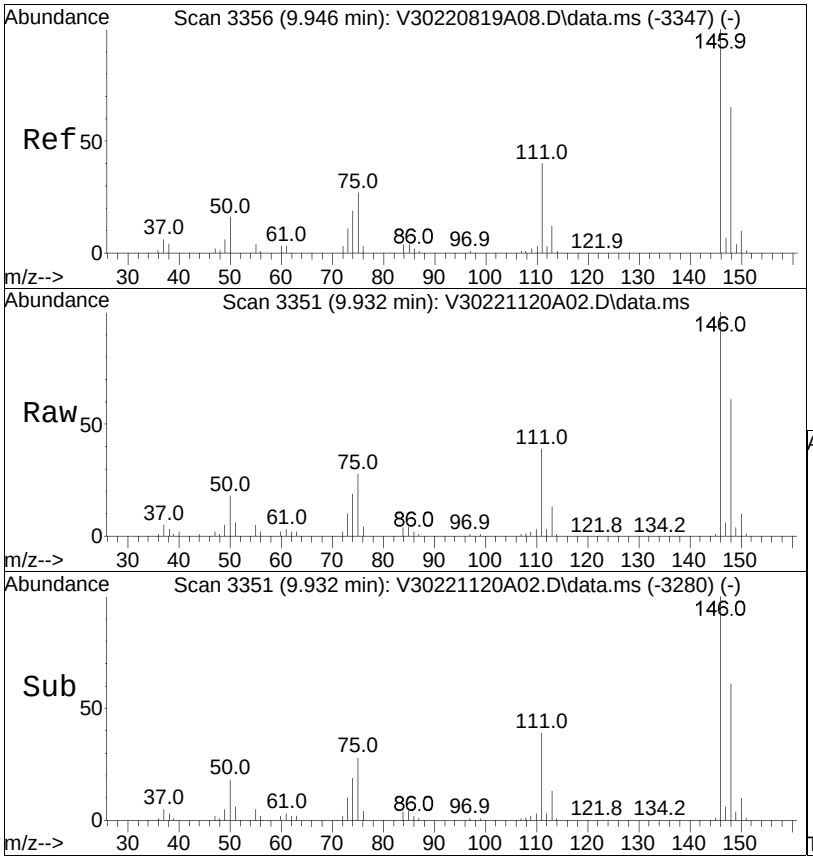


#87
1,1,2,2-Tetrachloroethane
Concen: 8.79 ug/L
RT: 9.452 min Scan# 3179
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion: 83 Resp: 25977

Ion	Ratio	Lower	Upper
83	100		
131	10.2	0.0	30.4
85	64.7	45.4	85.4

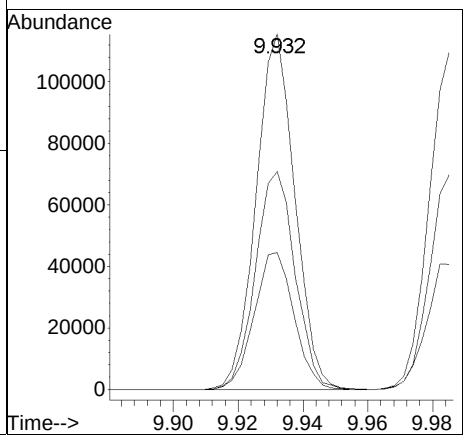


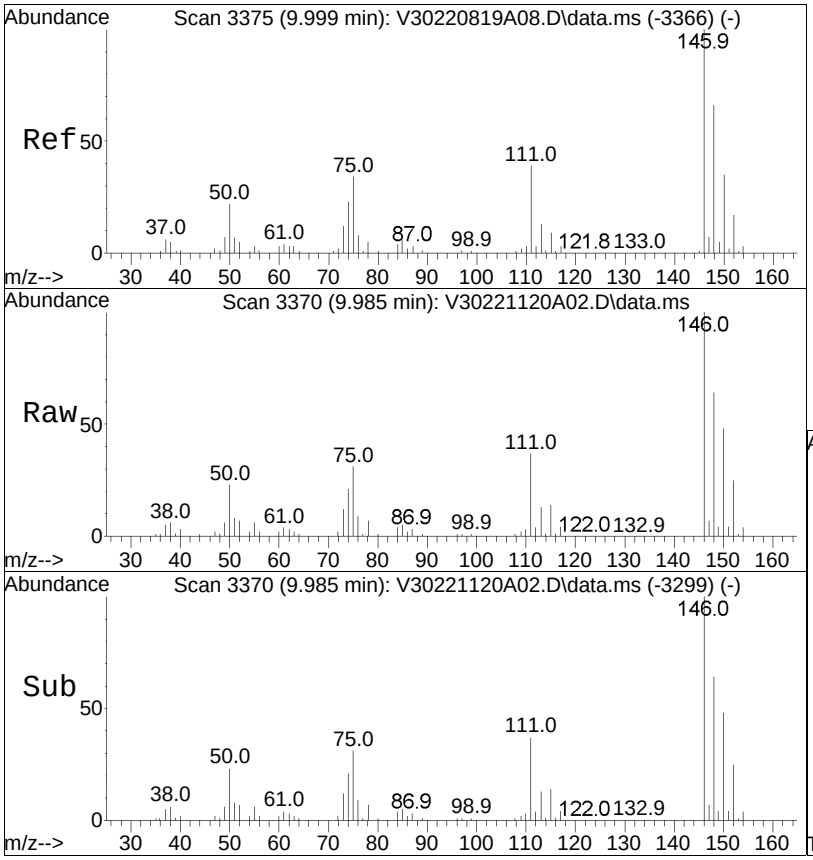


#100
1,3-Dichlorobenzene
Concen: 11.00 ug/L
RT: 9.932 min Scan# 3351
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:146 Resp: 96137

Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.5	57.1
148	62.7	41.9	86.9

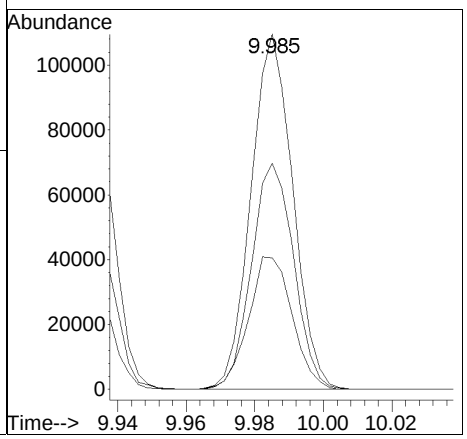


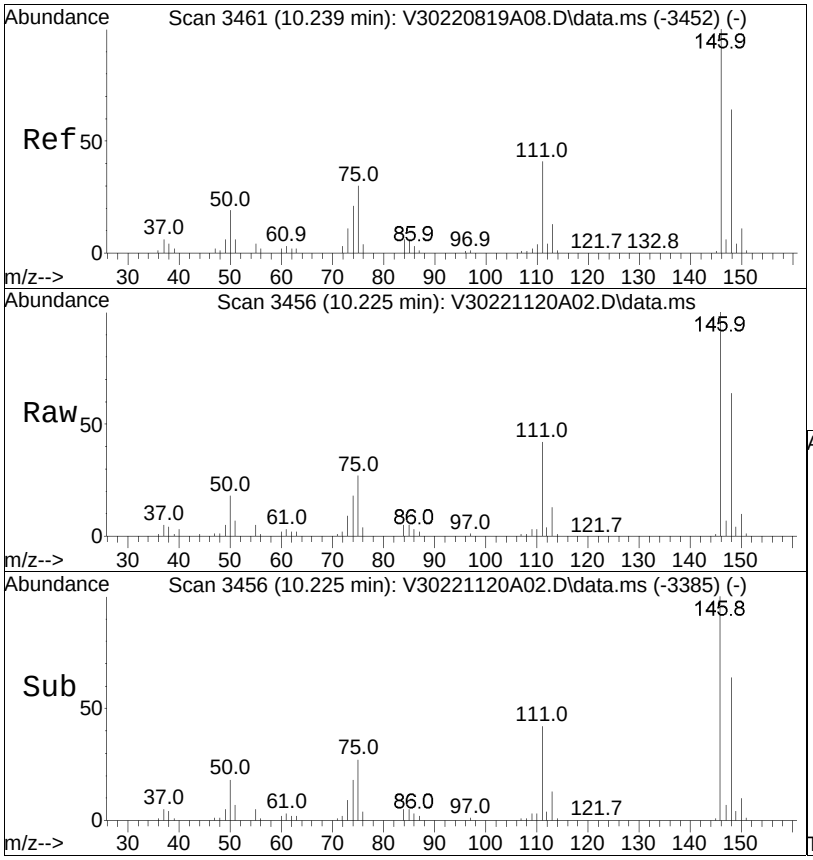


#101
1,4-Dichlorobenzene
Concen: 10.76 ug/L
RT: 9.985 min Scan# 3370
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:146 Resp: 92996

Ion	Ratio	Lower	Upper
146	100		
111	39.2	32.3	48.5
148	64.4	49.9	74.9

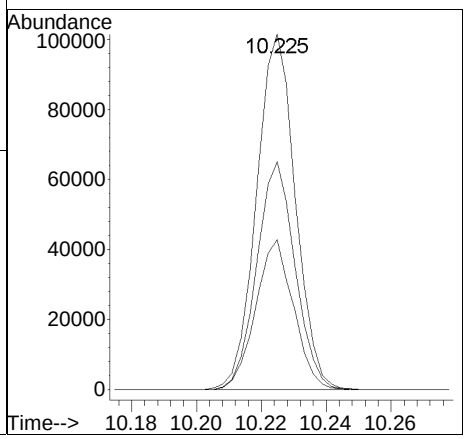


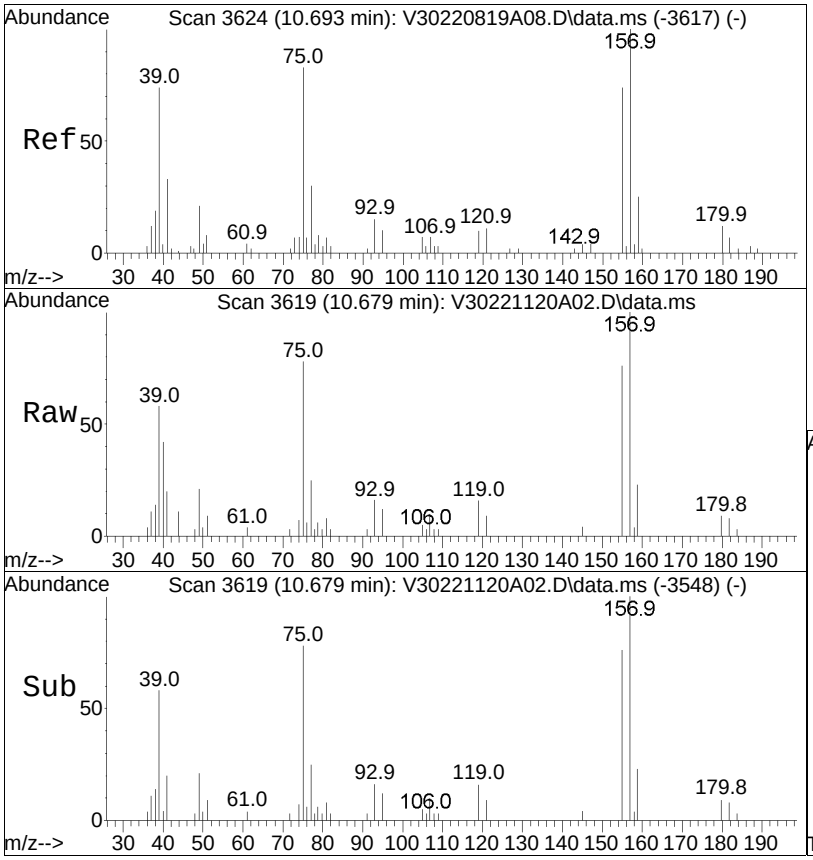


#104
1,2-Dichlorobenzene
Concen: 10.64 ug/L
RT: 10.225 min Scan# 3456
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:146 Resp: 84383

Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.3	58.7
148	63.3	42.3	87.8

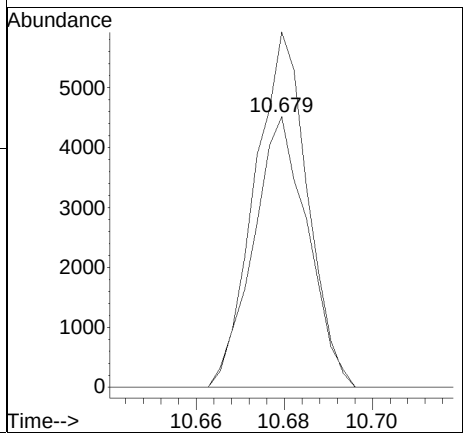


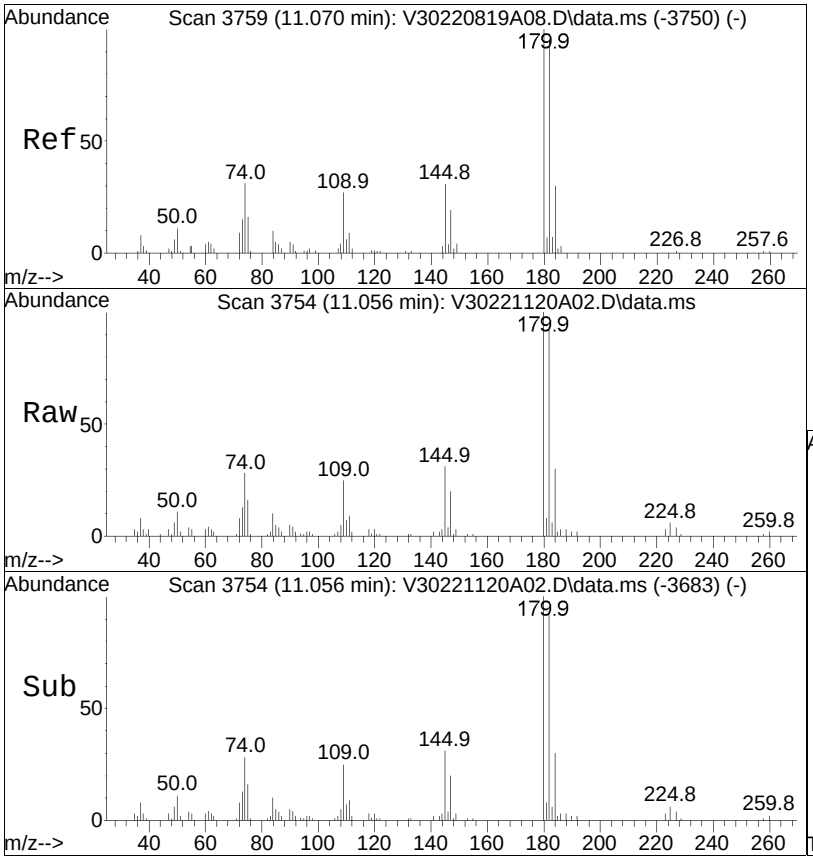


#106
1,2-Dibromo-3-chloropropane
Concen: 8.69 ug/L
RT: 10.679 min Scan# 3619
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:155 Resp: 3888

Ion	Ratio	Lower	Upper
155	100		
157	126.9	94.8	142.2

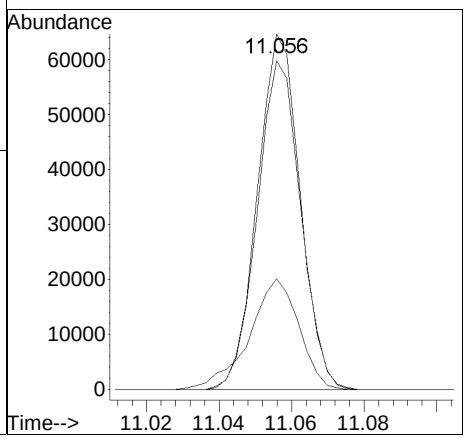


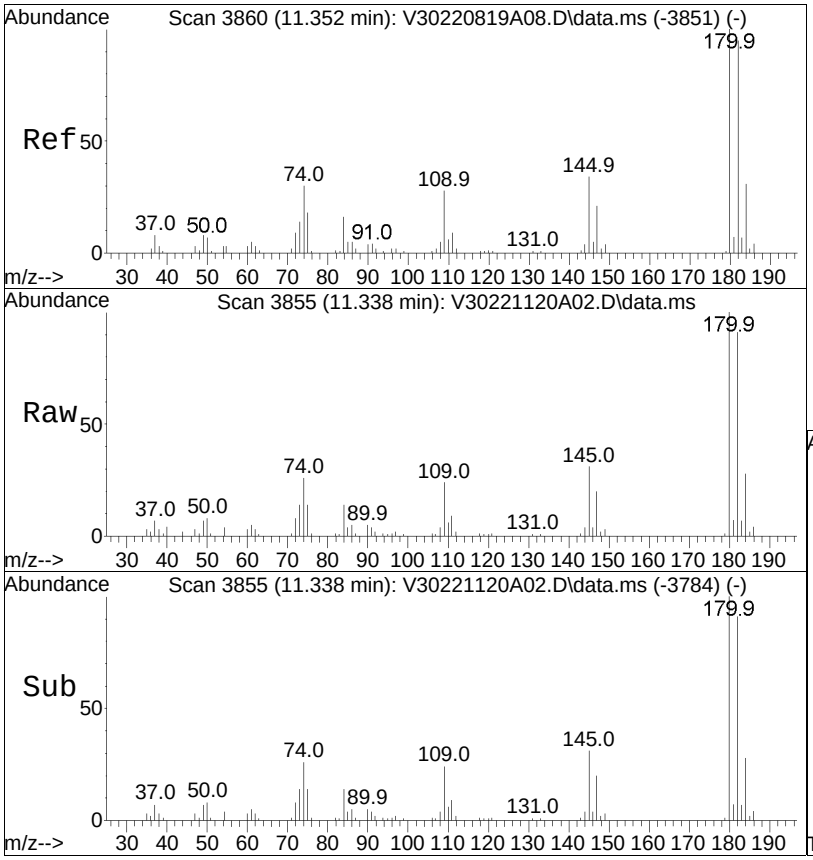


#109
1,2,4-Trichlorobenzene
Concen: 9.39 ug/L
RT: 11.056 min Scan# 3754
Delta R.T. -0.003 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:180 Resp: 52966

Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.3	115.9
145	36.1	28.1	42.1

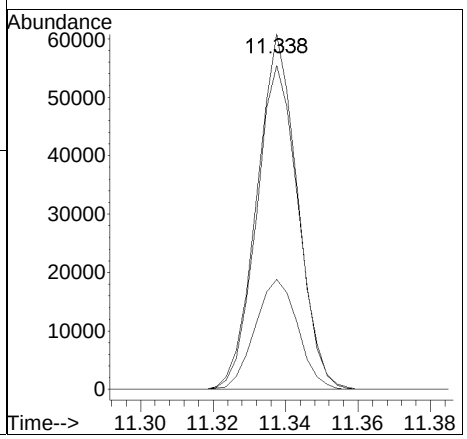




#111
1,2,3-Trichlorobenzene
Concen: 9.19 ug/L
RT: 11.338 min Scan# 3855
Delta R.T. -0.002 min
Lab File: V30221120A02.D
Acq: 20 Nov 2022 08:36 am

Tgt Ion:180 Resp: 47397

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.4	114.6
145	32.6	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N27.d
Acq On : 20 Nov 2022 3:44 am
Operator : VOA108:PID
Sample : WG1714899-6,31,10,10,,A1
Misc : WG1714899,ICAL19477
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 21 12:08:24 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.625	96	197997	10.000	ug/L	0.00
Standard Area 1 = 198344			Recovery = 99.83%			
59) Chlorobenzene-d5	8.572	117	156221	10.000	ug/L	0.00
Standard Area 1 = 157340			Recovery = 99.29%			
79) 1,4-Dichlorobenzene-d4	10.050	152	87177	10.000	ug/L	0.00
Standard Area 1 = 87789			Recovery = 99.30%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.655	113	58798	10.119	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.19%			
43) 1,2-Dichloroethane-d4	5.279	65	63415	10.375	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.75%			
60) Toluene-d8	7.303	98	190194	10.070	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%			
83) 4-Bromofluorobenzene	9.379	95	61349	9.272	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.011	85	29823	8.035	ug/L	98
3) Chloromethane	1.148	50	37040	8.921	ug/L	97
4) Vinyl chloride	1.190	62	51307	11.472	ug/L	93
5) Bromomethane	1.405	94	24176	5.561	ug/L	96
6) Chloroethane	1.489	64	103583	22.642	ug/L	97
7) Trichlorofluoromethane	1.588	101	110680	11.085	ug/L	98
10) 1,1-Dichloroethene	1.971	96	65367	11.078	ug/L #	55
11) Carbon disulfide	1.976	76	112507	10.988	ug/L	93
12) Freon-113	2.018	101	64166	10.586	ug/L	94
15) Methylene chloride	2.474	84	44707	8.912	ug/L	66
17) Acetone	2.537	43	13612	9.890	ug/L	99
18) trans-1,2-Dichloroethene	2.626	96	70529	14.742	ug/L #	66
19) Methyl acetate	2.673	43	26190	7.604	ug/L #	82
20) Methyl tert-butyl ether	2.773	73	102800	8.023	ug/L	95
23) 1,1-Dichloroethane	3.287	63	74391	9.631	ug/L	96
28) cis-1,2-Dichloroethene	4.000	96	341487	61.772	ug/L #	62
30) Bromochloromethane	4.273	128	27097	8.869	ug/L #	49
31) Cyclohexane	4.262	56	57814	8.706	ug/L #	49
32) Chloroform	4.425	83	82704	9.377	ug/L	98
34) Carbon tetrachloride	4.556	117	62569	8.956	ug/L	99

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N27.d
Acq On : 20 Nov 2022 3:44 am
Operator : VOA108:PID
Sample : WG1714899-6,31,10,10,,A1
Misc : WG1714899,ICAL19477
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 21 12:08:24 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.645	97	70265	9.090	ug/L	#	95
39) 2-Butanone	4.839	43	18626	8.134	ug/L	#	31
41) Benzene	5.111	78	174844	9.480	ug/L	#	89
44) 1,2-Dichloroethane	5.363	62	63966	9.287	ug/L		95
47) Methyl cyclohexane	5.793	83	63823	8.289	ug/L	#	57
48) Trichloroethene	5.819	95	308697	57.567	ug/L		89
51) 1,2-Dichloropropane	6.365	63	43757	9.389	ug/L		99
54) Bromodichloromethane	6.469	83	61289	8.800	ug/L	#	99
57) 1,4-Dioxane	6.690	88	29934	551.819	ug/L	#	65
58) cis-1,3-Dichloropropene	7.120	75	65419	7.974	ug/L		92
61) Toluene	7.350	92	106829	8.905	ug/L		97
62) 4-Methyl-2-pentanone	7.738	58	14593	8.383	ug/L	#	92
63) Tetrachloroethene	7.702	166	50073	8.745	ug/L		89
65) trans-1,3-Dichloropropene	7.759	75	61794	8.281	ug/L		96
68) 1,1,2-Trichloroethane	7.885	83	36641	9.661	ug/L		95
69) Chlorodibromomethane	8.016	129	48820	8.283	ug/L		97
71) 1,2-Dibromoethane	8.179	107	46357	9.064	ug/L		99
72) 2-Hexanone	8.409	43	25779	7.541	ug/L		93
73) Chlorobenzene	8.582	112	133800	9.050	ug/L	#	83
74) Ethylbenzene	8.624	91	202496	8.798	ug/L		96
76) p/m Xylene	8.729	106	169326	17.722	ug/L		85
77) o Xylene	9.012	106	157660	17.312	ug/L		84
78) Styrene	9.044	104	250892	16.375	ug/L	#	82
80) Bromoform	9.049	173	30522	7.313	ug/L		98
82) Isopropylbenzene	9.217	105	209161	8.816	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.521	83	58268	9.492	ug/L		99
100) 1,3-Dichlorobenzene	10.003	146	111673	8.468	ug/L		97
101) 1,4-Dichlorobenzene	10.056	146	116212	8.703	ug/L		96
104) 1,2-Dichlorobenzene	10.297	146	110230	8.500	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.748	155	10454	8.162	ug/L		98
109) 1,2,4-Trichlorobenzene	11.130	180	74254	8.115	ug/L		98
111) 1,2,3-Trichlorobenzene	11.408	180	74028	8.053	ug/L		99

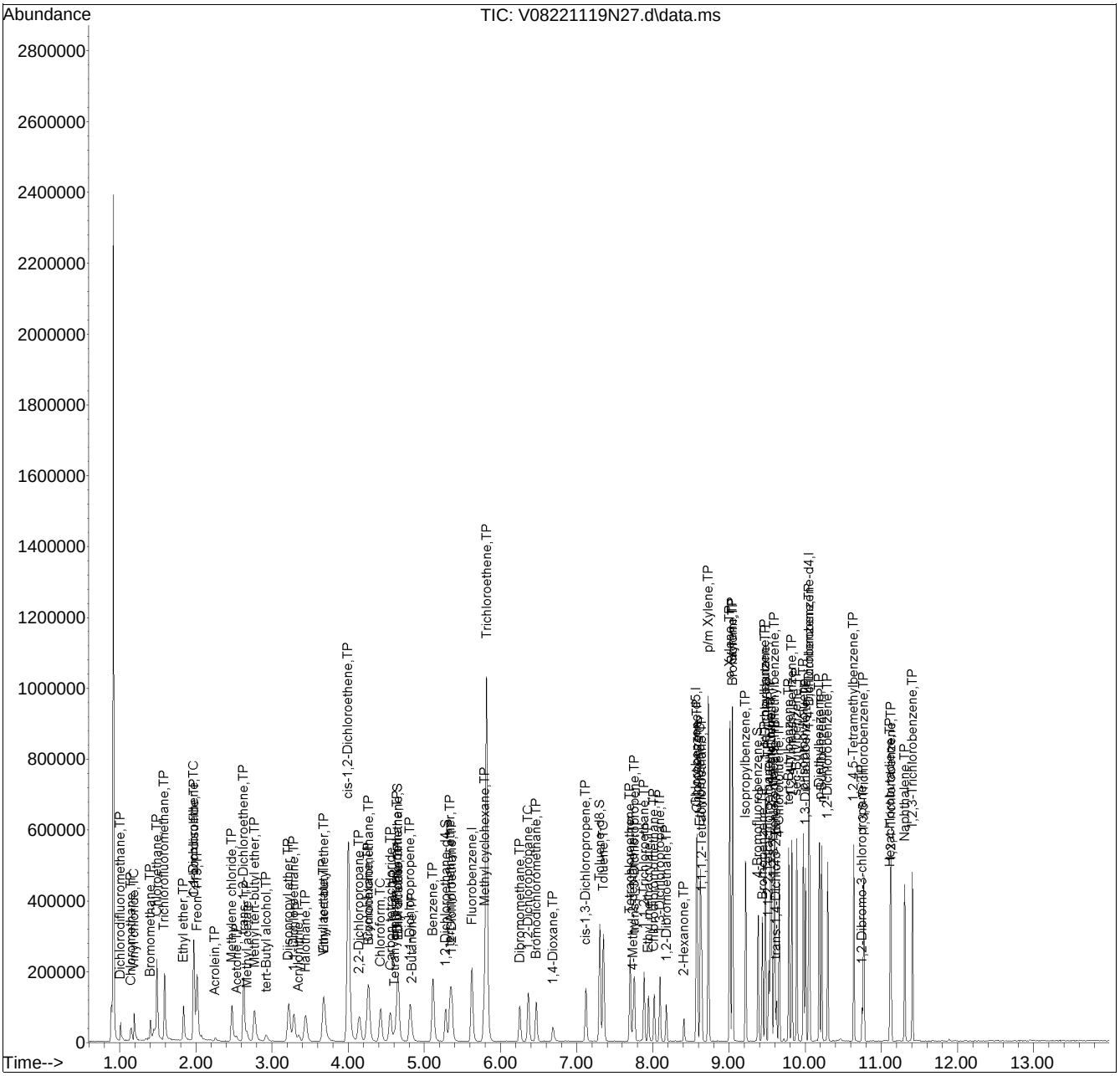
(#) = qualifier out of range (m) = manual integration (+) = signals summed

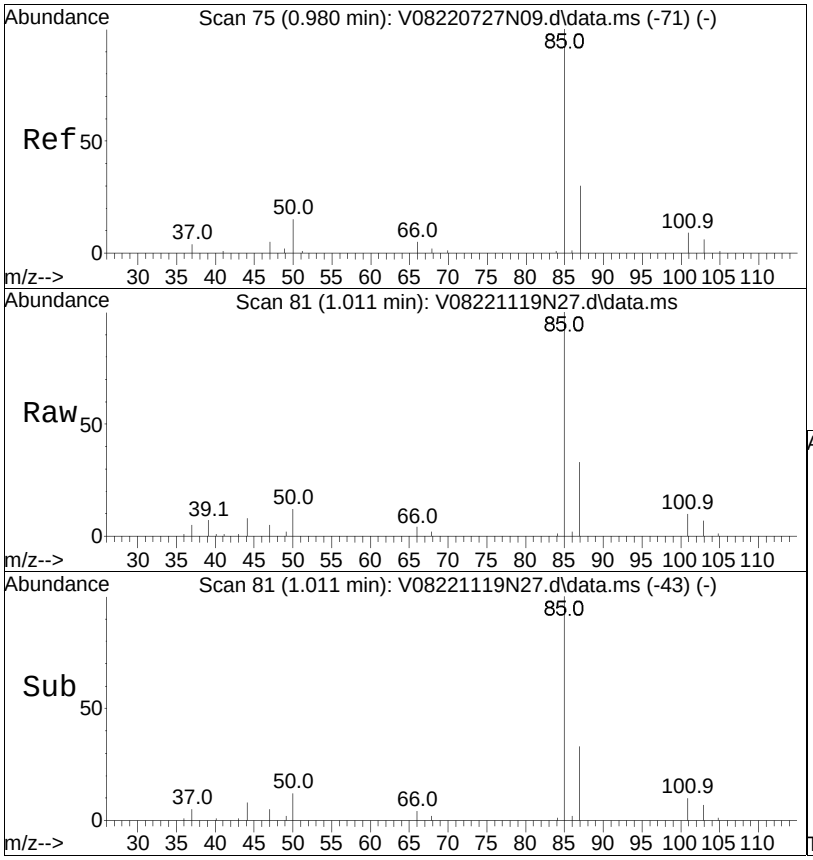
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N27.d
Acq On : 20 Nov 2022 3:44 am
Operator : VOA108:PID
Sample : WG1714899-6,31,10,10,,A1
Misc : WG1714899,ICAL19477
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 21 12:08:24 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

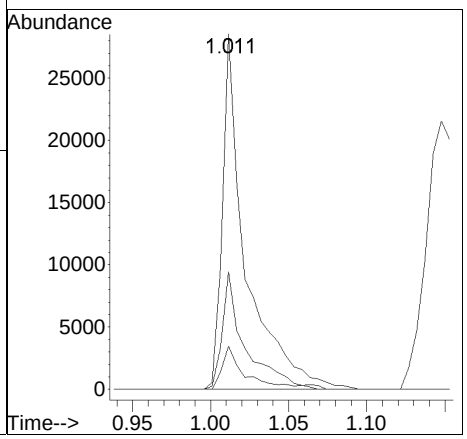


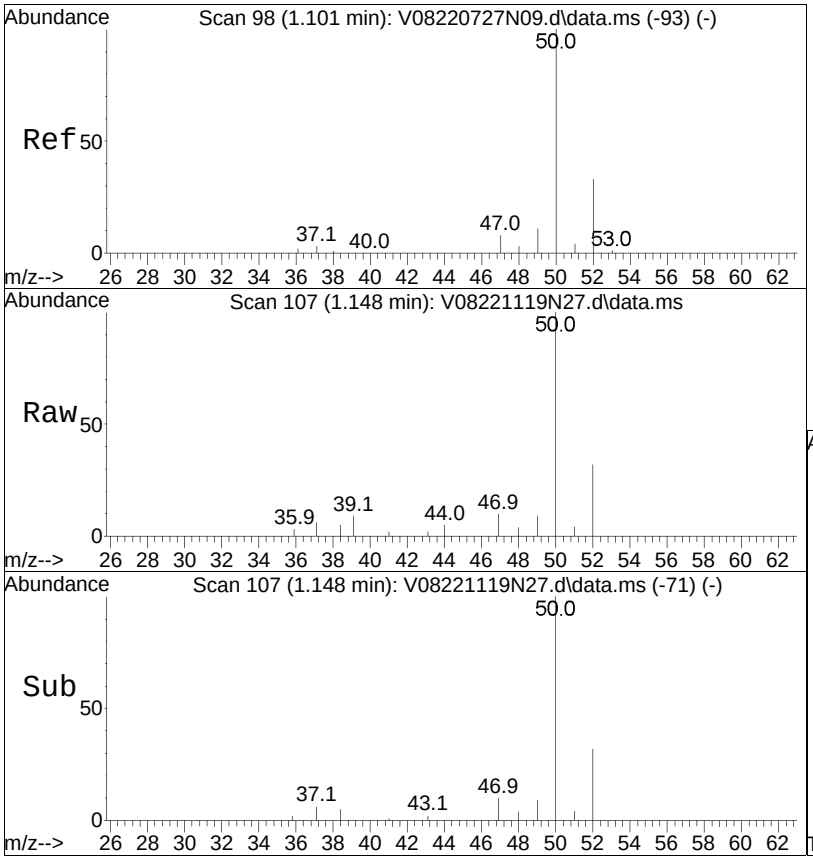


#2
Dichlorodifluoromethane
Concen: 8.03 ug/L
RT: 1.011 min Scan# 81
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 85 Resp: 29823

Ion	Ratio	Lower	Upper
85	100		
87	32.8	21.0	43.6
50	12.2	8.9	18.5

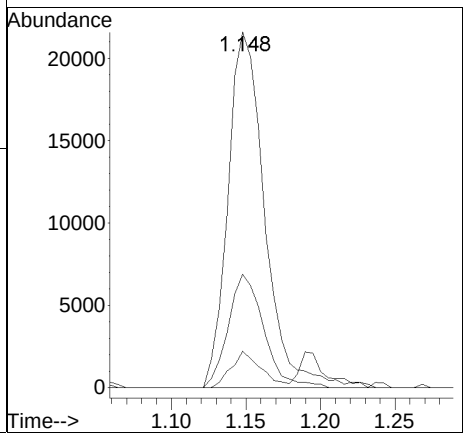


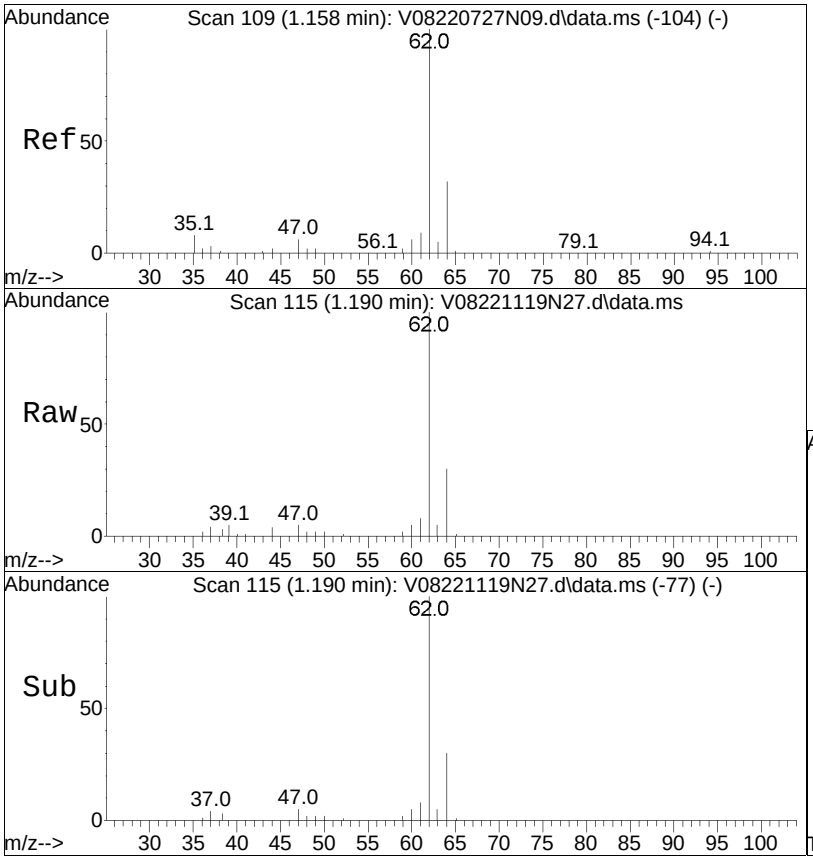


#3
Chloromethane
Concen: 8.92 ug/L
RT: 1.148 min Scan# 107
Delta R.T. -0.010 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 50 Resp: 37040

Ion	Ratio	Lower	Upper
50	100		
52	30.6	12.9	52.9
47	8.3	0.0	28.3

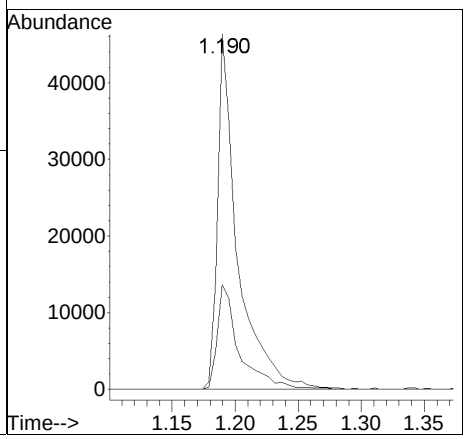


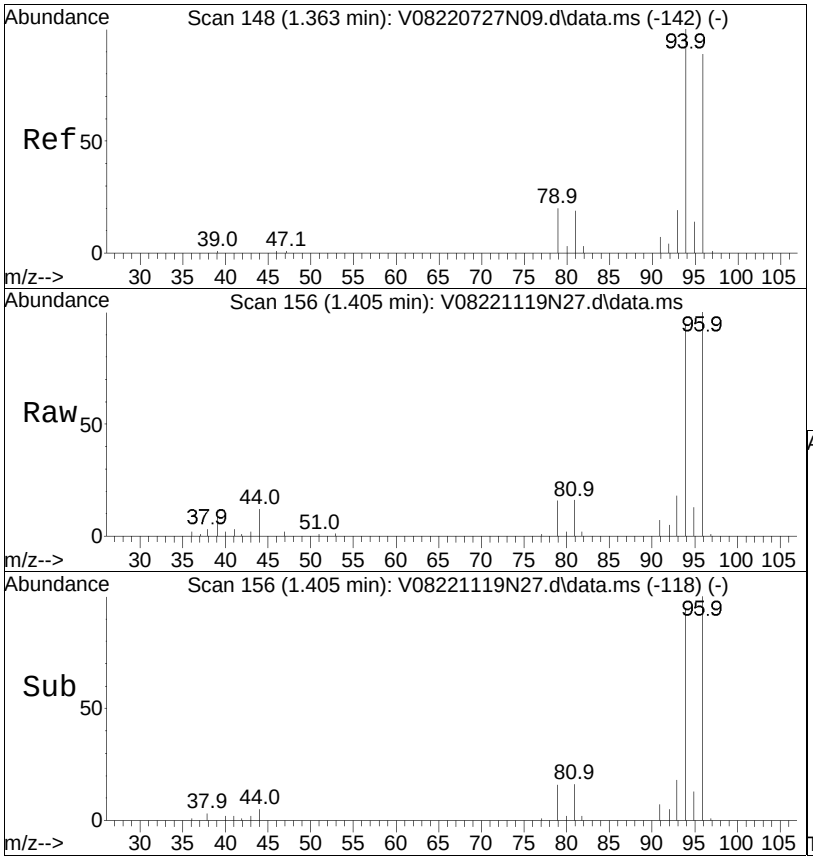


#4
Vinyl chloride
Concen: 11.47 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 62 Resp: 51307

Ion	Ratio	Lower	Upper
62	100		
64	32.8	9.1	49.1

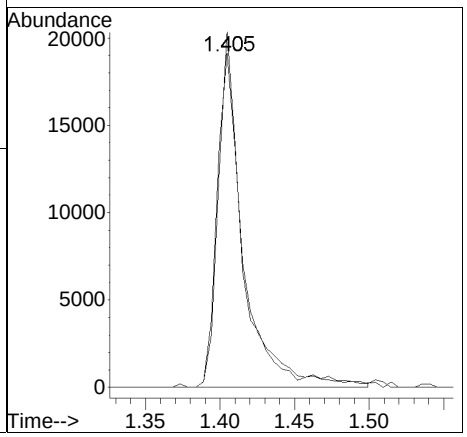


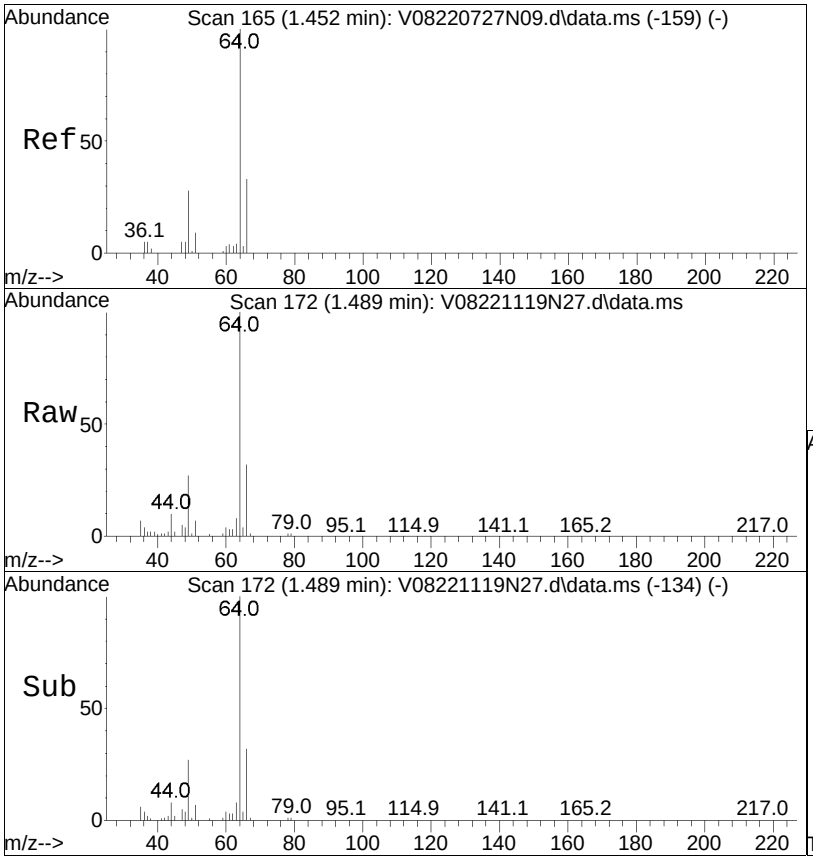


#5
Bromomethane
Concen: 5.56 ug/L
RT: 1.405 min Scan# 156
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 94 Resp: 24176

Ion	Ratio	Lower	Upper
94	100		
96	91.7	75.6	115.6

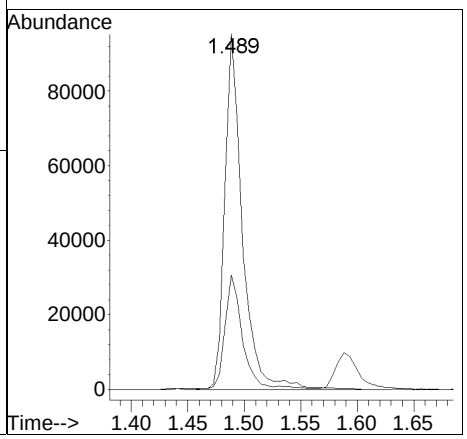


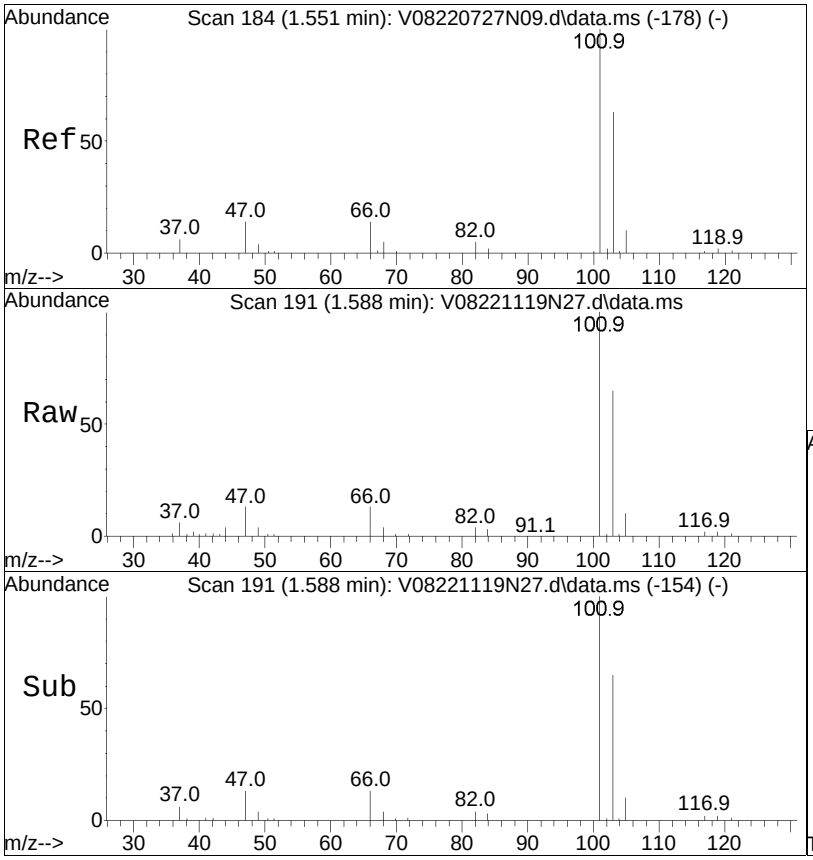


#6
Chloroethane
Concen: 22.64 ug/L
RT: 1.489 min Scan# 172
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 64 Resp: 103583

Ion	Ratio	Lower	Upper
64	100		
66	31.4	9.8	49.8

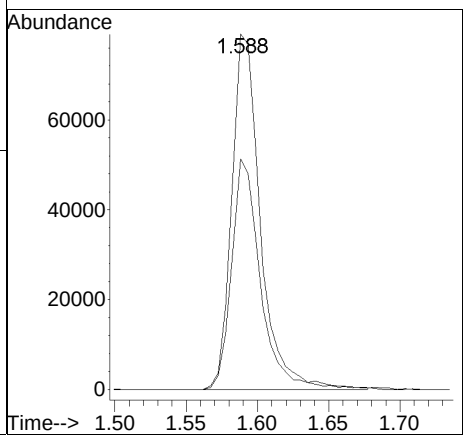


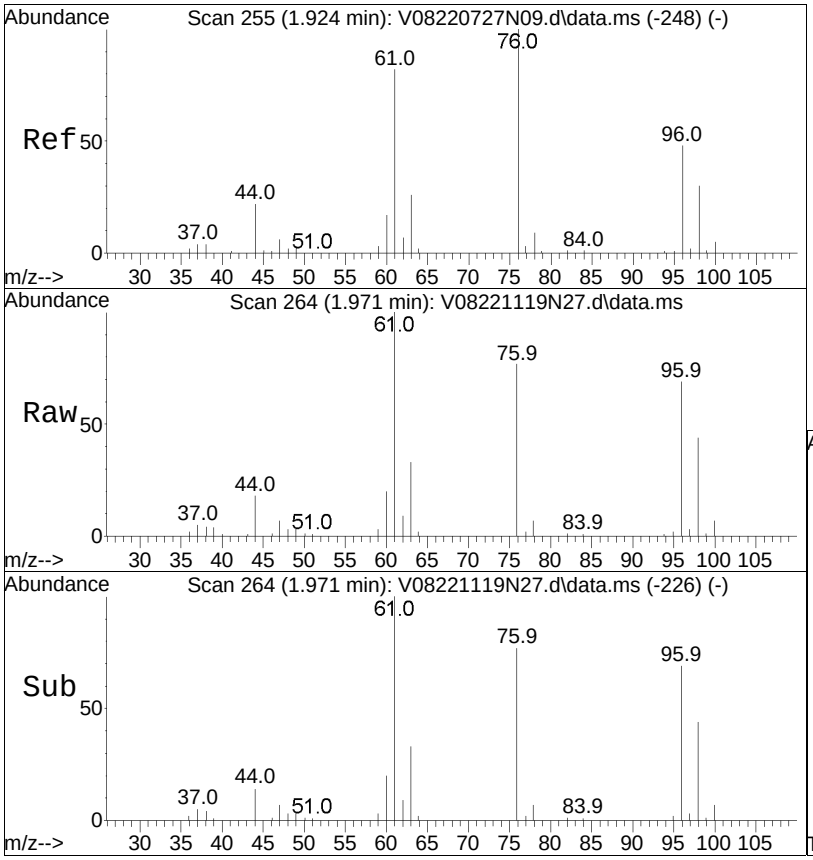


#7
Trichlorofluoromethane
Concen: 11.08 ug/L
RT: 1.588 min Scan# 191
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:101 Resp: 110680

Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.8	80.6

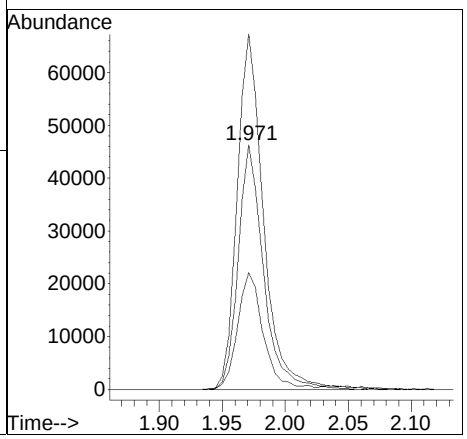


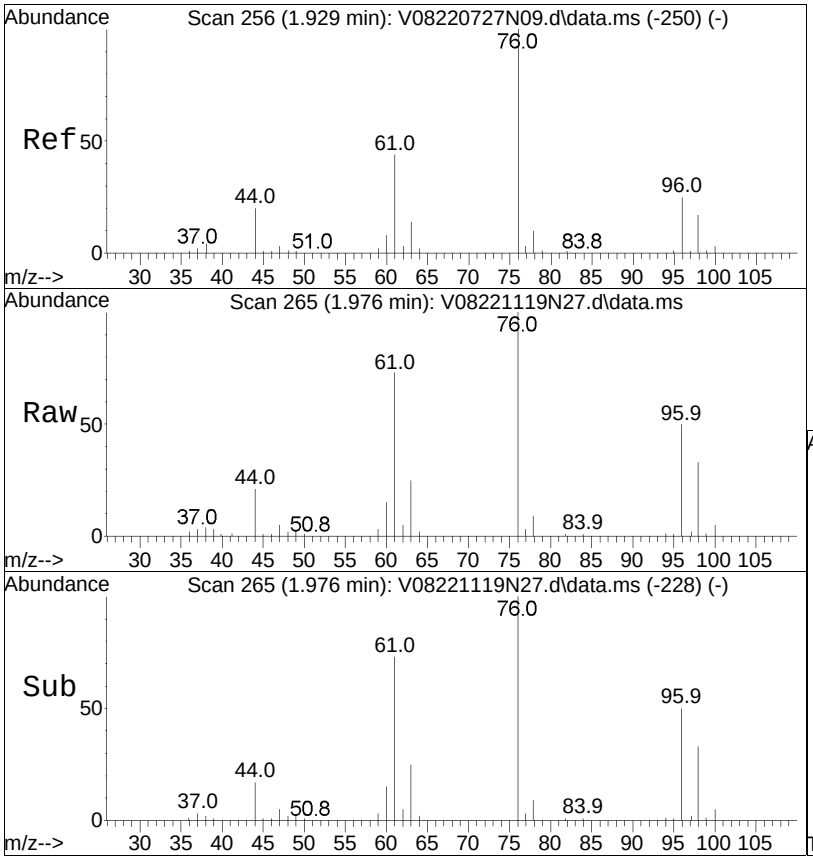


#10
1,1-Dichloroethene
Concen: 11.08 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 96 Resp: 65367

Ion	Ratio	Lower	Upper
96	100		
61	149.9	186.1	279.1#
63	48.7	57.6	86.4#

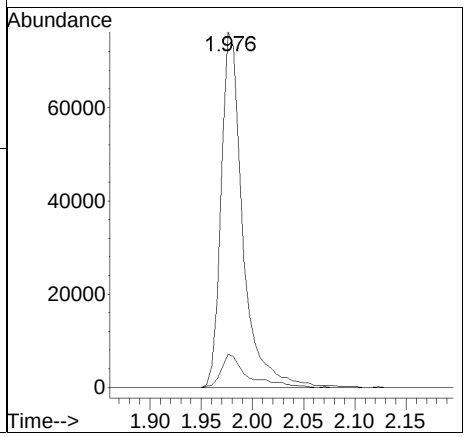


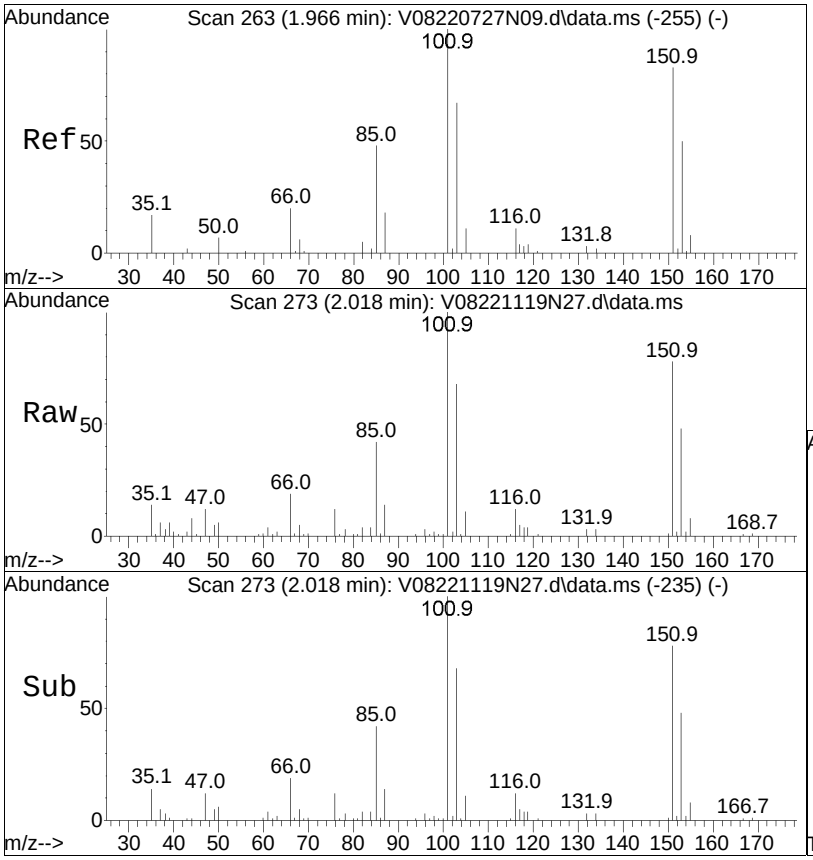


#11
Carbon disulfide
Concen: 10.99 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 76 Resp: 112507

Ion	Ratio	Lower	Upper
76	100		
78	11.3	5.7	11.7

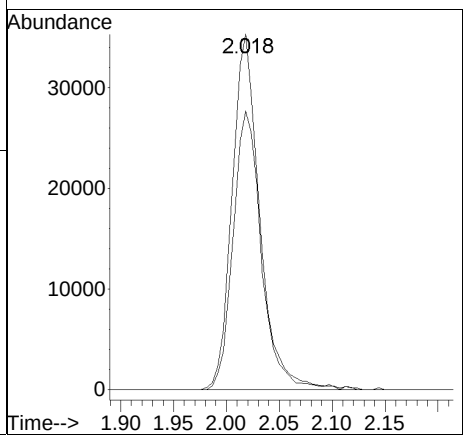


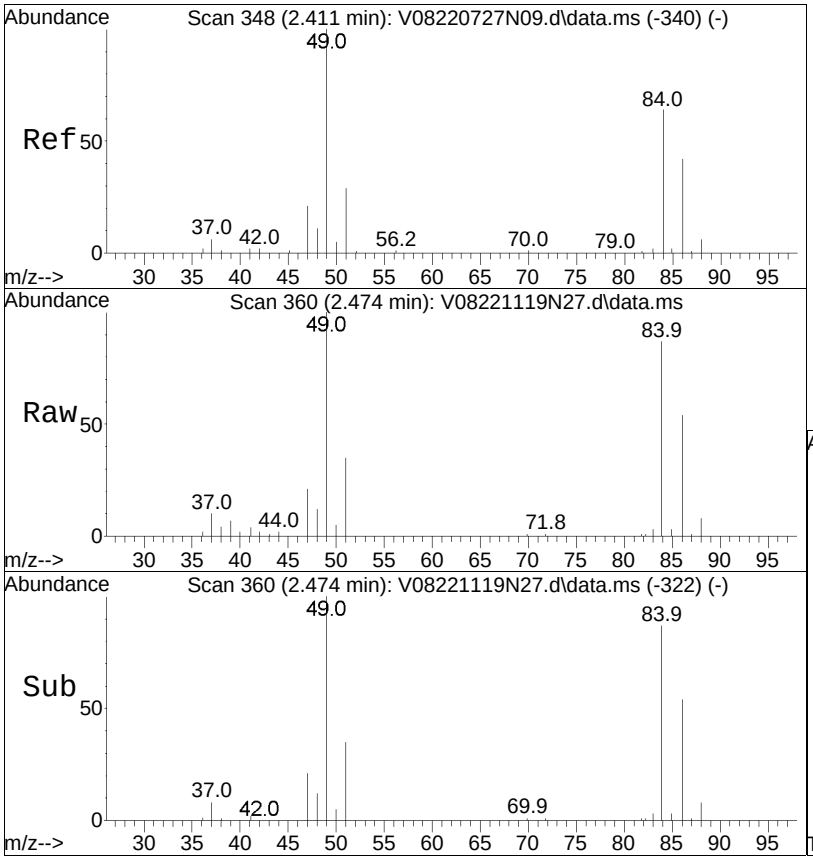


#12
Freon-113
Concen: 10.59 ug/L
RT: 2.018 min Scan# 273
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:101 Resp: 64166

Ion	Ratio	Lower	Upper
101	100		
151	80.3	59.8	89.8

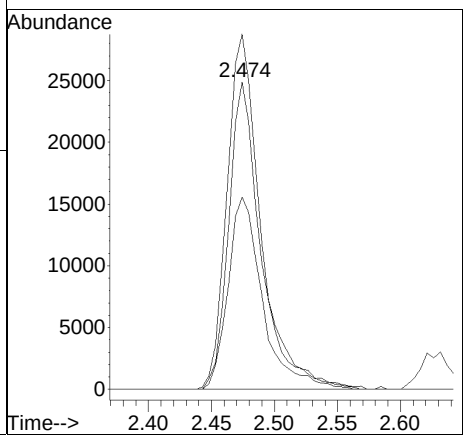


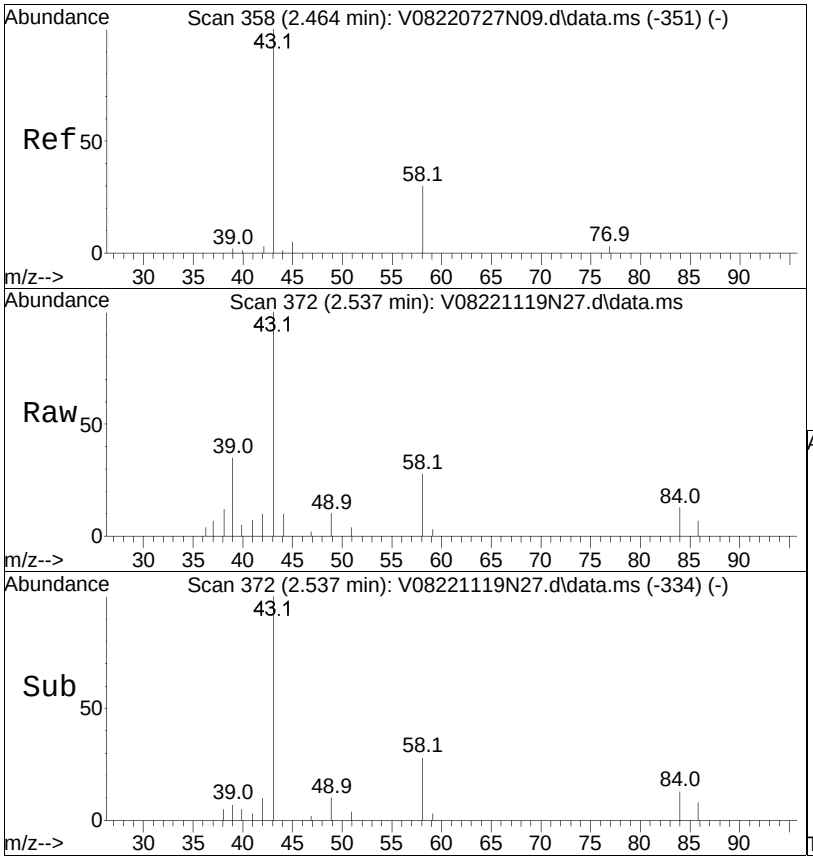


#15
Methylene chloride
Concen: 8.91 ug/L
RT: 2.474 min Scan# 360
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 84 Resp: 44707

Ion	Ratio	Lower	Upper
84	100		
86	66.6	40.4	83.8
49	121.1	120.0	249.2

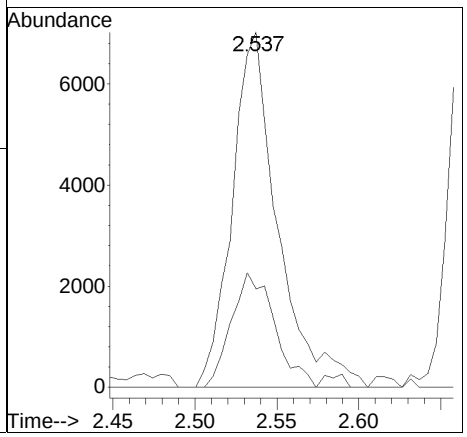


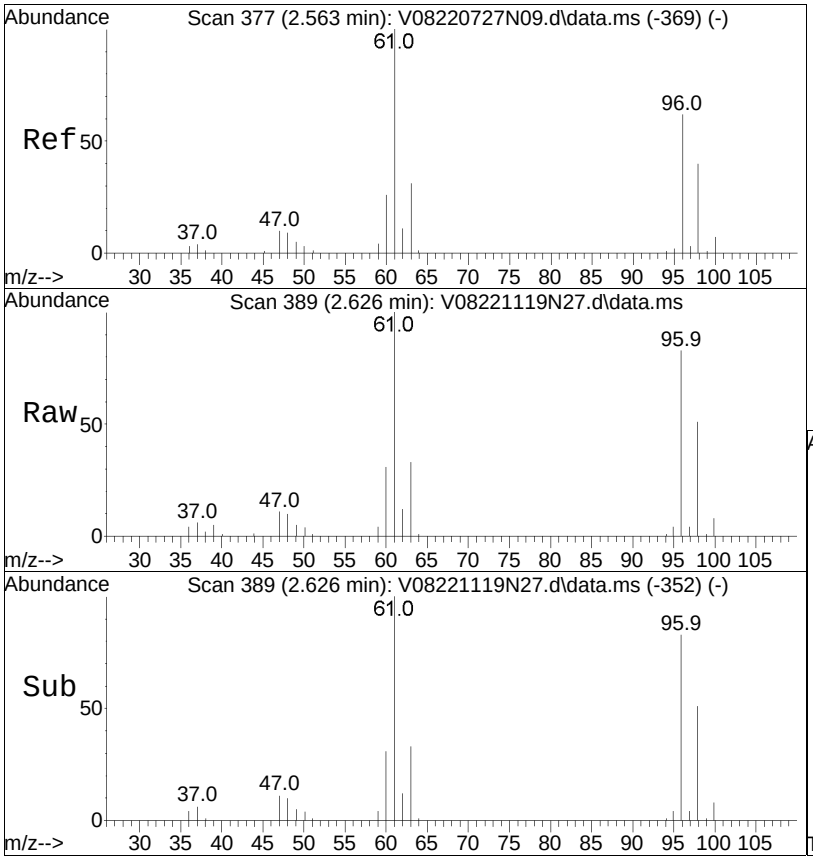


#17
Acetone
Concen: 9.89 ug/L
RT: 2.537 min Scan# 372
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 43 Resp: 13612

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.2	36.4

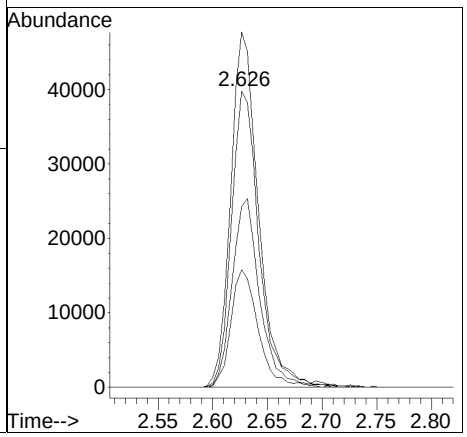


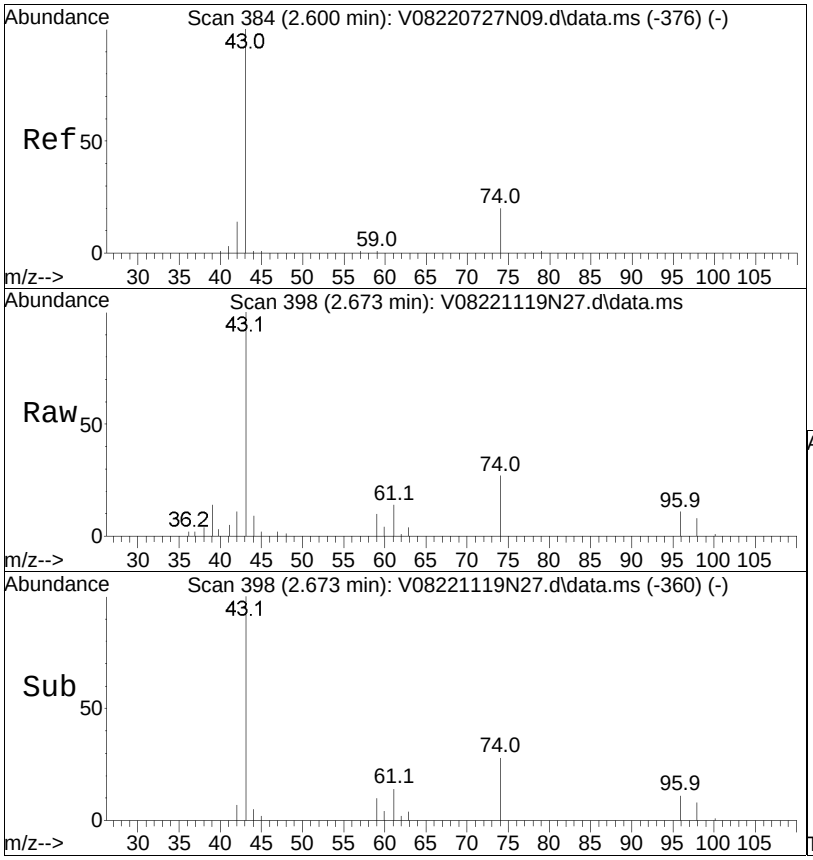


#18
trans-1,2-Dichloroethene
Concen: 14.74 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 96 Resp: 70529

Ion	Ratio	Lower	Upper
96	100		
61	120.8	124.0	257.6#
98	63.8	41.2	85.6
63	39.4	38.4	79.7

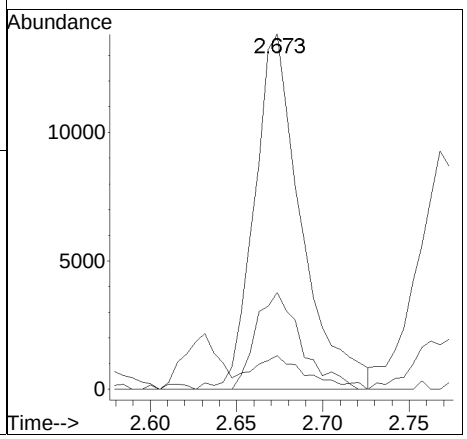


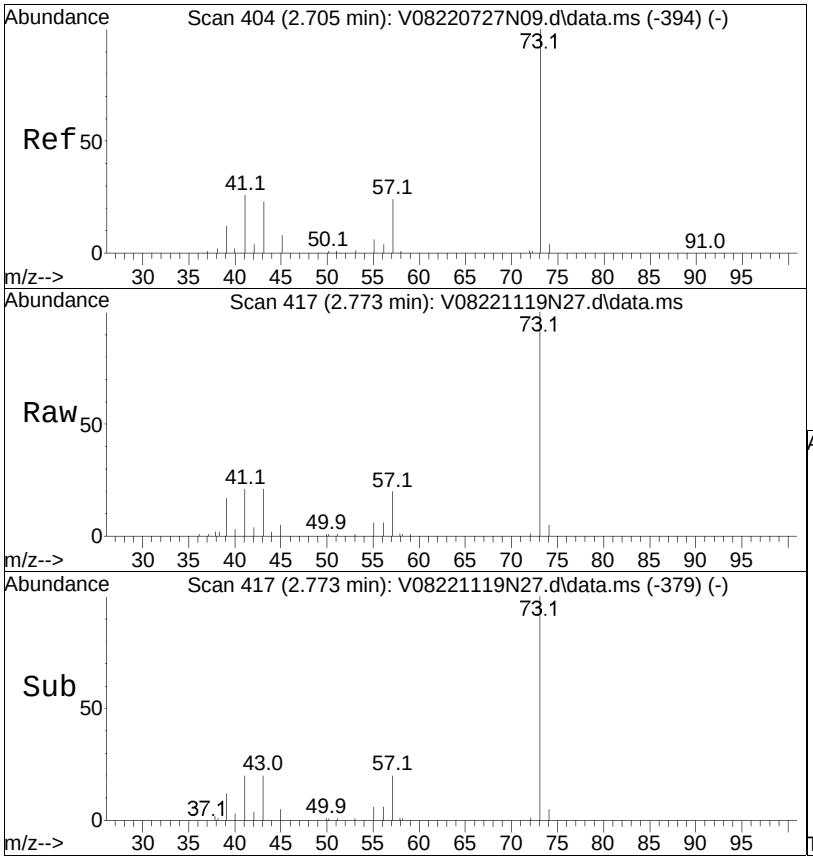


#19
Methyl acetate
Concen: 7.60 ug/L
RT: 2.673 min Scan# 398
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 43 Resp: 26190

Ion	Ratio	Lower	Upper
43	100		
74	26.9	14.2	21.4#
59	10.0	5.0	7.6#

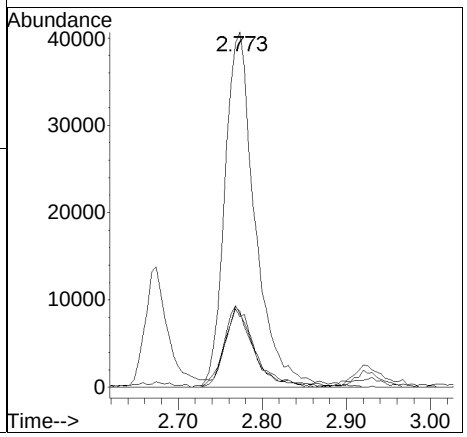


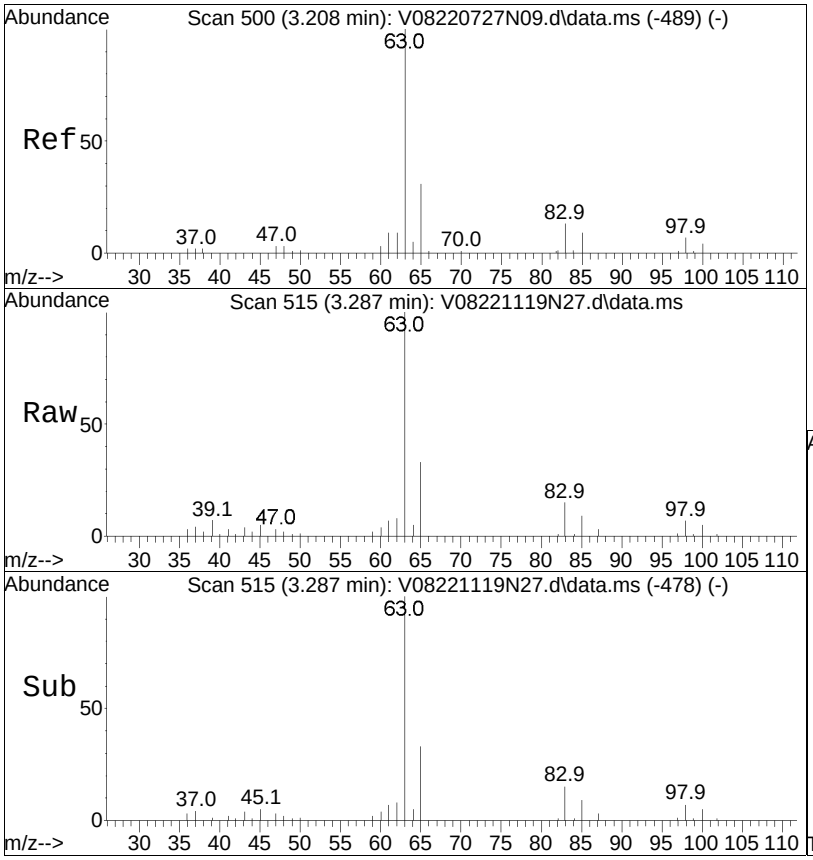


#20
Methyl tert-butyl ether
Concen: 8.02 ug/L
RT: 2.773 min Scan# 417
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 73 Resp: 102800

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.5	36.3
43	21.8	15.3	31.9
41	23.3	15.3	31.7

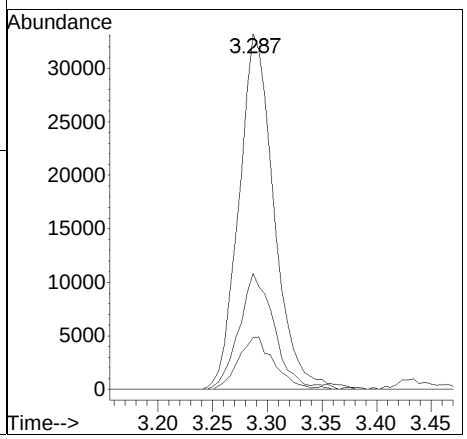


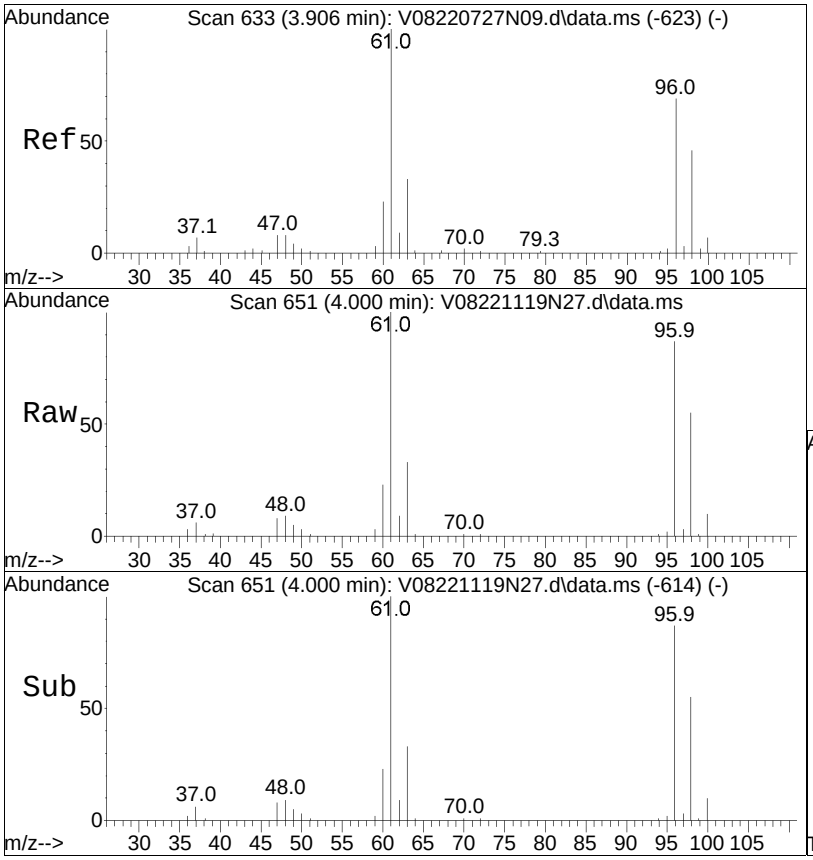


#23
1,1-Dichloroethane
Concen: 9.63 ug/L
RT: 3.287 min Scan# 515
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 63 Resp: 74391

Ion	Ratio	Lower	Upper
63	100		
65	32.2	11.0	51.0
83	15.2	0.0	31.8

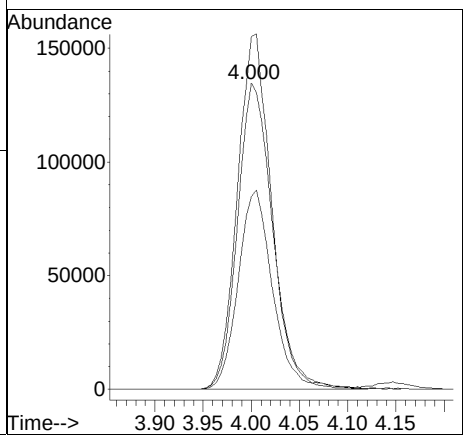


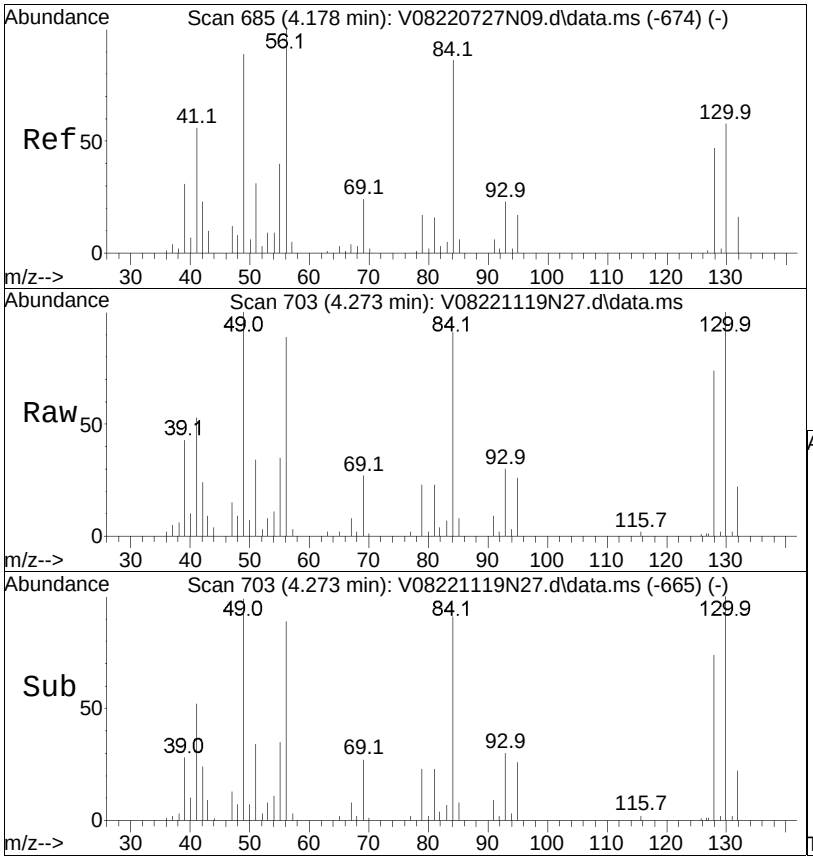


#28
cis-1,2-Dichloroethene
Concen: 61.77 ug/L
RT: 4.000 min Scan# 651
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 96 Resp: 341487

Ion	Ratio	Lower	Upper
96	100		
61	113.9	149.4	224.2#
98	64.1	53.4	80.2

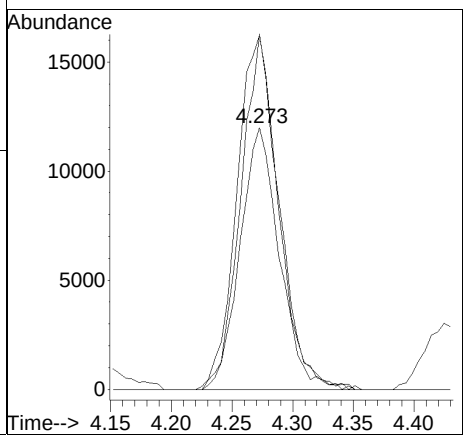


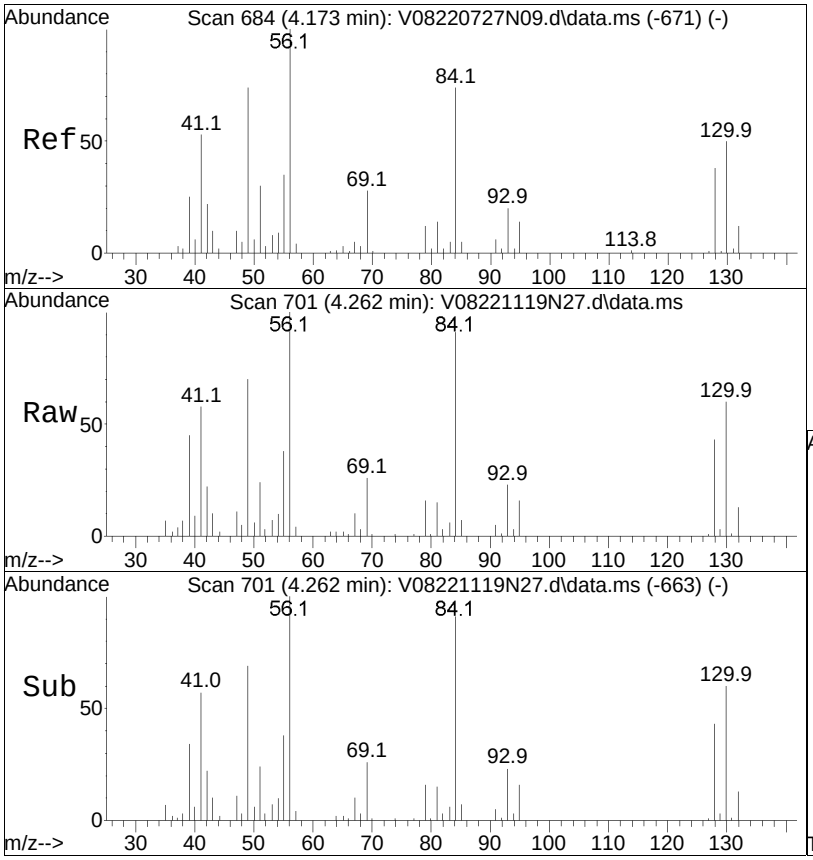


#30
Bromochloromethane
Concen: 8.87 ug/L
RT: 4.273 min Scan# 703
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:128 Resp: 27097

Ion	Ratio	Lower	Upper
128	100		
49	142.5	223.0	334.4#
130	131.0	111.4	167.0

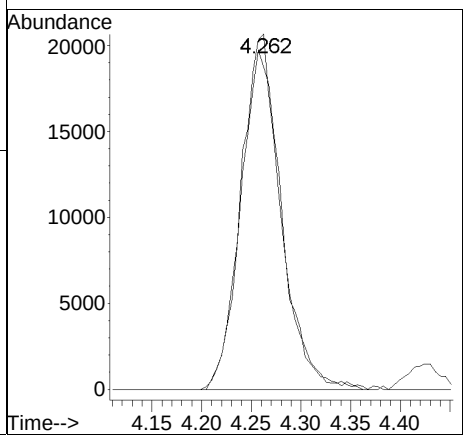


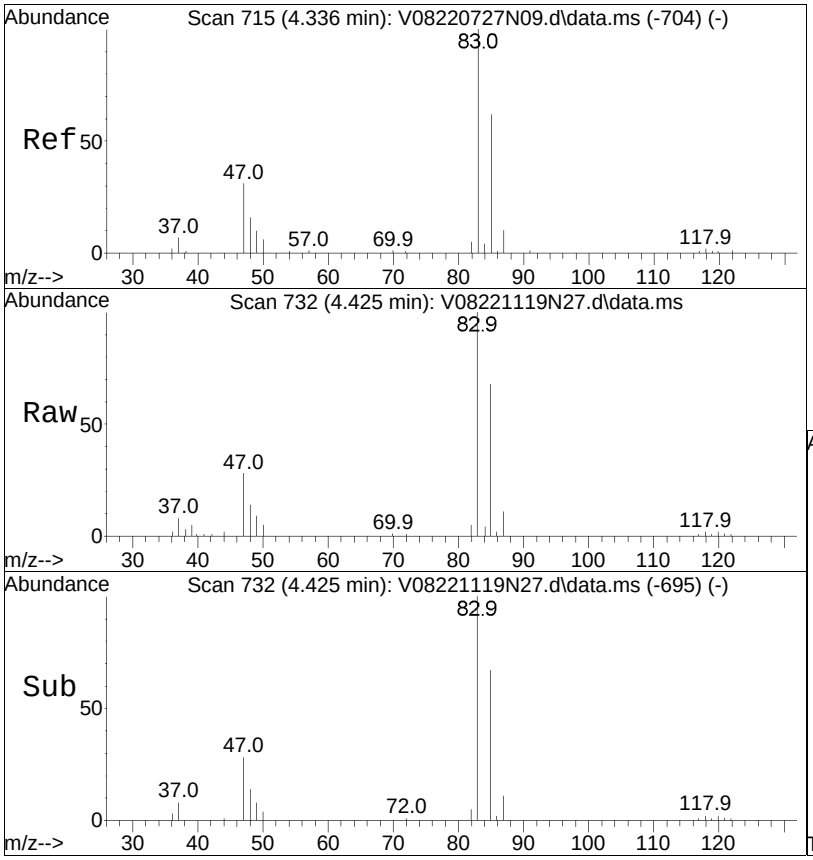


#31
Cyclohexane
Concen: 8.71 ug/L
RT: 4.262 min Scan# 701
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 56 Resp: 57814

Ion	Ratio	Lower	Upper
56	100		
84	97.4	38.4	79.8#

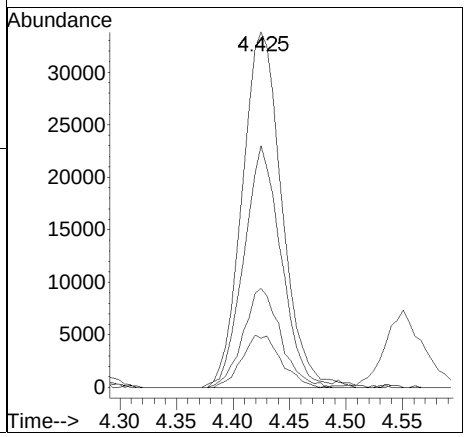


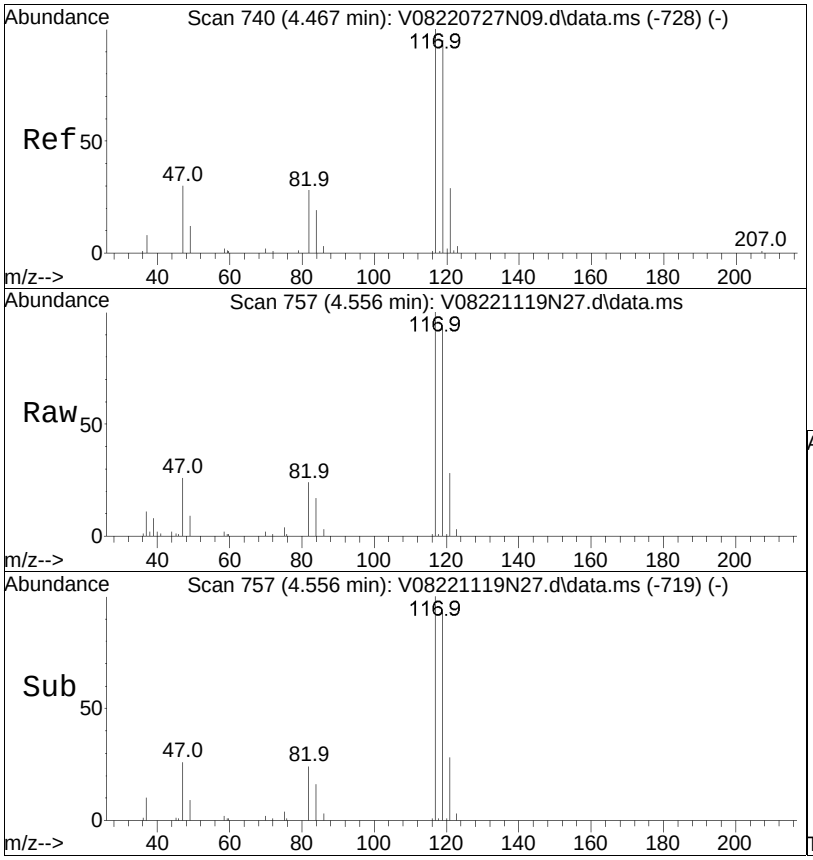


#32
Chloroform
Concen: 9.38 ug/L
RT: 4.425 min Scan# 732
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 83 Resp: 82704

Ion	Ratio	Lower	Upper
83	100		
85	64.0	41.5	86.1
47	26.4	19.0	39.4
48	14.5	9.9	20.5

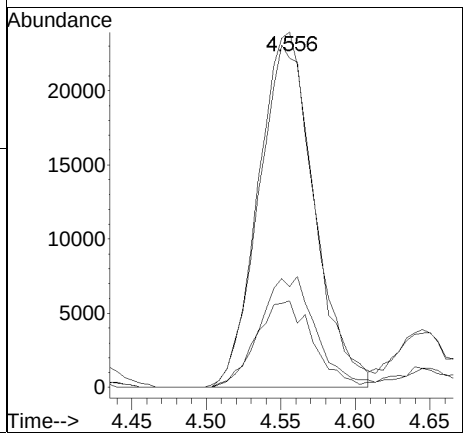


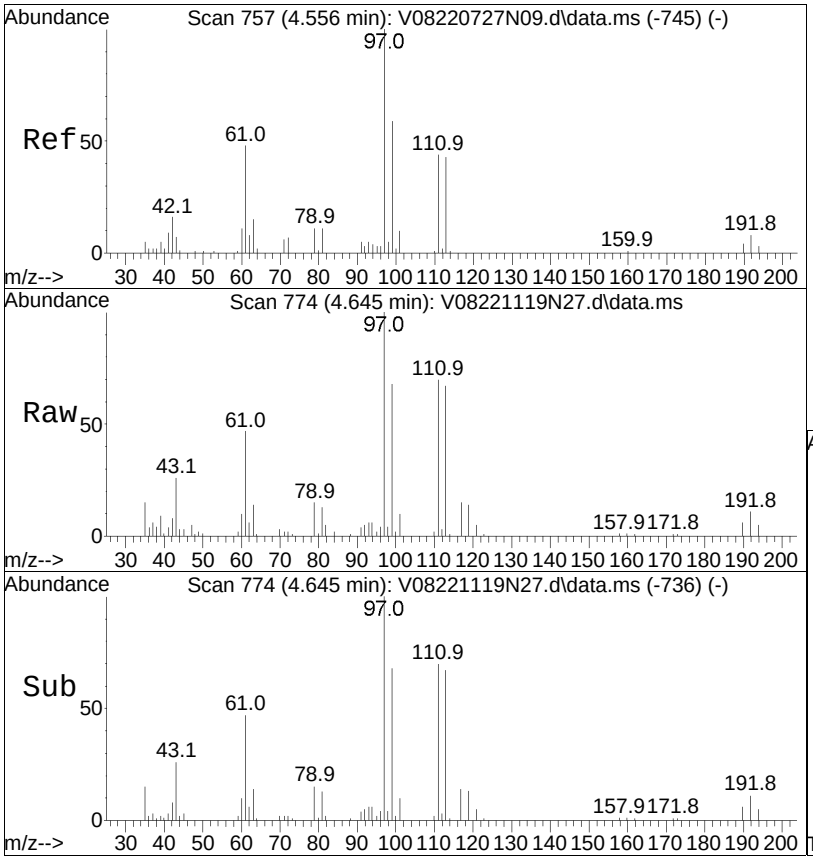


#34
Carbon tetrachloride
Concen: 8.96 ug/L
RT: 4.556 min Scan# 757
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:117 Resp: 62569

Ion	Ratio	Lower	Upper
117	100		
119	96.6	62.4	129.6
121	31.5	19.5	40.5
82	24.6	17.0	35.4

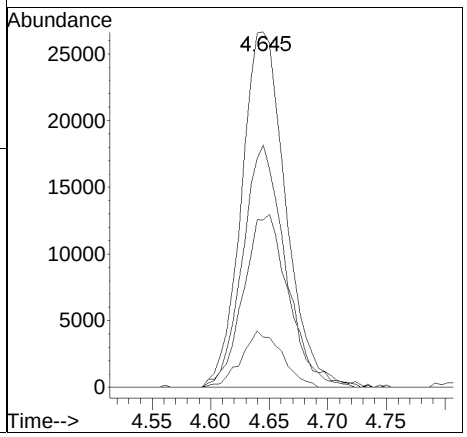


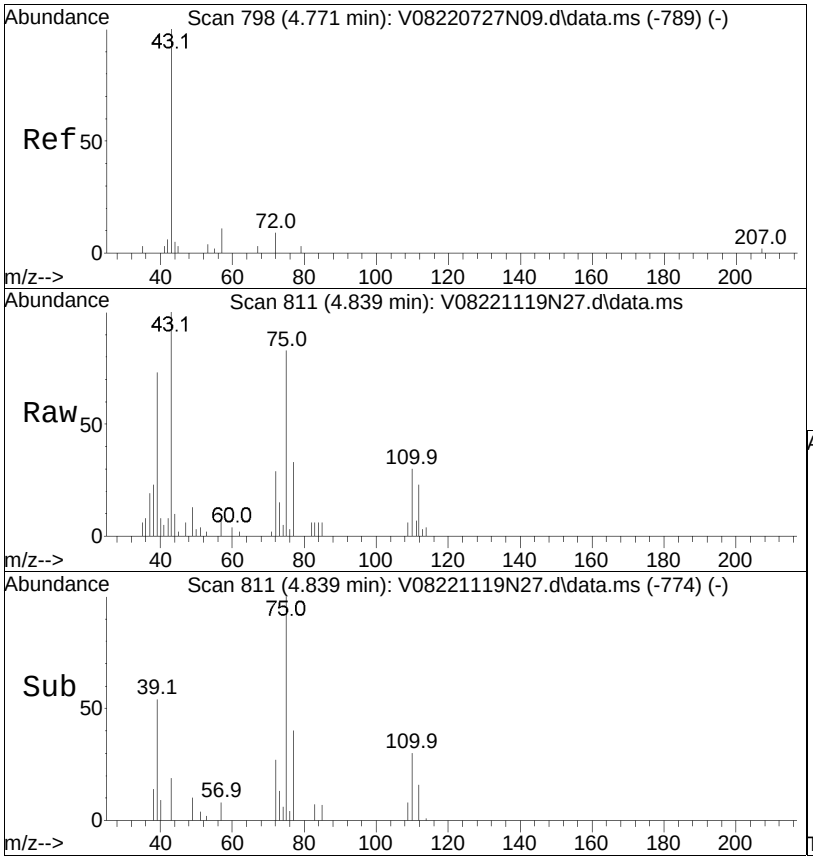


#37
1,1,1-Trichloroethane
Concen: 9.09 ug/L
RT: 4.645 min Scan# 774
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 97 Resp: 70265

Ion	Ratio	Lower	Upper
97	100		
99	64.9	40.7	84.5
61	50.8	35.4	73.4
63	14.6	5.0	10.4#

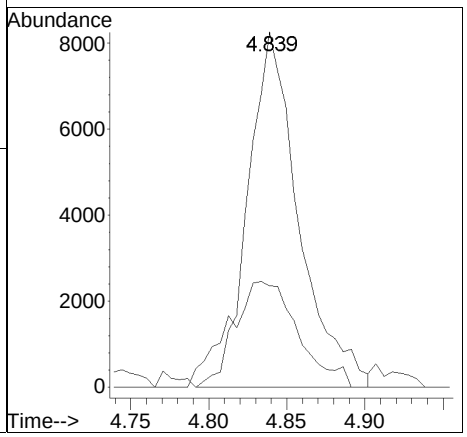


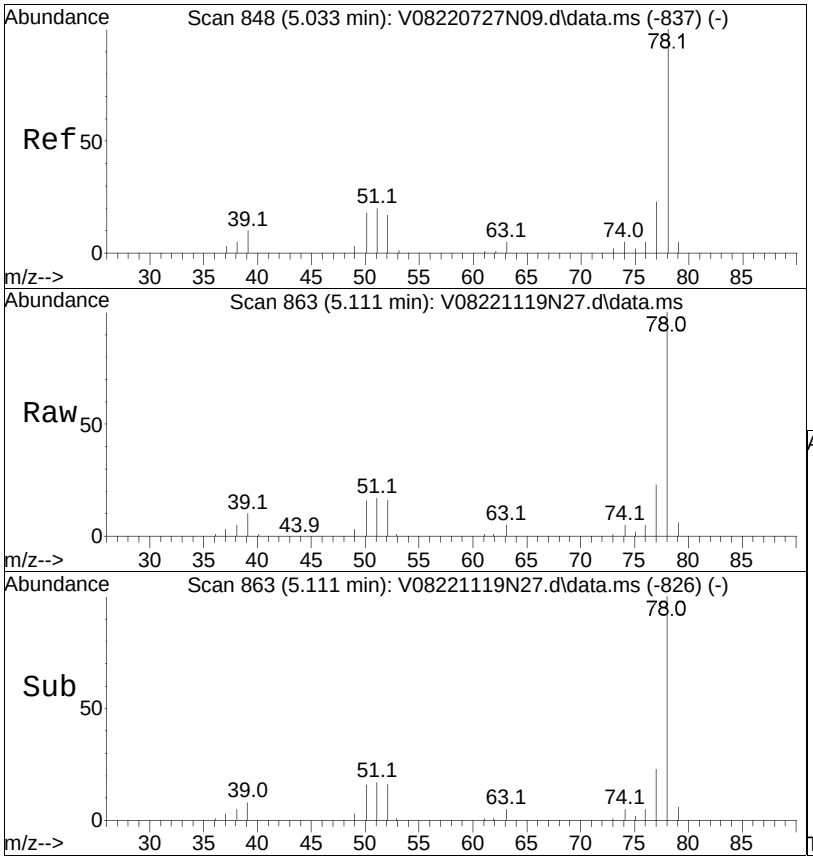


#39
2-Butanone
Concen: 8.13 ug/L
RT: 4.839 min Scan# 811
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 43 Resp: 18626

Ion	Ratio	Lower	Upper
43	100		
72	41.3	10.9	16.3#

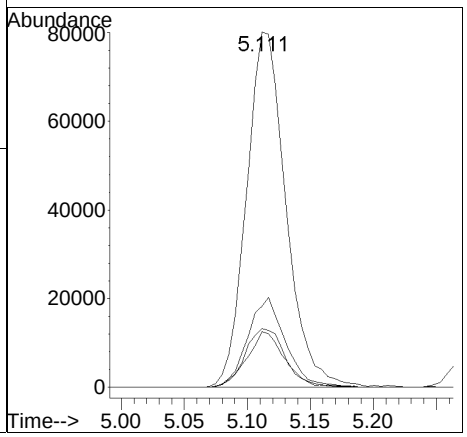


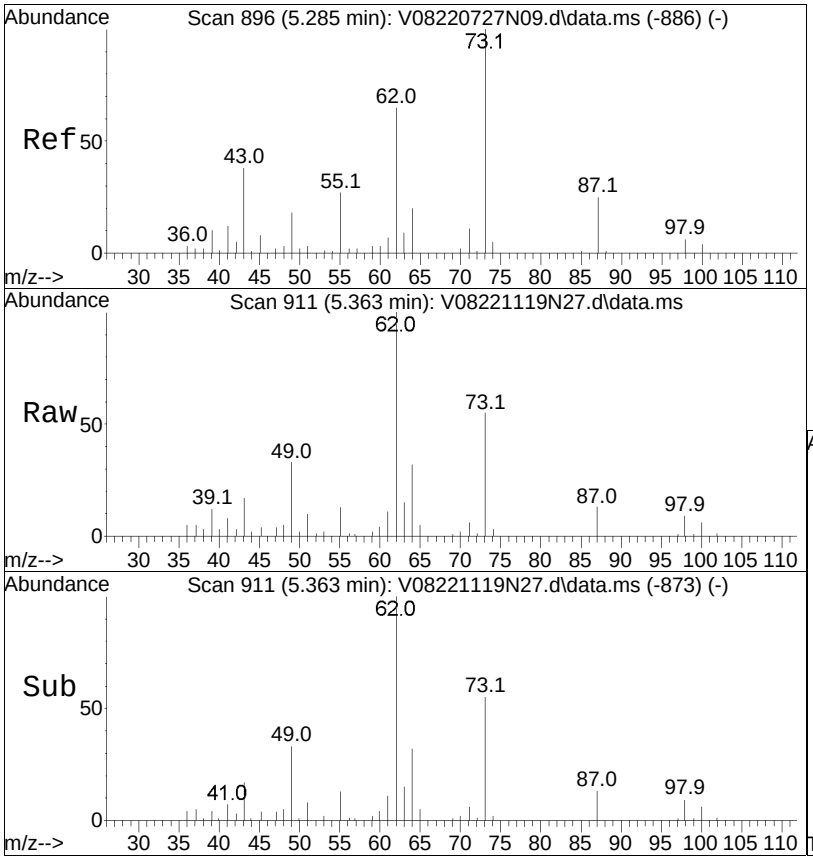


#41
Benzene
Concen: 9.48 ug/L
RT: 5.111 min Scan# 863
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 78 Resp: 174844

Ion	Ratio	Lower	Upper
78	100		
77	24.3	15.7	32.7
51	17.2	16.0	33.2
52	15.1	15.3	31.9#

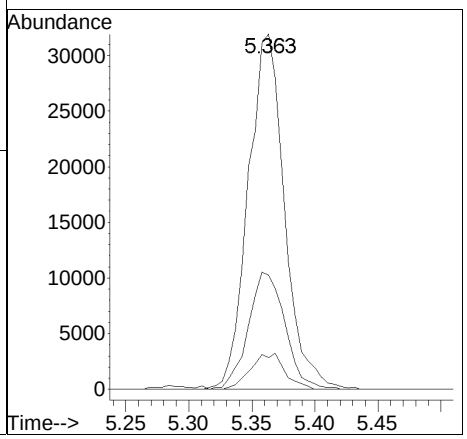


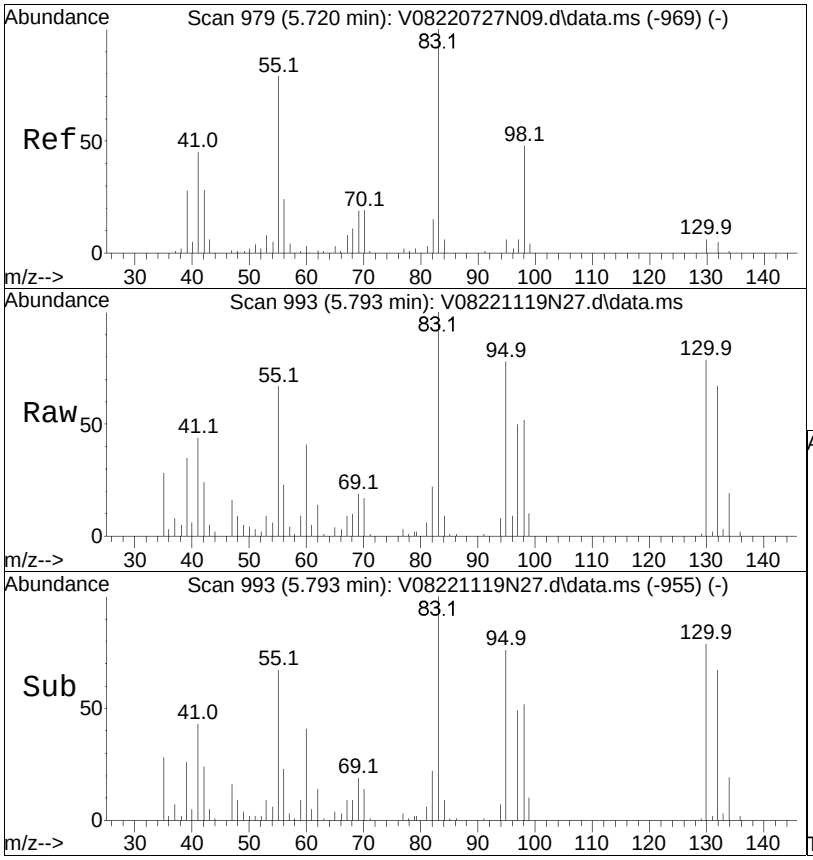


#44
1,2-Dichloroethane
Concen: 9.29 ug/L
RT: 5.363 min Scan# 911
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 62 Resp: 63966

Ion	Ratio	Lower	Upper
62	100		
64	33.4	11.2	51.2
98	9.6	0.0	26.1

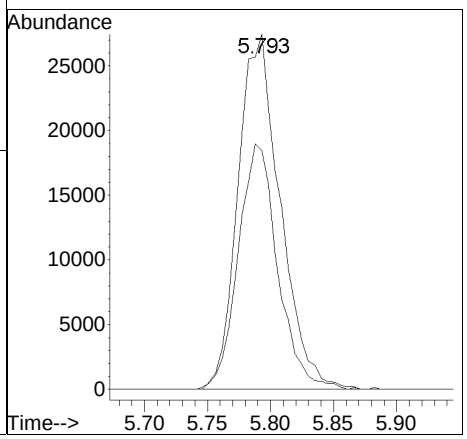


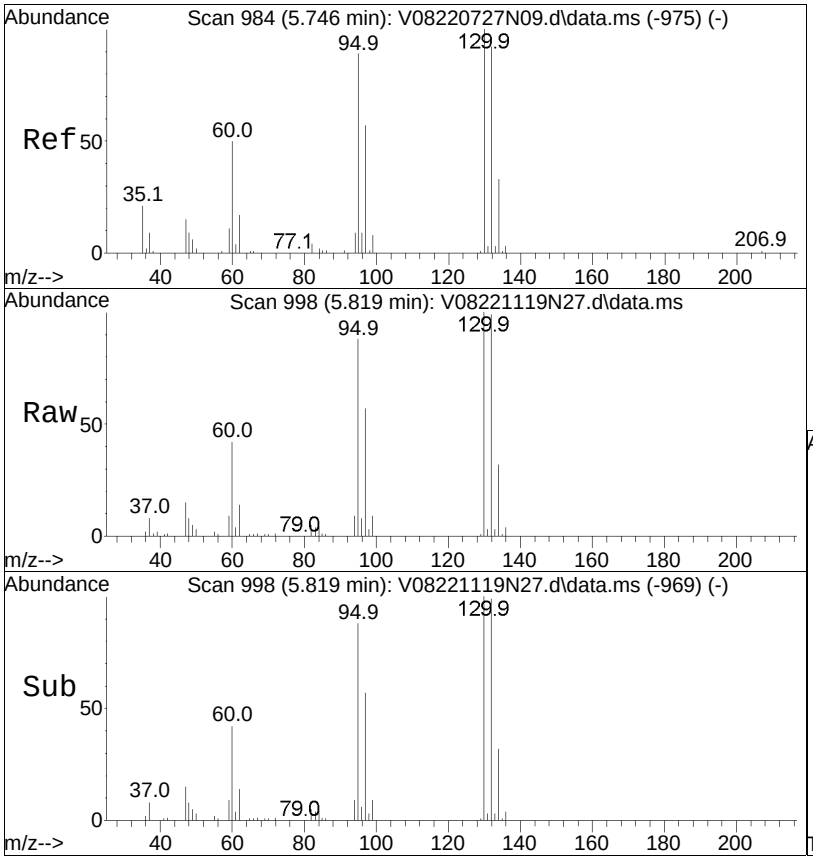


#47
Methyl cyclohexane
Concen: 8.29 ug/L
RT: 5.793 min Scan# 993
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 83 Resp: 63823

Ion	Ratio	Lower	Upper
83	100		
55	64.9	88.3	132.5#

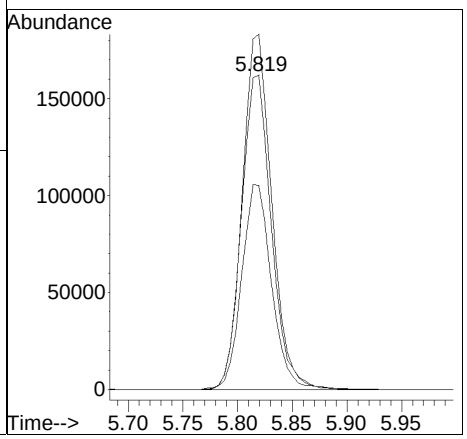


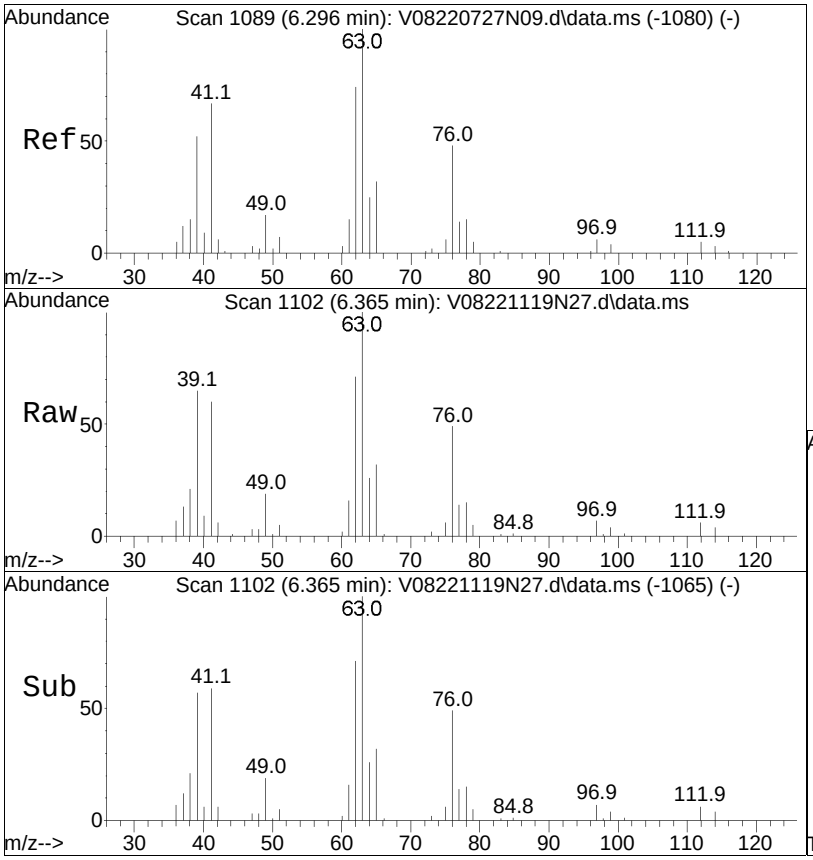


#48
Trichloroethene
Concen: 57.57 ug/L
RT: 5.819 min Scan# 998
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 95 Resp: 308697

Ion	Ratio	Lower	Upper
95	100		
97	65.2	55.5	83.3
130	111.5	76.6	115.0

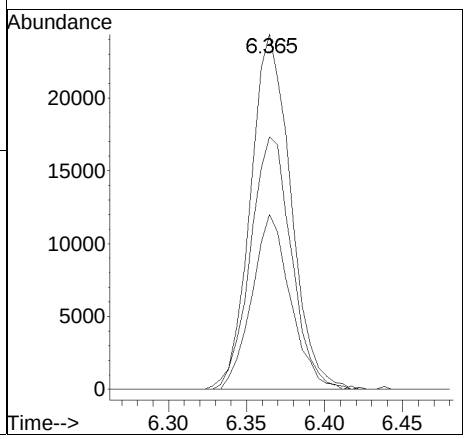


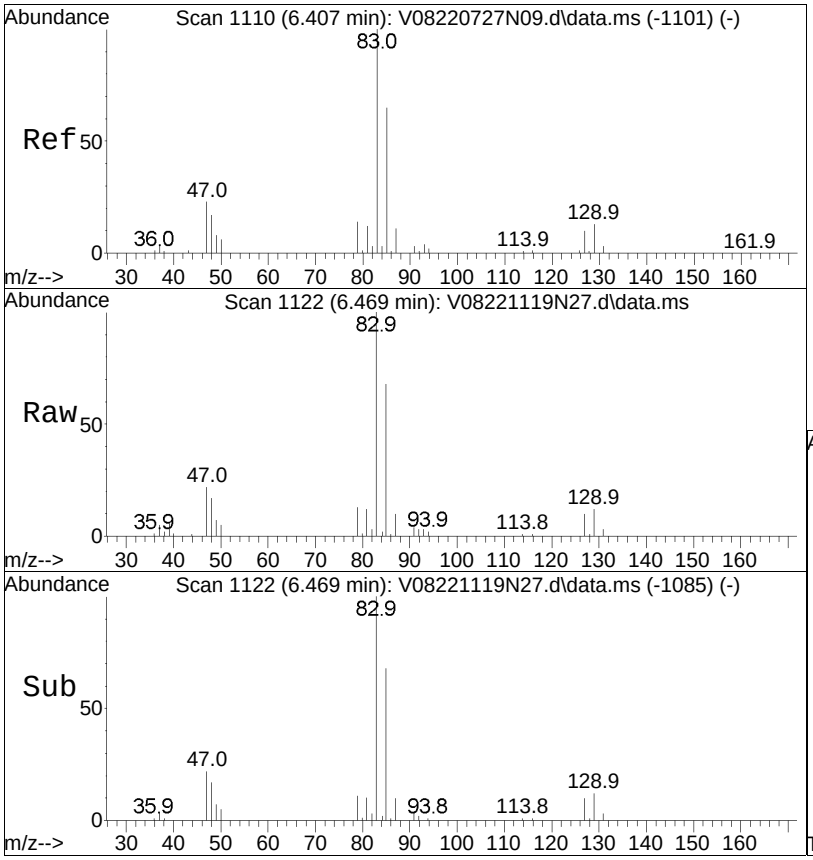


#51
1,2-Dichloropropane
Concen: 9.39 ug/L
RT: 6.365 min Scan# 1102
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 63 Resp: 43757

Ion	Ratio	Lower	Upper
63	100		
62	72.2	58.6	87.8
76	47.3	38.0	57.0

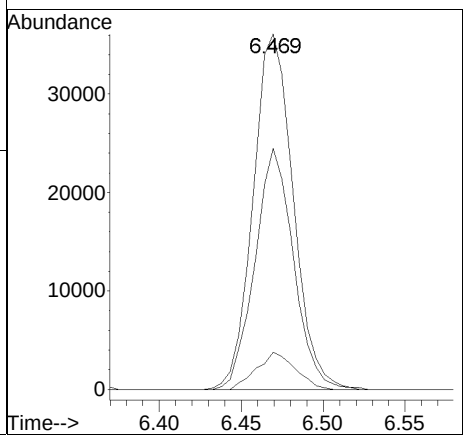


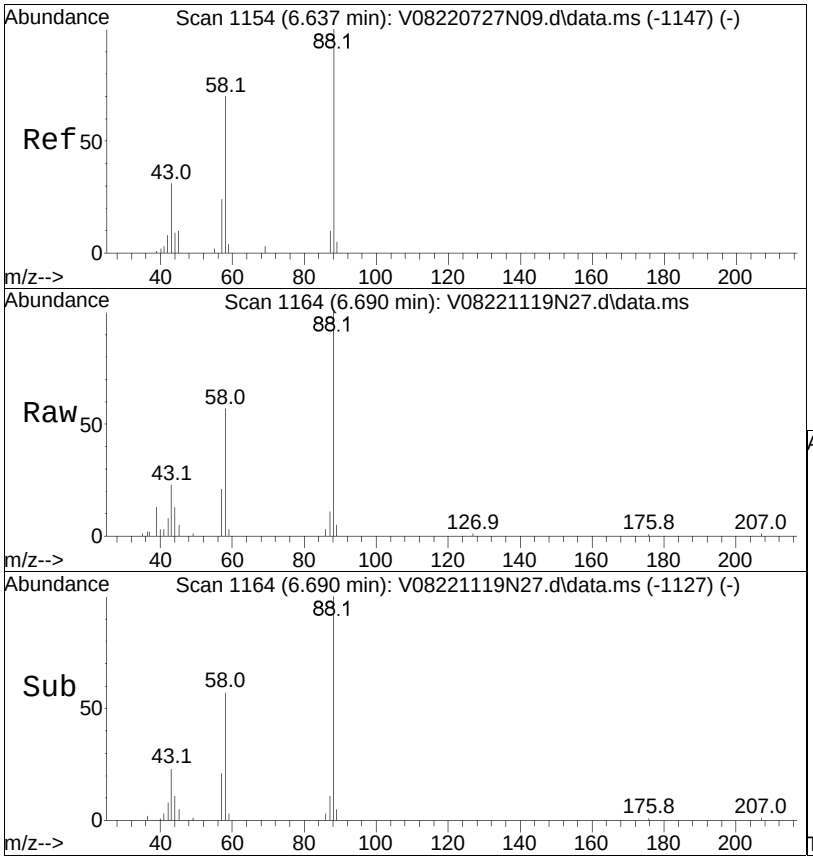


#54
Bromodichloromethane
Concen: 8.80 ug/L
RT: 6.469 min Scan# 1122
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 83 Resp: 61289

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.3	78.5
127	10.1	6.2	9.4#

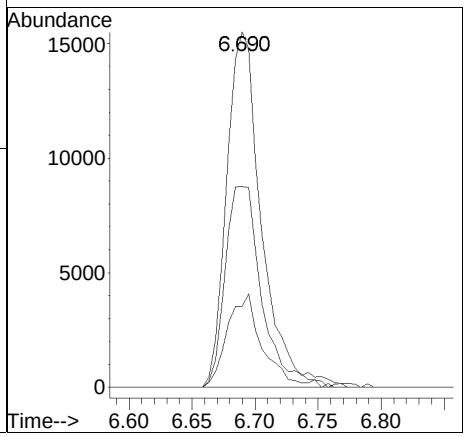


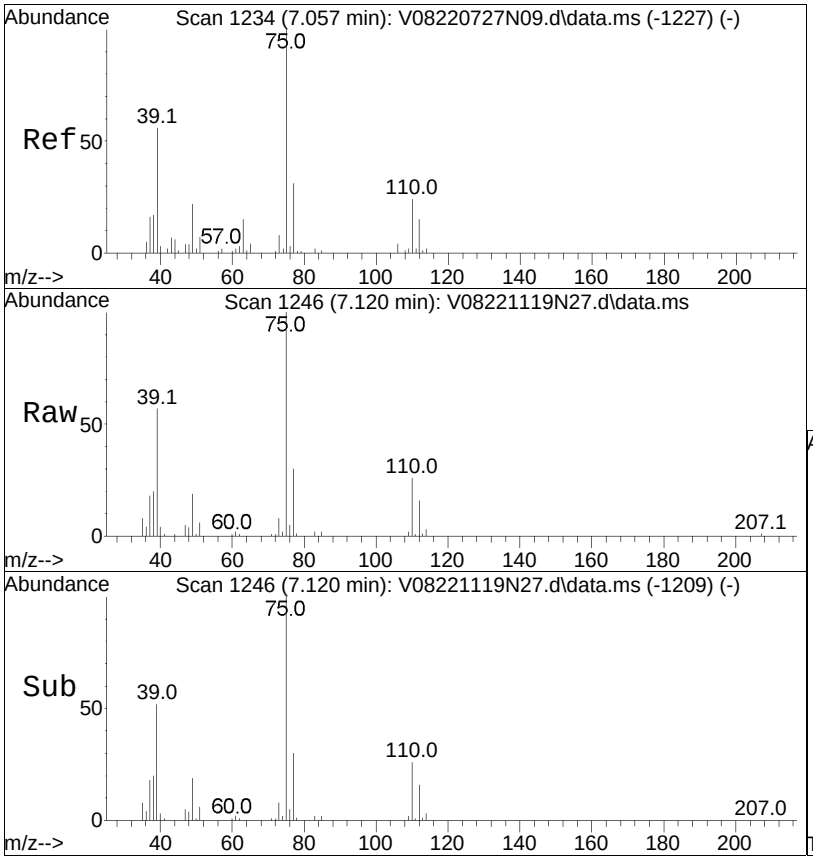


#57
1,4-Dioxane
Concen: 551.82 ug/L
RT: 6.690 min Scan# 1164
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 88 Resp: 29934

Ion	Ratio	Lower	Upper
88	100		
58	59.1	76.7	115.1#
43	26.7	36.2	54.2#

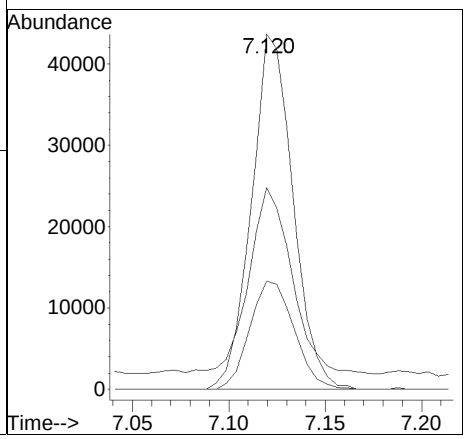


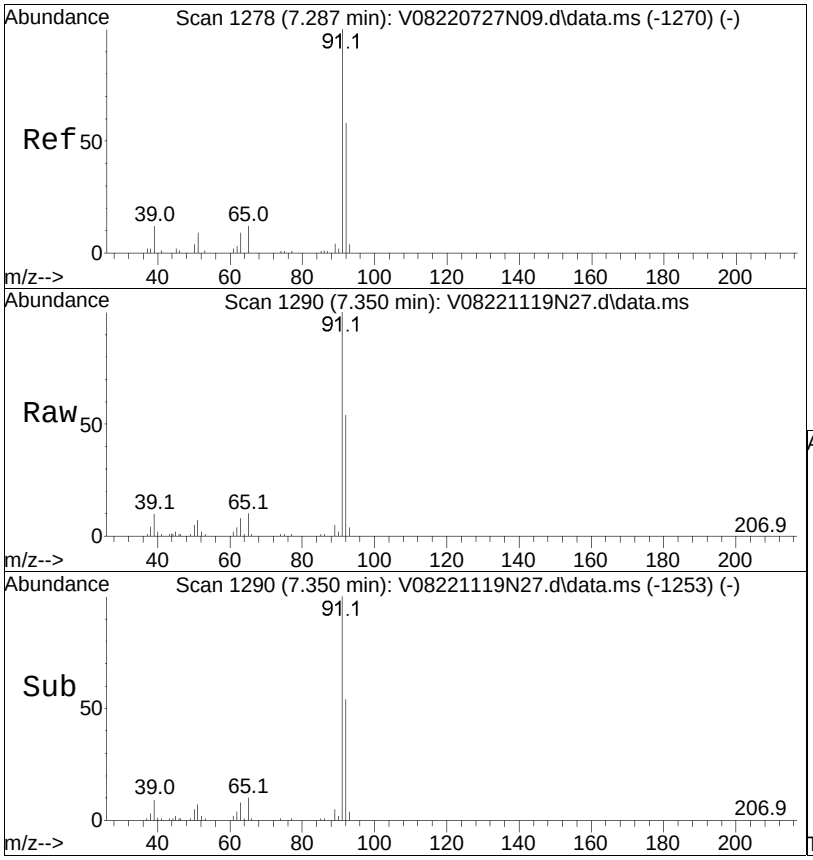


#58
cis-1,3-Dichloropropene
Concen: 7.97 ug/L
RT: 7.120 min Scan# 1246
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 75 Resp: 65419

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4
39	54.5	50.1	75.1

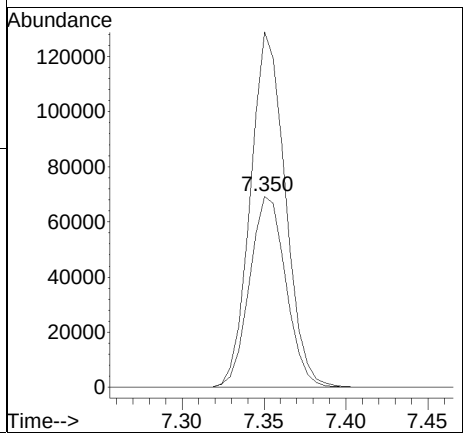


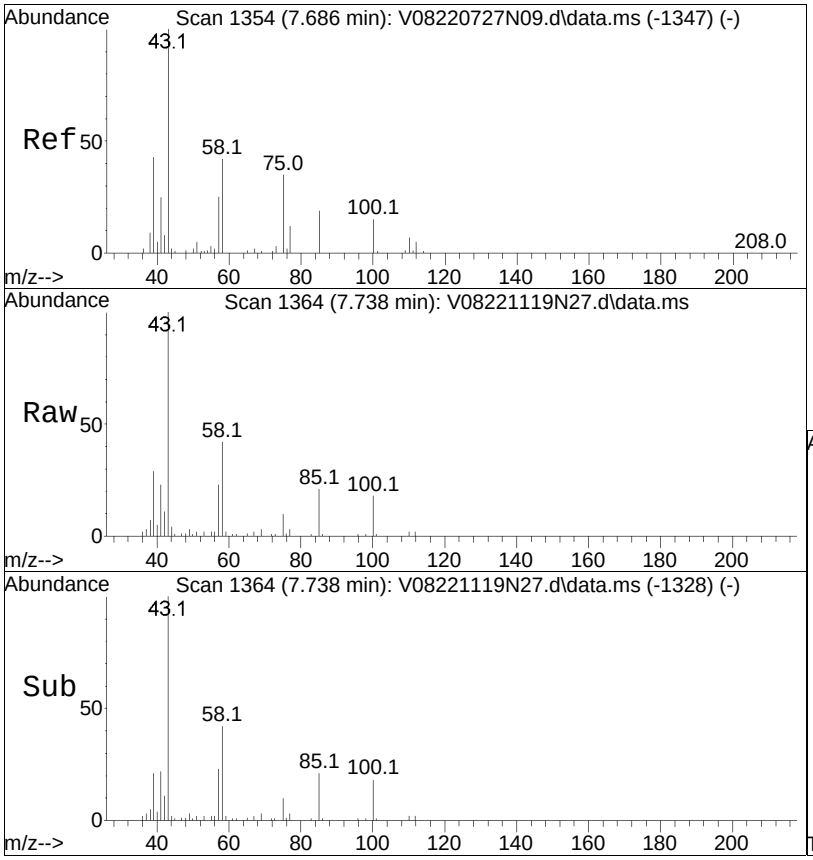


#61
Toluene
Concen: 8.90 ug/L
RT: 7.350 min Scan# 1290
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 92 Resp: 106829

Ion	Ratio	Lower	Upper
92	100		
91	178.4	139.8	209.6

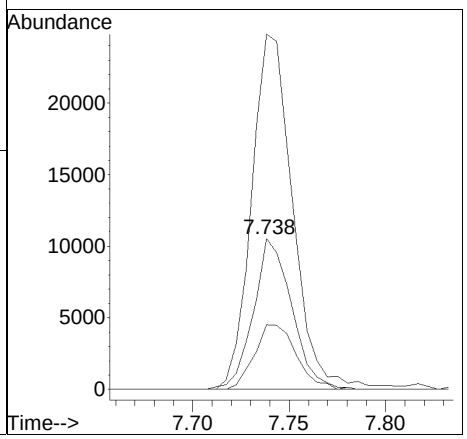


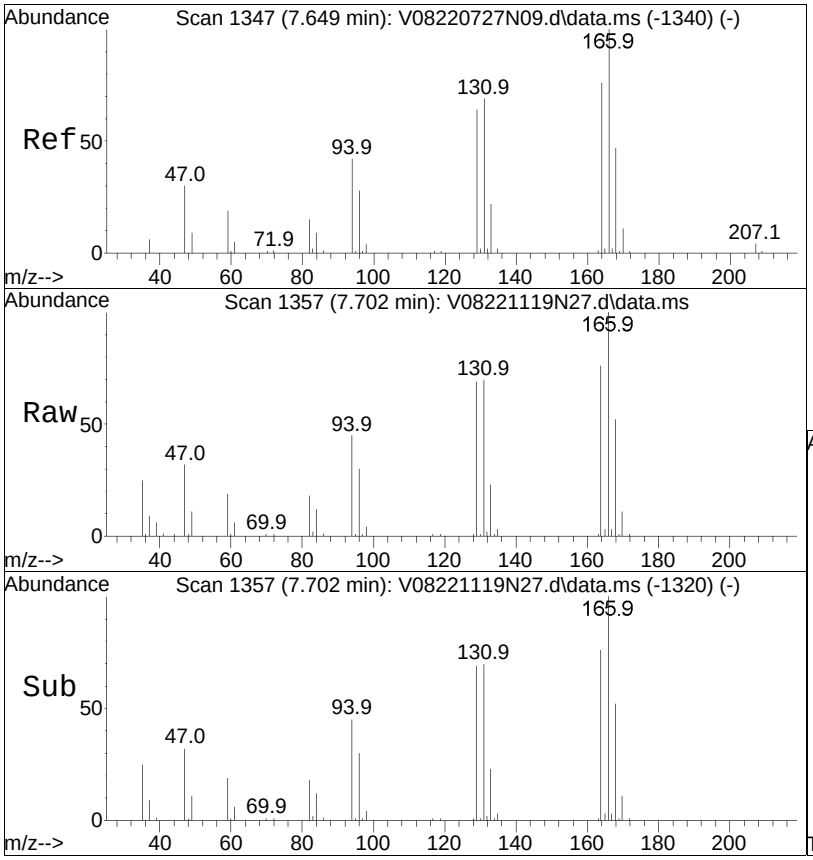


#62
4-Methyl-2-pentanone
Concen: 8.38 ug/L
RT: 7.738 min Scan# 1364
Delta R.T. -0.010 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 58 Resp: 14593

Ion	Ratio	Lower	Upper
58	100		
100	47.0	20.2	30.2#
43	252.5	196.6	295.0

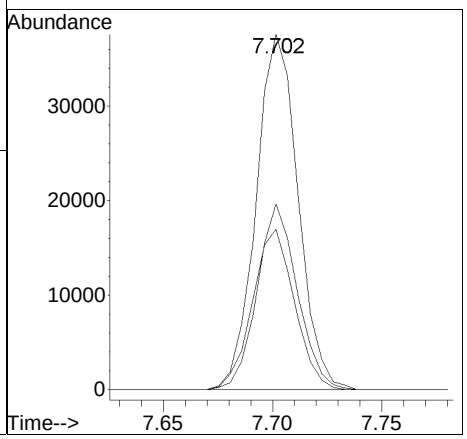


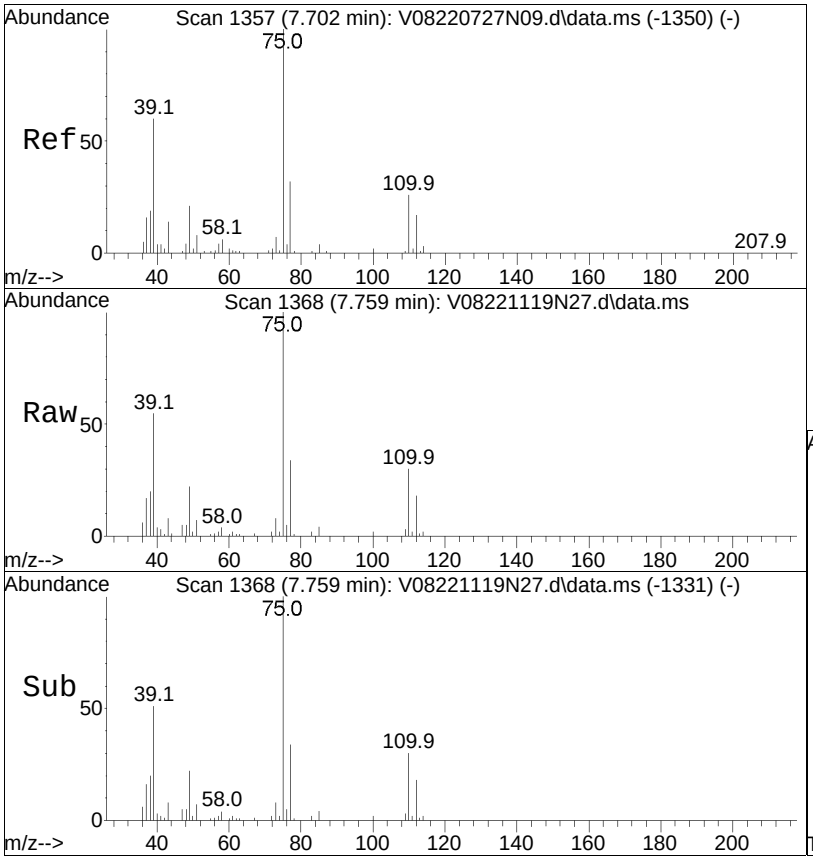


#63
Tetrachloroethene
Concen: 8.74 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:166 Resp: 50073

Ion	Ratio	Lower	Upper
166	100		
168	49.9	28.2	68.2
94	45.1	38.4	78.4

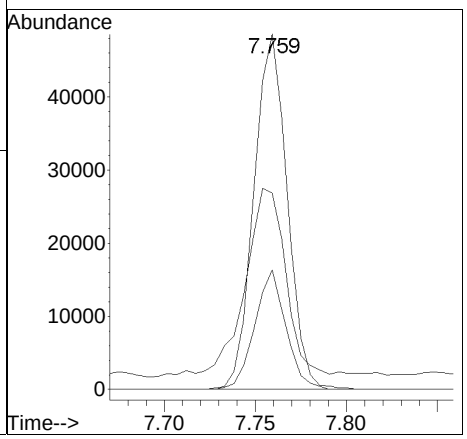


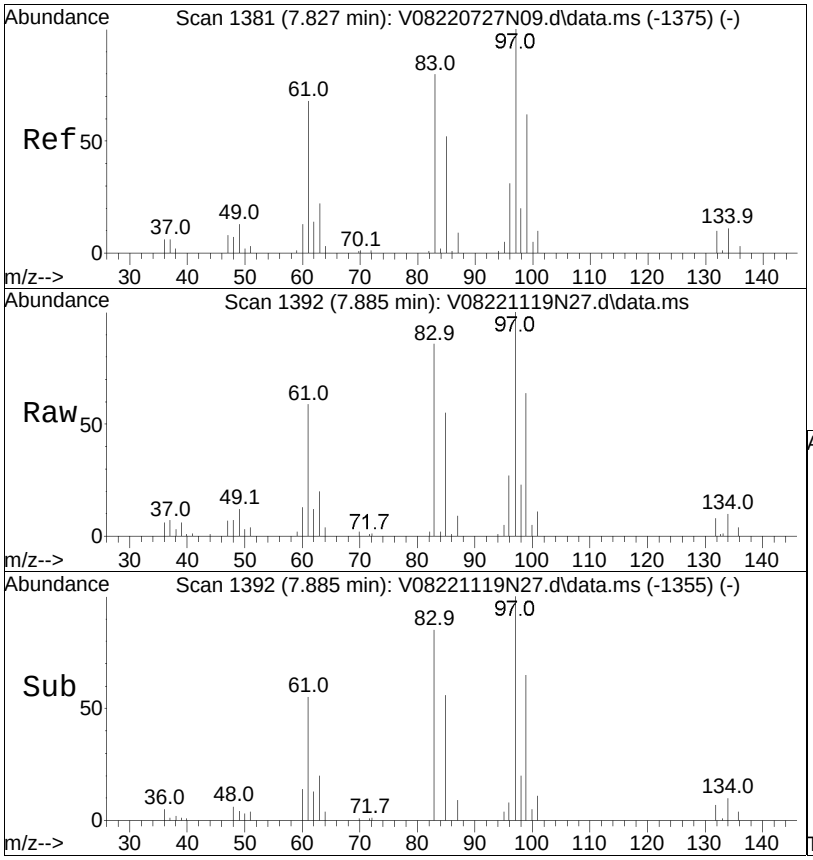


#65
trans-1,3-Dichloropropene
Concen: 8.28 ug/L
RT: 7.759 min Scan# 1368
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 75 Resp: 61794

Ion	Ratio	Lower	Upper
75	100		
77	31.4	12.4	52.4
39	66.3	42.8	82.8

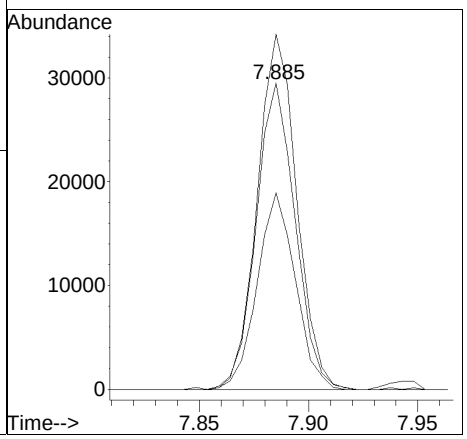


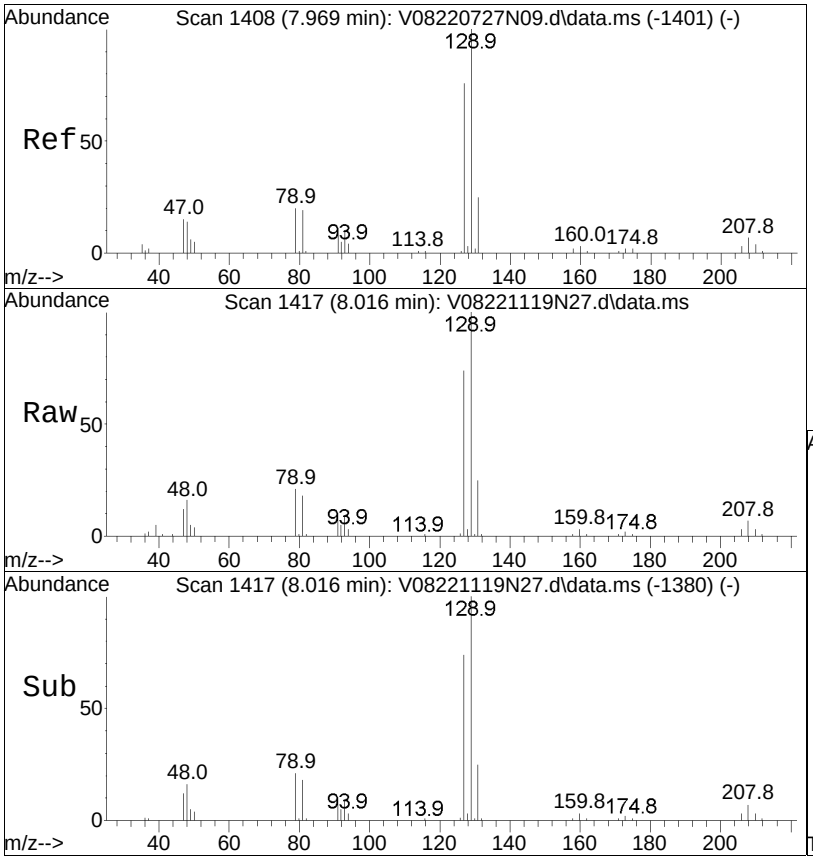


#68
1,1,2-Trichloroethane
Concen: 9.66 ug/L
RT: 7.885 min Scan# 1392
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 83 Resp: 36641

Ion	Ratio	Lower	Upper
83	100		
97	116.8	89.8	129.8
85	63.1	44.4	84.4

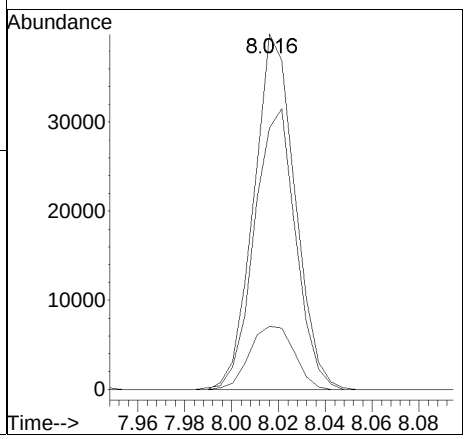


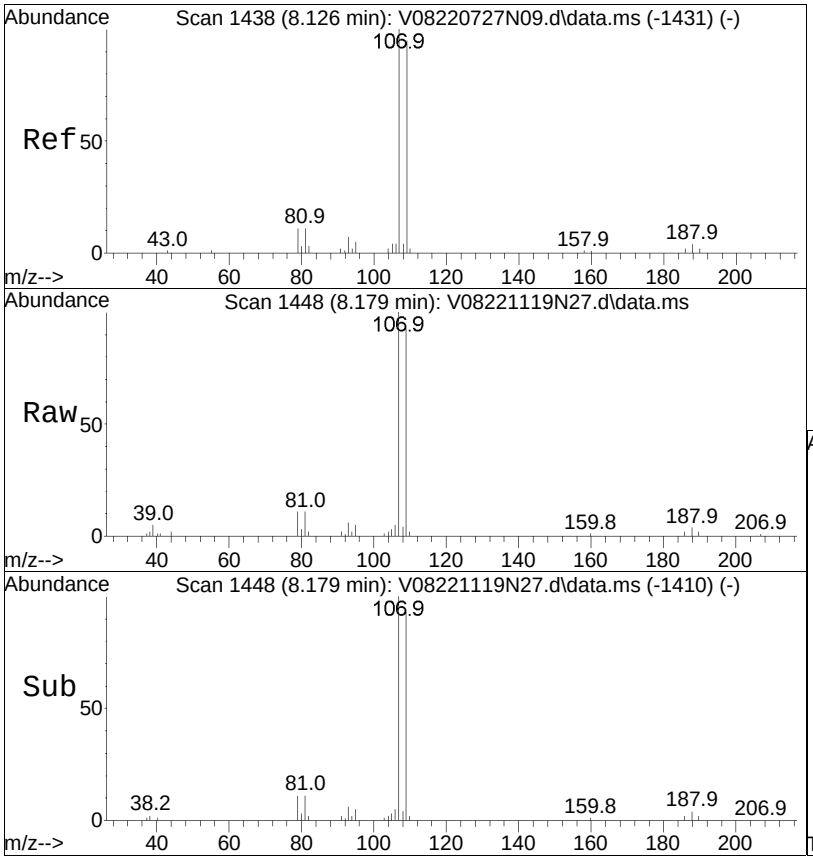


#69
Chlorodibromomethane
Concen: 8.28 ug/L
RT: 8.016 min Scan# 1417
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:129 Resp: 48820

Ion	Ratio	Lower	Upper
129	100		
81	19.2	2.9	42.9
127	79.3	57.8	97.8

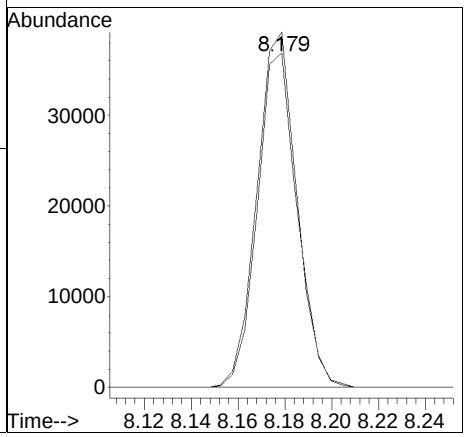


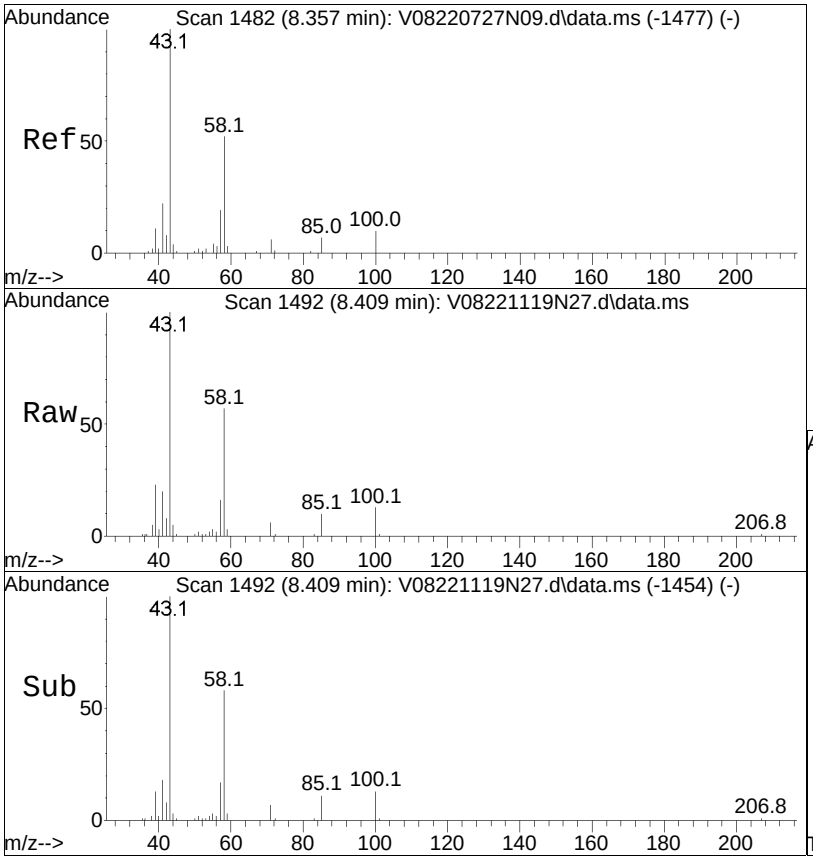


#71
1,2-Dibromoethane
Concen: 9.06 ug/L
RT: 8.179 min Scan# 1448
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:107 Resp: 46357

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.3	111.5

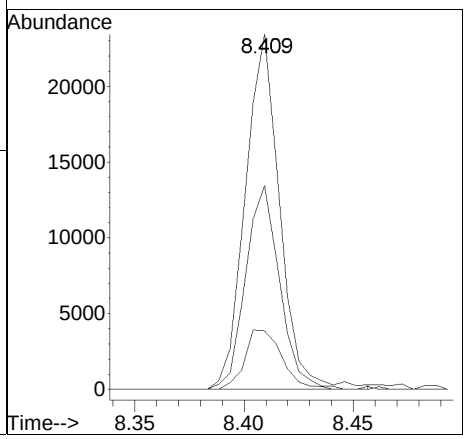


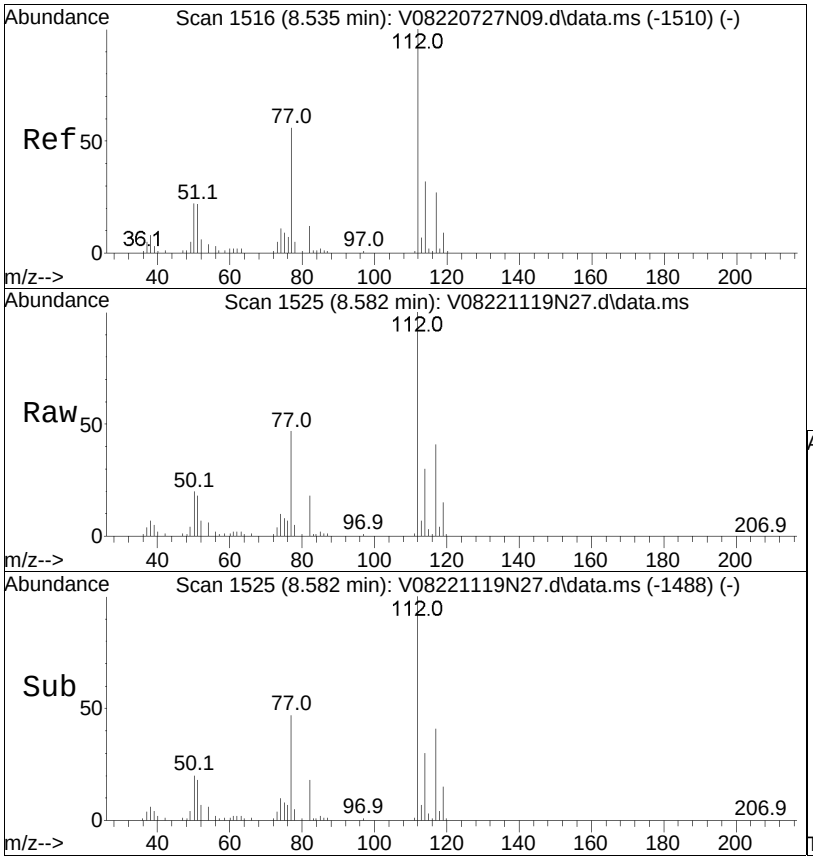


#72
2-Hexanone
Concen: 7.54 ug/L
RT: 8.409 min Scan# 1492
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 43 Resp: 25779

Ion	Ratio	Lower	Upper
43	100		
58	56.7	41.2	61.8
57	18.1	17.2	25.8

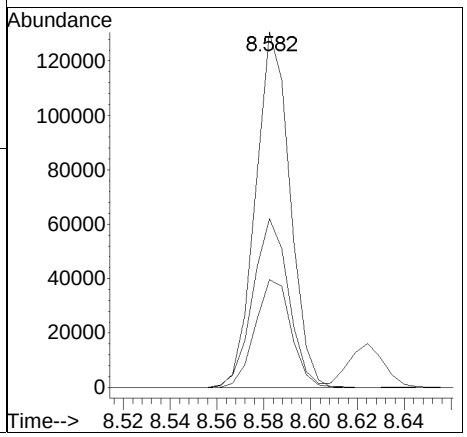


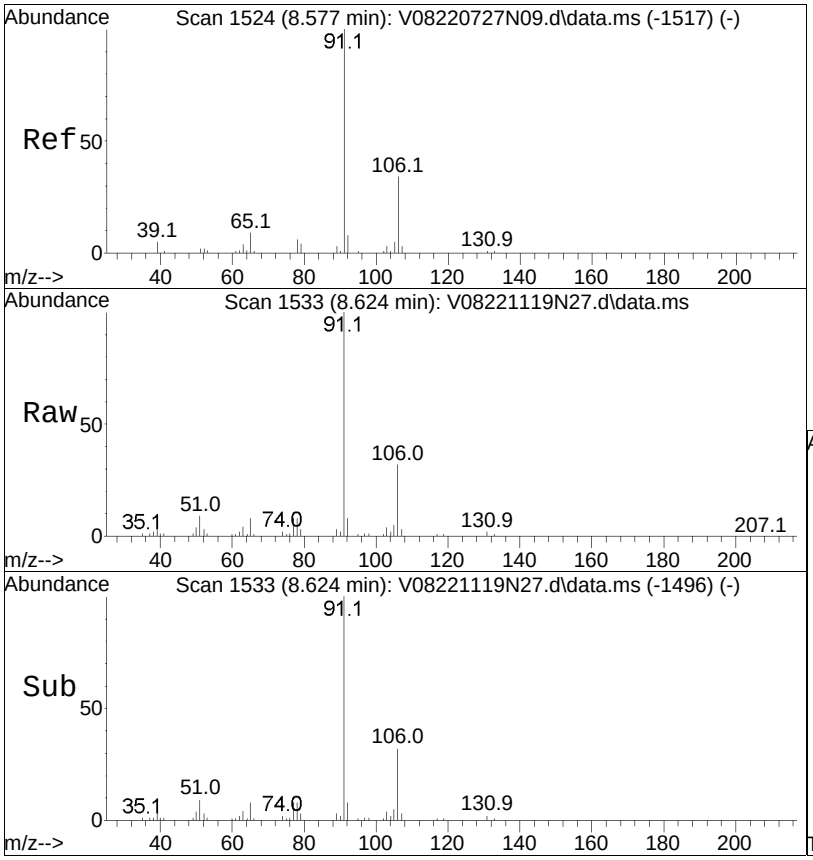


#73
Chlorobenzene
Concen: 9.05 ug/L
RT: 8.582 min Scan# 1525
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:112 Resp: 133800

Ion	Ratio	Lower	Upper
112	100		
77	49.2	55.4	83.0#
114	31.6	25.4	38.2

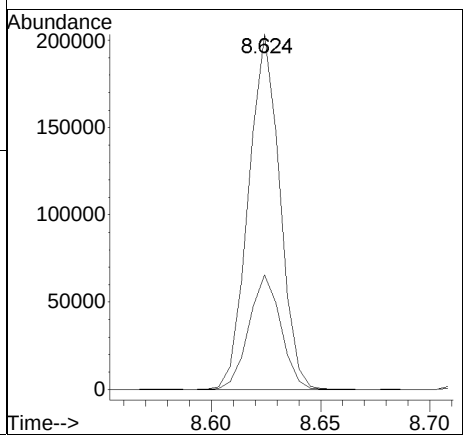


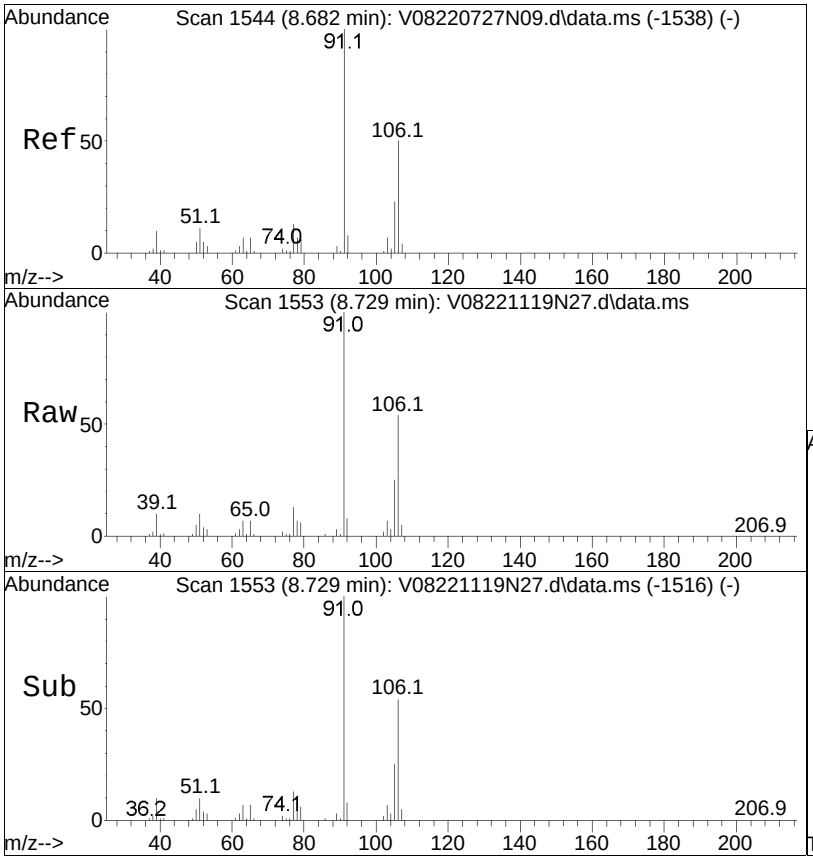


#74
Ethylbenzene
Concen: 8.80 ug/L
RT: 8.624 min Scan# 1533
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 91 Resp: 202496

Ion	Ratio	Lower	Upper
91	100		
106	32.8	24.3	36.5

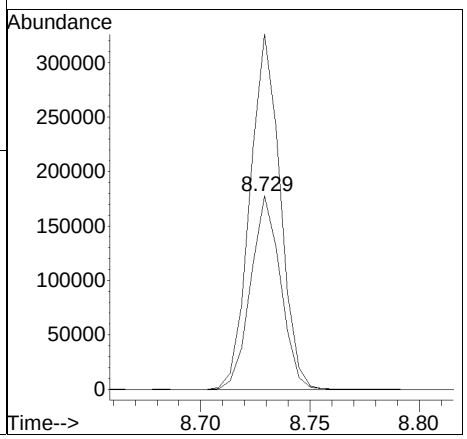


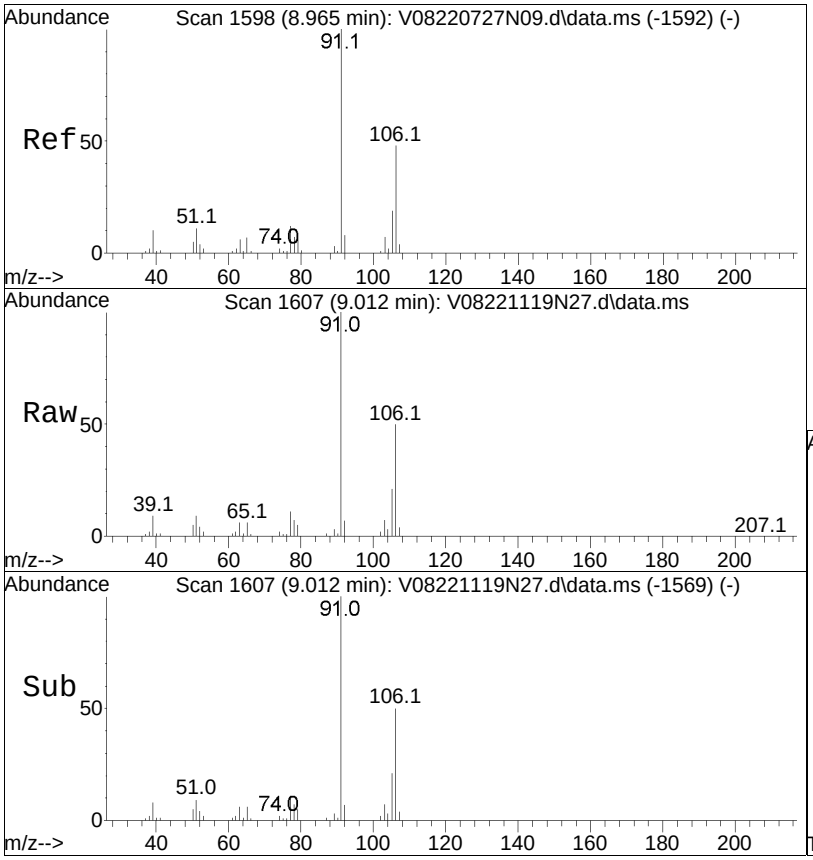


#76
p/m Xylene
Concen: 17.72 ug/L
RT: 8.729 min Scan# 1553
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:106 Resp: 169326

Ion	Ratio	Lower	Upper
106	100		
91	185.3	166.4	249.6

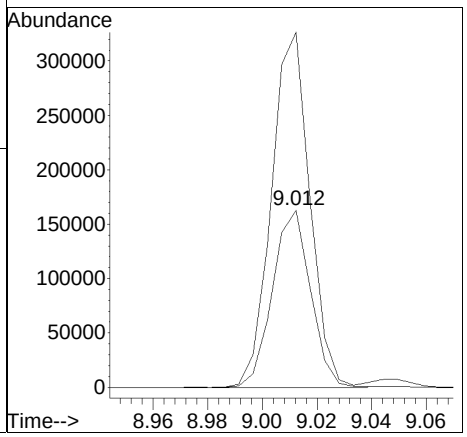


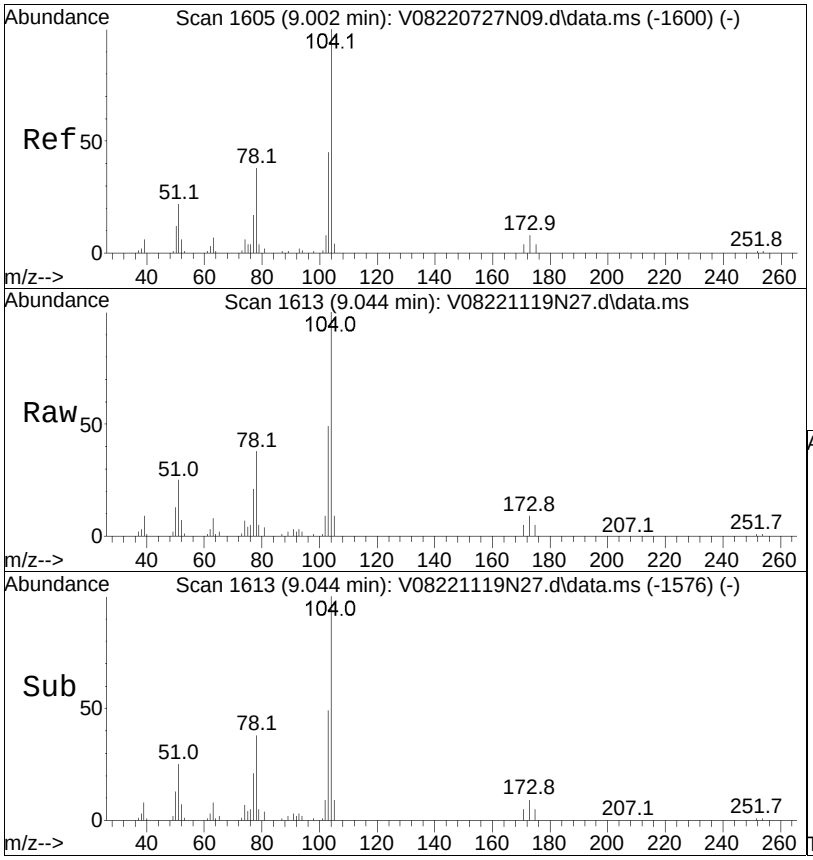


#77
o Xylene
Concen: 17.31 ug/L
RT: 9.012 min Scan# 1607
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:106 Resp: 157660

Ion	Ratio	Lower	Upper
106	100		
91	201.6	182.6	273.8

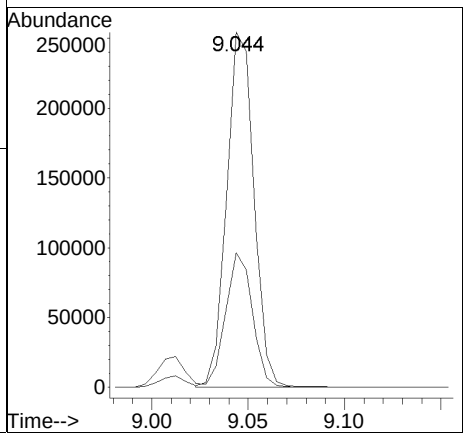


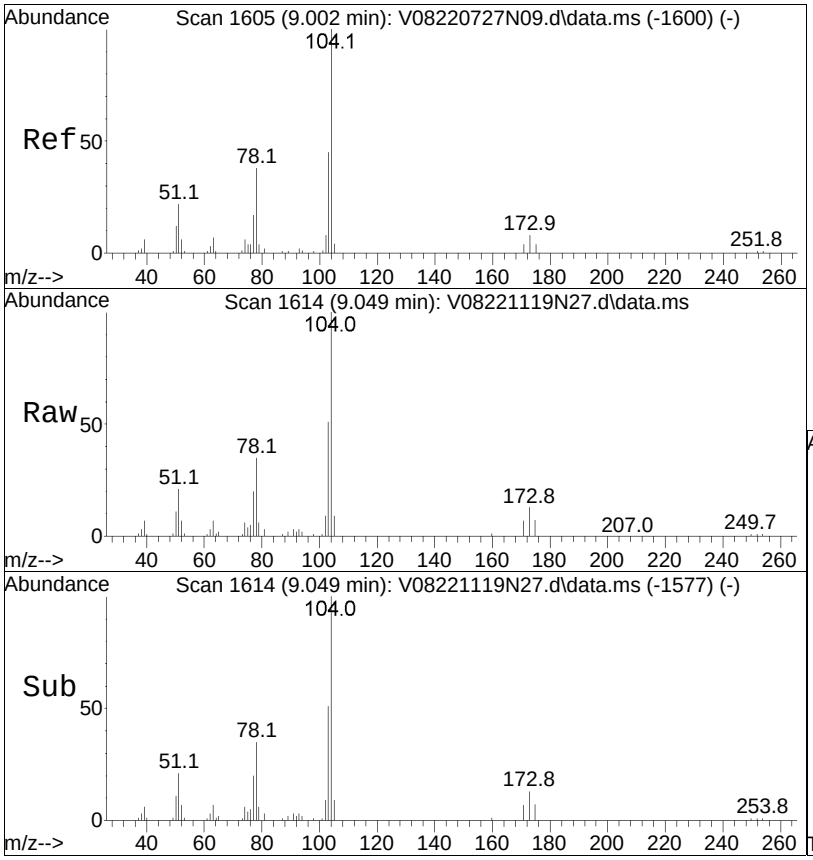


#78
Styrene
Concen: 16.38 ug/L
RT: 9.044 min Scan# 1613
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:104 Resp: 250892

Ion	Ratio	Lower	Upper
104	100		
78	37.1	39.8	59.6#

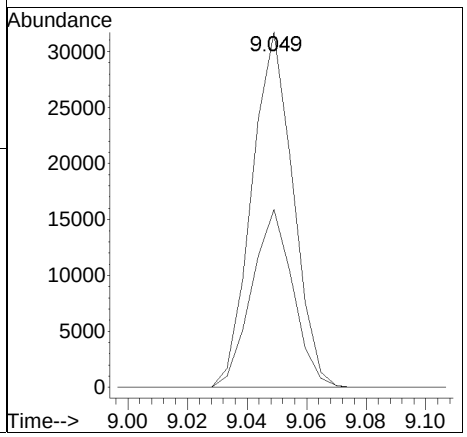


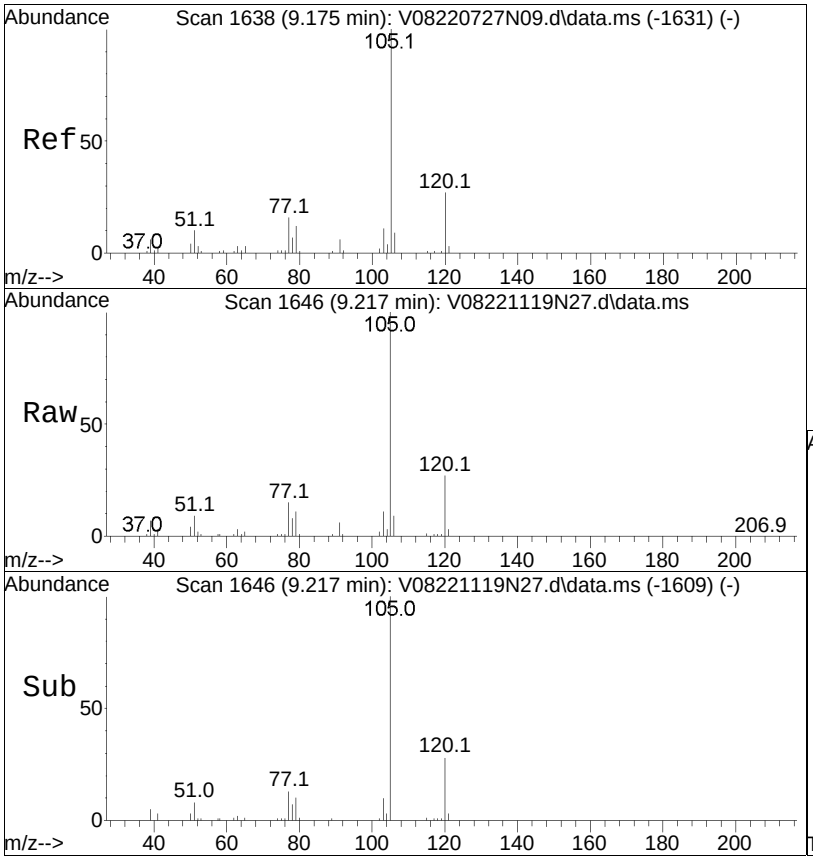


#80
Bromoform
Concen: 7.31 ug/L
RT: 9.049 min Scan# 1614
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:173 Resp: 30522

Ion	Ratio	Lower	Upper
173	100		
175	50.2	31.5	71.5

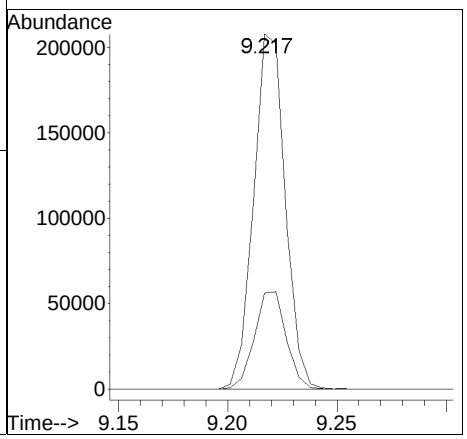


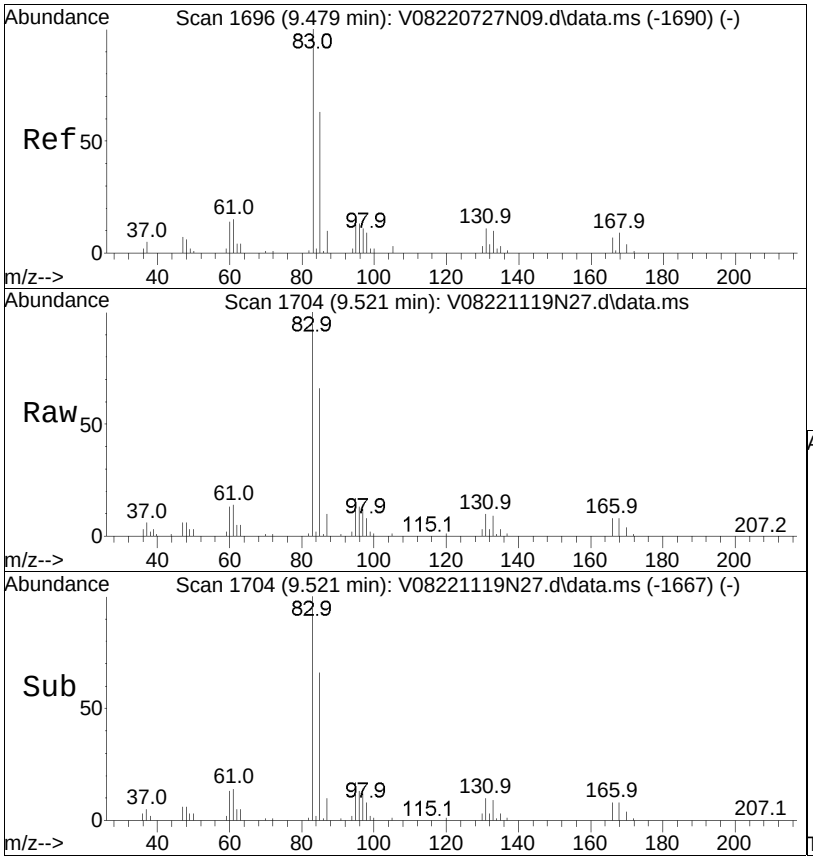


#82
Isopropylbenzene
Concen: 8.82 ug/L
RT: 9.217 min Scan# 1646
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:105 Resp: 209161

Ion	Ratio	Lower	Upper
105	100		
120	27.7	4.8	44.8

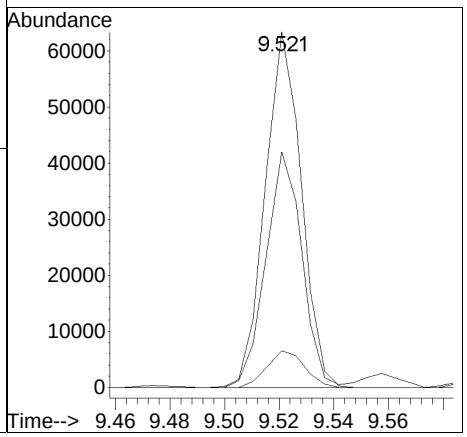


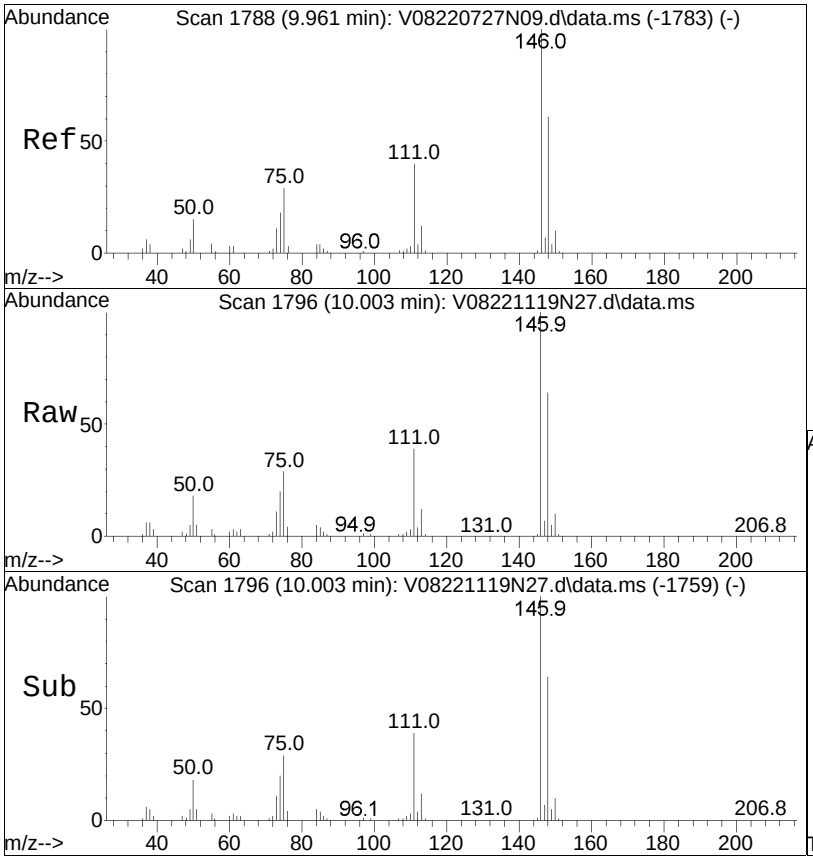


#87
1,1,2,2-Tetrachloroethane
Concen: 9.49 ug/L
RT: 9.521 min Scan# 1704
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion: 83 Resp: 58268

Ion	Ratio	Lower	Upper
83	100		
131	10.8	0.0	30.4
85	66.1	45.4	85.4

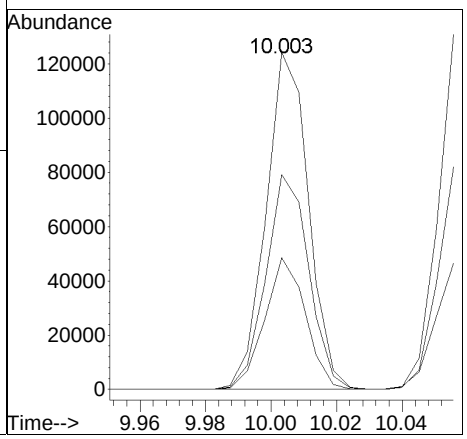


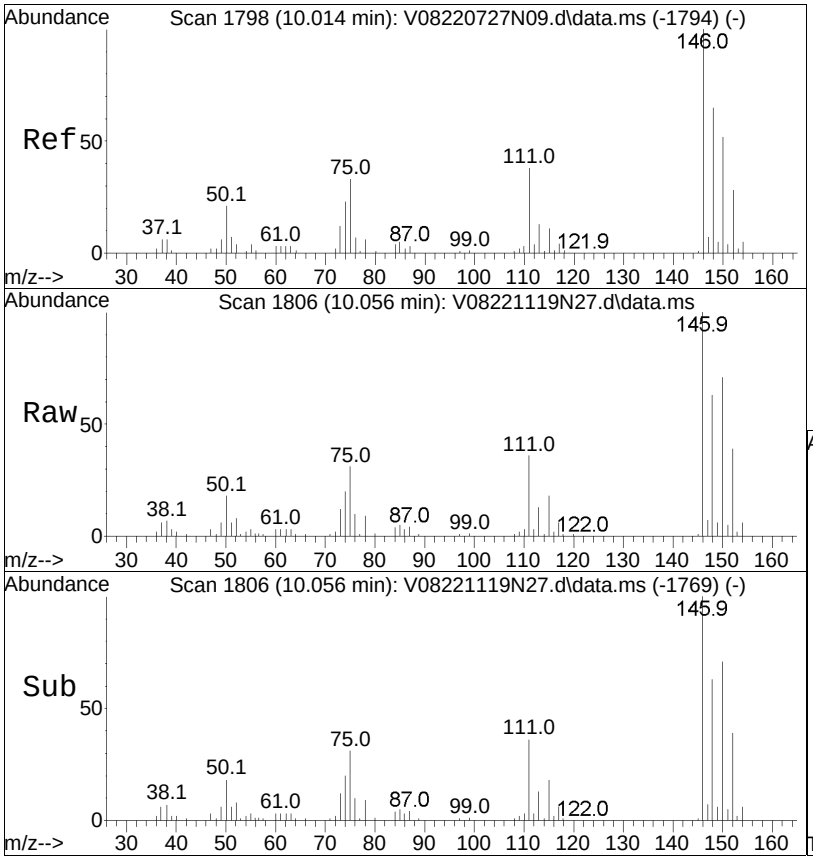


#100
1,3-Dichlorobenzene
Concen: 8.47 ug/L
RT: 10.003 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:146 Resp: 111673

Ion	Ratio	Lower	Upper
146	100		
111	37.7	27.5	57.1
148	64.5	41.9	86.9

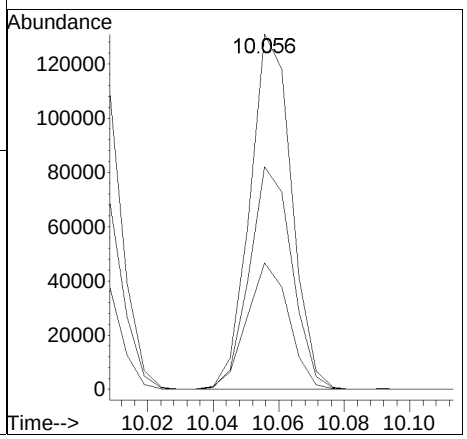


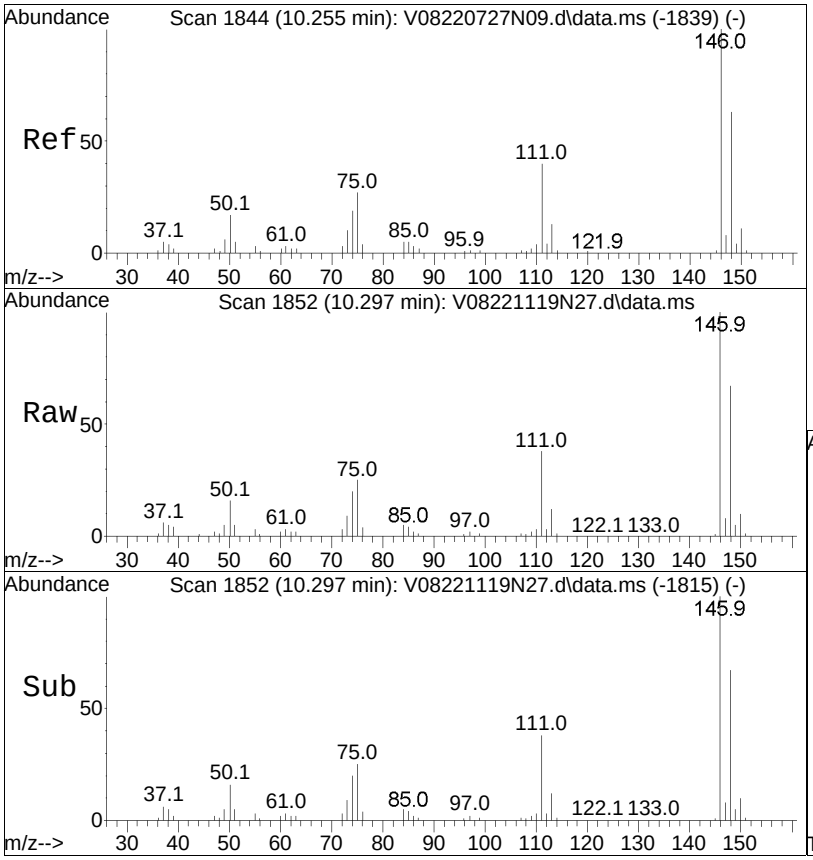


#101
1,4-Dichlorobenzene
Concen: 8.70 ug/L
RT: 10.056 min Scan# 1806
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:146 Resp: 116212

Ion	Ratio	Lower	Upper
146	100		
111	36.0	32.3	48.5
148	63.9	49.9	74.9

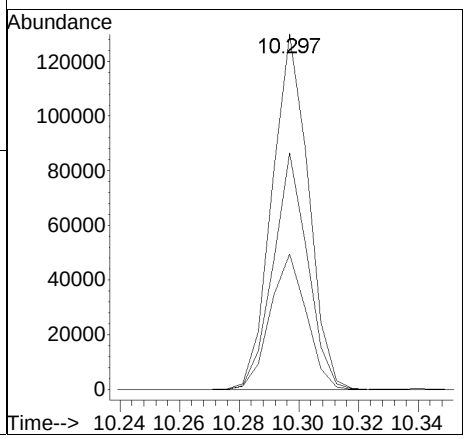


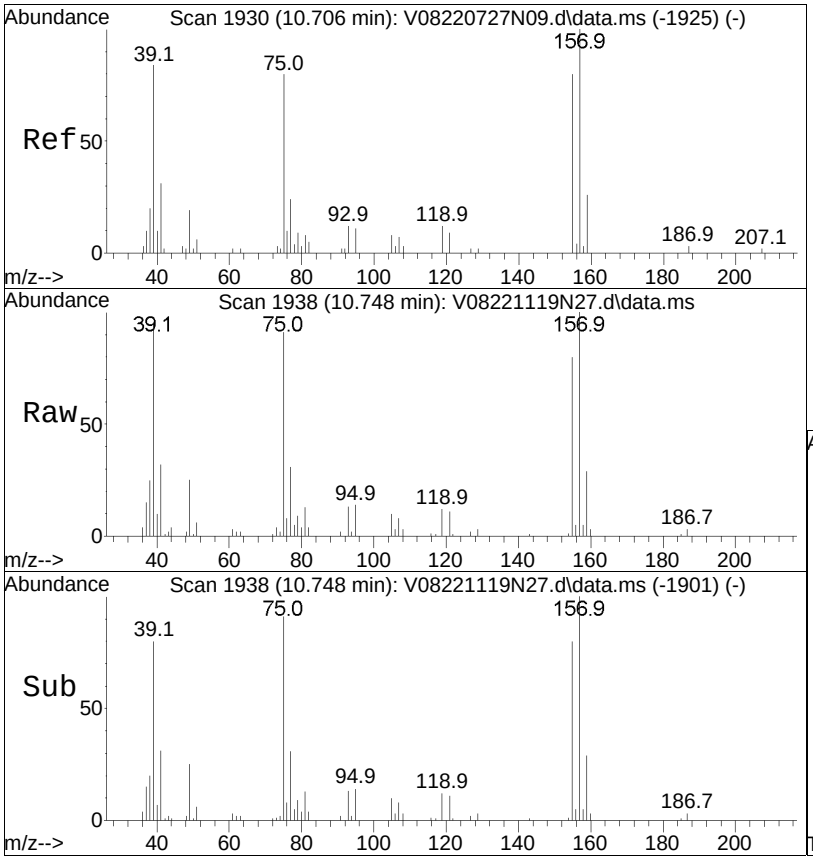


#104
1,2-Dichlorobenzene
Concen: 8.50 ug/L
RT: 10.297 min Scan# 1852
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:146 Resp: 110230

Ion	Ratio	Lower	Upper
146	100		
111	37.9	28.3	58.7
148	63.1	42.3	87.8

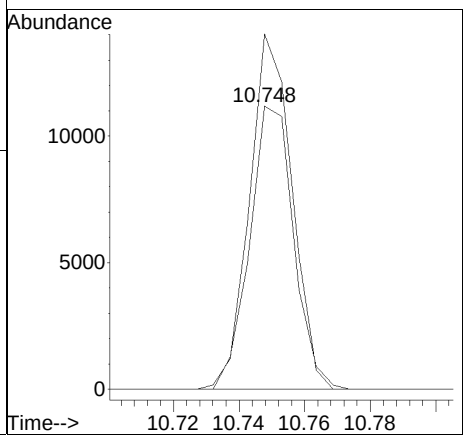


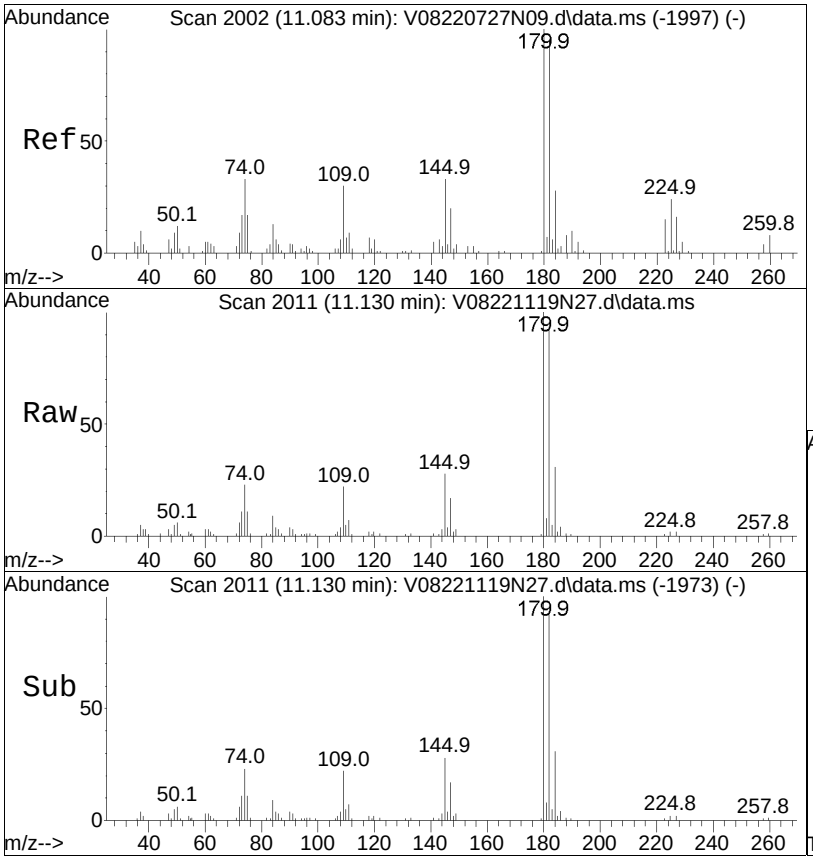


#106
1,2-Dibromo-3-chloropropane
Concen: 8.16 ug/L
RT: 10.748 min Scan# 1938
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:155 Resp: 10454

Ion	Ratio	Lower	Upper
155	100		
157	120.7	94.8	142.2

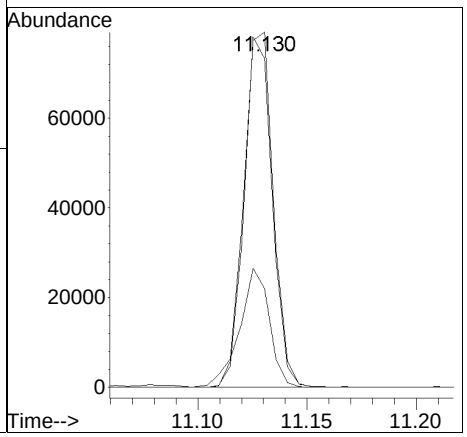


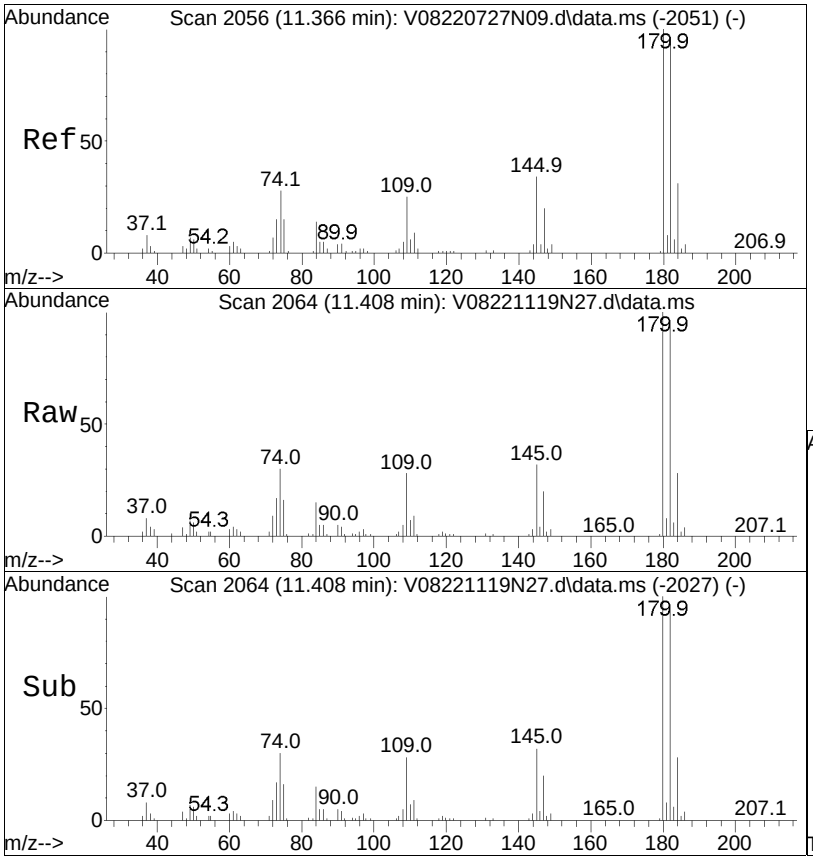


#109
1,2,4-Trichlorobenzene
Concen: 8.11 ug/L
RT: 11.130 min Scan# 2011
Delta R.T. 0.000 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:180 Resp: 74254

Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.3	115.9
145	34.0	28.1	42.1

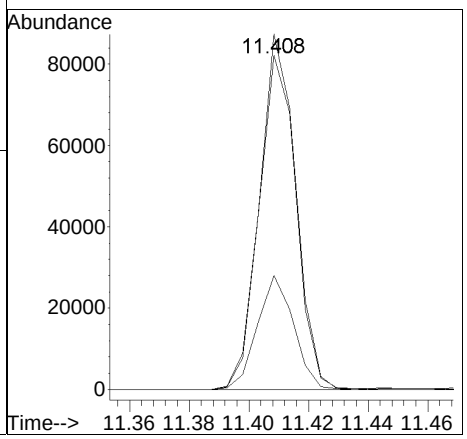




#111
1,2,3-Trichlorobenzene
Concen: 8.05 ug/L
RT: 11.408 min Scan# 2064
Delta R.T. -0.005 min
Lab File: V08221119N27.d
Acq: 20 Nov 2022 3:44 am

Tgt Ion:180 Resp: 74028

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.4	114.6
145	31.9	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N28.d
Acq On : 20 Nov 2022 4:04 am
Operator : VOA108:PID
Sample : WG1714899-7,31,10,10,,A2
Misc : WG1714899,ICAL19477
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 21 12:09:06 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.620	96	200852	10.000	ug/L	0.00
Standard Area 1 = 198344			Recovery = 101.26%			
59) Chlorobenzene-d5	8.572	117	153700	10.000	ug/L	0.00
Standard Area 1 = 157340			Recovery = 97.69%			
79) 1,4-Dichlorobenzene-d4	10.051	152	85328	10.000	ug/L	0.00
Standard Area 1 = 87789			Recovery = 97.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.661	113	58905	9.993	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.93%			
43) 1,2-Dichloroethane-d4	5.279	65	62255	10.040	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.40%			
60) Toluene-d8	7.303	98	187087	10.068	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.68%			
83) 4-Bromofluorobenzene	9.385	95	62421	9.639	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.39%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.012	85	31891	8.470	ug/L	98
3) Chloromethane	1.148	50	39563	9.393	ug/L	98
4) Vinyl chloride	1.190	62	54957	12.114	ug/L	95
5) Bromomethane	1.405	94	31741	7.198	ug/L	93
6) Chloroethane	1.489	64	103178	22.233	ug/L	93
7) Trichlorofluoromethane	1.594	101	116868	11.538	ug/L	96
10) 1,1-Dichloroethene	1.971	96	70328	11.750	ug/L #	56
11) Carbon disulfide	1.976	76	119679	11.523	ug/L	98
12) Freon-113	2.018	101	68851	11.197	ug/L	95
15) Methylene chloride	2.474	84	48270	9.485	ug/L #	64
17) Acetone	2.532	43	15463	11.075	ug/L	96
18) trans-1,2-Dichloroethene	2.626	96	73076	15.057	ug/L #	67
19) Methyl acetate	2.674	43	28216	8.076	ug/L #	80
20) Methyl tert-butyl ether	2.773	73	111636	8.589	ug/L	91
23) 1,1-Dichloroethane	3.292	63	79562	10.154	ug/L	95
28) cis-1,2-Dichloroethene	4.005	96	347645	61.992	ug/L #	63
30) Bromochloromethane	4.268	128	29567	9.540	ug/L #	48
31) Cyclohexane	4.257	56	61136	9.075	ug/L #	48
32) Chloroform	4.425	83	88461	9.887	ug/L	96
34) Carbon tetrachloride	4.556	117	65639	9.261	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N28.d
Acq On : 20 Nov 2022 4:04 am
Operator : VOA108:PID
Sample : WG1714899-7,31,10,10,,A2
Misc : WG1714899,ICAL19477
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 21 12:09:06 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2022\221119N\V08221119N01.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	4.640	97	74519	9.503	ug/L	#	96
39) 2-Butanone	4.844	43	20543	8.843	ug/L	#	32
41) Benzene	5.112	78	186219	9.953	ug/L	#	89
44) 1,2-Dichloroethane	5.363	62	67126	9.607	ug/L		95
47) Methyl cyclohexane	5.788	83	67432	8.633	ug/L	#	59
48) Trichloroethene	5.814	95	300741	55.286	ug/L		87
51) 1,2-Dichloropropane	6.365	63	47581	10.064	ug/L		97
54) Bromodichloromethane	6.470	83	66182	9.368	ug/L	#	99
57) 1,4-Dioxane	6.690	88	30325	551.081	ug/L	#	64
58) cis-1,3-Dichloropropene	7.120	75	71136	8.547	ug/L		92
61) Toluene	7.350	92	116232	9.847	ug/L		99
62) 4-Methyl-2-pentanone	7.744	58	16197	9.457	ug/L	#	96
63) Tetrachloroethene	7.702	166	53494	9.495	ug/L		90
65) trans-1,3-Dichloropropene	7.759	75	64928	8.844	ug/L		100
68) 1,1,2-Trichloroethane	7.885	83	38786	10.394	ug/L		93
69) Chlorodibromomethane	8.016	129	54078	9.326	ug/L		97
71) 1,2-Dibromoethane	8.174	107	49430	9.823	ug/L		99
72) 2-Hexanone	8.410	43	28502	8.475	ug/L		95
73) Chlorobenzene	8.583	112	141665	9.739	ug/L	#	84
74) Ethylbenzene	8.624	91	218131	9.632	ug/L		96
76) p/m Xylene	8.729	106	176977	18.827	ug/L		90
77) o Xylene	9.012	106	169303	18.896	ug/L		83
78) Styrene	9.044	104	277298	18.396	ug/L	#	81
80) Bromoform	9.049	173	33984	8.319	ug/L		97
82) Isopropylbenzene	9.217	105	224309	9.660	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.521	83	62382	10.382	ug/L		98
100) 1,3-Dichlorobenzene	10.003	146	121236	9.393	ug/L		95
101) 1,4-Dichlorobenzene	10.056	146	124574	9.531	ug/L		96
104) 1,2-Dichlorobenzene	10.297	146	116025	9.140	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.748	155	11432	9.118	ug/L		96
109) 1,2,4-Trichlorobenzene	11.125	180	81406	9.089	ug/L		96
111) 1,2,3-Trichlorobenzene	11.409	180	80662	8.965	ug/L		98

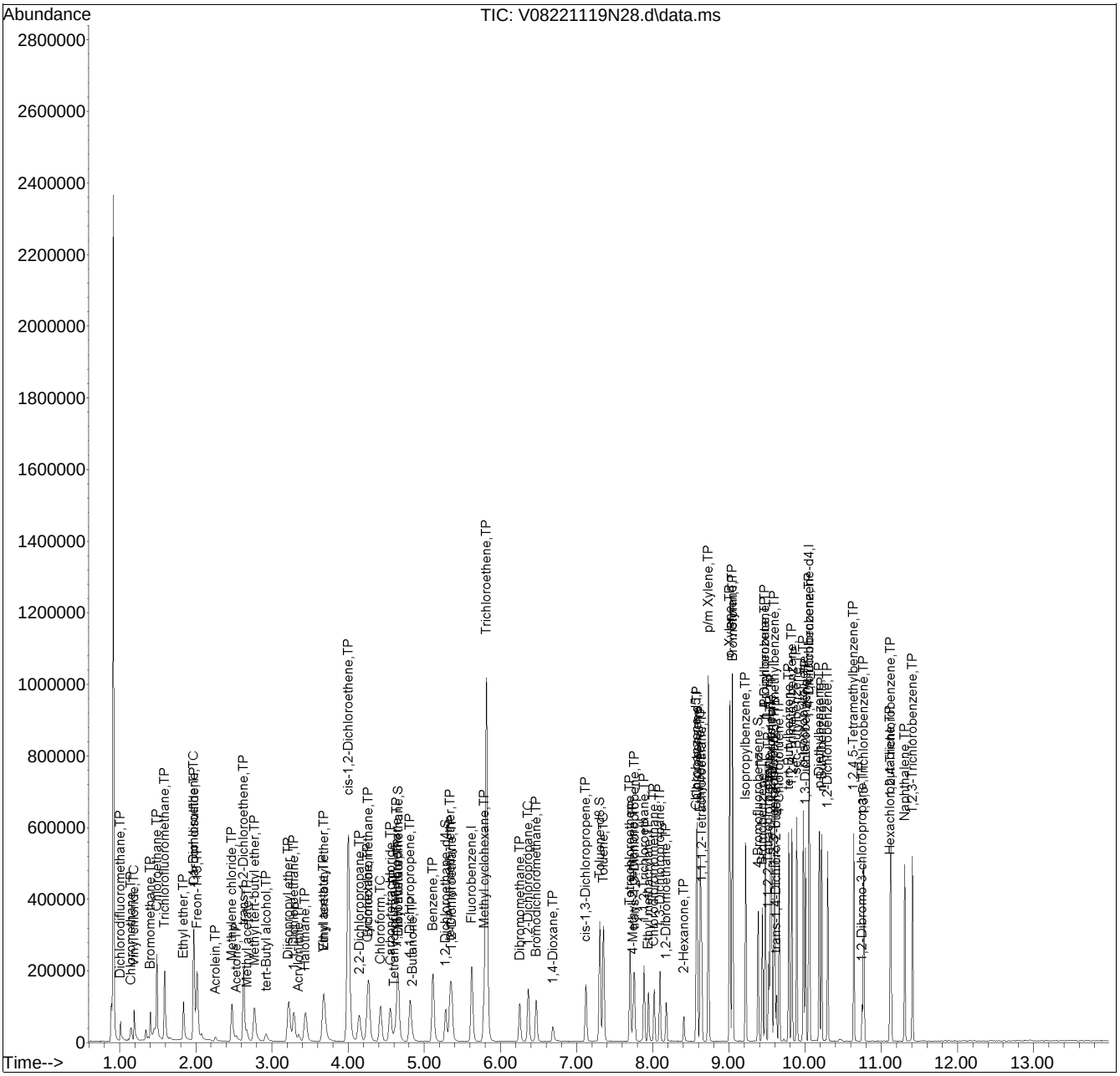
(#) = qualifier out of range (m) = manual integration (+) = signals summed

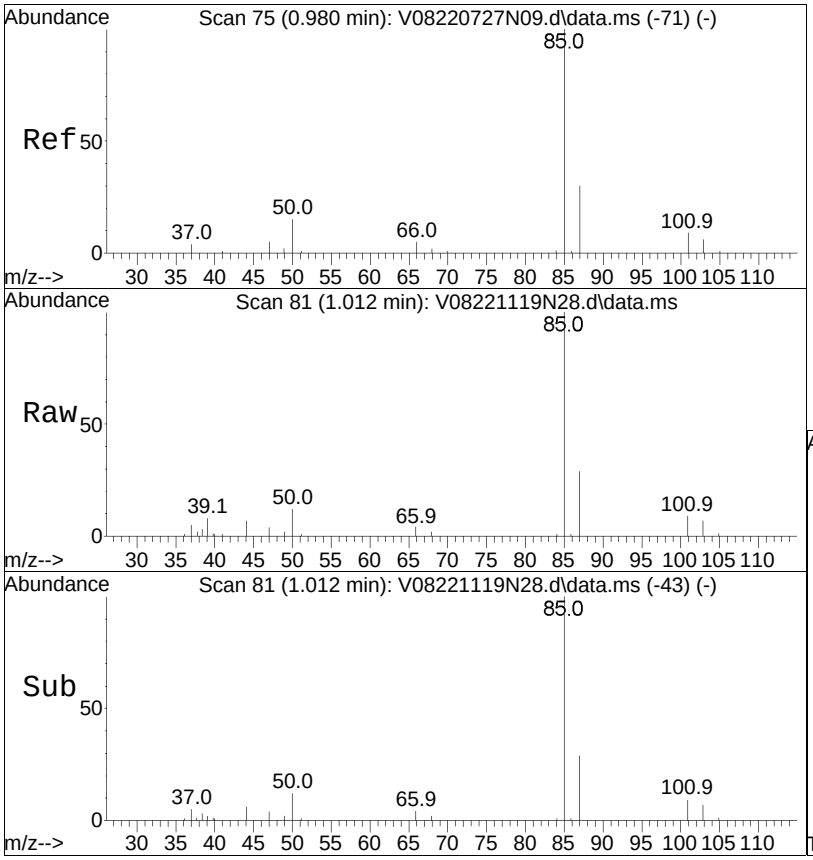
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2022\221119N\
Data File : V08221119N28.d
Acq On : 20 Nov 2022 4:04 am
Operator : VOA108:PID
Sample : WG1714899-7,31,10,10,,A2
Misc : WG1714899,ICAL19477
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 21 12:09:06 2022
Quant Method : I:\VOLATILES\VOA108\2022\221119N\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
Response via : Initial Calibration

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

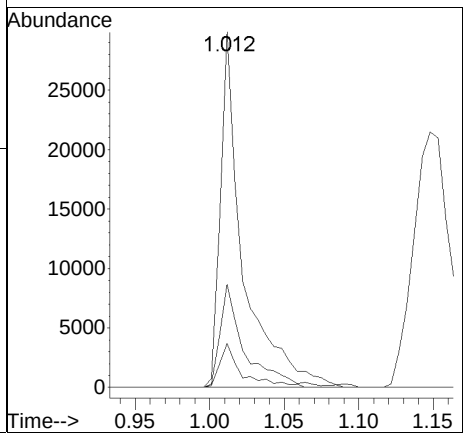


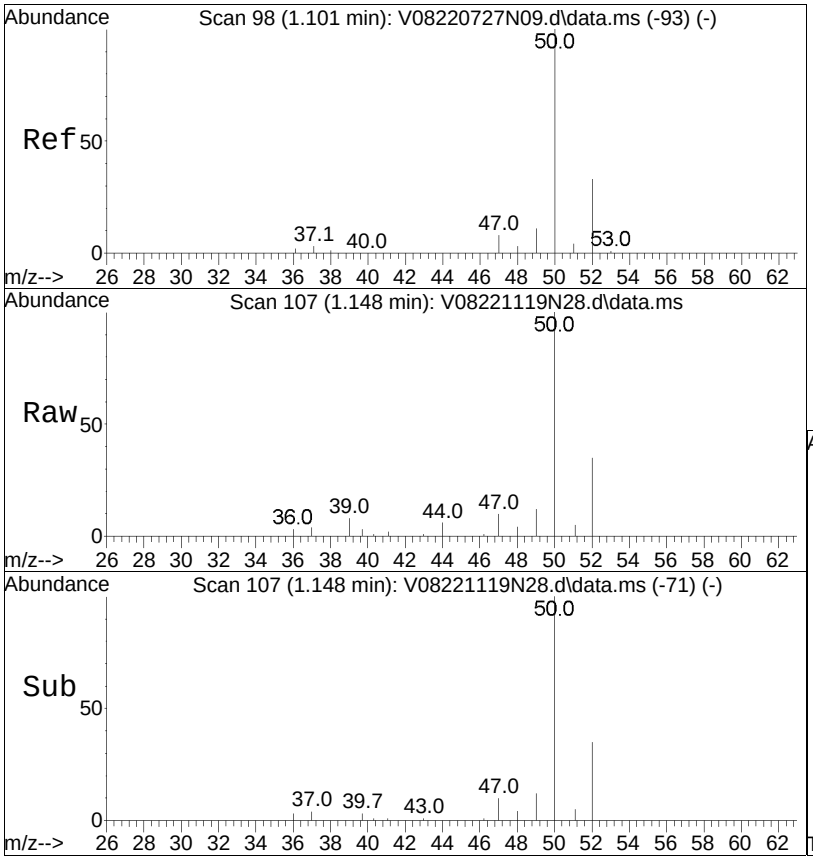


#2
Dichlorodifluoromethane
Concen: 8.47 ug/L
RT: 1.012 min Scan# 81
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 85 Resp: 31891

Ion	Ratio	Lower	Upper
85	100		
87	31.7	21.0	43.6
50	11.9	8.9	18.5

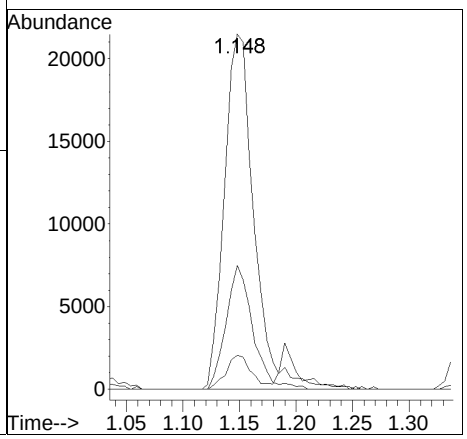


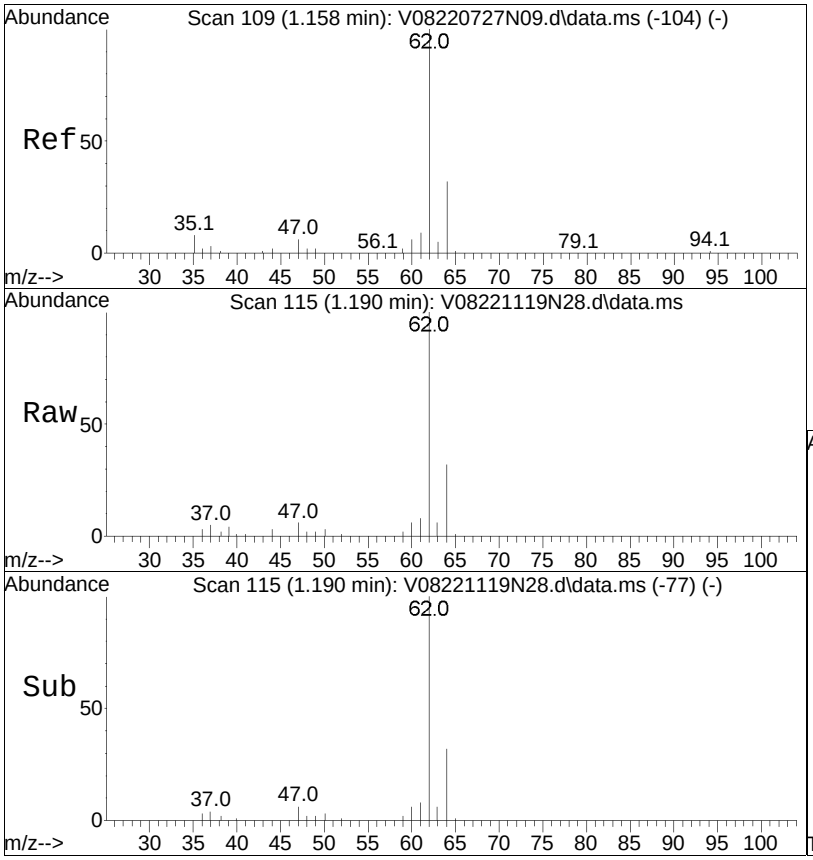


#3
Chloromethane
Concen: 9.39 ug/L
RT: 1.148 min Scan# 107
Delta R.T. -0.010 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 50 Resp: 39563

Ion	Ratio	Lower	Upper
50	100		
52	31.3	12.9	52.9
47	8.4	0.0	28.3

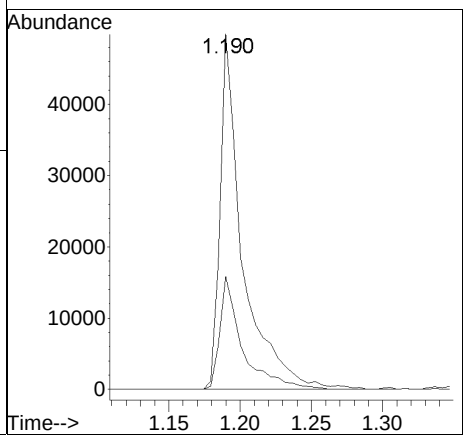


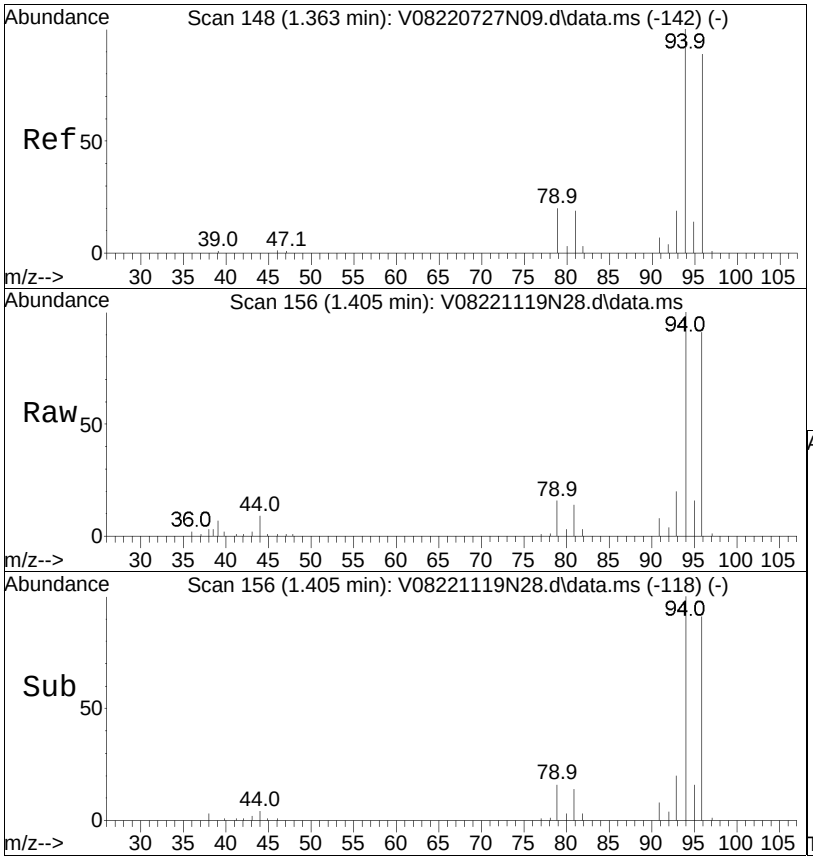


#4
Vinyl chloride
Concen: 12.11 ug/L
RT: 1.190 min Scan# 115
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 62 Resp: 54957

Ion	Ratio	Lower	Upper
62	100		
64	31.8	9.1	49.1

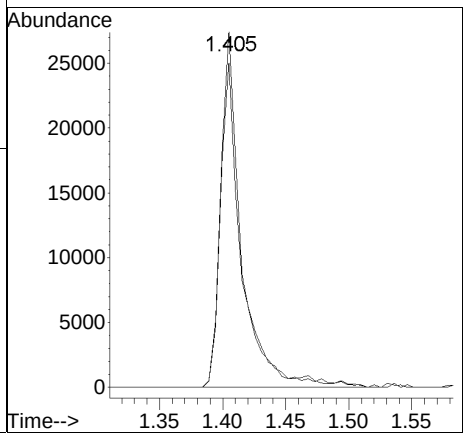


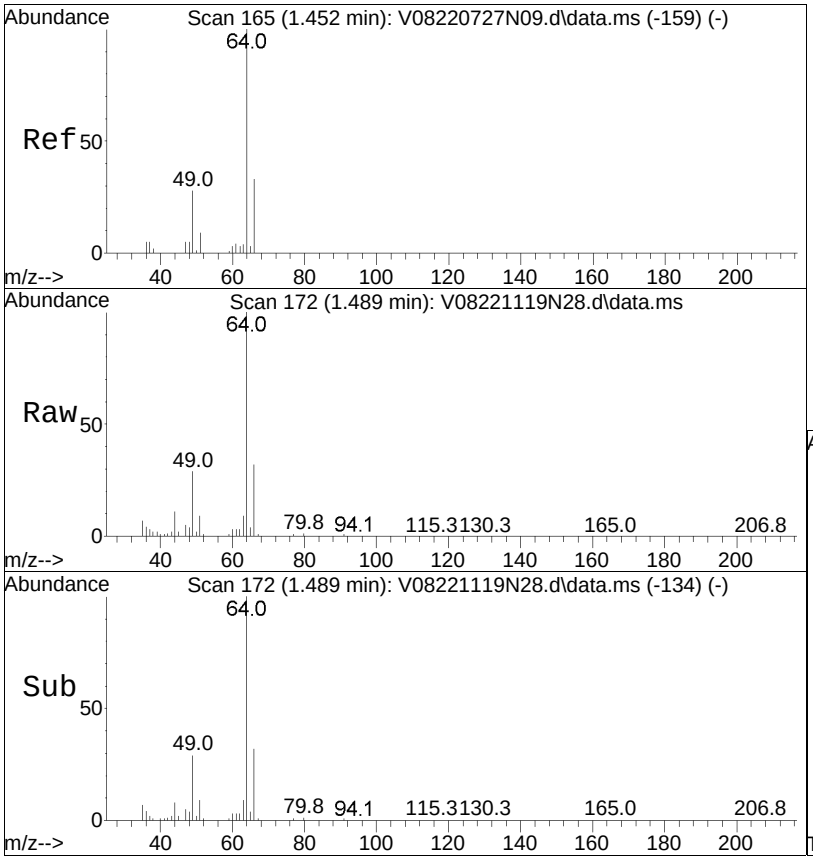


#5
Bromomethane
Concen: 7.20 ug/L
RT: 1.405 min Scan# 156
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 94 Resp: 31741

Ion	Ratio	Lower	Upper
94	100		
96	88.9	75.6	115.6

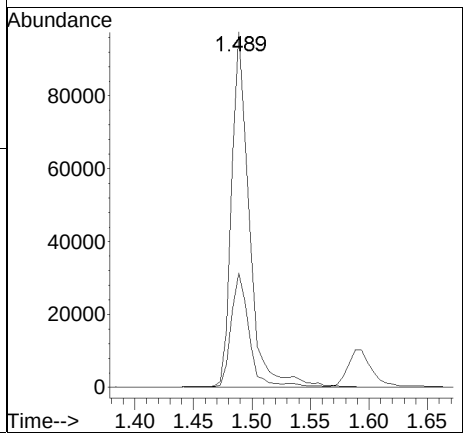


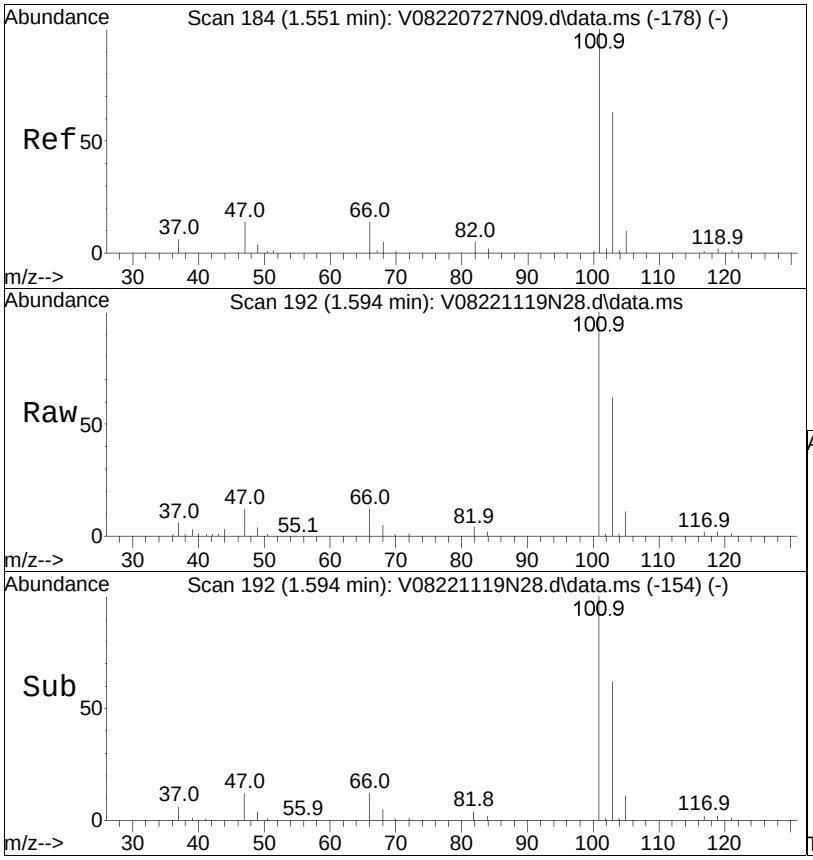


#6
Chloroethane
Concen: 22.23 ug/L
RT: 1.489 min Scan# 172
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 64 Resp: 103178

Ion	Ratio	Lower	Upper
64	100		
66	33.4	9.8	49.8

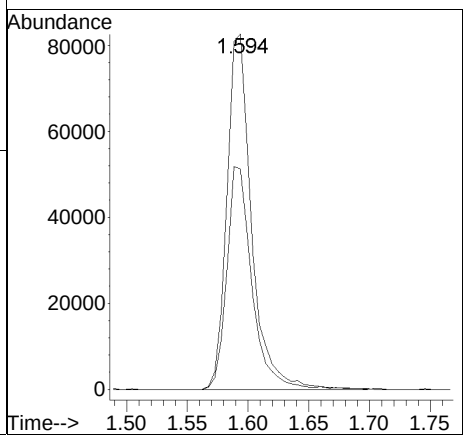


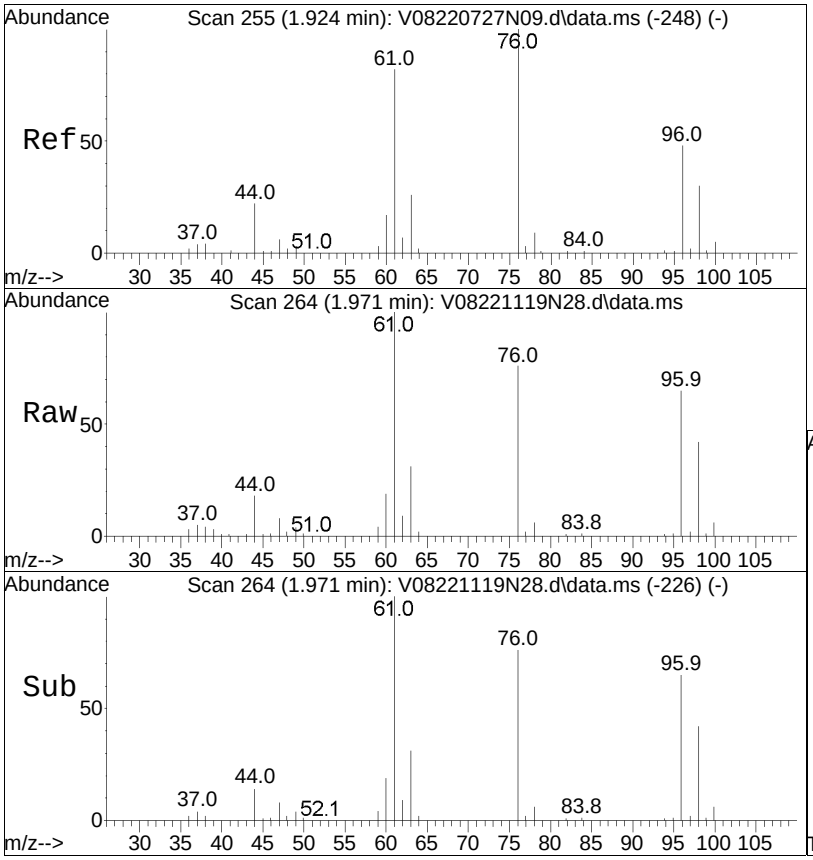


#7
Trichlorofluoromethane
Concen: 11.54 ug/L
RT: 1.594 min Scan# 192
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:101 Resp: 116868

Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.8	80.6

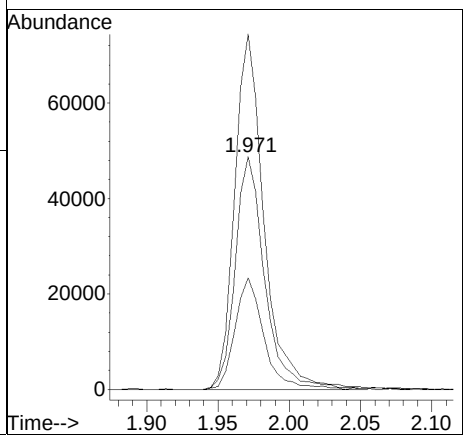


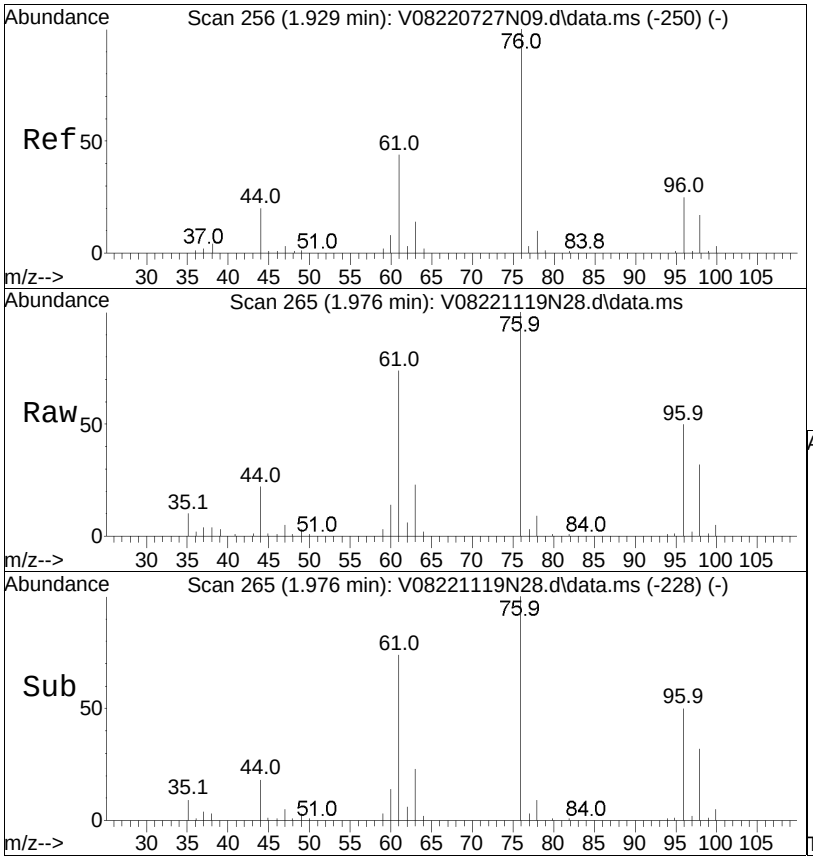


#10
1,1-Dichloroethene
Concen: 11.75 ug/L
RT: 1.971 min Scan# 264
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 96 Resp: 70328

Ion	Ratio	Lower	Upper
96	100		
61	152.6	186.1	279.1#
63	46.8	57.6	86.4#

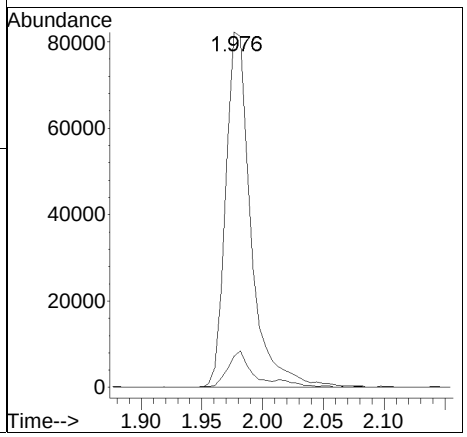


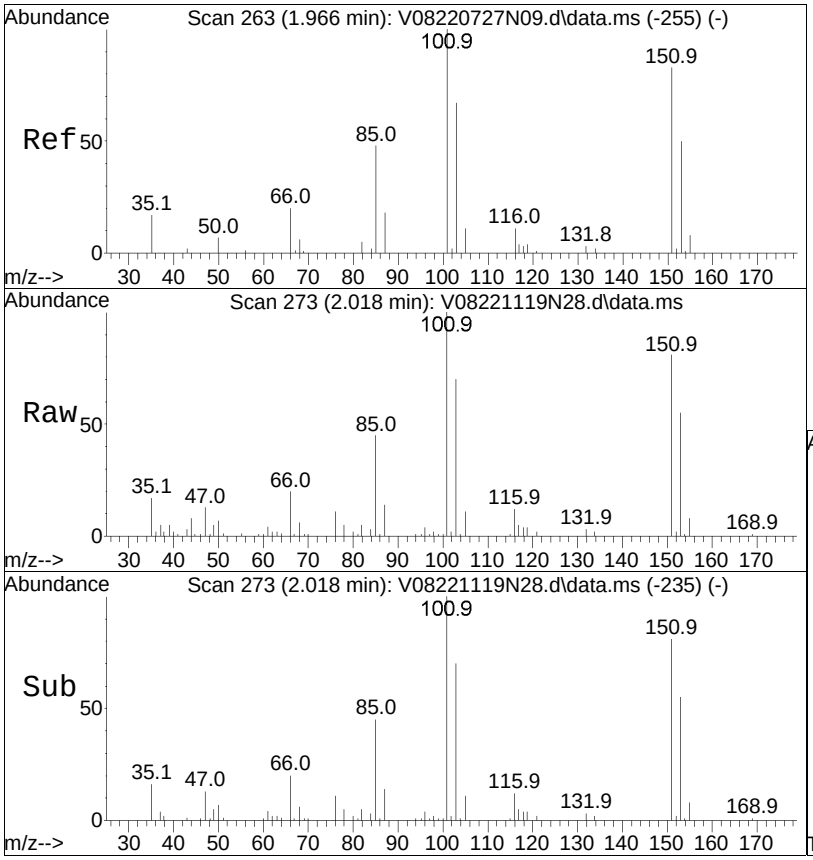


#11
Carbon disulfide
Concen: 11.52 ug/L
RT: 1.976 min Scan# 265
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 76 Resp: 119679

Ion	Ratio	Lower	Upper
76	100		
78	9.5	5.7	11.7

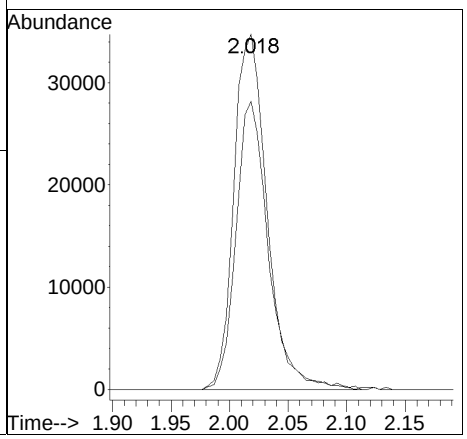


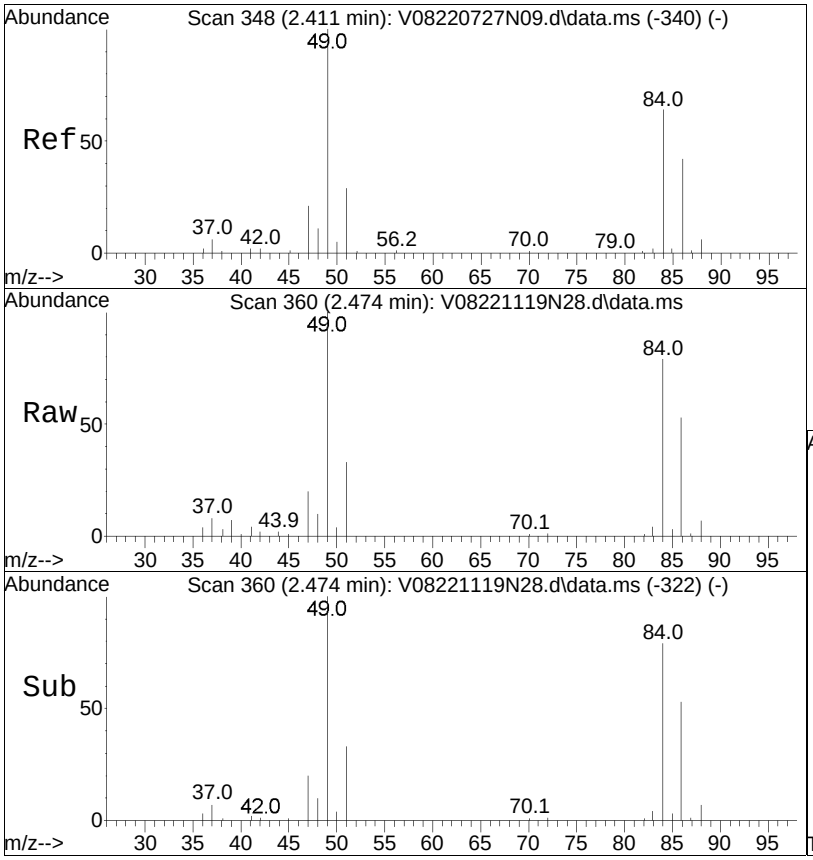


#12
Freon-113
Concen: 11.20 ug/L
RT: 2.018 min Scan# 273
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:101 Resp: 68851

Ion	Ratio	Lower	Upper
101	100		
151	78.8	59.8	89.8

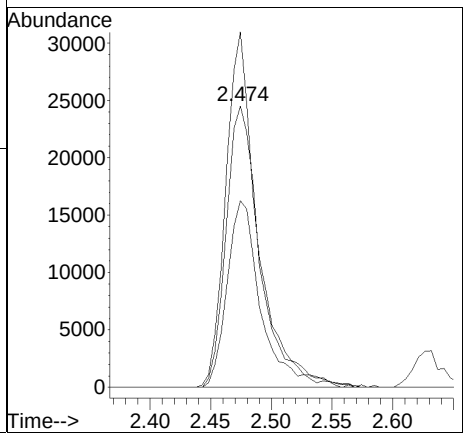


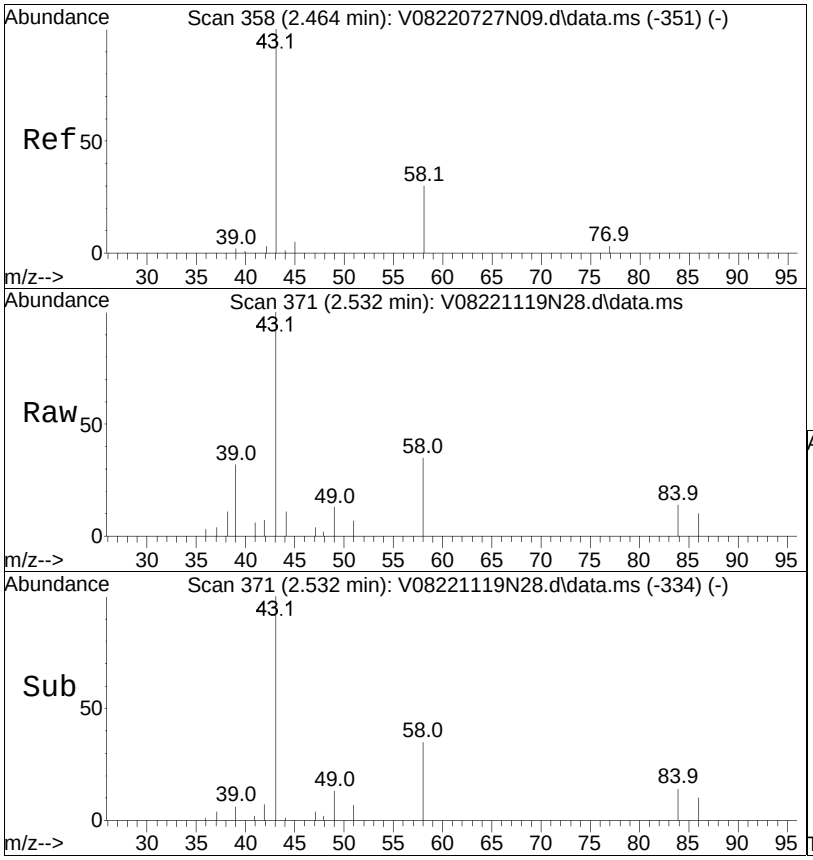


#15
Methylene chloride
Concen: 9.49 ug/L
RT: 2.474 min Scan# 360
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 84 Resp: 48270

Ion	Ratio	Lower	Upper
84	100		
86	64.9	40.4	83.8
49	117.3	120.0	249.2#

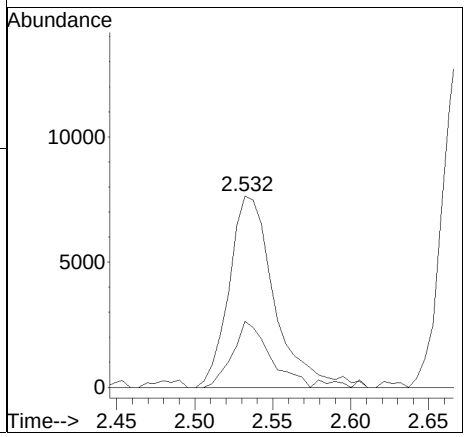


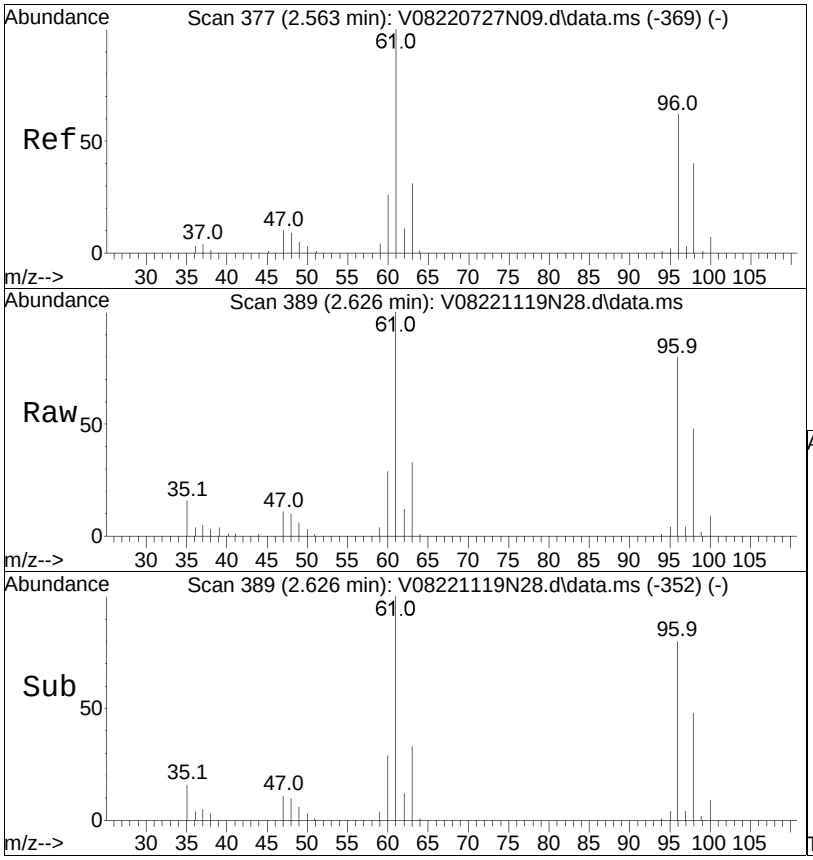


#17
Acetone
Concen: 11.07 ug/L
RT: 2.532 min Scan# 371
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 43 Resp: 15463

Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.2	36.4

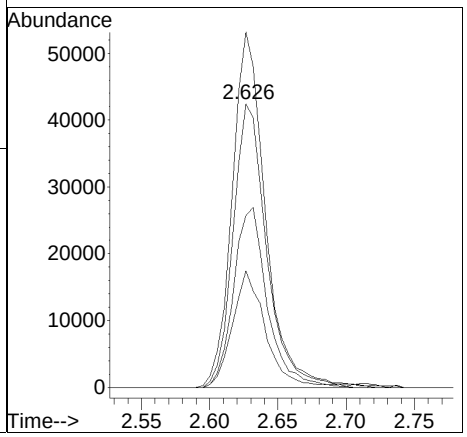


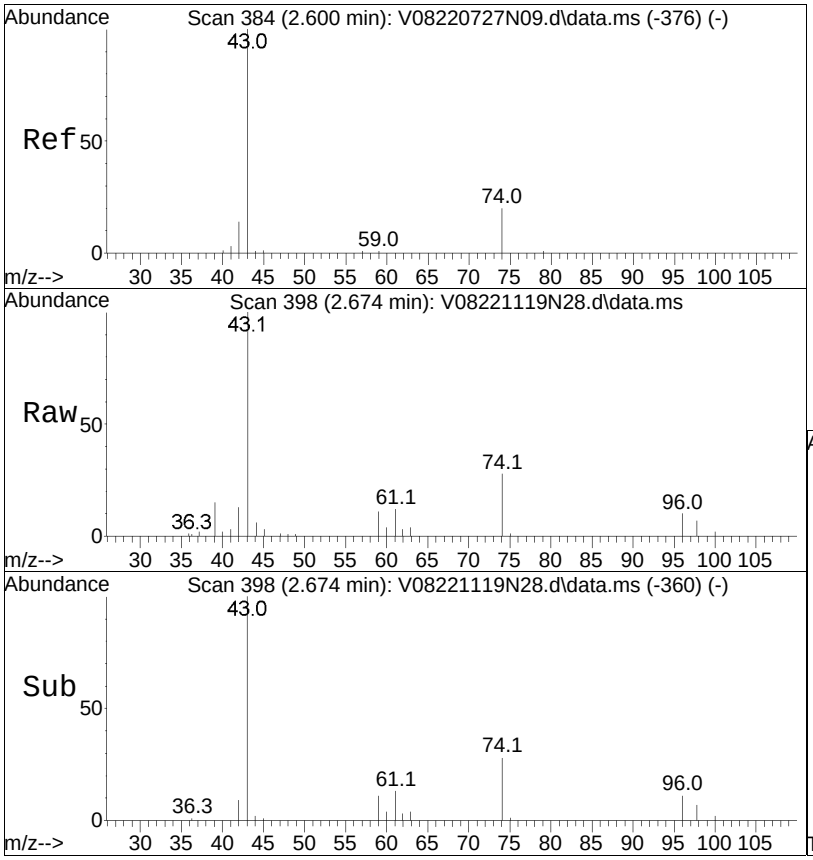


#18
trans-1,2-Dichloroethene
Concen: 15.06 ug/L
RT: 2.626 min Scan# 389
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 96 Resp: 73076

Ion	Ratio	Lower	Upper
96	100		
61	123.6	124.0	257.6#
98	63.7	41.2	85.6
63	40.1	38.4	79.7

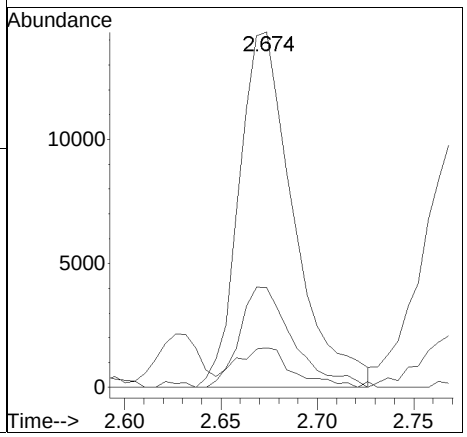


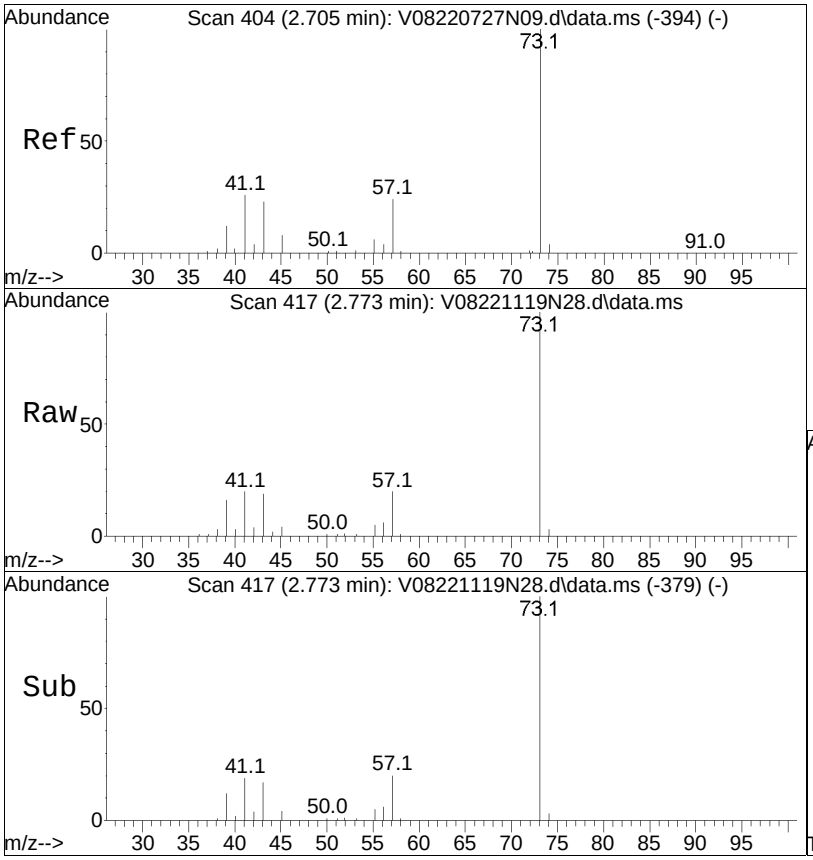


#19
Methyl acetate
Concen: 8.08 ug/L
RT: 2.674 min Scan# 398
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 43 Resp: 28216

Ion	Ratio	Lower	Upper
43	100		
74	27.5	14.2	21.4#
59	11.6	5.0	7.6#

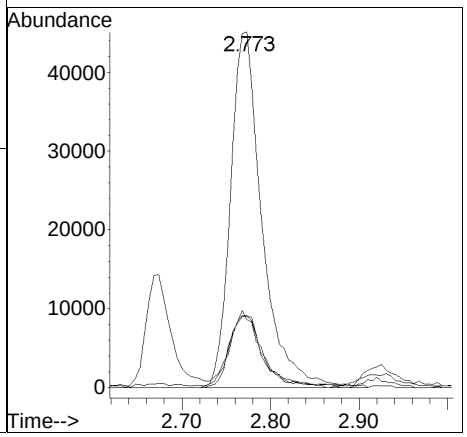


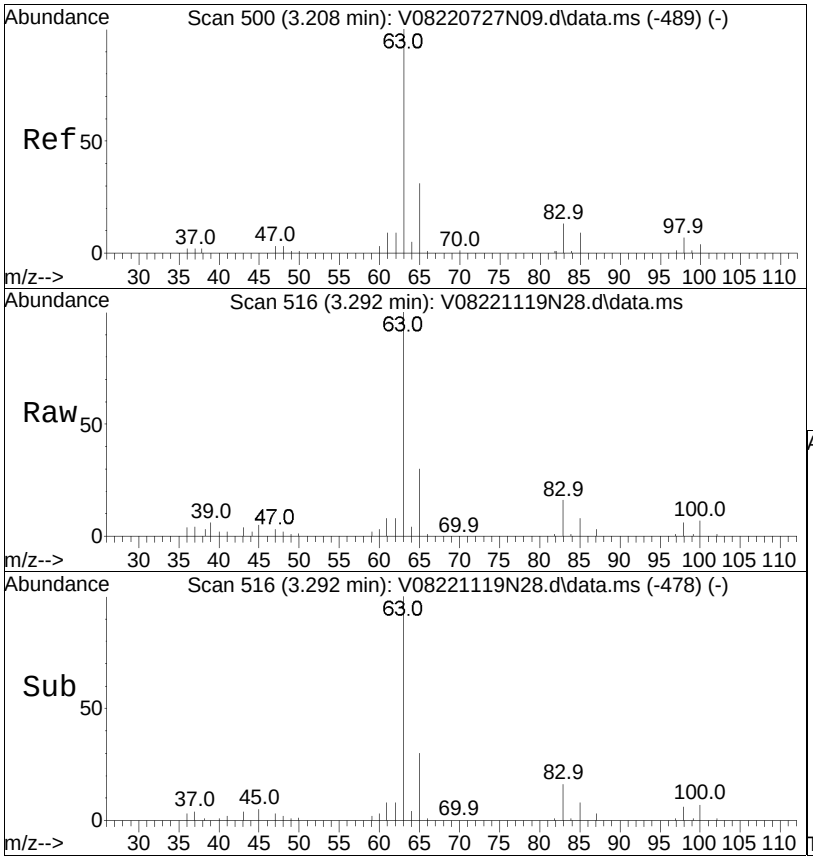


#20
Methyl tert-butyl ether
Concen: 8.59 ug/L
RT: 2.773 min Scan# 417
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 73 Resp: 111636

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.5	36.3
43	19.3	15.3	31.9
41	20.5	15.3	31.7

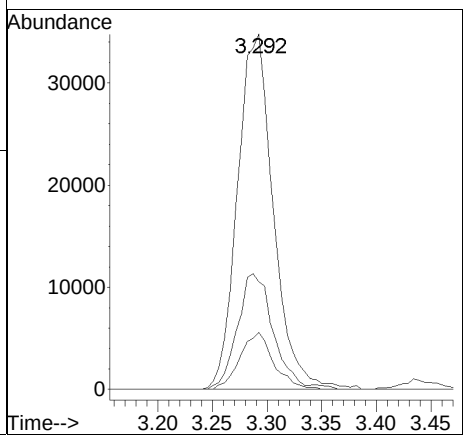


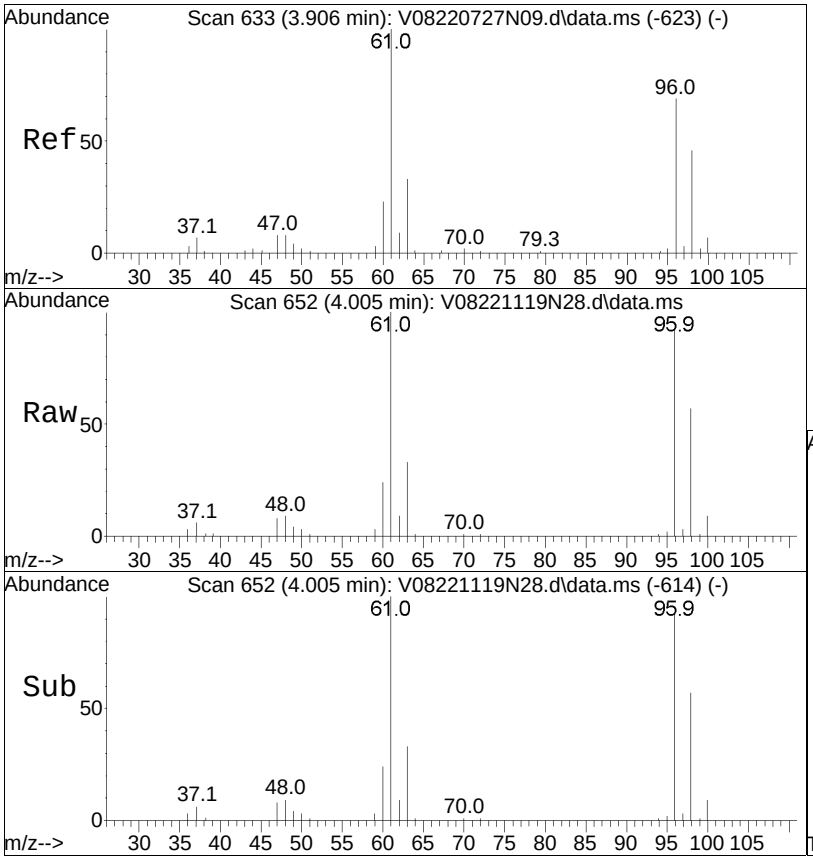


#23
1,1-Dichloroethane
Concen: 10.15 ug/L
RT: 3.292 min Scan# 516
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 63 Resp: 79562

Ion	Ratio	Lower	Upper
63	100		
65	32.8	11.0	51.0
83	15.1	0.0	31.8

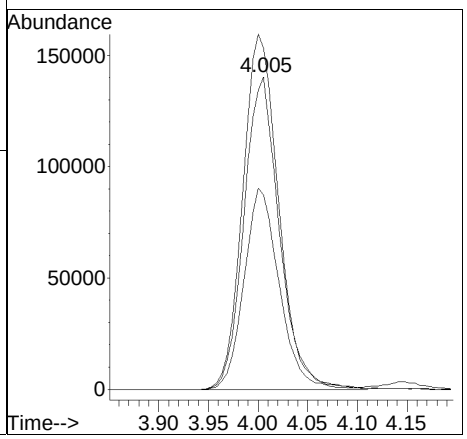


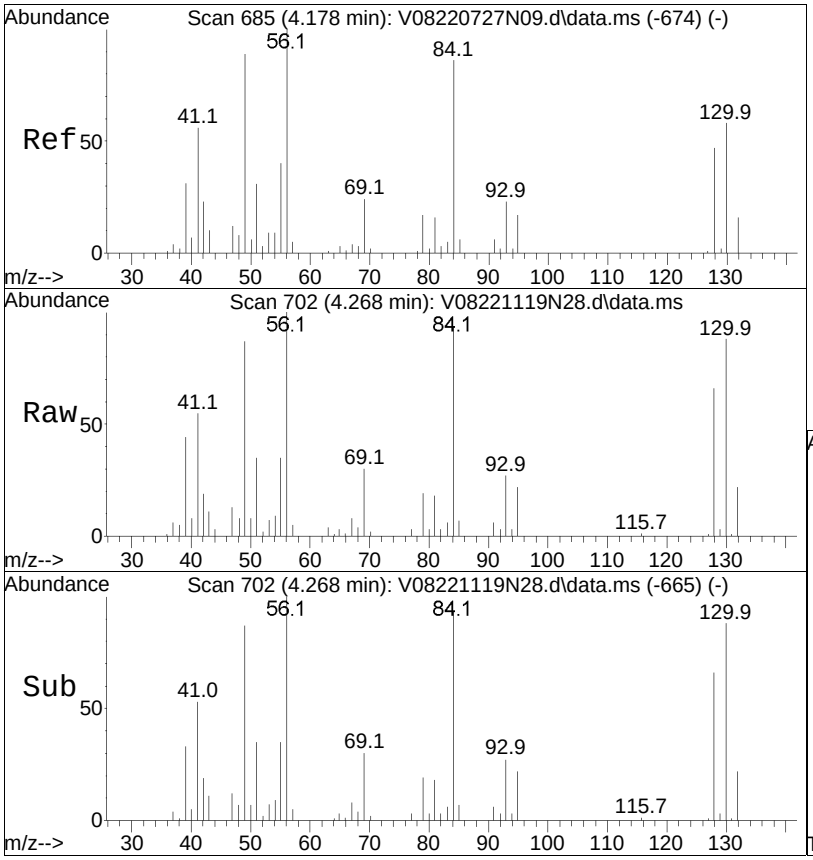


#28
cis-1,2-Dichloroethene
Concen: 61.99 ug/L
RT: 4.005 min Scan# 652
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 96 Resp: 347645

Ion	Ratio	Lower	Upper
96	100		
61	115.8	149.4	224.2#
98	64.2	53.4	80.2

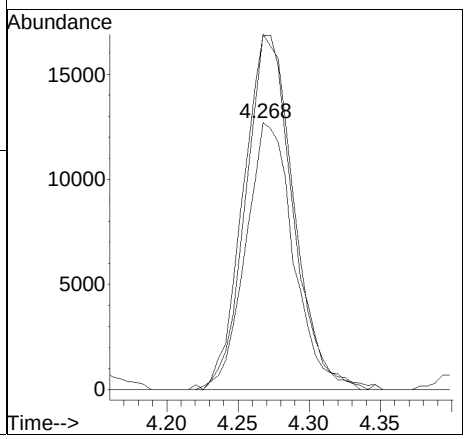


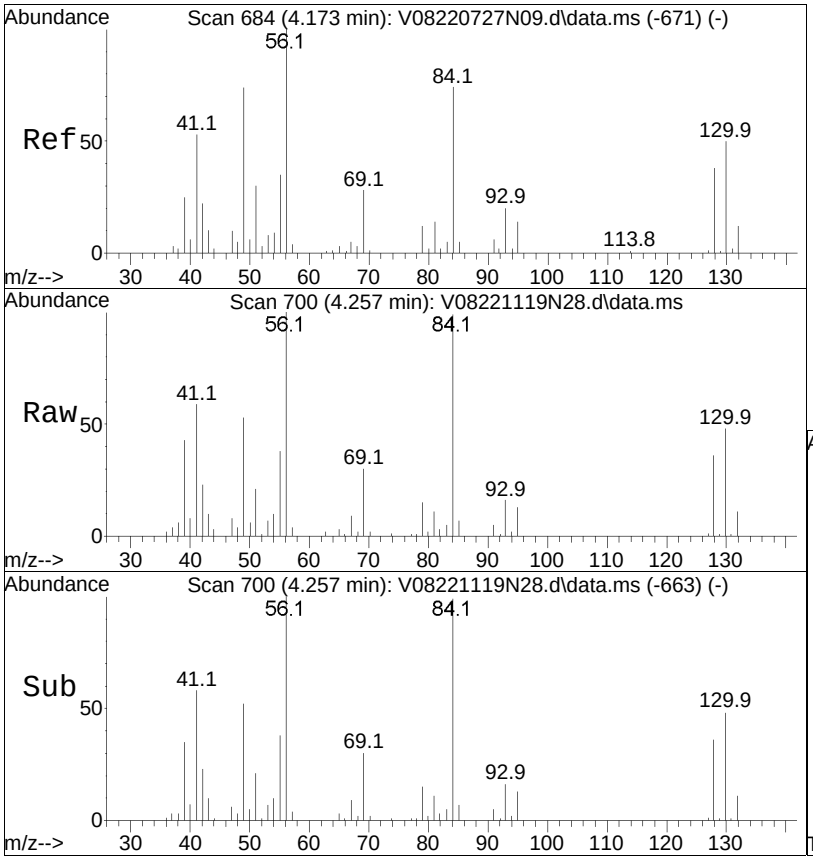


#30
Bromochloromethane
Concen: 9.54 ug/L
RT: 4.268 min Scan# 702
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:128 Resp: 29567

Ion	Ratio	Lower	Upper
128	100		
49	137.6	223.0	334.4#
130	133.3	111.4	167.0

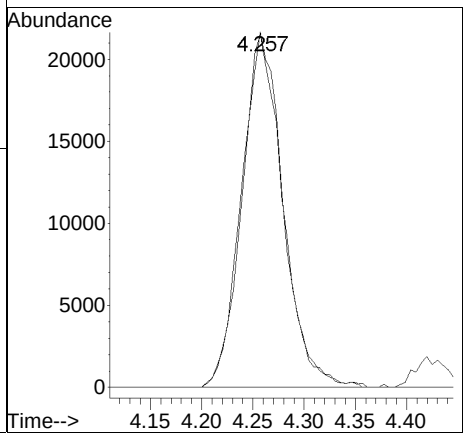


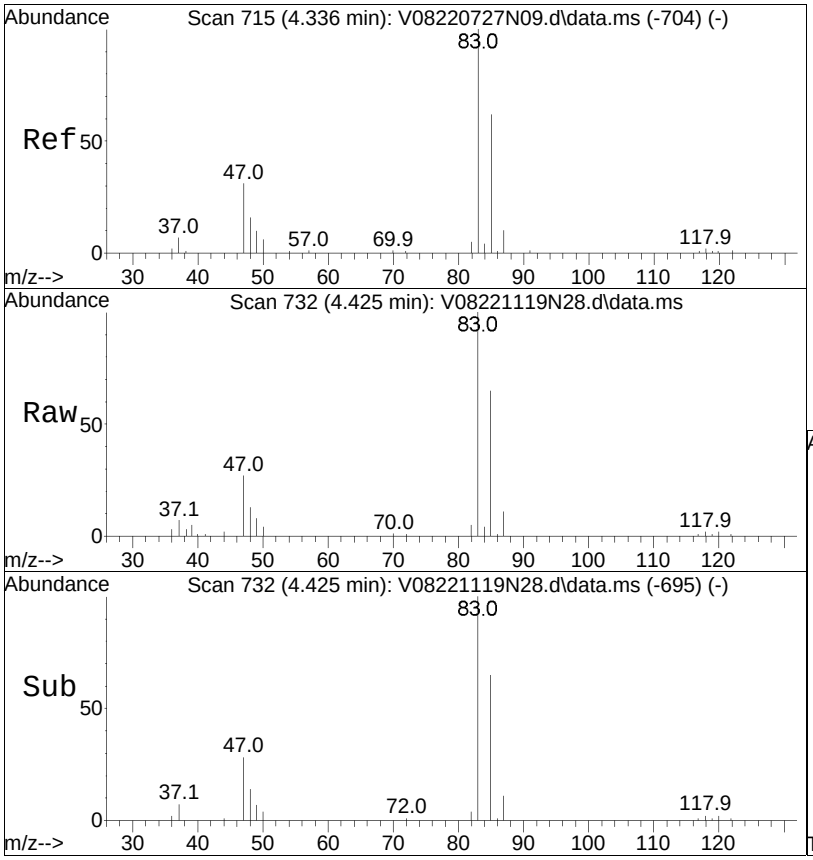


#31
Cyclohexane
Concen: 9.07 ug/L
RT: 4.257 min Scan# 700
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 56 Resp: 61136

Ion	Ratio	Lower	Upper
56	100		
84	97.8	38.4	79.8#

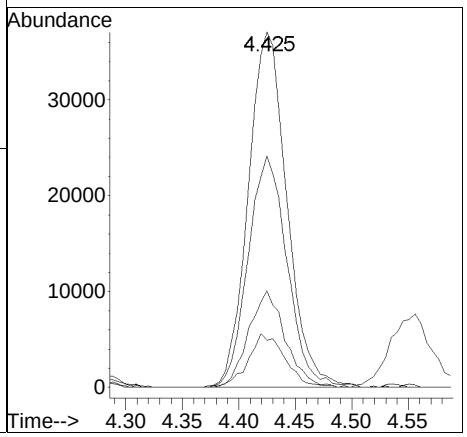


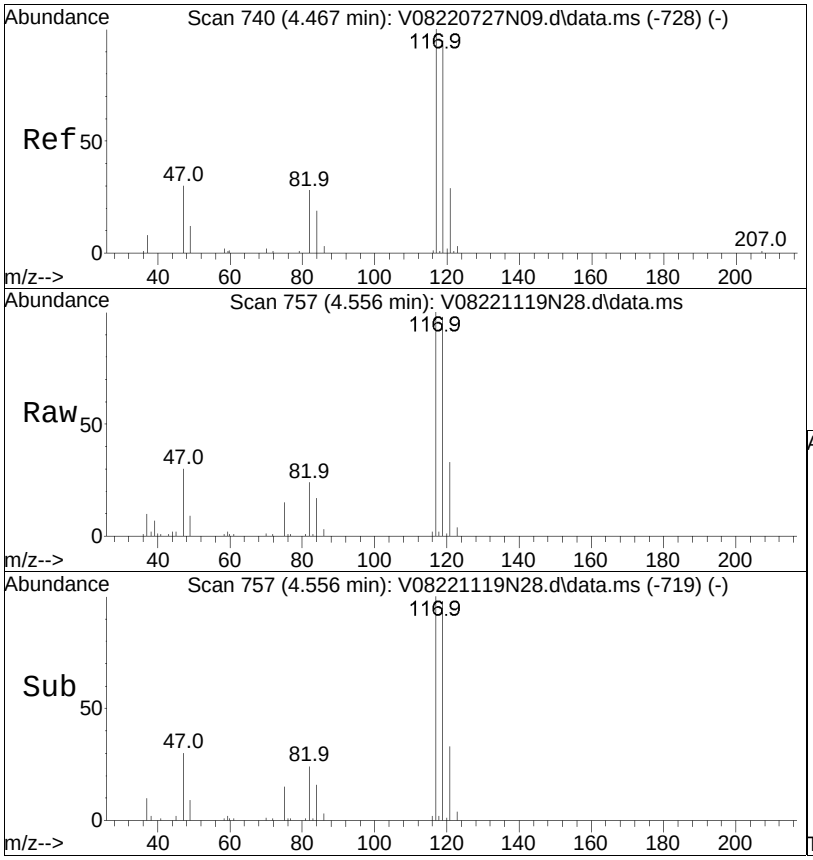


#32
Chloroform
Concen: 9.89 ug/L
RT: 4.425 min Scan# 732
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 83 Resp: 88461

Ion	Ratio	Lower	Upper
83	100		
85	65.9	41.5	86.1
47	25.8	19.0	39.4
48	14.4	9.9	20.5

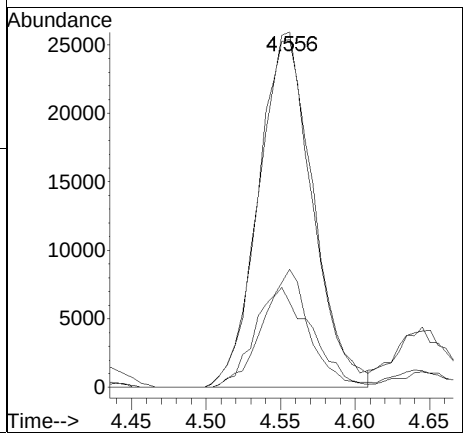


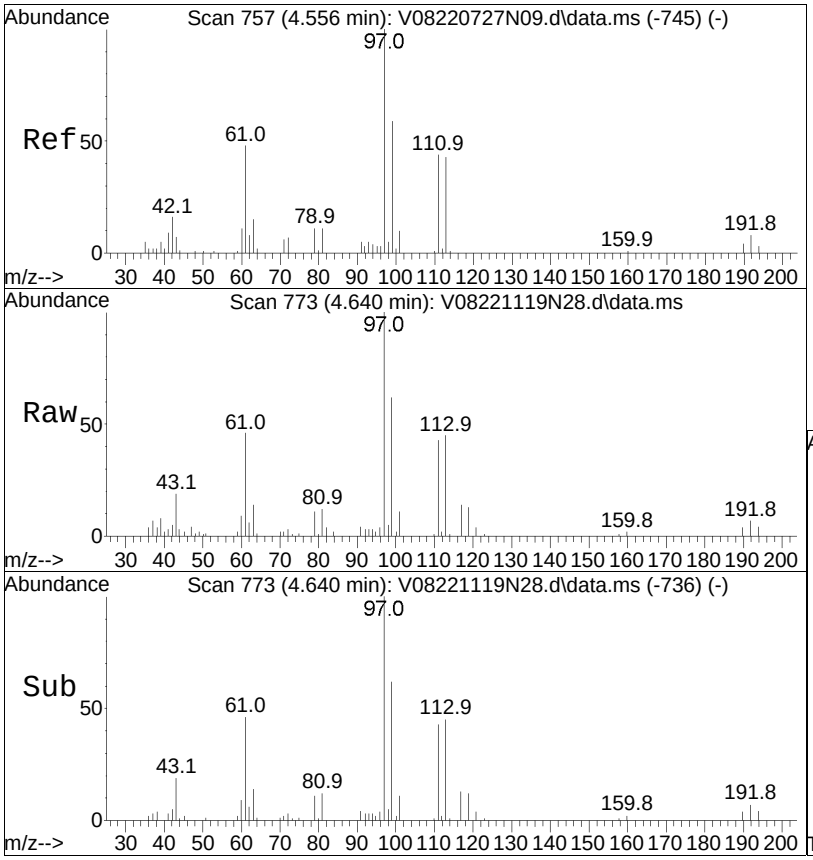


#34
Carbon tetrachloride
Concen: 9.26 ug/L
RT: 4.556 min Scan# 757
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:117 Resp: 65639

Ion	Ratio	Lower	Upper
117	100		
119	98.7	62.4	129.6
121	31.9	19.5	40.5
82	25.9	17.0	35.4

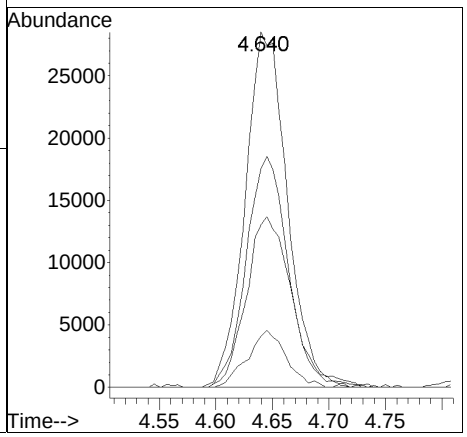


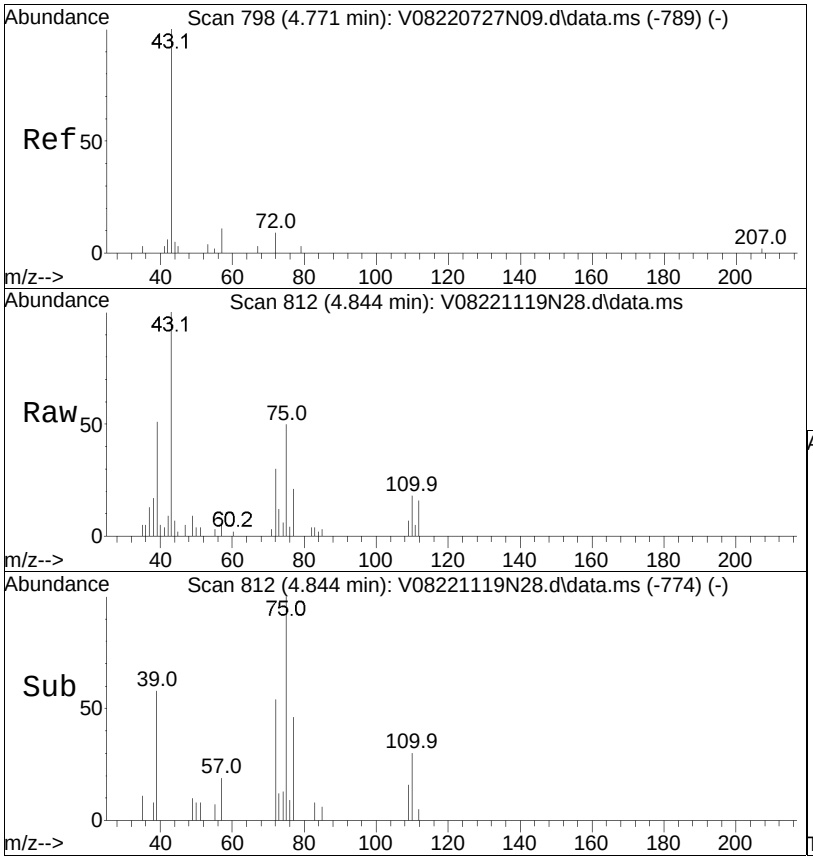


#37
1,1,1-Trichloroethane
Concen: 9.50 ug/L
RT: 4.640 min Scan# 773
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 97 Resp: 74519

Ion	Ratio	Lower	Upper
97	100		
99	64.1	40.7	84.5
61	51.5	35.4	73.4
63	14.8	5.0	10.4#

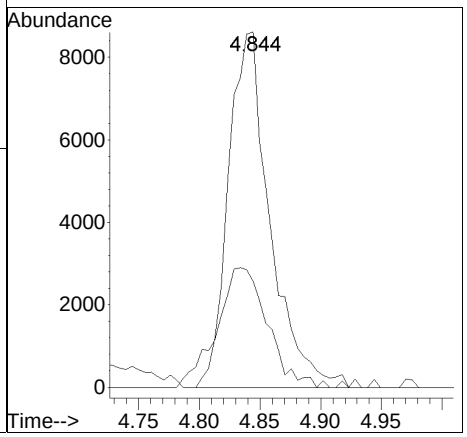


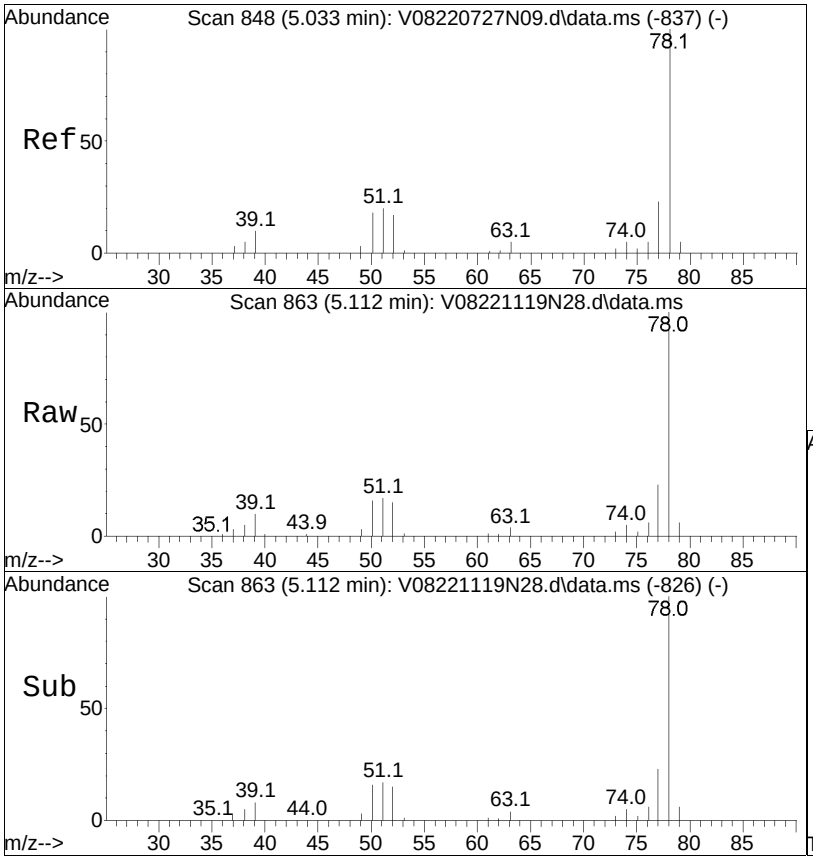


#39
2-Butanone
Concen: 8.84 ug/L
RT: 4.844 min Scan# 812
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 43 Resp: 20543

Ion	Ratio	Lower	Upper
43	100		
72	41.0	10.9	16.3#

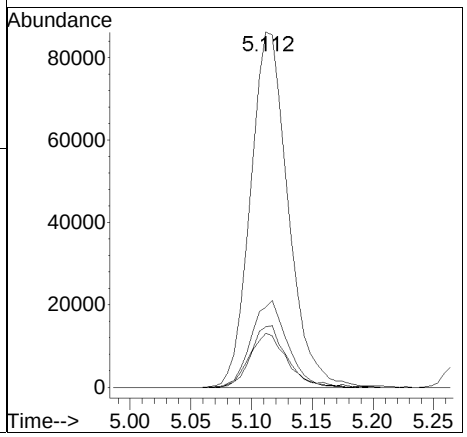


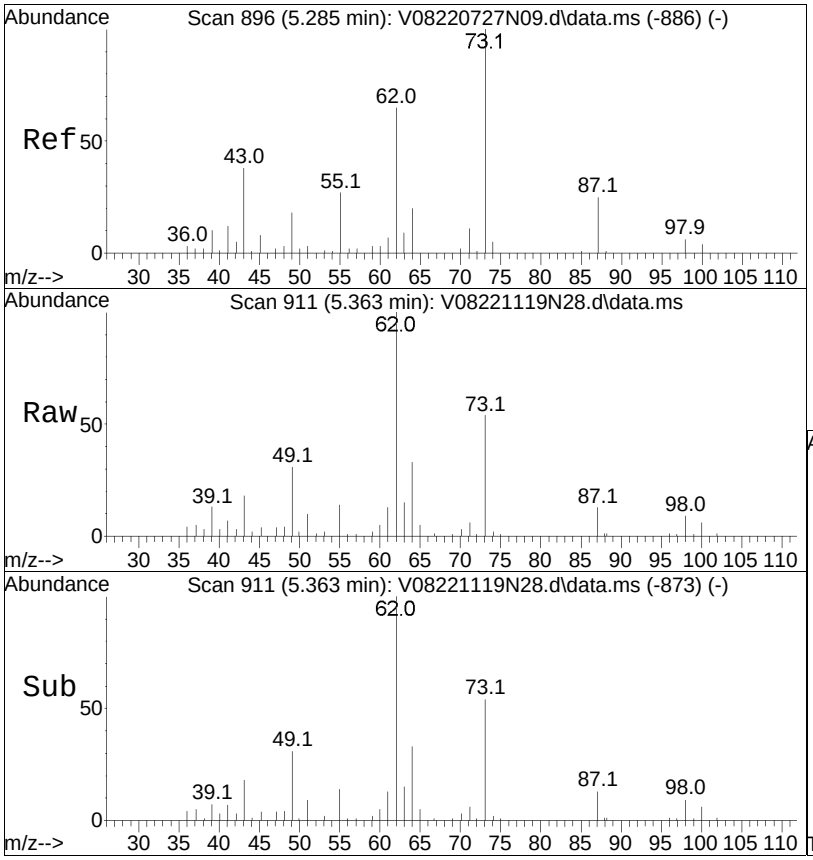


#41
Benzene
Concen: 9.95 ug/L
RT: 5.112 min Scan# 863
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 78 Resp: 186219

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.7	32.7
51	16.8	16.0	33.2
52	14.7	15.3	31.9#

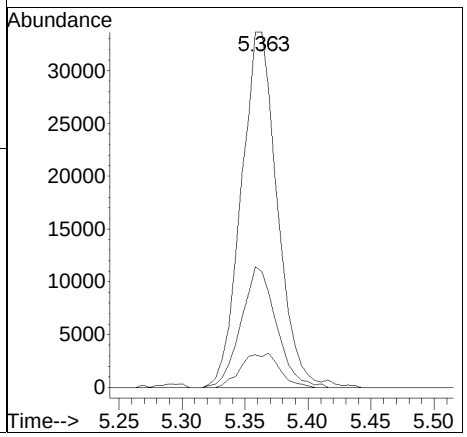


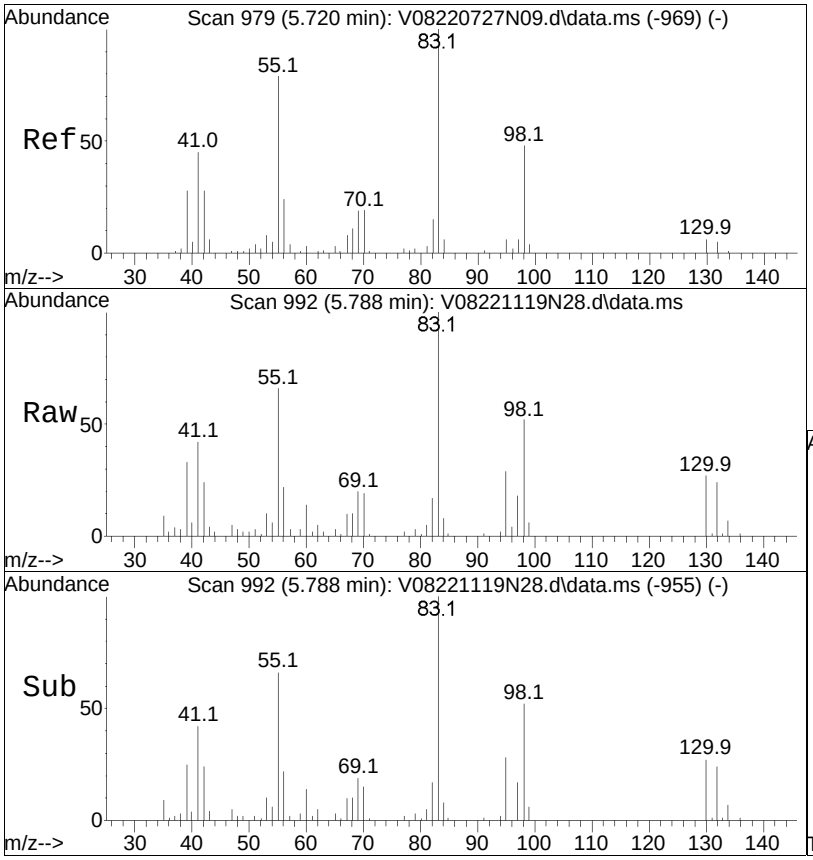


#44
1,2-Dichloroethane
Concen: 9.61 ug/L
RT: 5.363 min Scan# 911
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 62 Resp: 67126

Ion	Ratio	Lower	Upper
62	100		
64	33.1	11.2	51.2
98	10.2	0.0	26.1

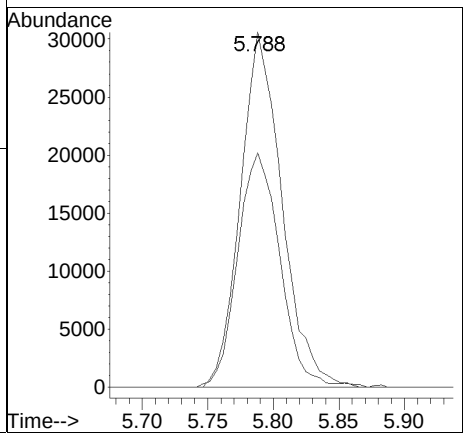


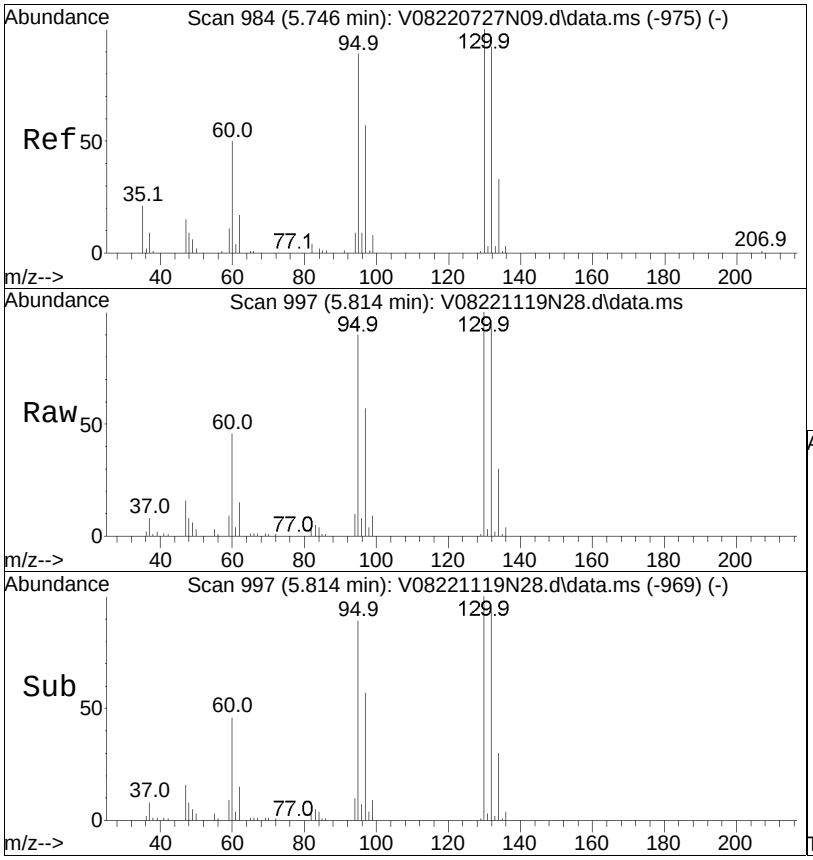


#47
Methyl cyclohexane
Concen: 8.63 ug/L
RT: 5.788 min Scan# 992
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 83 Resp: 67432

Ion	Ratio	Lower	Upper
83	100		
55	67.4	88.3	132.5#

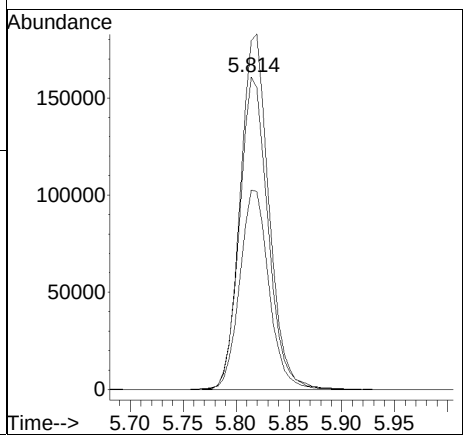


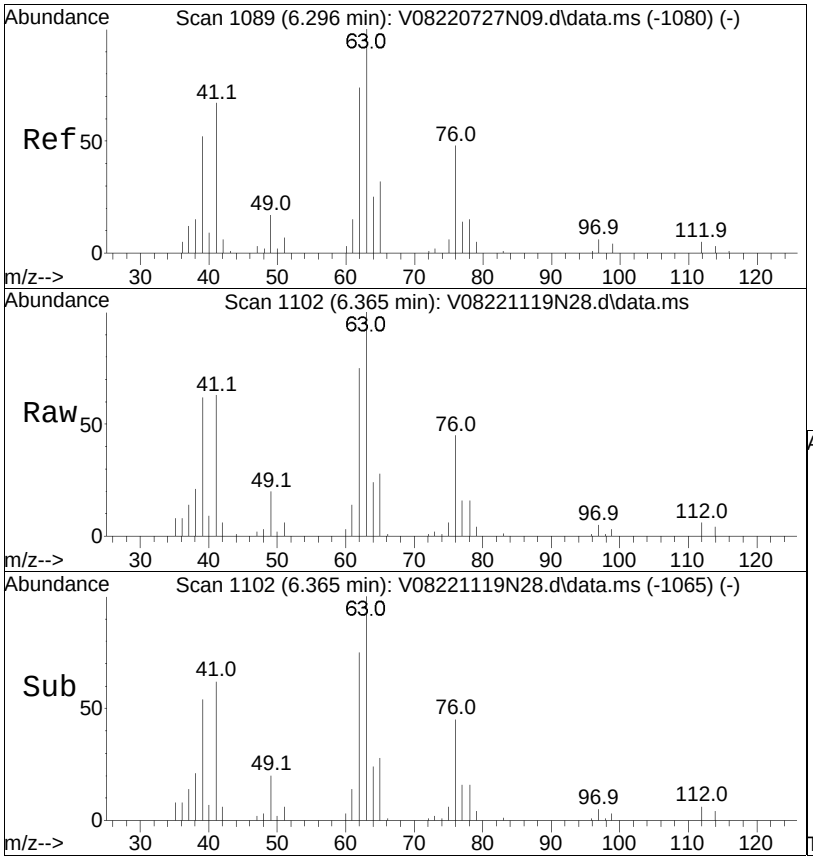


#48
Trichloroethene
Concen: 55.29 ug/L
RT: 5.814 min Scan# 997
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 95 Resp: 300741

Ion	Ratio	Lower	Upper
95	100		
97	65.6	55.5	83.3
130	114.4	76.6	115.0

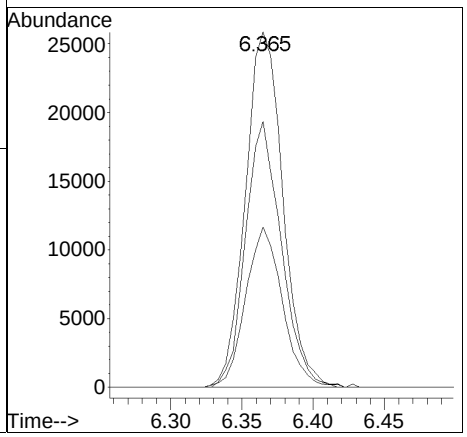


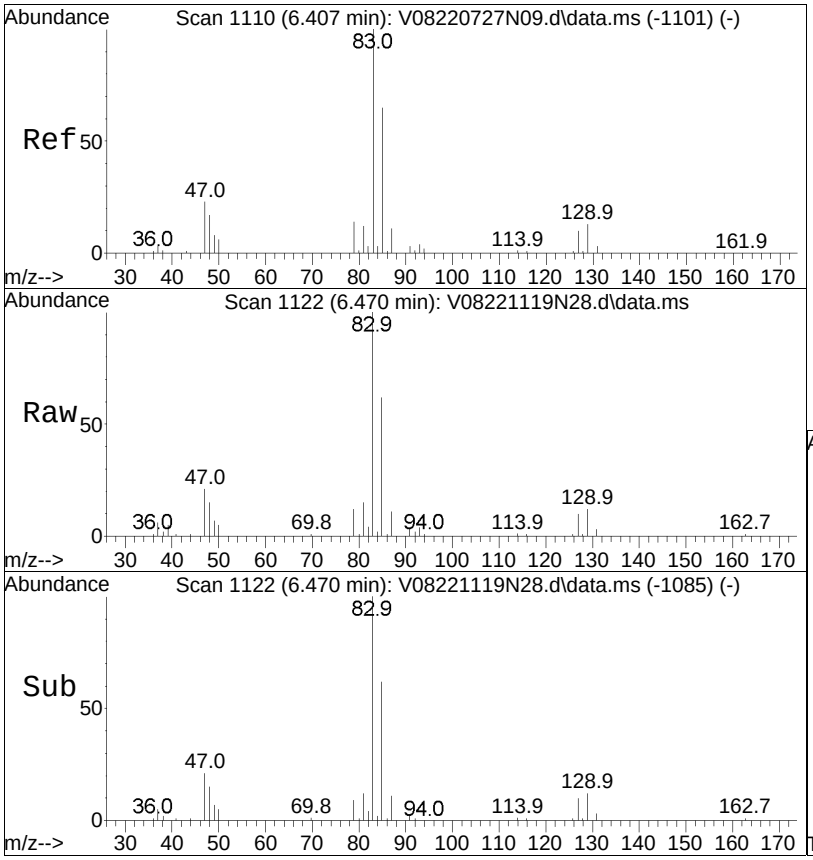


#51
1,2-Dichloropropane
Concen: 10.06 ug/L
RT: 6.365 min Scan# 1102
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 63 Resp: 47581

Ion	Ratio	Lower	Upper
63	100		
62	71.4	58.6	87.8
76	44.1	38.0	57.0

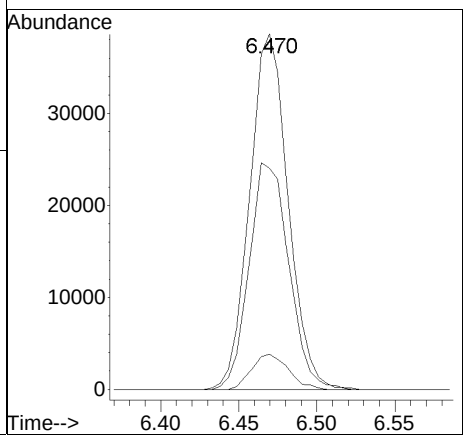


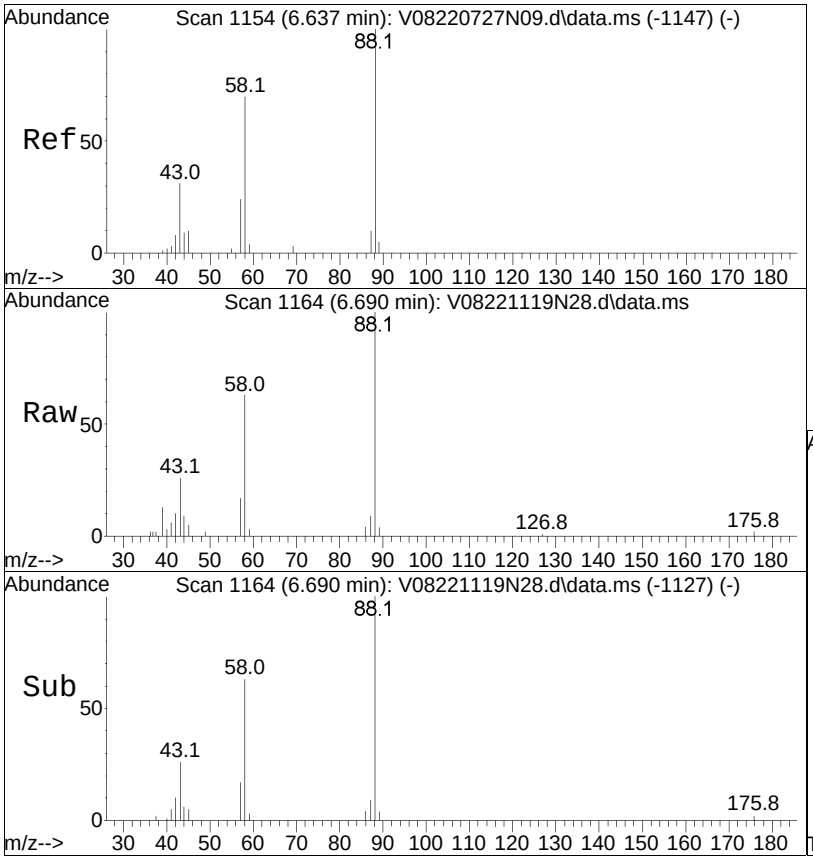


#54
Bromodichloromethane
Concen: 9.37 ug/L
RT: 6.470 min Scan# 1122
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 83 Resp: 66182

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5
127	9.5	6.2	9.4#

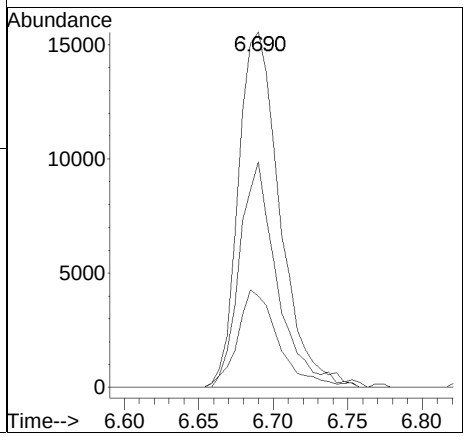


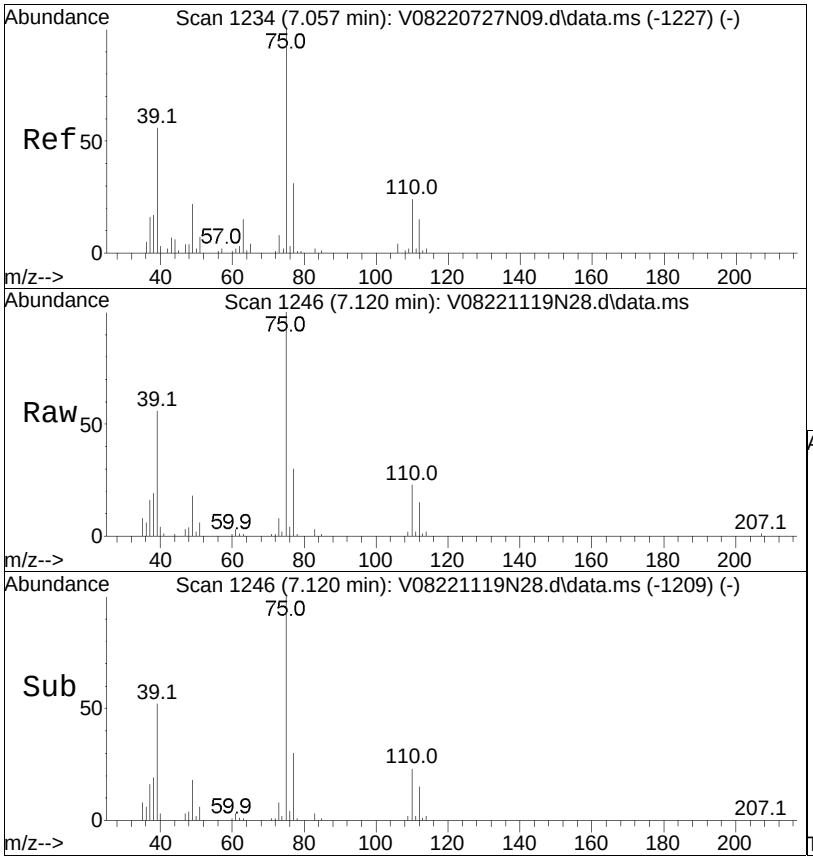


#57
1,4-Dioxane
Concen: 551.08 ug/L
RT: 6.690 min Scan# 1164
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 88 Resp: 30325

Ion	Ratio	Lower	Upper
88	100		
58	57.6	76.7	115.1#
43	27.0	36.2	54.2#

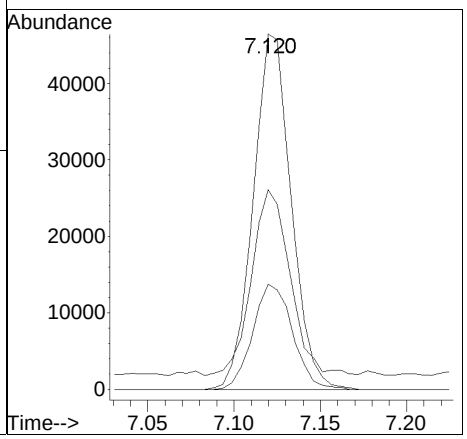


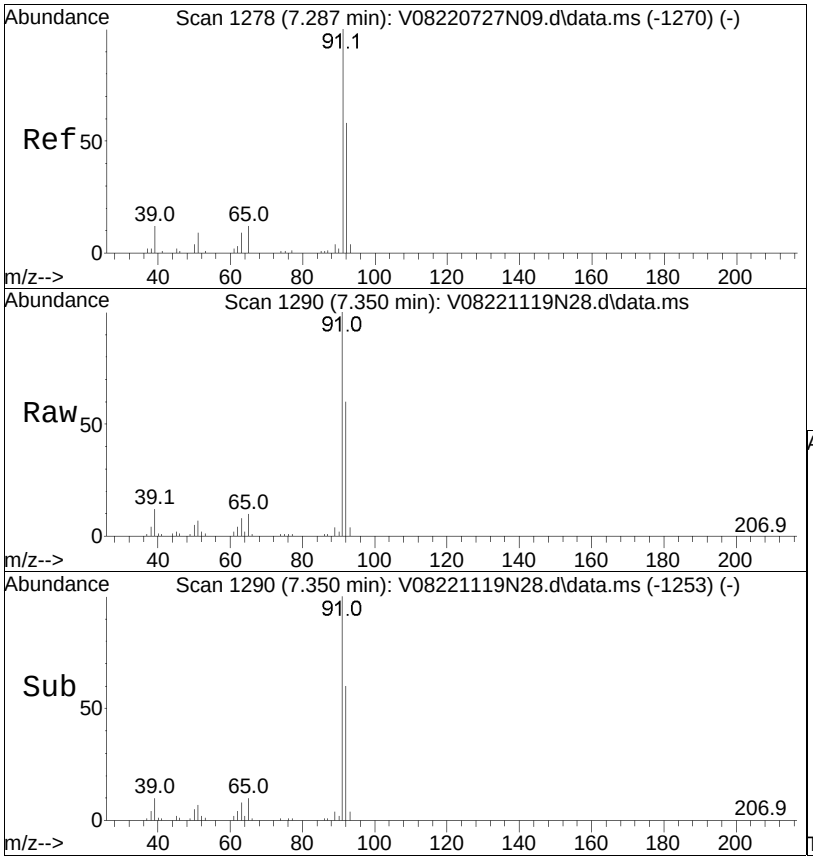


#58
cis-1,3-Dichloropropene
Concen: 8.55 ug/L
RT: 7.120 min Scan# 1246
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 75 Resp: 71136

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	53.1	50.1	75.1

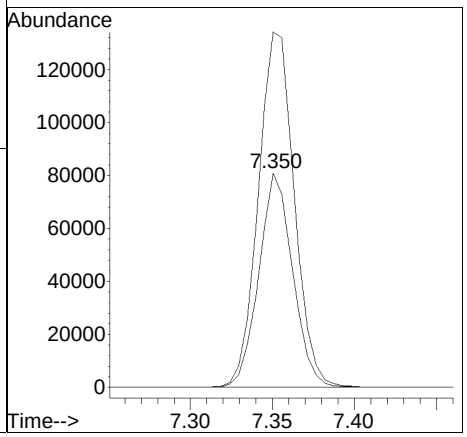


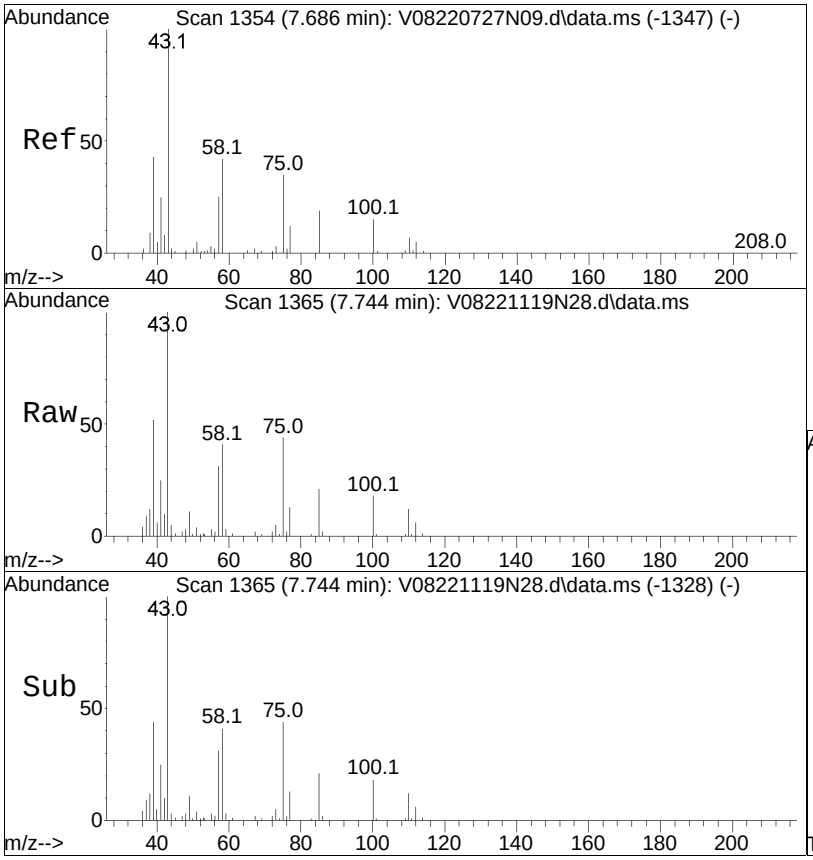


#61
Toluene
Concen: 9.85 ug/L
RT: 7.350 min Scan# 1290
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 92 Resp: 116232

Ion	Ratio	Lower	Upper
92	100		
91	175.7	139.8	209.6

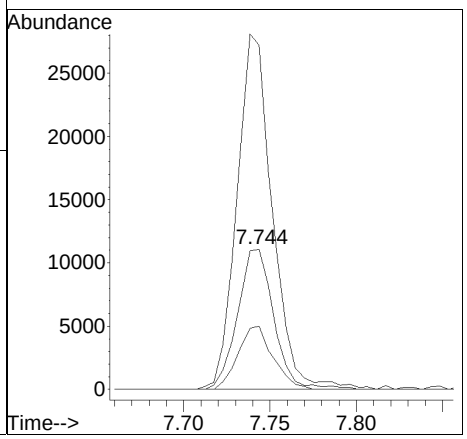


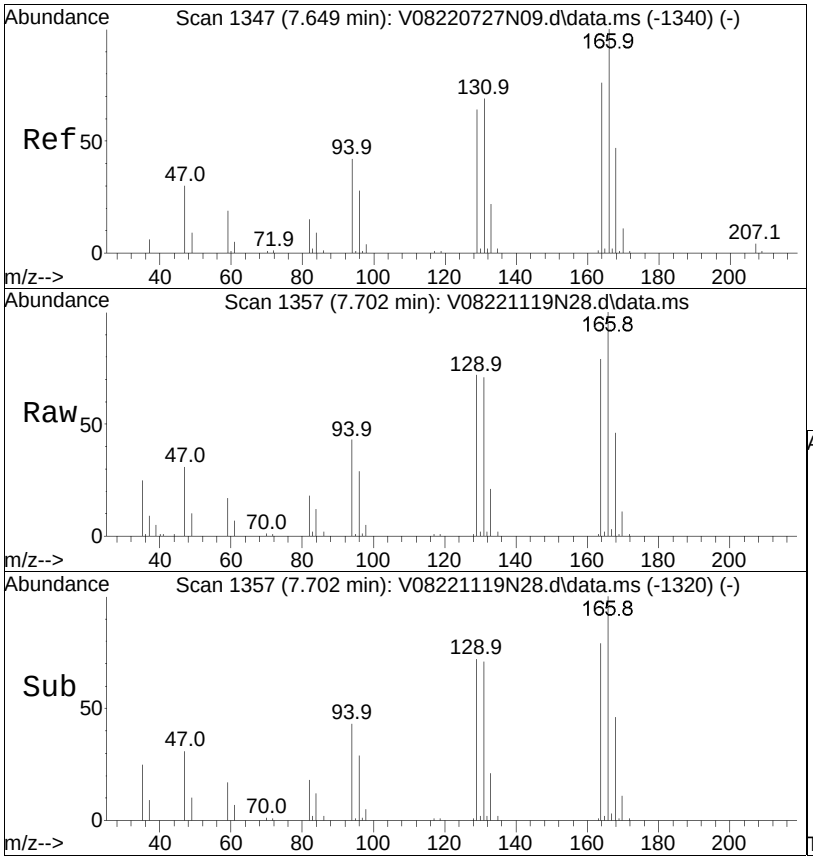


#62
4-Methyl-2-pentanone
Concen: 9.46 ug/L
RT: 7.744 min Scan# 1365
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 58 Resp: 16197

Ion	Ratio	Lower	Upper
58	100		
100	43.6	20.2	30.2#
43	247.5	196.6	295.0

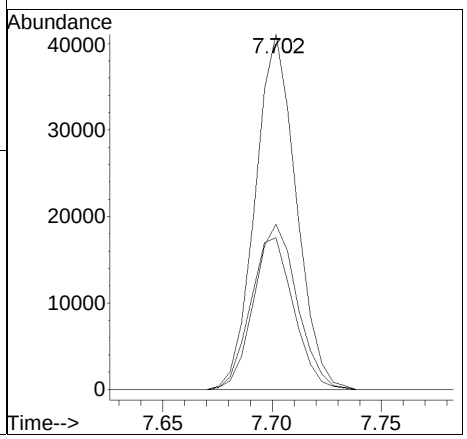


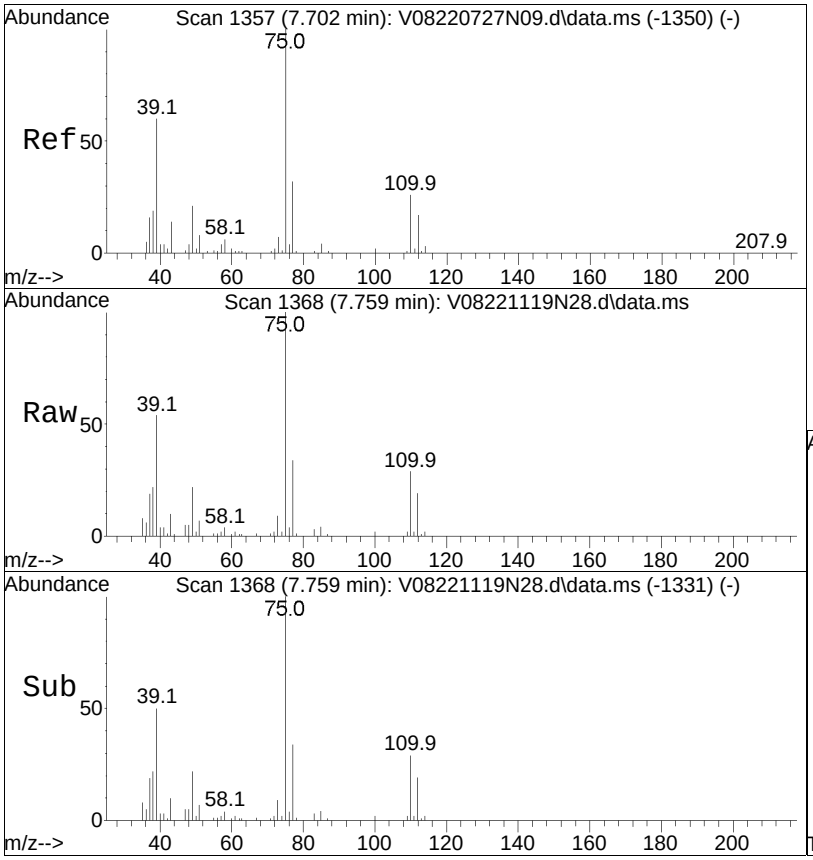


#63
Tetrachloroethene
Concen: 9.50 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:166 Resp: 53494

Ion	Ratio	Lower	Upper
166	100		
168	48.8	28.2	68.2
94	45.1	38.4	78.4

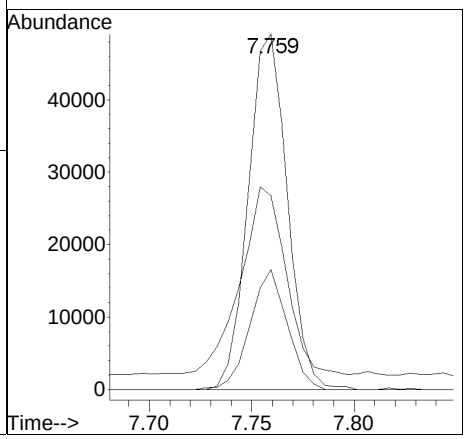


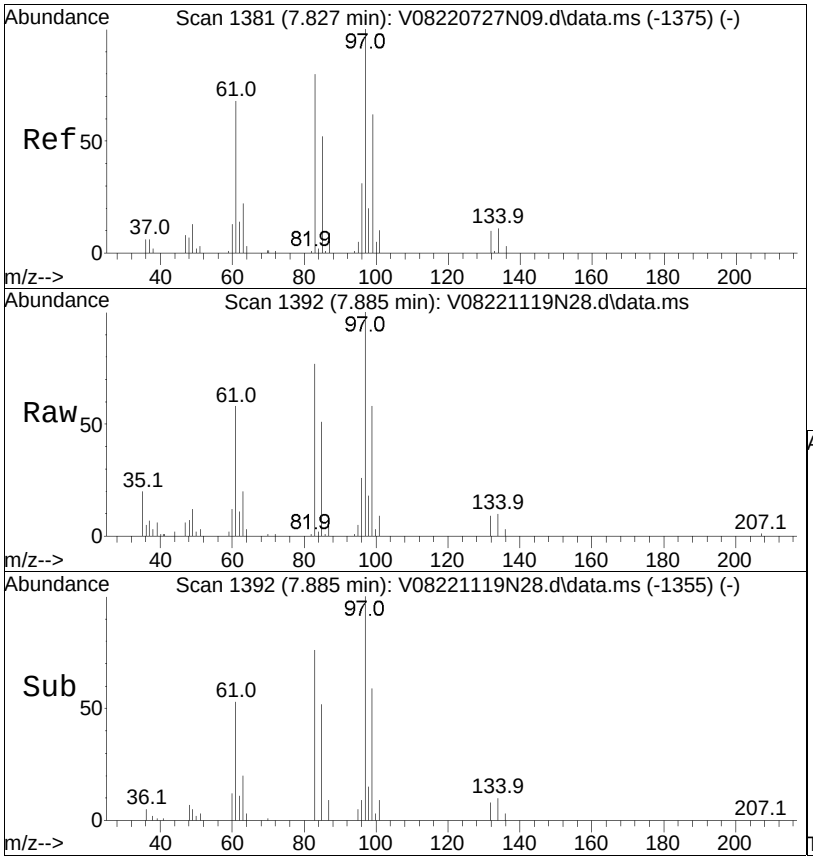


#65
trans-1,3-Dichloropropene
Concen: 8.84 ug/L
RT: 7.759 min Scan# 1368
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 75 Resp: 64928

Ion	Ratio	Lower	Upper
75	100		
77	32.1	12.4	52.4
39	63.0	42.8	82.8

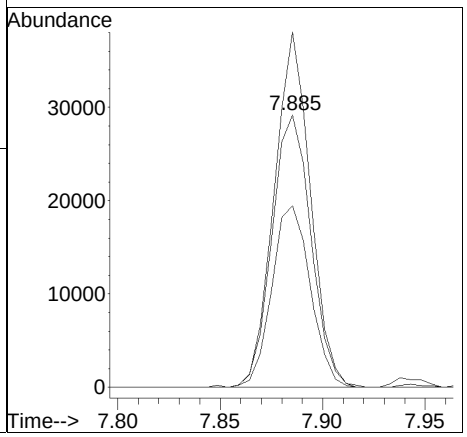


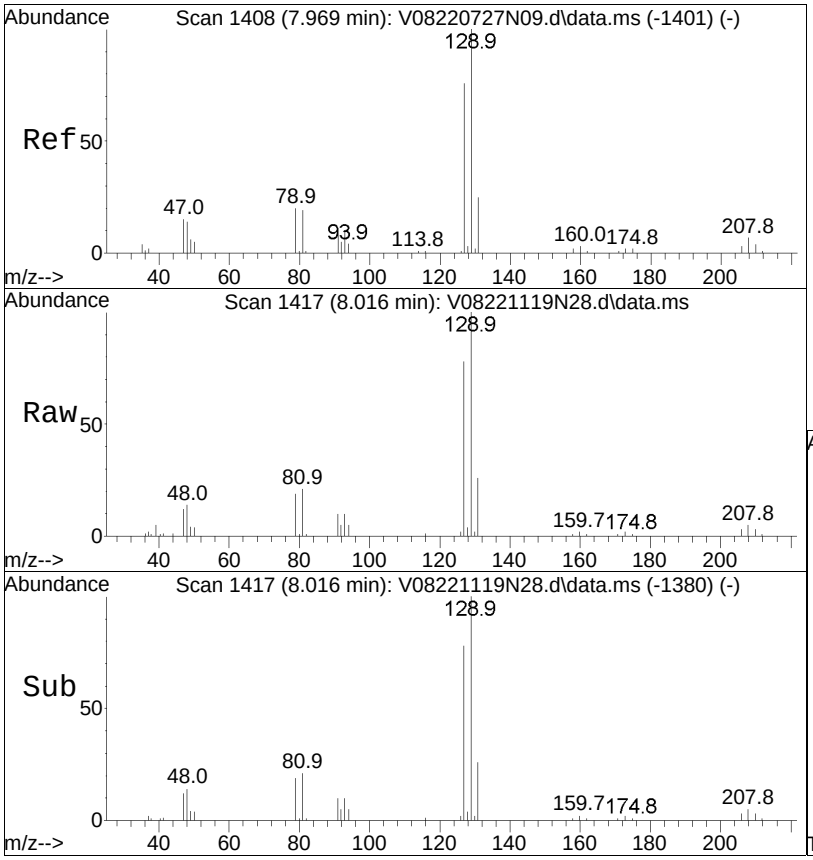


#68
1,1,2-Trichloroethane
Concen: 10.39 ug/L
RT: 7.885 min Scan# 1392
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 83 Resp: 38786

Ion	Ratio	Lower	Upper
83	100		
97	120.7	89.8	129.8
85	65.8	44.4	84.4

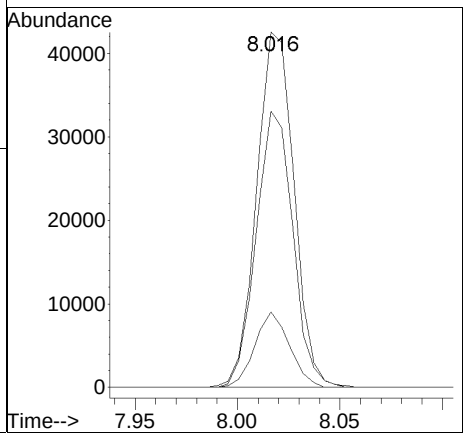


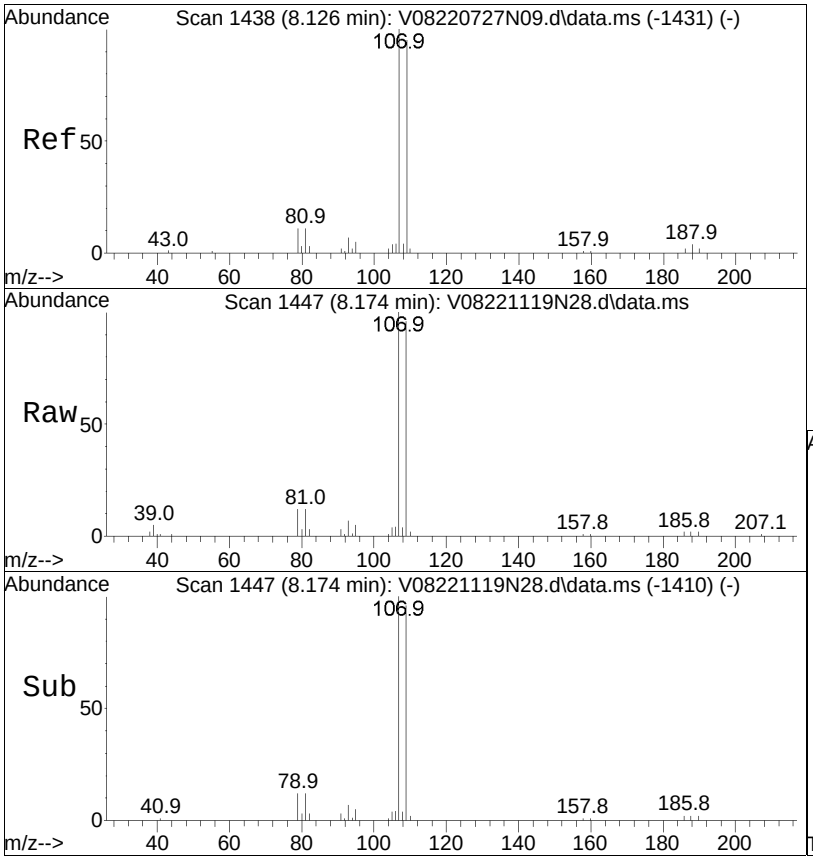


#69
Chlorodibromomethane
Concen: 9.33 ug/L
RT: 8.016 min Scan# 1417
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:129 Resp: 54078

Ion	Ratio	Lower	Upper
129	100		
81	19.7	2.9	42.9
127	76.3	57.8	97.8

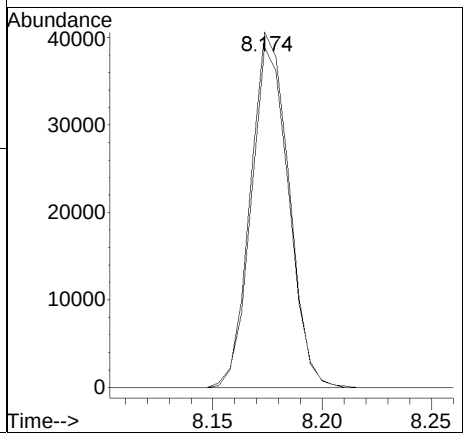


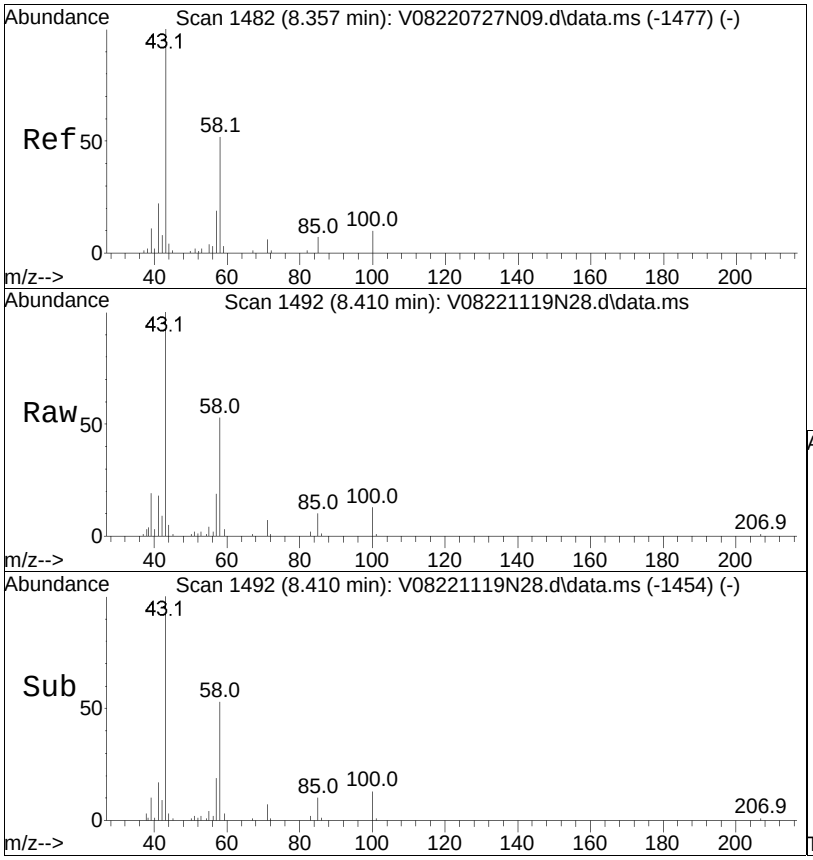


#71
1,2-Dibromoethane
Concen: 9.82 ug/L
RT: 8.174 min Scan# 1447
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:107 Resp: 49430

Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.3	111.5

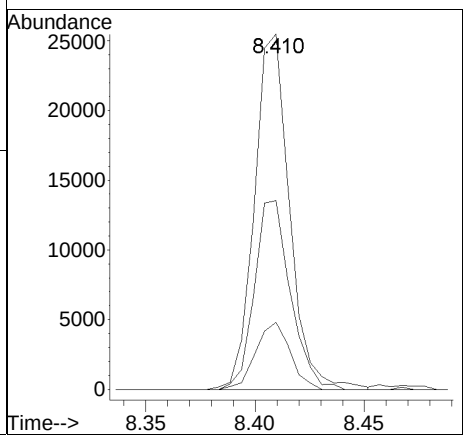


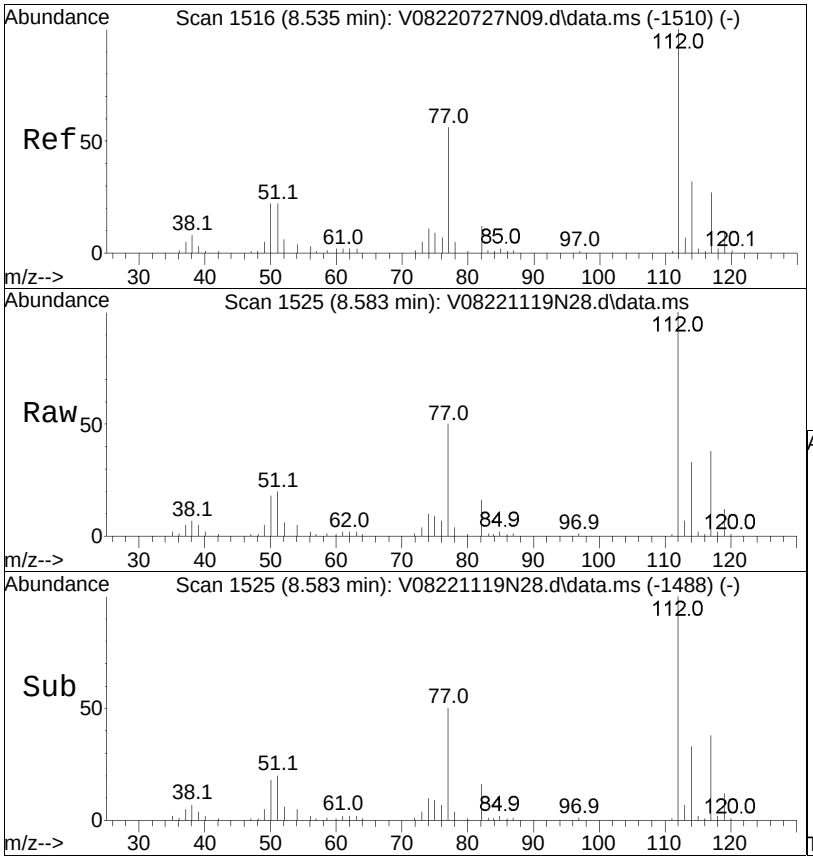


#72
2-Hexanone
Concen: 8.47 ug/L
RT: 8.410 min Scan# 1492
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 43 Resp: 28502

Ion	Ratio	Lower	Upper
43	100		
58	54.5	41.2	61.8
57	18.4	17.2	25.8

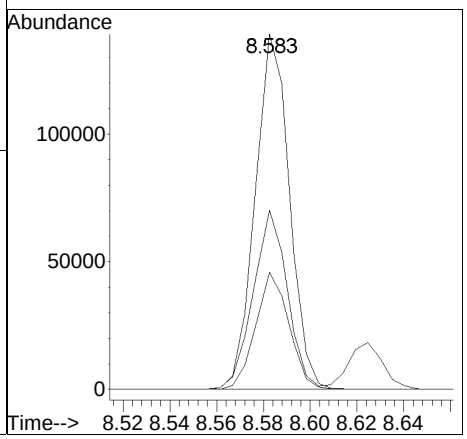


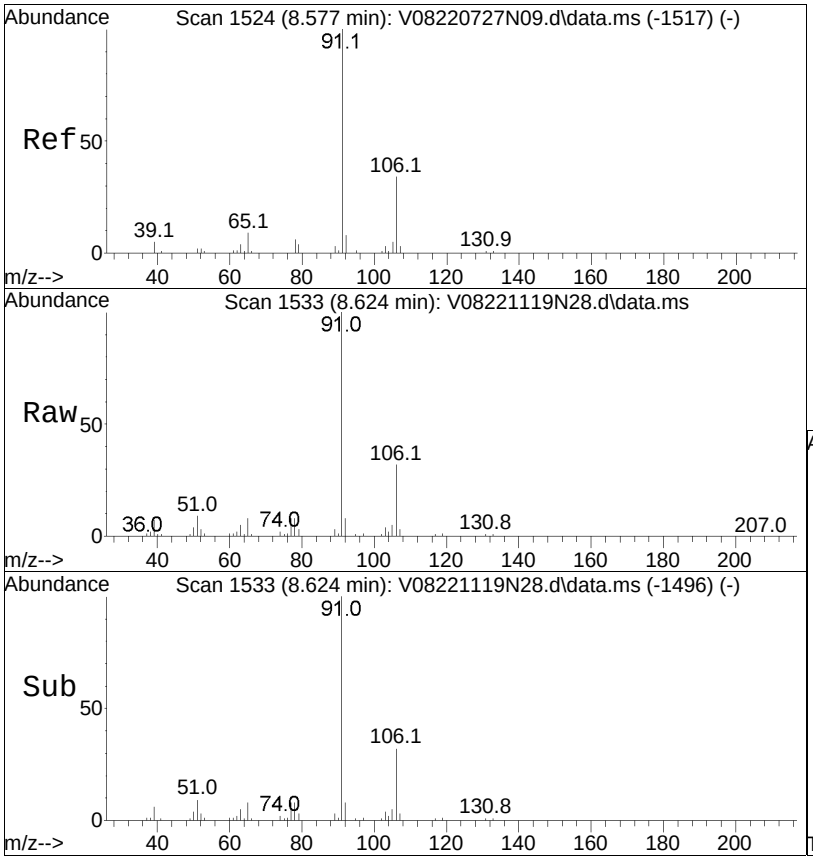


#73
Chlorobenzene
Concen: 9.74 ug/L
RT: 8.583 min Scan# 1525
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:112 Resp: 141665

Ion	Ratio	Lower	Upper
112	100		
77	50.2	55.4	83.0#
114	32.1	25.4	38.2

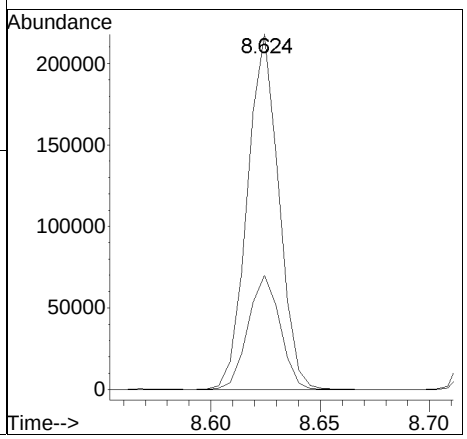


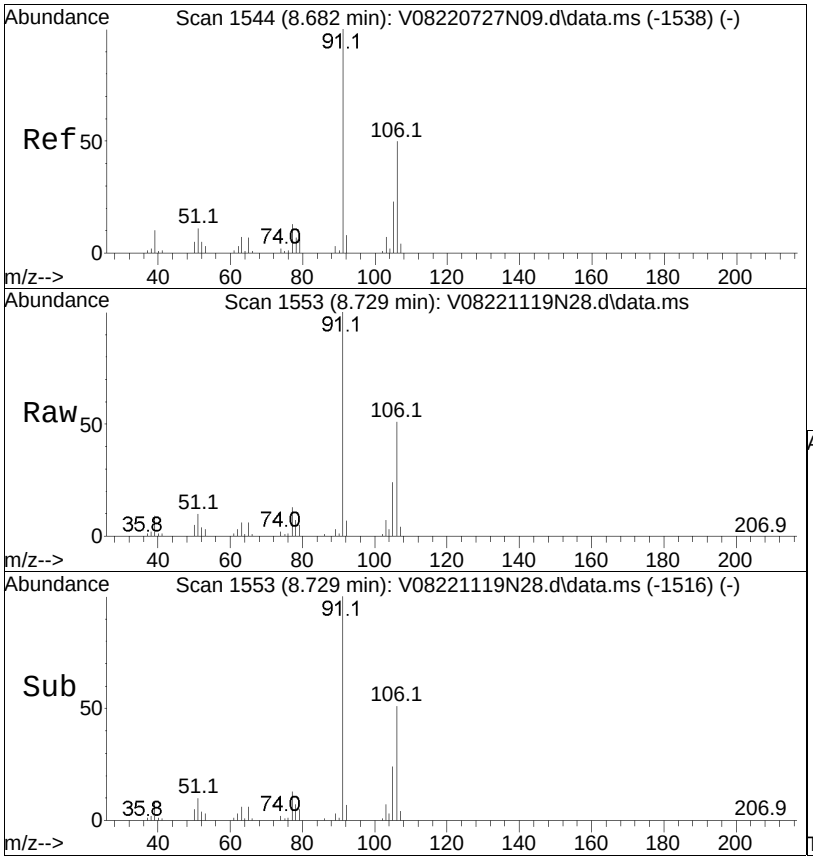


#74
Ethylbenzene
Concen: 9.63 ug/L
RT: 8.624 min Scan# 1533
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 91 Resp: 218131

Ion	Ratio	Lower	Upper
91	100		
106	32.6	24.3	36.5

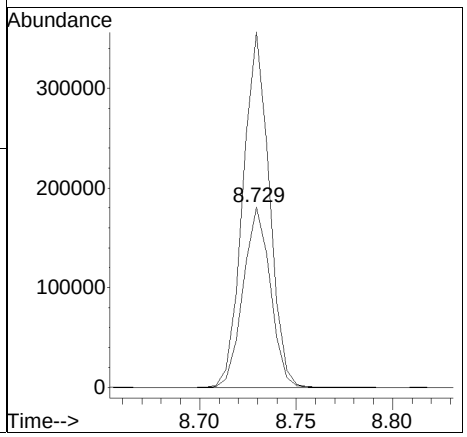


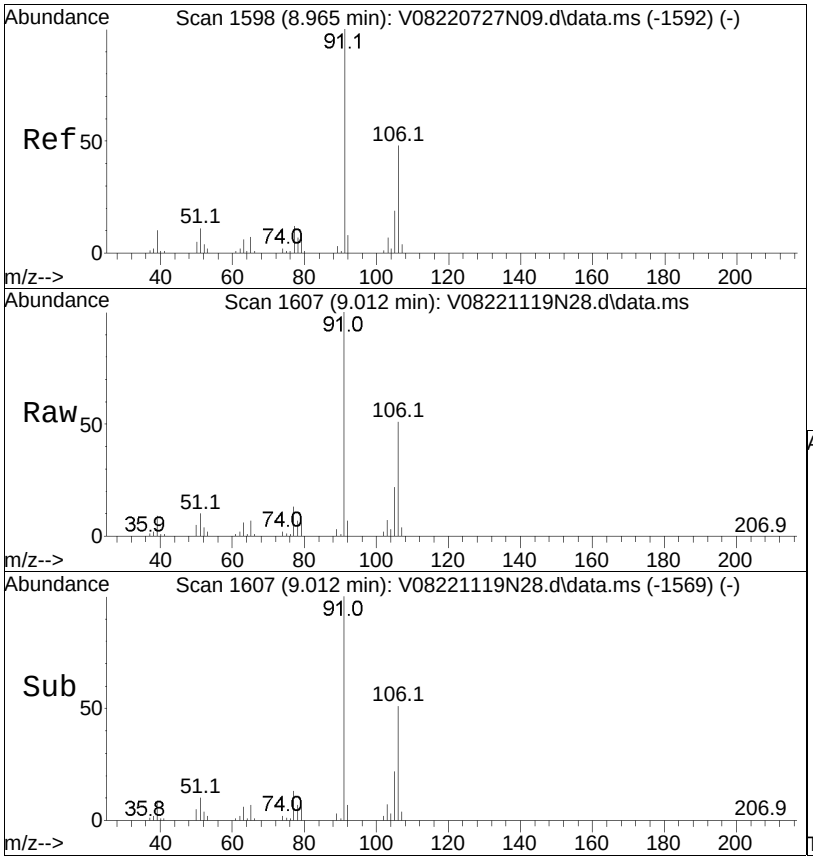


#76
p/m Xylene
Concen: 18.83 ug/L
RT: 8.729 min Scan# 1553
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:106 Resp: 176977

Ion	Ratio	Lower	Upper
106	100		
91	191.9	166.4	249.6

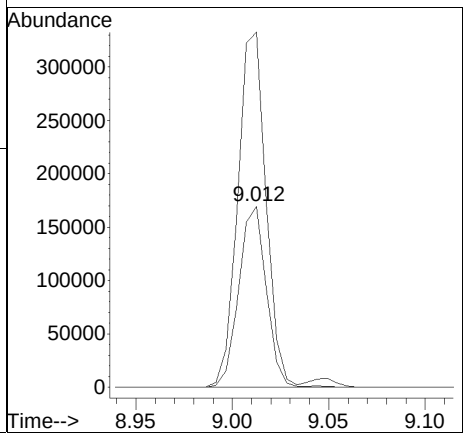


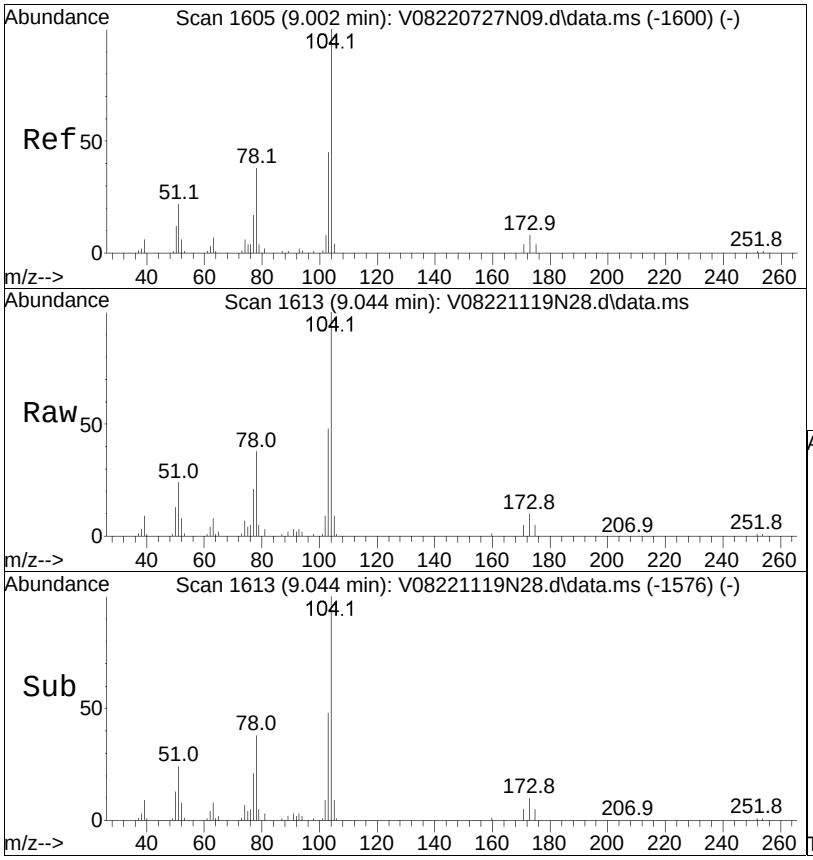


#77
o Xylene
Concen: 18.90 ug/L
RT: 9.012 min Scan# 1607
Delta R.T. 0.000 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:106 Resp: 169303

Ion	Ratio	Lower	Upper
106	100		
91	199.5	182.6	273.8

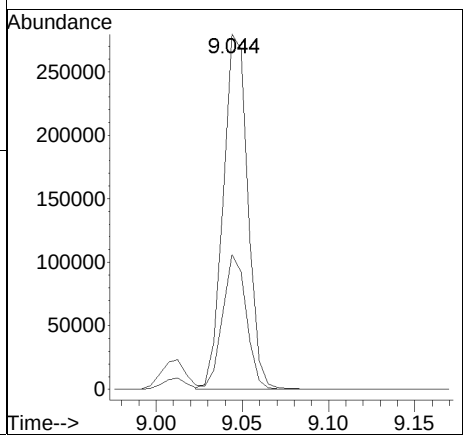


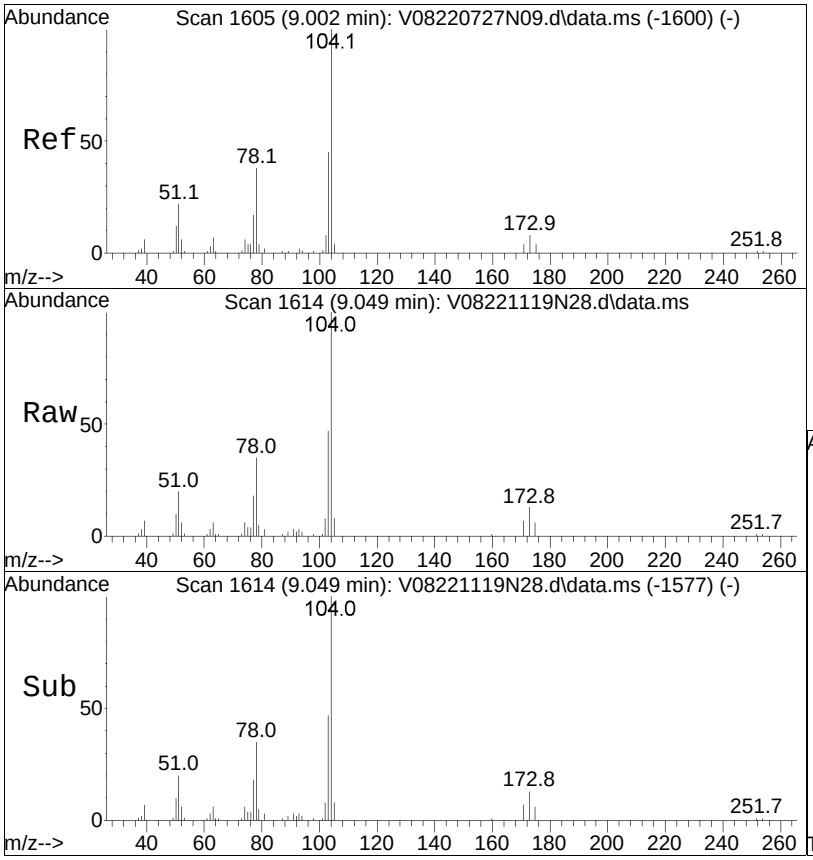


#78
Styrene
Concen: 18.40 ug/L
RT: 9.044 min Scan# 1613
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:104 Resp: 277298

Ion	Ratio	Lower	Upper
104	100		
78	36.4	39.8	59.6#

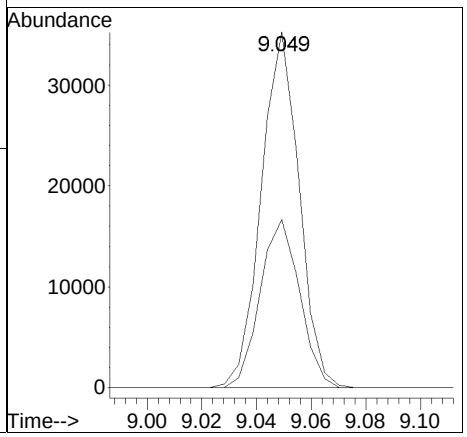


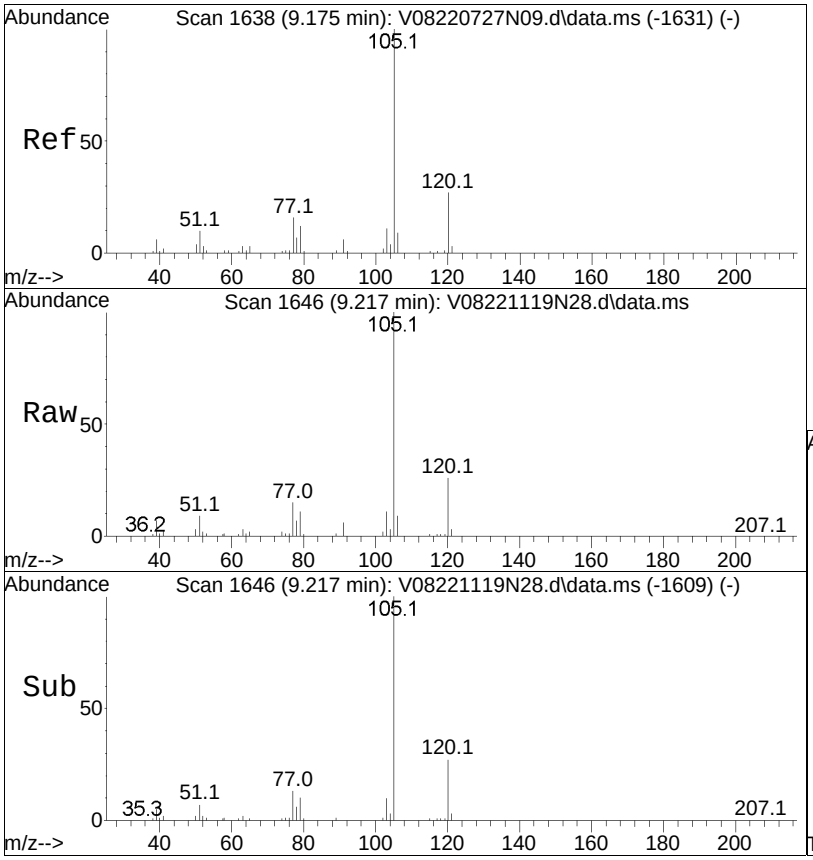


#80
Bromoform
Concen: 8.32 ug/L
RT: 9.049 min Scan# 1614
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:173 Resp: 33984

Ion	Ratio	Lower	Upper
173	100		
175	49.2	31.5	71.5

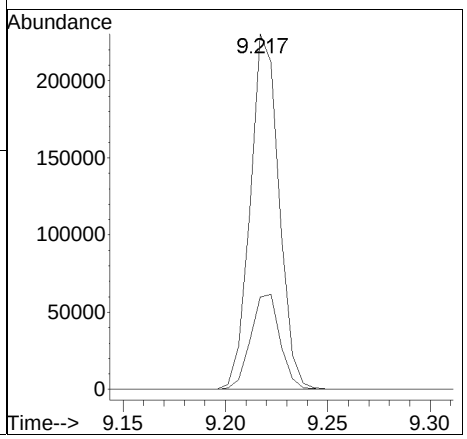


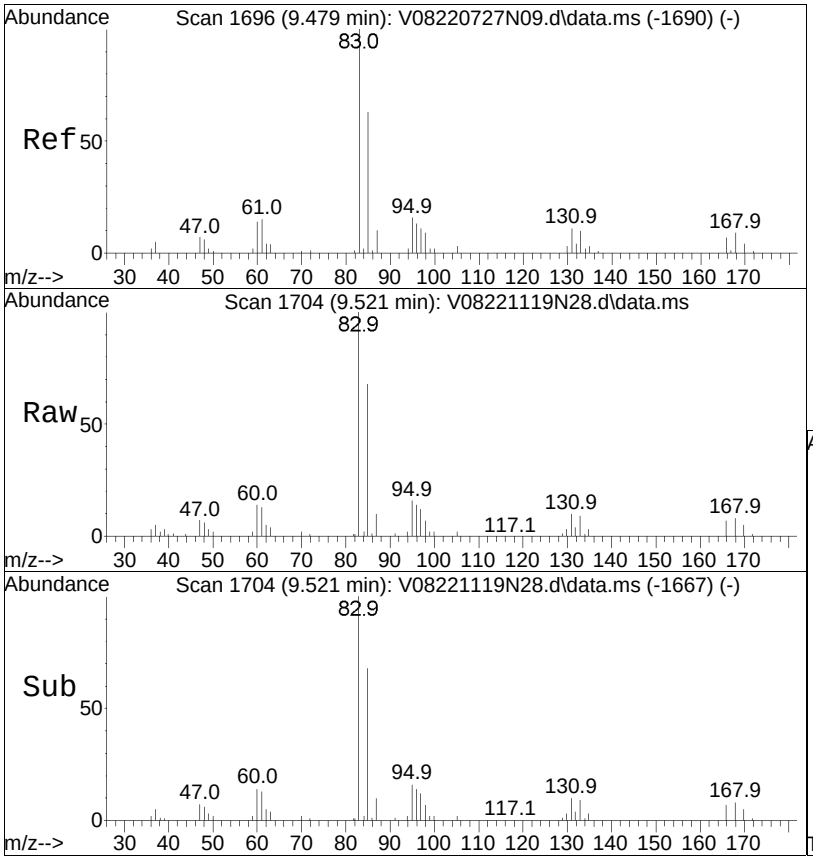


#82
Isopropylbenzene
Concen: 9.66 ug/L
RT: 9.217 min Scan# 1646
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:105 Resp: 224309

Ion	Ratio	Lower	Upper
105	100		
120	27.4	4.8	44.8

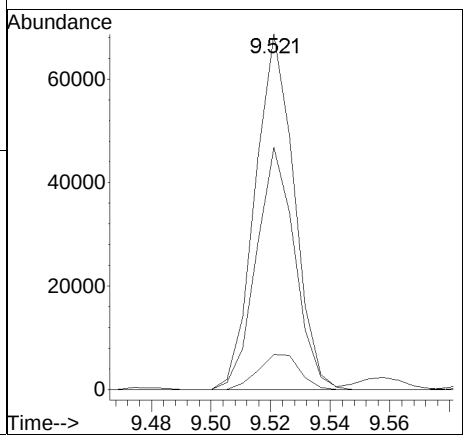


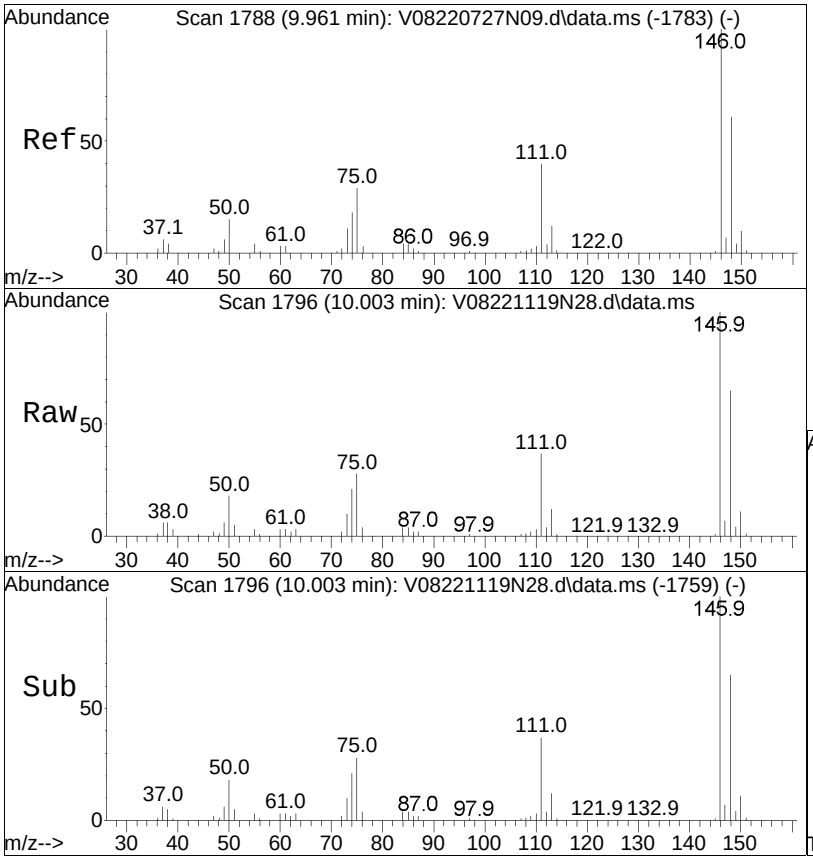


#87
1,1,2,2-Tetrachloroethane
Concen: 10.38 ug/L
RT: 9.521 min Scan# 1704
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion: 83 Resp: 62382

Ion	Ratio	Lower	Upper
83	100		
131	10.5	0.0	30.4
85	67.2	45.4	85.4

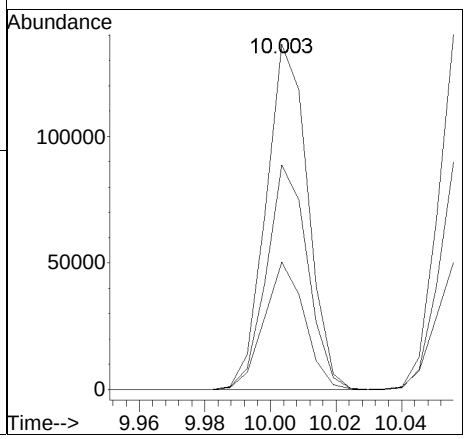


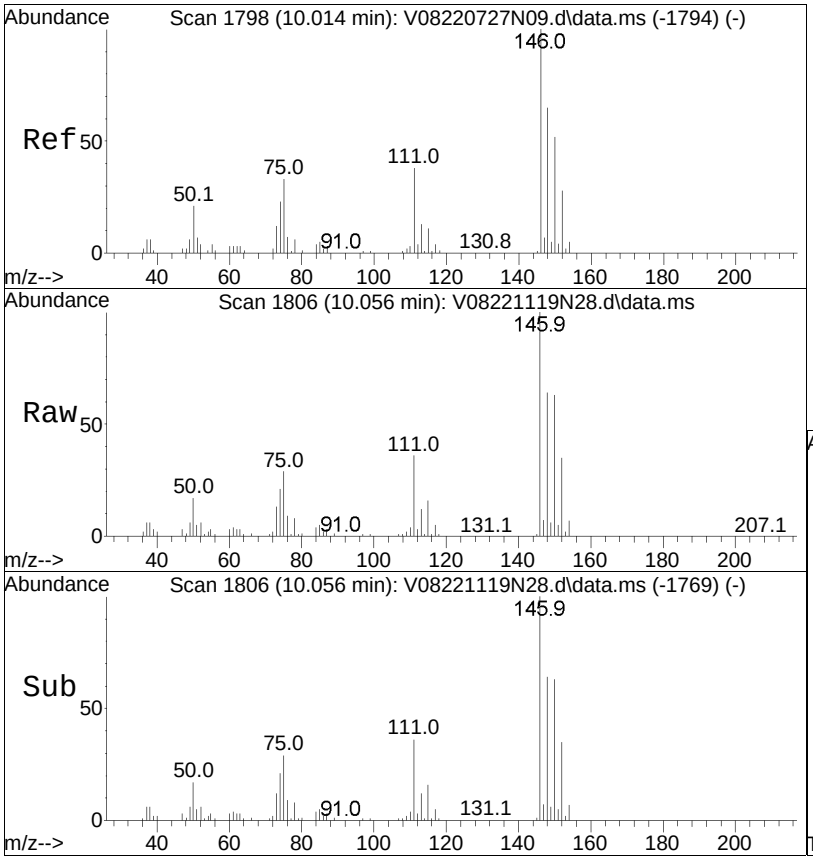


#100
1,3-Dichlorobenzene
Concen: 9.39 ug/L
RT: 10.003 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:146 Resp: 121236

Ion	Ratio	Lower	Upper
146	100		
111	35.6	27.5	57.1
148	63.9	41.9	86.9

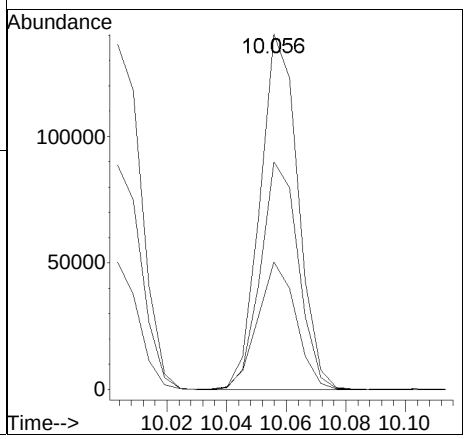


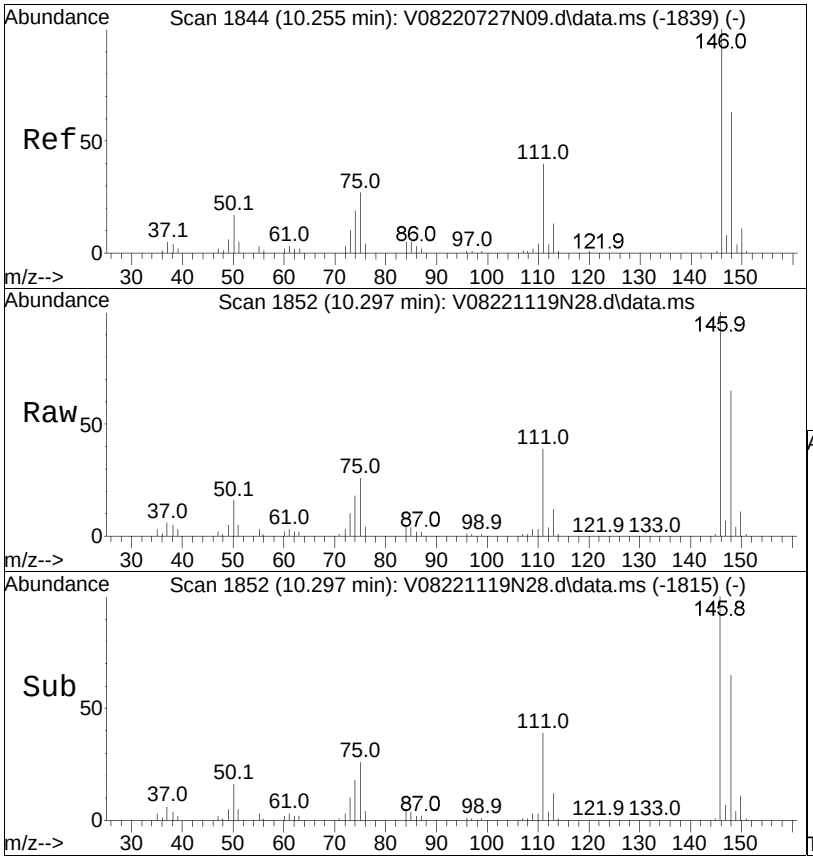


#101
1,4-Dichlorobenzene
Concen: 9.53 ug/L
RT: 10.056 min Scan# 1806
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:146 Resp: 124574

Ion	Ratio	Lower	Upper
146	100		
111	36.2	32.3	48.5
148	64.0	49.9	74.9

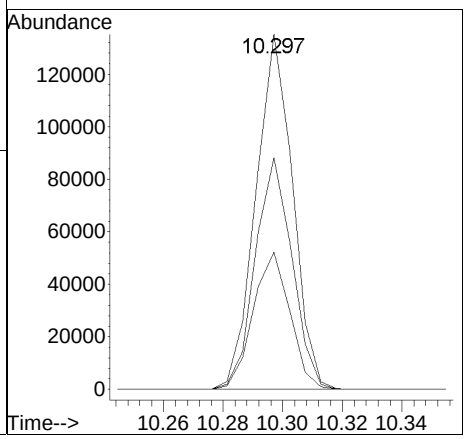


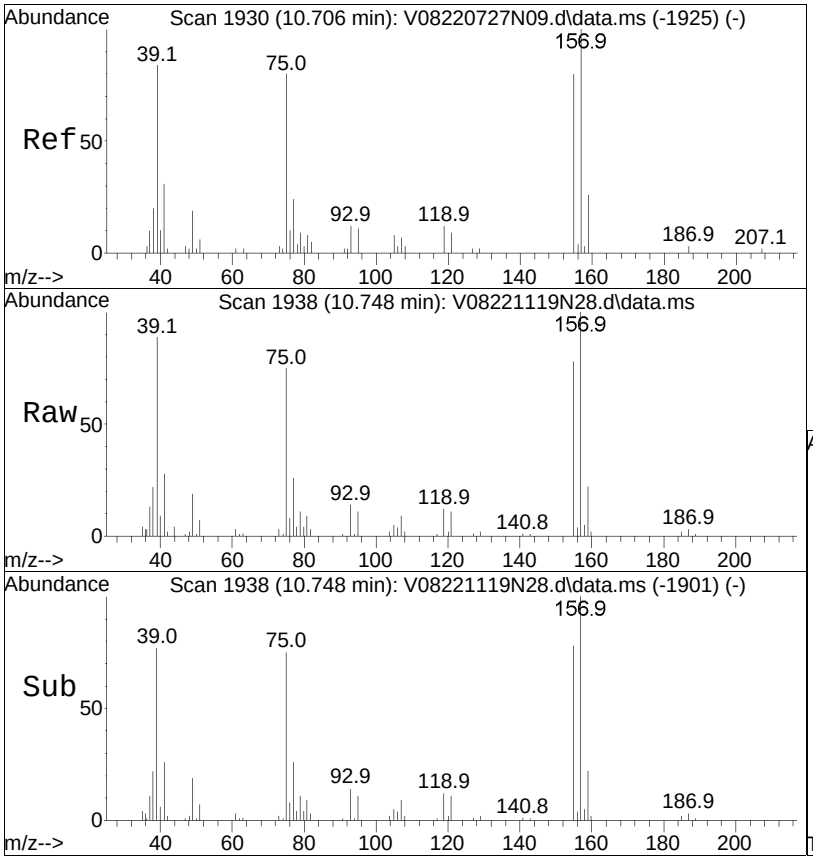


#104
1,2-Dichlorobenzene
Concen: 9.14 ug/L
RT: 10.297 min Scan# 1852
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:146 Resp: 116025

Ion	Ratio	Lower	Upper
146	100		
111	38.8	28.3	58.7
148	65.4	42.3	87.8

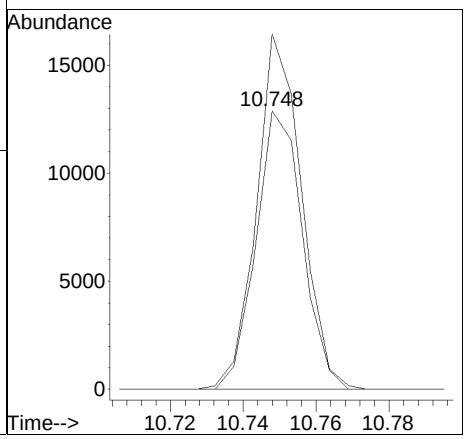


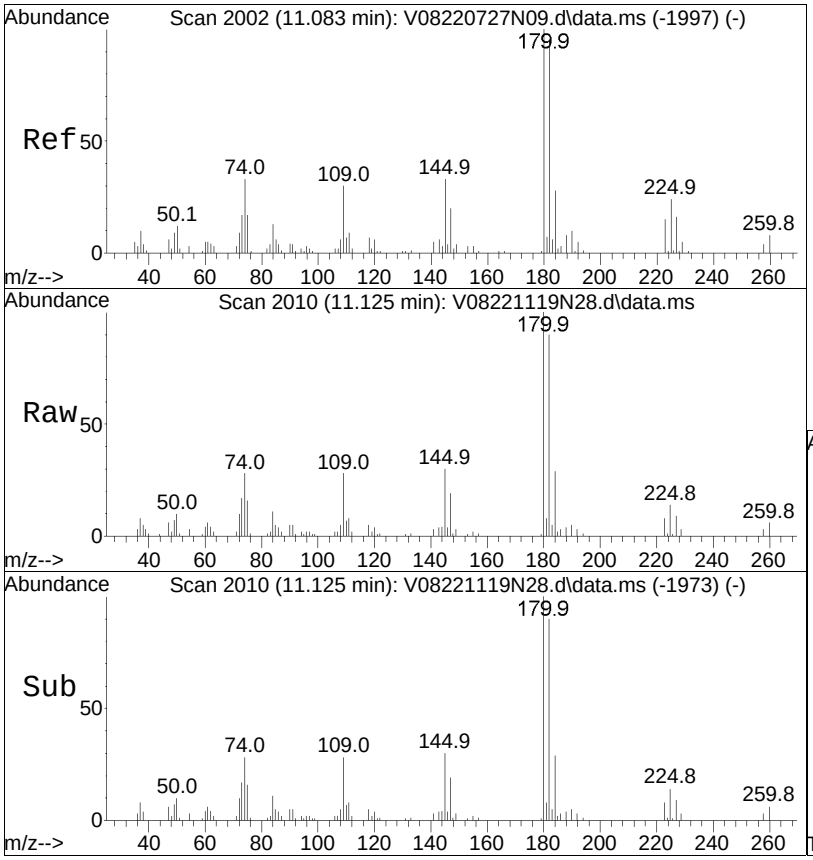


#106
1,2-Dibromo-3-chloropropane
Concen: 9.12 ug/L
RT: 10.748 min Scan# 1938
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:155 Resp: 11432

Ion	Ratio	Lower	Upper
155	100		
157	123.1	94.8	142.2

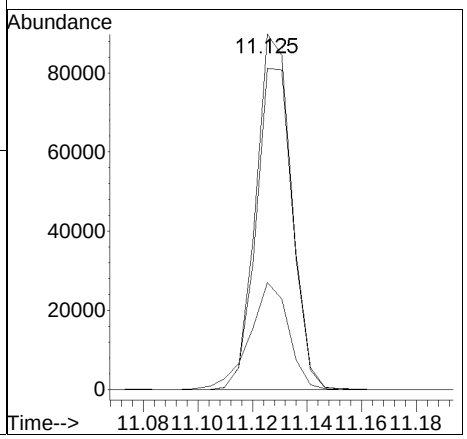


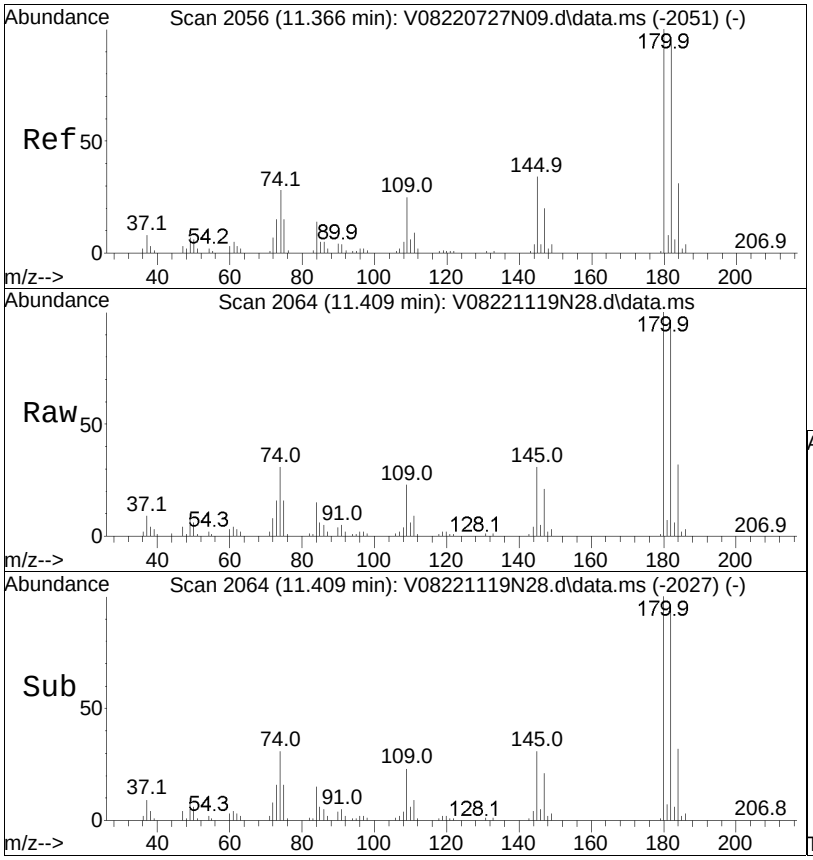


#109
1,2,4-Trichlorobenzene
Concen: 9.09 ug/L
RT: 11.125 min Scan# 2010
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:180 Resp: 81406

Ion	Ratio	Lower	Upper
180	100		
182	92.3	77.3	115.9
145	32.7	28.1	42.1

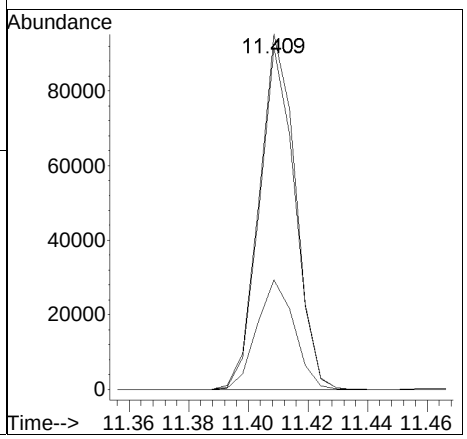




#111
1,2,3-Trichlorobenzene
Concen: 8.96 ug/L
RT: 11.409 min Scan# 2064
Delta R.T. -0.005 min
Lab File: V08221119N28.d
Acq: 20 Nov 2022 4:04 am

Tgt Ion:180 Resp: 80662

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.4	114.6
145	31.7	26.4	39.6



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)

Nov 28 2022, 12:10 pm

Work Group: WG1714394 for Department: 31 GC/MS - Volatiles

Created: 19-NOV-22 Due: Operator: LAC

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2263244-01	MW-8A	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263244-02	MW-08	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263244-03	MW-26	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263244-04	MW-26A	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263244-05	MW-09	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263244-07	MW-25A	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263244-08	MW-10	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263244-09	MW-06	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
WG1714394-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714394-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714394-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714394-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714394-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				

Comments:

WG1714394-4 WG1714394-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 28 2022, 12:10 pm

Work Group: WG1714765 for Department: 31 GC/MS - Volatiles

Created: 21-NOV-22 Due: Operator: mcm

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2263244-10	MW-20A	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263563-01	MW-1S	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-02	MW-2	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-03	DUP-001	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-04	MW-3	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-05	MW-4S	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-06	MW-4I	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-07	MW-5S	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-09	MW-6	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-10	MW-7	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-11	MW-8	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-12	MW-9	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-13	MW-10	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-14	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
L2263563-15	MW-1I	S	NYTCL-8260	WATER	DONE	U	1124	1129	S0	Vial-B
WG1714765-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714765-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1714765-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1714765-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714765-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714765-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1714765-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714765-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1714765-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1714765-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714765-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714765-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG1714765-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714765-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1714765-4	WG1714765-3
WG1714765-6	L2263563-02
WG1714765-7	L2263563-02

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 28 2022, 12:10 pm

Work Group: WG1714899 for Department: 31 GC/MS - Volatiles

Created: 21-NOV-22 Due: Operator: PID

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2263229-04	GW-1UP	S	NYCP51-8260	WATER	DONE	U	1124	1128	S0	Vial-B
L2263244-11	MW-7A	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-12	MW-7	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-13	MW-19A	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-14	MW-19AR	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-15	MW-21A	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-16	DUP-01	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-17	MW-5R	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-19	MW-13A	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-20	MW-11	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-21	MW-15A	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263244-22	TRIP BLANK	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263334-04	GW2-02-111022	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263334-05	GW3-03-111022	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263355-03	AOI2-TRACK5E-FB2-111022	C	NYTCL-8260	WATER	DONE	U	1124	1128	S0	Vial-B
L2263455-01	1299_MW_9_11102022	S	NYTCL-8260	WATER	DONE	U	1124	1128	S0	Vial-B
L2263455-02	1299_MW_10_11102022	S	NYTCL-8260	WATER	DONE	U	1124	1128	S0	Vial-B
L2263455-03	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	1124	1128	S0	Vial-B
L2265253-07	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	1202	1123	3C	Vial-B
WG1714899-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1714899-1	MS BFB Tune Standard	S	NYCP51-8260	WATER	DONE	U				
WG1714899-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714899-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1714899-2	Continuing Calibrati	S	NYCP51-8260	WATER	DONE	U				
WG1714899-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714899-3	Laboratory Control S	S	NYTCL-8260	WATER	DACQ	U				
WG1714899-3	Laboratory Control S	S	NYCP51-8260	WATER	DONE	U				
WG1714899-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714899-4	LCS Duplicate	S	NYTCL-8260	WATER	DACQ	U				
WG1714899-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714899-4	LCS Duplicate	S	NYCP51-8260	WATER	DONE	U				
WG1714899-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714899-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DACQ	U				
WG1714899-5	Laboratory Method Bl	S	NYCP51-8260	WATER	DONE	U				
WG1714899-6	Matrix Spike	S	NYTCL-8260	WATER	DACQ	U				
WG1714899-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1714899-6	Matrix Spike	S	NYCP51-8260	WATER	DONE	U				
WG1714899-7	Matrix Spike Duplica	S	NYCP51-8260	WATER	DONE	U				
WG1714899-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DACQ	U				
WG1714899-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1714899-4	WG1714899-3
WG1714899-6	L2263244-13
WG1714899-7	L2263244-13

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 28 2022, 12:10 pm

Work Group: WG1714939 for Department: 31 GC/MS - Volatiles

Created: 21-NOV-22 Due: Operator: PID

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2263244-06	MW-09A	S	NYTCL-8260-R2	WATER	DONE	U	1122	1128	S0	Vial-B
L2263386-02	MW-5R	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-03	PZ-5	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-04	PZ-6	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-05	PZ-11	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-06	PZ-12	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-07	PZ-13	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-08	PZ-14	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-09	MW-24D	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-10	MW-24S	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-11	MW-23S	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-12	BLIND DUP	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
L2263386-13	TRIP BLANK	S	NYTCL-8260-R2	WATER	DONE	U	1124	1128	S0	Vial-B
WG1714939-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714939-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714939-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714939-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714939-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714939-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DONE	U				
WG1714939-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DONE	U				

Comments:

WG1714939-4	WG1714939-3
WG1714939-6	L2263386-08
WG1714939-7	L2263386-08

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 28 2022, 12:10 pm

Work Group: WG1715252 for Department: 31 GC/MS - Volatiles

Created: 22-NOV-22 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2263244-18	MW-5AR	S	NYTCL-8260-R2	WATER	DONE	U	1123	1128	S0	Vial-B
L2263790-01	01	S	NYTCL-8260-BTEX	WATER	SEC	U	1125	1129	S0	Vial-B
L2263790-02	02	S	NYTCL-8260-BTEX	WATER	DONE	U	1125	1129	S0	Vial-B
WG1715252-1	MS BFB Tune Standard	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG1715252-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1715252-2	Continuing Calibrati	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG1715252-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1715252-3	Laboratory Control S	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG1715252-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1715252-4	LCS Duplicate	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG1715252-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1715252-5	Laboratory Method Bl	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG1715252-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1715252-4 WG1715252-3

Inst: VOA101 BFB: V9220 Method GC: 8260

Initials: MKS IS/SS: V9248 Autosampler: 8260water

Date: **09/15/22** ICAL: V9251A,V9240,V9236 Concentrator: 8260water

Run: **A** ICV: V9223,V9203,V9238,V9230,V9216,V9239,V9237 QC: _____ Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	V01220915ABF1	BFB TUNE	
1	V01220915A01	BLK	
2	V01220915A02	BLK	
3	V01220915A03	BLK	
4	V01220915A04	I8260STD0.19PPB	
5	V01220915A05	I8260STD0.19PPB	
6	V01220915A06	I8260STD0.5PPB	
7	V01220915A07	I8260STD0.5PPB	
8	V01220915A08	I8260STD2PPB	
9	V01220915A09	I8260STD2PPB	
10	V01220915A10	I8260STD10PPB	
11	V01220915A11	I8260STD30PPB	
12	V01220915A12	I8260STD80PPB	
13	V01220915A13	I8260STD120PPB	
14	V01220915A14	I8260STD200PPB	
15	V01220915A15	BLK	
16	V01220915A16	BLK	
17	V01220915A17	BLK	
18	V01220915A18	BLK	
19	V01220915A19	C8260STD10PPB	
20	V01220915A20	C8260STD10PPB	
21	V01220915A21	BLK	
22	V01220915A22	BLK	
23	V01220915A23	METHOD BLK	
24	V01220915A24	MDL 0.19PPB	
25	V01220915A25	MDL 0.5PPB	
26	V01220915A26	MDL 2PPB	

Inst: VOA130 BFB: V9268 Method GC: 8260
Initials: LAC IS/SS: V9296 Autosampler: 8260
Date: **10/12/22** ICAL: V9291B,V9307 Concentrator: 8260
Run: **N** ICV: V9274,V9304,V9306,V9284,V9275,V9305 QC:_____ Seq:_____

Vial	Data File	Sample	pH<2
1	V30221012NBF1	BFB TUNE	
1	V30221012N01	BLK	
2	V30221012N02	BLK	
3	V30221012N03	I8260STD0.19PPB	
4	V30221012N04	I8260STD0.19PPB	
5	V30221012N05	I8260STD0.5PPB	
6	V30221012N06	I8260STD0.5PPB	
7	V30221012N07	I8260STD2PPB	
8	V30221012N08	I8260STD2PPB	
9	V30221012N09	I8260STD10PPB	
10	V30221012N10	I8260STD30PPB	
11	V30221012N11	I8260STD80PPB	
12	V30221012N12	I8260STD120PPB	
13	V30221012N13	I8260STD200PPB	
14	V30221012N14	BLK	
15	V30221012N15	BLK	
16	V30221012N16	BLK	
17	V30221012N17	BLK	
18	V30221012N18	C8260STD10PPB	
19	V30221012N19	C8260STD10PPB	
20	V30221012N20	BLK	
21	V30221012N21	METHOD BLK	
22	V30221012N22	MDL L11	
23	V30221012N23	MDL L1	
24	V30221012N24	MDL L2	

Method

Inst: VOA108 BFB: V9311 GC: 8260-ATOMX

Initials: KJD IS/SS: V9339 Autosampler: 8260

Date **11/10/22** ICAL: V9340B, V9356 Concentrator: 8260

Run **N** ICV: V9318, V9358, V9360, V9335, V9319, V9359 QC: Seq:

Vial	DATAFILE	SAMPLE	pH<2
1	V08221110NBFB1	BFB TUNE	
1	V08221110NBFB2	BFB TUNE	
1	V08221110NBFB3	BFB TUNE	
1	V08221110NBFB4	BFB TUNE	
1	V08221110N01	BLK	
2	V08221110N02	BLK	
3	V08221110N03	I8260STD0.19PPB	
4	V08221110N04	I8260STD0.19PPB	
5	V08221110N05	I8260STD0.5PPB	
6	V08221110N06	I8260STD0.5PPB	
7	V08221110N07	I8260STD2.0PPB	
8	V08221110N08	I8260STD2.0PPB	
9	V08221110N09	I8260STD10PPB	
10	V08221110N10	I8260STD30PPB	
11	V08221110N11	I8260STD80PPB	
12	V08221110N12	I8260STD120PPB	
13	V08221110N13	I8260STD200PPB	
14	V08221110N14	BLK	
15	V08221110N15	BLK	
16	V08221110N16	BLK	
17	V08221110N17	BLK	
18	V08221110N18	C8260STD10PPB	
19	V08221110N19	C8260STD10PPB	
20	V08221110N20	BLK	
21	V08221110N21	MDL BLK	
22	V08221110N22	MDL 0.19PPB	
23	V08221110N23	MDL 0.5PPB	
24	V08221110N24	MDL 2.0PPB	
25	V08221110N25	BLK	

				Method	
Inst:	VOA116	BFB:	V9311	GC:	8260
Initials:	LAC	IS/SS:	V9348	Autosampler:	8260WATER
Date:	11/12/22	ICAL:	V9366,V9365A	Concentrator:	8260
Run:	A	ICV	V9318,V9358,V9360,V9335,V9319,V9359	QC:	Seq:

Vial	Data File	SAMPLE	pH
1	V16221112BFB1	BFB	
1	V16221112A01	BLK	
2	V16221112A02	BLK	
3	V16221112A03	I8260STD0.19PPB	
4	V16221112A04	I8260STD0.19PPB	
5	V16221112A05	I8260STD0.5PPB	
6	V16221112A06	I8260STD0.5PPB	
7	V16221112A07	I8260STD2PPB	
8	V16221112A08	I8260STD10PPB	
9	V16221112A09	I8260STD30PPB	
10	V16221112A10	I8260STD80PPB	
11	V16221112A11	I8260STD120PPB	
12	V16221112A12	I8260STD200PPB	
13	V16221112A13	BLK	
14	V16221112A14	BLK	
15	V16221112A15	BLK	
16	V16221112A16	BLK	
17	V16221112A17	C8260STD10PPB	
18	V16221112A18	C8260STD10PPB	
19	V16221112A19	BLK	
20	V16221112A20	MRTHOD BLK	
21	V16221112A21	MDL L11	
22	V16221112A22	MDL L1	
23	V16221112A23	MDL L2	

Inst: VOA101 BFB: V9369 Method GC: 8260

Initials: PID IS/SS: V9355 Autosampler: 8260water

Date: **11/18/22** ICAL: V9340C,V9372 Concentrator: 8260water

Run: **A** QC: _____ Seq:

Vial	DATA FILE	SAMPLE		pH<2
1	V01221118ABF1	BFB TUNE 08:02		
1	V01221118A01	8260 CCAL LCS		
2	V01221118A02	8260 CCAL		
3	V01221118A03	BLK		
4	V01221118A04	BLK		
5	V01221118A05	BLK		
6	V01221118A06	8260 CCAL LCSD		
7	V01221118A07	BLK		
8	V01221118A08	METHOD BLK		
9	V01221118A09	L2263787-08,31,10,10,,A	8260NH	pH<2
10	V01221118A10	L2263787-09,31,10,10,,A	8260NH	pH<2
11	V01221118A11	L2263787-10,31,10,10,,A	8260NH	pH<2
12	V01221118A12	L2263787-11,31,10,10,,C	8260NH	pH<2
13	V01221118A13	L2263787-12,31,10,10,,A	8260NH	pH<2
14	V01221118A14	L2263787-13,31,10,10,,A	8260NH	pH<2
15	V01221118A15	L2262932-01,31,10,10,,A,PRI	8260NH	pH<2
16	V01221118A16	L2262932-02,31,10,10,,A,PRI	8260NH	pH<2
17	V01221118A17	L2262932-03,31,10,10,,A,PRI	8260NH	pH<2
18	V01221118A18	L2262932-05,31,10,10,,A,PRI	8260NH	pH<2
19	V01221118A19	L2263244-01A,31,10,10,,	NYCURVE	pH<2
20	V01221118A20	L2263244-02,31,10,10,,A	NYCURVE	pH<2
21	V01221118A21	L2263244-03,31,10,10,,A	NYCURVE	pH<2
22	V01221118A22	L2263244-04,31,10,10,,A	NYCURVE	pH<2
23	V01221118A23	L2263244-05,31,10,10,,A	NYCURVE	pH<2
24	V01221118A24	L2263244-06,31,10,10,,A	NYCURVE	pH<2
25	V01221118A25	L2263244-07,31,10,10,,A	NYCURVE	pH<2
26	V01221118A26	L2263244-08,31,10,10,,A	NYCURVE	pH<2
27	V01221118A27	L2263244-09D,31,0.2,10,,A	NYCURVE	pH<2
28	V01221118A28	L2263244-10D,31,1.0,10,,A	NYCURVE	pH>2
29	V01221118A29	HSTD		
30	V01221118A30	BLK		
31	V01221118A31	BLK		

Method

Inst: VOA116 BFB: V9369 GC: 8260

Initials: NLK IS/SS: V9348 Autosampler: 8260WATER

Date: 11/20/22 8260 CCAL V9372,V9365A Concentrator: 8260

Run: A SIM CCAL V9320D QC: _____ Seq: _____

Vial	Data File	SAMPLE			pH
1	V16221120ABFB1	BFB			
1	V16221120A01	8260 CCAL			
2	V16221120A02	8260 CCAL			
3	V16221120A03	8260 CCAL			
4	V16221120A04	BLK			
5	V16221120A05	METHOD BLK			
6	V16221120A06	L2263563-14,31,10,10,,A	NYTCL	FB	pH<2
7	V16221120A07	L2263563-18,31,10,10,,A	NYTCL	TB	pH<2
8	V16221120A08	L2263563-01,31,10,10,,A	NYTCL	HT 11/24	pH<2
9	V16221120A09	L2263563-02,31,10,10,,A	NYTCL	HT 11/24	pH<2
10	V16221120A10	L2263563-03,31,10,10,,A	NYTCL	HT 11/24	pH<2
11	V16221120A11	L2263563-04,31,10,10,,A	NYTCL	HT 11/24	pH<2
12	V16221120A12	L2263563-05,31,10,10,,A	NYTCL	HT 11/24	pH<2
13	V16221120A13	L2263563-06,31,10,10,,A	NYTCL	HT 11/24	pH<2
14	V16221120A14	L2263563-09,31,10,10,,A	NYTCL	HT 11/24	pH<2
15	V16221120A15	L2263563-10,31,10,10,,A	NYTCL	HT 11/24	pH<2
16	V16221120A16	L2263563-11,31,10,10,,A	NYTCL	HT 11/24	pH<2
17	V16221120A17	L2263563-12,31,10,10,,A	NYTCL	HT 11/24	pH<2
18	V16221120A18	L2263563-13,31,10,10,,A	NYTCL	HT 11/24	pH<2
19	V16221120A19	L2263563-15,31,10,10,,A	NYTCL	HT 11/24	pH<2
20	V16221120A20	L2263563-07D,31,0.1,10,,A	NYTCL	HT 11/24	pH<2
21	V16221120A21	L2263563-08D,31,1.0,10,,A	NYTCL	HT 11/24	pH<2
22	V16221120A22	L2263787-18,31,10,10,,A	8260NH	HT 11/24	pH<2
23	V16221120A23	L2263787-19,31,10,10,,A	8260NH	HT 11/24	pH<2
24	V16221120A24	L2263787-20,31,10,10,,A	8260NH	HT 11/24	pH<2
25	V16221120A25	L2263244-10D,31,1.0,10,,C	NYCURVE	HT 11/22	pH<2
26	V16221120A26	L2263563-02MS,31,10,10,,A1	NYTCL	HT 11/24	pH<2
27	V16221120A27	L2263563-02MSD,31,10,10,,A2	NYTCL	HT 11/24	pH<2

Inst: VOA108 BFB: V9369 Method GC: 8260-ATOMX
Initials: PID IS/SS: V9339 Autosampler: 8260
Date **11/19/22** ICAL: V9340B,V9372 Concentrator: 8260
Run **N** QC: Seq:

Vial	DATAFILE	SAMPLE			pH<2
1	V08221119NBF1	BFB TUNE 18:47			
1	V08221119N01	8260 CCAL LCS			
2	V08221119N02	8260 CCAL LCSD			
3	V08221119N03	8260 CCAL			
4	V08221119N04	BLK			
5	V08221119N05	METHOD BLK			
6	V08221119N06	L2263455-01,31,10,10,,A	NYTCL		pH<2
7	V08221119N07	L2263455-02,31,10,10,,A	NYTCL		pH<2
8	V08221119N08	L2263455-03,31,10,10,,A	NYTCL	FB	pH<2
9	V08221119N09	L2263355-03,31,10,10,,A	NYTCL/10	FB	pH<2
10	V08221119N10	L2265253-07,31,10,10,,A,R3C	NYTCL	TB	pH<2
11	V08221119N11	L2263244-22,31,10,10,,A	NYCURVE	TB	pH<2
12	V08221119N12	L2263244-12,31,10,10,,A	NYCURVE		pH<2
13	V08221119N13	L2263244-11,31,10,10,,A	NYCURVE		pH<2
14	V08221119N14	L2263244-13,31,10,10,,A	NYCURVE		pH<2
15	V08221119N15	L2263244-14D,31,0.4,10,,A	NYCURVE		pH<2
16	V08221119N16	L2263244-15D,31,4.0,10,,A	NYCURVE		pH>2
17	V08221119N17	L2263244-16D,31,5.0,10,,A	NYCURVE		pH>2
18	V08221119N18	L2263244-17D,31,2.0,10,,A	NYCURVE		pH<2
19	V08221119N19	L2263244-18D,31,0.5,10,,A	NYCURVE		pH<2
20	V08221119N20	L2263244-19D,31,0.2,10,,A	NYCURVE		pH<2
21	V08221119N21	L2263244-20D,31,4.0,10,,A	NYCURVE		pH<2
22	V08221119N22	L2263244-21,31,10,10,,A	NYCURVE		pH<2
23	V08221119N23	L2263334-04,31,10,10,,A	NYCURVE		pH<2
24	V08221119N24	L2263334-05D,31,0.5,10,,A	NYCURVE		pH<2
25	V08221119N25	L2263229-04D,31,2.5,10,,A	NYSTARS	OILY	pH<2
26	V08221119N26	DSTD			
27	V08221119N27	L2263244-13MS,31,10,10,,A1	NYCURVE		pH<2
28	V08221119N28	L2263244-13MSD,31,10,10,,A2	NYCURVE		pH<2
29	V08221119N29	HSTD			
30	V08221119N30	BLK			
31	V08221119N31	BLK			

Inst: VOA130 BFB: V9369 Method GC: 8260
Initials: NLK IS/SS: V9355 Autosampler: 8260
Date: **11/20/22** ICAL: V9340C,V9372 Concentrator: 8260
Run: **A** QC:_____ Seq:_____

Vial	Data File	Sample				pH<2
1	V30221120ABF1	BFB TUNE				
1	V30221120A01	8260 CCAL				
2	V30221120A02	8260 CCAL				
3	V30221120A03	8260 CCAL				
4	V30221120A04	BLK				
5	V30221120A05	METHOD BLK				
6	V30221120A06	I2264342-01,31,10,10,,a	PASHORT			pH<2
7	V30221120A07	I2264342-02,31,10,10,,a	PASHORT			pH<2
8	V30221120A08	I2264342-03,31,10,10,,a	PASHORT			pH<2
9	V30221120A09	I2264342-04,31,10,10,,a	PASHORT			pH<2
10	V30221120A10	I2264342-05,31,10,10,,a	PASHORT			pH<2
11	V30221120A11	I2264342-06,31,10,10,,a	PASHORT			pH<2
12	V30221120A12	I2263244-06,31,10,10,,c	NYCURVE		HT 11/22	pH<2
13	V30221120A13	I2263386-13,31,10,10,,a,pri	NYCURVE	TB	HT 11/24	pH<2
14	V30221120A14	I2263386-01d,31,1.0,10,,a,pri	NYCURVE		HT 11/24	pH<2
15	V30221120A15	I2263386-02d,31,2.5,10,,a,pri	NYCURVE		HT 11/24	pH<2
16	V30221120A16	I2263386-03d,31,5.0,10,,a,pri	NYCURVE		HT 11/24	pH<2
17	V30221120A17	I2263386-04d,31,4.0,10,,a,pri	NYCURVE		HT 11/24	pH<2
18	V30221120A18	I2263386-05d,31,1.0,10,,a,pri	NYCURVE		HT 11/24	pH<2
19	V30221120A19	I2263386-06d,31,2.0,10,,a,pri	NYCURVE		HT 11/24	pH<2
20	V30221120A20	I2263386-07,31,10,10,,a,pri	NYCURVE		HT 11/24	pH<2
21	V30221120A21	I2263386-08d,31,2.5,10,,a,pri	NYCURVE		HT 11/24	pH<2
22	V30221120A22	I2263386-09d,31,5.0,10,,a,pri	NYCURVE		HT 11/24	pH<2
23	V30221120A23	I2263386-10d,31,0.25,10,,a,pri	NYCURVE		HT 11/24	pH<2
24	V30221120A24	I2263386-11d,31,2.0,10,,a,pri	NYCURVE		HT 11/24	pH<2
25	V30221120A25	I2263386-12d,31,0.5,10,,a,pri	NYCURVE		HT 11/24	pH<2
26	V30221120A26	I2263386-08dMS,31,2.5,10,,a,pri	NYCURVE		HT 11/24	pH<2
27	V30221120A27	I2263386-08MSD,31,2.5,10,,a,pri	NYCURVE		HT 11/24	pH<2
28	V30221120A28	HIGH STD				
29	V30221120A29	BLK				
30	V30221120A30	BLK				

Inst: VOA108 BFB: V9369 Method GC: 8260-ATOMX
Initials: AJK IS/SS: V9355 Autosampler: 8260
Date **11/21/22** ICAL: V9340C,V9372 Concentrator: 8260
Run **N** QC: Seq:

Vial	DATAFILE	SAMPLE			pH<2
1	V08221121NBF1	BFB TUNE			
1	V08221121N01	8260 CCAL			
2	V08221121N02	8260 CCAL			
3	V08221121N03	8260 CCAL			
4	V08221121N04	BLK			
5	V08221121N05	METHOD BLK			
6	V08221121N06	L2263052-08,31,10,10,,B	8260/DIOX/10 ACE CONF	TB	pH<2
7	V08221121N07	L2263778-03,31,10,10,,A,PRI	NJ/15	TB	pH<2
8	V08221121N08	L2263778-02,31,10,10,,A,PRI	NJ/15	FB	pH<2
9	V08221121N09	L2263703-12,31,10,10,,A	8260NH	TB	pH<2
10	V08221121N10	L2263590-03,31,10,10,,A	8260NH	TB	pH<2
11	V08221121N11	L2263590-02,31,10,10,,A	8260NH		pH<2
12	V08221121N12	L2263778-01,31,10,10,,A,PRI	NJ/15		pH<2
13	V08221121N13	L2263575-01,31,10,10,,C	NJ/15/TBA		pH<2
14	V08221121N14	L2263575-04,31,10,10,,C	NJ/15/TBA		pH<2
15	V08221121N15	L2263575-09,31,10,10,,C	NJ/15/TBA		pH<2
16	V08221121N16	L2263775-01,31,10,10,,A	PASHORT		pH<2
17	V08221121N17	L2263775-02D,31,5.0,10,,A	PASHORT	HEAVY SHEEN	pH<2
18	V08221121N18	L2263775-04D,31,5.0,10,,A	PASHORT	HEAVY SHEEN	pH<2
19	V08221121N19	L2263775-03D,31,0.5,10,,A	PASHORT	OILY	pH<2
20	V08221121N20	L2263790-01D,31,5.0,10,,A	NY/BTEX	FOAM	pH<2
21	V08221121N21	L2263790-02,31,10,10,,A	NY/BTEX		pH<2
22	V08221121N22	L2263575-10D,31,4.0,10,,C	NJ/15/TBA		pH<2
23	V08221121N23	L2263756-02D,31,1.0,10,,C	NJ/EB		pH<2
24	V08221121N24	L2263244-18D,31,1.0,10,,C	NYCURVE		pH<2
25	V08221121N25	L2263244-18DUP,31,1.0,10,,C	NJQC		pH<2
26	V08221121N26	L2263244-18MS,31,1.0,10,,C	NJQC		pH<2
27	V08221121N27	L2263775-03DUP,31,0.5,10,,A	NJQC	OILY	pH<2
28	V08221121N28	L2263775-03MS,31,0.5,10,,A	NJQC	OILY	pH<2
29	V08221121N29	HSTD			
30	V08221121N30	BLK			
31	V08221121N31	BLK			

Appendix E
Data Usability Summary Report

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Former Buffalo China, Hayes Place, Buffalo
Alpha Analytical SDG#L2263244
December 22, 2022
Sampling date: 11/8, 9/2022

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers Inc., project located at Former Buffalo China, Hayes Place, Buffalo, Alpha Analytical SDG#L2263244 submitted to Vali-Data of WNY, LLC on December 6, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

ID	Sample ID	Laboratory ID
1	MW-8A	L2263244-01
2	MW-08	L2263244-02
3	MW-26	L2263244-03
4	MW-26A	L2263244-04
5	MW-09	L2263244-05
6	MW-09A	L2263244-06
7	MW-25A	L2263244-07
8	MW-10	L2263244-08
9	MW-06	L2263244-09
10	MW-20A	L2263244-10
11	MW-7A	L2263244-11
12	MW-7A	L2263244-12
13	MW-19A	L2263244-13
14	MW-19AR	L2263244-14
15	MW-21A	L2263244-15
16	DUP-01	L2263244-16
17	MW-5R	L2263244-17
18	MW-5AR	L2263244-18
19	MW-13A	L2263244-19
20	MW-11	L2263244-20
21	MW-15A	L2263244-21
22	TRIP BLANK	L2263244-22

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Method Blank, Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

Samples: DUS ID#9, #10 and #14-20 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times except the pH of DUSR ID#15D and #16D were outside QC limits. All target analytes detected in the samples should be qualified as estimated and all target analytes not detected in these samples should be qualified as unusable.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of Toluene-d_8 was outside QC limits, low in DUSR ID#4, #5 and #7. The target analytes below should be qualified as estimated in these samples.

1,1,1-Trichloroethane	Cyclohexane	Carbon tetrachloride
Trichloroethene	Benzene	Methylcyclohexane
Bromodichloromethane	Toluene	1,2-Dichloropropane
cis-1,3-Dichloropropene	Tetrachloroethene	4-Methyl-2-pentanone
trans-1,3-Dichloropropene	2-Hexanone	1,1,2-Trichloroethane
Dibromochloromethane	Chlorobenzene	1,2-Dibromoethane
Isopropylbenzene	Ethylbenzene	m&p-Xylene
1,1,2,2-Tetrachoroethane	o-Xylene	Styrene

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except some target analytes were outside QC limits, high in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
WG1714394	Bromomethane	25	24	-	UJ/J	1-5, 7, 8, 9D
WG1714899	Chloroethane	200	210	-	JH	None
WG1714939	1,4-Dioxane	42	-	55	J	6
WG1715252	Chloroethane	210	210	-	JH	18D

Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD
All criteria were met except several target analytes were outside QC limits in the MS/MSD and should be qualified as estimated.

Target Analyte	%Rec 13MS	%Rec 13MSD	RPD	Qualifier	Associated Sample
Bromomethane	-	-	25	UJ	13
Chloroethane	230	220	-	JH	None
cis-1,2-Dichloroethene	30	30	-	J	13

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met several target analytes were outside QC limits in the initial calibrations and initial calibration verifications. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

ICal/ICV ID	Target Analyte	%D, RRF	Qualifier	Associated Sample
ICal VOA101	Bromodichloromethane	RRF	UJ/J	WG1714394, 1-5, 7, 8, 9D
ICal/ICV VOA101	1,4-Dioxane	RRF	UJ/J	WG1714394, 1-5, 7, 8, 9D
ICal/ICV VOA101	1,1,2-Trichloroethane	RRF	UJ/J	WG1714394, 1-5, 7, 8, 9D
ICal/ICV VOA101	1,2,3-Trichlorobenzene	RRF	UJ/J	WG1714394, 1-5, 7, 8, 9D
ICal/ICV VOA130	1,4-Dioxane	RRF	UJ/J	WG1714939, 6
ICal/ICV VOA130	1,1,2-Trichloroethane	RRF	UJ/J	WG1714939, 6
ICal/ICV VOA130	1,2-Dibromoethane	RRF	UJ/J	WG1714939, 6
ICV VOA130	cis-1,3-Dichloropropene	RRF	UJ/J	WG1714939, 6
ICV VOA130	Bromomethane	-32.9	UJ/J	WG1714939, 6
ICV VOA130	Carbon disulfide	-39.1	UJ/J	WG1714939, 6
ICV VOA130	Dichlorodifluoromethane	-64.5	UJ/J	WG1714939, 6
ICV VOA130	Chloromethane	-39.8	UJ/J	WG1714939, 6
ICV VOA130	Vinyl chloride	-31.9	UJ/J	WG1714939, 6
ICal/ICV VOA108	1,4-Dioxane	RRF	UJ/J	WG1714899, WG1715252, 11-13, 14D-20D, 21, 22, 13MS/MSD
ICV VOA108	Bromomethane	-37.3	UJ/J	WG1714899, WG1715252, 11-13, 14D-20D, 21, 22, 13MS/MSD

ICal/ICV ID	Target Analyte	%D, RRF	Qualifier	Associated Sample
ICV VOA108	Carbon disulfide	-60.7	UJ/J	WG1714899, WG1715252, 11-13, 14D-20D, 21, 22, 13MS/MSD
ICal/ICV VOA116	1,4-Dioxane	RRF	UJ/J	WG1714765, 10D
ICV VOA116	Carbon disulfide	-40.0		WG1714765, 10D

Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D, RRF	Qualifier	Associated Sample
WG1714394-2	1,4-Dioxane	35, RRF	UJ/J	WG1714394, 1-5, 7, 8, 9D
WG1714394-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1714394, 1-5, 7, 8, 9D
WG1714394-2	1,2,3-Trichlorobenzene	RRF	UJ/J	WG1714394, 1-5, 7, 8, 9D
WG1714394-2	Chloromethane	32.3	UJ/J	WG1714394, 1-5, 7, 8, 9D
WG1714394-2	Bromomethane	74.4	UJ/J	WG1714394, 1-5, 7, 8, 9D
WG1714939-2	1,4-Dioxane	57.1, RRF	UJ/J	WG1714939, 6
WG1714939-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1714939, 6
WG1714939-2	1,2-Dibromoethane	RRF	UJ/J	WG1714939, 6
WG1714939-2	trans-1,2-Dichloroethene	-20.5	UJ/J	WG1714939, 6
WG1714939-2	Bromomethane	32.9	UJ/J	WG1714939, 6
WG1714939-2	Carbon disulfide	33.1	UJ/J	WG1714939, 6
WG1714939-2	1,1-Dichloroethane	-28.8	UJ/J	WG1714939, 6

CCal ID	Target Analyte	%D, RRF	Qualifier	Associated Sample
WG1714939-2	Benzene	-20.3	UJ/J	WG1714939, 6
WG1714939-2	Trichloroethene	22	UJ/J	WG1714939, 6
WG1714939-2	m&p-Xylene	-21.5	UJ/J	WG1714939, 6
WG1714939-2	Chloromethane	-40.2	UJ/J	WG1714939, 6
WG1714899-2	1,4-Dioxane	RRF	UJ/J	WG1714899, 11-13, 14D-17D, 19D, 20D, 21, 22, 13MS/MSD
WG1714899-2	Chloroethane	-102.6	UJ/J	WG1714899, 11-13, 14D-17D, 19D, 20D, 21, 22, 13MS/MSD
WG1715252-2	1,4-Dioxane	RRF	UJ/J	WG1715252, 18D
WG1715252-2	Chloromethane	-106.1	UJ/J	WG1715252, 18D
WG1714765-2	1,4-Dioxane	RRF	UJ/J	WG1714765, 10D
WG1714765-2	Bromomethane	33	UJ/J	WG1714765, 10D

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

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.

Volatile Organics

L2263244-15D and -16D: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

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

Authorized Signature: Kelly Stenstrom Report Date: 11/28/22

Title: Technical Director/Representative

Surrogate Recovery Summary
Form 2
Volatiles

Client: The LiRo Group
Project Name: FORMER BUFFALO CHINA

Lab Number: L2263244
Project Number: FORMER BUFFALO CHINA
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-8A (L2263244-01)	107	103	103	97	0
MW-08 (L2263244-02)	108	103	103	99	0
MW-26 (L2263244-03)	110	105	81	97	0
MW-26A (L2263244-04)	110	79	101	97	0
MW-09 (L2263244-05)	112	79	103	99	0
MW-09A (L2263244-06)	106	93	109	117	0
MW-25A (L2263244-07)	111	79	102	98	0
MW-10 (L2263244-08)	115	103	104	102	0
MW-06 (L2263244-09D)	111	103	80	100	0
MW-20A (L2263244-10D)	101	96	92	106	0
MW-7A (L2263244-11)	112	100	100	107	0
MW-7 (L2263244-12)	109	99	105	106	0
MW-19A (L2263244-13)	110	102	101	107	0
MW-19AR (L2263244-14D)	111	100	100	108	0
MW-21A (L2263244-15D)	108	97	99	108	0
DUP-01 (L2263244-16D)	109	102	99	107	0
MW-5R (L2263244-17D)	109	102	102	107	0
MW-5AR (L2263244-18D)	106	102	101	103	0
MW-13A (L2263244-19D)	112	97	97	108	0
MW-11 (L2263244-20D)	109	101	94	109	0
MW-15A (L2263244-21)	112	99	103	110	0
TRIP BLANK (L2263244-22)	109	101	96	107	0
WG1714394-3LCS	96	102	104	97	0
WG1714394-4LCSD	100	103	105	99	0
WG1714394-5BLANK	101	103	105	97	0
WG1714765-3LCS	98	99	92	102	0
WG1714765-4LCSD	98	98	92	102	0
WG1714765-5BLANK	102	97	92	105	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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1714394-3 **Analysis Date** : 11/18/22 08:09	**File ID**	: V01221118A01
LCSD Sample ID	: WG1714394-4 **Analysis Date** : 11/18/22 10:07	**File ID**	: V01221118A06

	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	10	100	10	70-130	20
1,1-Dichloroethane	10	11	110	10	10	100	10	70-130	20
Chloroform	10	12	120	10	11	110	9	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	11	110	10	10	100	10	70-130	20
Dibromochloromethane	10	9.8	98	10	9.7	97	1	63-130	20
1,1,2-Trichloroethane	10	10	100	10	10	100	0	70-130	20
Tetrachloroethene	10	12	120	10	11	110	9	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	11	110	10	9.8	98	12	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	12	120	10	10	100	18	67-130	20
Bromodichloromethane	10	11	110	10	10	100	10	67-130	20
trans-1,3-Dichloropropene	10	10	100	10	10	100	0	70-130	20
cis-1,3-Dichloropropene	10	11	110	10	10	100	10	70-130	20
Bromoform	10	9.2	92	10	9.4	94	2	54-136	20
1,1,2,2-Tetrachloroethane	10	9.4	94	10	9.7	97	3	67-130	20
Benzene	10	11	110	10	10	100	10	70-130	20
Toluene	10	11	110	10	9.9	99	11	70-130	20
Ethylbenzene	10	11	110	10	10	100	10	70-130	20
Chloromethane	10	6.8	68	10	5.8	58 Q	16	64-130	20
Bromomethane	10	2.5	25 Q	10	2.4	24 Q	4	39-139	20
Vinyl chloride	10	10	100	10	9.0	90	11	55-140	20
Chloroethane	10	11	110	10	9.6	96	14	55-138	20
1,1-Dichloroethene	10	11	110	10	9.7	97	13	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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1714939-3 **Analysis Date** : 11/20/22 08:16	**File ID**	: V30221120A01
LCSD Sample ID	: WG1714939-4 **Analysis Date** : 11/20/22 08:36	**File ID**	: V30221120A02

	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	12	120	10	11	110	9	70-130	20
1,2-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,3-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,4-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
Methyl tert butyl ether	10	8.3	83	10	8.4	84	1	63-130	20
p/m-Xylene	20	24	120	20	23	115	4	70-130	20
o-Xylene	20	23	115	20	22	110	4	70-130	20
cis-1,2-Dichloroethene	10	12	120	10	11	110	9	70-130	20
Styrene	20	23	115	20	22	110	4	70-130	20
Dichlorodifluoromethane	10	9.5	95	10	8.8	88	8	36-147	20
Acetone	10	8.5	85	10	8.8	88	3	58-148	20
Carbon disulfide	10	6.7	67	10	6.1	61	9	51-130	20
2-Butanone	10	11	110	10	10	100	10	63-138	20
4-Methyl-2-pentanone	10	9.0	90	10	9.3	93	3	59-130	20
2-Hexanone	10	9.5	95	10	9.9	99	4	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
1,2-Dibromoethane	10	9.5	95	10	9.2	92	3	70-130	20
1,2-Dibromo-3-chloropropane	10	8.6	86	10	8.7	87	1	41-144	20
Isopropylbenzene	10	12	120	10	11	110	9	70-130	20
1,2,3-Trichlorobenzene	10	9.4	94	10	9.2	92	2	70-130	20
1,2,4-Trichlorobenzene	10	9.8	98	10	9.4	94	4	70-130	20
Methyl Acetate	10	11	110	10	11	110	0	70-130	20
Cyclohexane	10	12	120	10	11	110	9	70-130	20
1,4-Dioxane	500	210	42 Q	500	370	74	55 Q	56-162	20
Freon-113	10	8.4	84	10	8.1	81	4	70-130	20
Methyl cyclohexane	10	9.6	96	10	9.1	91	5	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Matrix	: WATER		
LCS Sample ID	: WG1715252-3 **Analysis Date** : 11/21/22 18:15	**File ID**	: V08221121N01
LCSD Sample ID	: WG1715252-4 **Analysis Date** : 11/21/22 18:35	**File ID**	: V08221121N02

	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	9.0	90	10	9.0	90	0	70-130	20
1,1-Dichloroethane	10	9.5	95	10	10	100	5	70-130	20
Chloroform	10	9.5	95	10	9.9	99	4	70-130	20
Carbon tetrachloride	10	8.8	88	10	9.7	97	10	63-132	20
1,2-Dichloropropane	10	9.8	98	10	10	100	2	70-130	20
Dibromochloromethane	10	8.4	84	10	9.1	91	8	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	9.7	97	3	70-130	20
Tetrachloroethene	10	8.3	83	10	9.5	95	13	70-130	20
Chlorobenzene	10	8.8	88	10	9.8	98	11	75-130	20
Trichlorofluoromethane	10	10	100	10	11	110	10	62-150	20
1,2-Dichloroethane	10	9.7	97	10	9.7	97	0	70-130	20
1,1,1-Trichloroethane	10	8.9	89	10	9.5	95	7	67-130	20
Bromodichloromethane	10	9.0	90	10	9.5	95	5	67-130	20
trans-1,3-Dichloropropene	10	8.6	86	10	9.0	90	5	70-130	20
cis-1,3-Dichloropropene	10	8.8	88	10	8.8	88	0	70-130	20
Bromoform	10	7.5	75	10	8.1	81	8	54-136	20
1,1,2,2-Tetrachloroethane	10	9.6	96	10	10	100	4	67-130	20
Benzene	10	9.2	92	10	9.9	99	7	70-130	20
Toluene	10	8.9	89	10	9.6	96	8	70-130	20
Ethylbenzene	10	8.6	86	10	9.5	95	10	70-130	20
Chloromethane	10	8.9	89	10	9.7	97	9	64-130	20
Bromomethane	10	8.7	87	10	9.8	98	12	39-139	20
Vinyl chloride	10	10	100	10	11	110	10	55-140	20
Chloroethane	10	21	210 Q	10	21	210 Q	0	55-138	20
1,1-Dichloroethene	10	9.9	99	10	11	110	11	61-145	20
trans-1,2-Dichloroethene	10	9.0	90	10	9.6	96	6	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Client Sample ID	: MW-19A	**Matrix**	: WATER
Lab Sample ID	: L2263244-13	**Analysis Date**	: 11/19/22 23:23
Matrix Spike	: WG1714899-6	**MS Analysis Date**	: 11/20/22 03:44
Matrix Spike Dup	: WG1714899-7	**MSD Analysis Date**	: 11/20/22 04:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	8.9	89	10	9.5	95	7	70-130	20
1,1-Dichloroethane	ND	10	9.6	96	10	10	100	4	70-130	20
Chloroform	ND	10	9.4	94	10	9.9	99	5	70-130	20
Carbon tetrachloride	ND	10	9.0	90	10	9.3	93	3	63-132	20
1,2-Dichloropropane	ND	10	9.4	94	10	10	100	6	70-130	20
Dibromochloromethane	ND	10	8.3	83	10	9.3	93	11	63-130	20
1,1,2-Trichloroethane	ND	10	9.7	97	10	10	100	3	70-130	20
Tetrachloroethene	ND	10	8.7	87	10	9.5	95	9	70-130	20
Chlorobenzene	ND	10	9.0	90	10	9.7	97	7	75-130	20
Trichlorofluoromethane	ND	10	11	110	10	12	120	9	62-150	20
1,2-Dichloroethane	ND	10	9.3	93	10	9.6	96	3	70-130	20
1,1,1-Trichloroethane	ND	10	9.1	91	10	9.5	95	4	67-130	20
Bromodichloromethane	ND	10	8.8	88	10	9.4	94	7	67-130	20
trans-1,3-Dichloropropene	ND	10	8.3	83	10	8.8	88	6	70-130	20
cis-1,3-Dichloropropene	ND	10	8.0	80	10	8.5	85	6	70-130	20
Bromoform	ND	10	7.3	73	10	8.3	83	13	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.5	95	10	10	100	5	67-130	20
Benzene	ND	10	9.5	95	10	10	100	5	70-130	20
Toluene	ND	10	8.9	89	10	9.8	98	10	70-130	20
Ethylbenzene	ND	10	8.8	88	10	9.6	96	9	70-130	20
Chloromethane	ND	10	8.9	89	10	9.4	94	5	64-130	20
Bromomethane	ND	10	5.6	56	10	7.2	72	25 Q	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Client Sample ID	: MW-19A	**Matrix**	: WATER
Lab Sample ID	: L2263244-13	**Analysis Date**	: 11/19/22 23:23
Matrix Spike	: WG1714899-6	**MS Analysis Date**	: 11/20/22 03:44
Matrix Spike Dup	: WG1714899-7	**MSD Analysis Date**	: 11/20/22 04:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	1.6	10	11	94	10	12	104	9	55-140	20
Chloroethane	ND	10	23	230 Q	10	22	220 Q	4	55-138	20
1,1-Dichloroethene	ND	10	11	110	10	12	120	9	61-145	20
trans-1,2-Dichloroethene	5.6	10	15	94	10	15	94	0	70-130	20
Trichloroethene	43	10	58	150 Q	10	55	120	5	70-130	20
1,2-Dichlorobenzene	ND	10	8.5	85	10	9.1	91	7	70-130	20
1,3-Dichlorobenzene	ND	10	8.5	85	10	9.4	94	10	70-130	20
1,4-Dichlorobenzene	ND	10	8.7	87	10	9.5	95	9	70-130	20
Methyl tert butyl ether	ND	10	8.0	80	10	8.6	86	7	63-130	20
p/m-Xylene	ND	20	18	90	20	19	95	5	70-130	20
o-Xylene	ND	20	17	85	20	19	95	11	70-130	20
cis-1,2-Dichloroethene	59	10	62	30 Q	10	62	30 Q	0	70-130	20
Styrene	ND	20	16	80	20	18	90	12	70-130	20
Dichlorodifluoromethane	ND	10	8.0	80	10	8.5	85	6	36-147	20
Acetone	ND	10	9.9	99	10	11	110	11	58-148	20
Carbon disulfide	ND	10	11	110	10	12	120	9	51-130	20
2-Butanone	ND	10	8.1	81	10	8.8	88	8	63-138	20
4-Methyl-2-pentanone	ND	10	8.4	84	10	9.4	94	11	59-130	20
2-Hexanone	ND	10	7.5	75	10	8.5	85	13	57-130	20
Bromochloromethane	ND	10	8.9	89	10	9.5	95	7	70-130	20
1,2-Dibromoethane	ND	10	9.1	91	10	9.8	98	7	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	8.2	82	10	9.1	91	10	41-144	20

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-01	Date Collected	: 11/08/22 09:30
Client ID	: MW-8A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 15:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01221118A19	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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-01	Date Collected	: 11/08/22 09:30
Client ID	: MW-8A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 15:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01221118A19	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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-01	**Date Collected**	: 11/08/22 09:30
Client ID	: MW-8A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 15:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01221118A19	**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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-02	Date Collected	: 11/08/22 10:00
Client ID	: MW-08	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 15:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01221118A20	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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-02	Date Collected	: 11/08/22 10:00
Client ID	: MW-08	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 15:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01221118A20	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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-02	**Date Collected**	: 11/08/22 10:00
Client ID	: MW-08	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 15:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01221118A20	**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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-03	Date Collected	: 11/08/22 10:30
Client ID	: MW-26	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 16:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A21	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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-03	Date Collected	: 11/08/22 10:30
Client ID	: MW-26	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 16:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A21	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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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	3.8	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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-03	**Date Collected**	: 11/08/22 10:30
Client ID	: MW-26	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A21	**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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-04	Date Collected	: 11/08/22 11:00
Client ID	: MW-26A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 16:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A22	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	1.3	1.0	0.07	
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-04	Date Collected	: 11/08/22 11:00
Client ID	: MW-26A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 16:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A22	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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-04	**Date Collected**	: 11/08/22 11:00
Client ID	: MW-26A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A22	**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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-05	Date Collected	: 11/08/22 11:30
Client ID	: MW-09	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 16:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A23	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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-05	Date Collected	: 11/08/22 11:30
Client ID	: MW-09	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 16:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A23	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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-05	**Date Collected**	: 11/08/22 11:30
Client ID	: MW-09	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 16:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A23	**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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-06	Date Collected	: 11/08/22 12:00
Client ID	: MW-09A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 11:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30221120A12	Instrument ID	: VOA130
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-06	Date Collected	: 11/08/22 12:00
Client ID	: MW-09A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 11:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30221120A12	Instrument ID	: VOA130
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-06	**Date Collected**	: 11/08/22 12:00
Client ID	: MW-09A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 11:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30221120A12	**Instrument ID**	: VOA130
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-07	**Date Collected**	: 11/08/22 13:00
Client ID	: MW-25A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 17:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A25	**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	0.07	1.0	0.07	J
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-07	Date Collected	: 11/08/22 13:00
Client ID	: MW-25A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 17:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A25	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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-07	**Date Collected**	: 11/08/22 13:00
Client ID	: MW-25A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 17:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A25	**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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-08	Date Collected	: 11/08/22 13:30
Client ID	: MW-10	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 18:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A26	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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-08	Date Collected	: 11/08/22 13:30
Client ID	: MW-10	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 18:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A26	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	0.81	2.5	0.70	J
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-08	**Date Collected**	: 11/08/22 13:30
Client ID	: MW-10	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 18:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A26	**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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-09D	Date Collected	: 11/08/22 13:40
Client ID	: MW-06	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 18:25
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A27	Instrument ID	: VOA101
Sample Amount	: 0.2 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	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	ND	25	9.0	U
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	320	50	3.6	
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	42	25	8.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-09D	Date Collected	: 11/08/22 13:40
Client ID	: MW-06	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/18/22 18:25
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V01221118A27	Instrument ID	: VOA101
Sample Amount	: 0.2 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	120	35.	U
79-01-6	Trichloroethene	ND	25	8.8	U
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	5200	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-09D	**Date Collected**	: 11/08/22 13:40
Client ID	: MW-06	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/18/22 18:25
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V01221118A27	**Instrument ID**	: VOA101
Sample Amount	: 0.2 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**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-10D	Date Collected	: 11/08/22 14:15
Client ID	: MW-20A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 18:07
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MCM
Lab File ID	: V16221120A25	Instrument ID	: VOA116
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	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	300	10	0.71	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	2.3	5.0	1.7	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-10D	Date Collected	: 11/08/22 14:15
Client ID	: MW-20A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 18:07
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MCM
Lab File ID	: V16221120A25	Instrument ID	: VOA116
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	7.7	25	7.0	J
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	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	1300	25	7.0	
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	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-10D	**Date Collected**	: 11/08/22 14:15
Client ID	: MW-20A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MCM
Lab File ID	: V16221120A25	**Instrument ID**	: VOA116
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**
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-11	Date Collected	: 11/09/22 08:20
Client ID	: MW-7A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 23:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N13	Instrument ID	: VOA108
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	71	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.25	0.50	0.17	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-11	Date Collected	: 11/09/22 08:20
Client ID	: MW-7A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 23:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N13	Instrument ID	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	120	2.5	0.70	
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	0.59	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-11	**Date Collected**	: 11/09/22 08:20
Client ID	: MW-7A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N13	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-12	Date Collected	: 11/09/22 08:40
Client ID	: MW-7	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 22:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N12	Instrument ID	: VOA108
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-12	Date Collected	: 11/09/22 08:40
Client ID	: MW-7	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 22:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N12	Instrument ID	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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	2.6	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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-12	**Date Collected**	: 11/09/22 08:40
Client ID	: MW-7	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 22:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N12	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-13	Date Collected	: 11/09/22 09:15
Client ID	: MW-19A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 23:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N14	Instrument ID	: VOA108
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	1.6	1.0	0.07	
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-13	Date Collected	: 11/09/22 09:15
Client ID	: MW-19A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 23:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N14	Instrument ID	: VOA108
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	5.6	2.5	0.70	
79-01-6	Trichloroethene	43	0.50	0.18	
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	59	2.5	0.70	
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-13	**Date Collected**	: 11/09/22 09:15
Client ID	: MW-19A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N14	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-14D	Date Collected	: 11/09/22 09:45
Client ID	: MW-19AR	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 23:43
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N15	Instrument ID	: VOA108
Sample Amount	: 0.4 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	62	18.	U
75-34-3	1,1-Dichloroethane	ND	62	18.	U
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	3.4	U
78-87-5	1,2-Dichloropropane	ND	25	3.4	U
124-48-1	Dibromochloromethane	ND	12	3.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	ND	12	4.5	U
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	3.3	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U
71-43-2	Benzene	ND	12	4.0	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND	62	18.	U
75-01-4	Vinyl chloride	170	25	1.8	
75-00-3	Chloroethane	ND	62	18.	U
75-35-4	1,1-Dichloroethene	6.8	12	4.2	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-14D	Date Collected	: 11/09/22 09:45
Client ID	: MW-19AR	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 23:43
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N15	Instrument ID	: VOA108
Sample Amount	: 0.4 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	40	62	18.	J
79-01-6	Trichloroethene	250	12	4.4	
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	18.	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	2600	62	18.	
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	ND	120	25.	U
67-64-1	Acetone	ND	120	36.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	ND	120	48.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
79-20-9	Methyl Acetate	ND	50	5.8	U
110-82-7	Cyclohexane	ND	250	6.8	U
123-91-1	1,4-Dioxane	ND	6200	1500	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-14D	**Date Collected**	: 11/09/22 09:45
Client ID	: MW-19AR	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 23:43
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N15	**Instrument ID**	: VOA108
Sample Amount	: 0.4 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**
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-15D	Date Collected	: 11/09/22 10:00
Client ID	: MW-21A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 00:03
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N16	Instrument ID	: VOA108
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	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
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	170	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	1.5	1.2	0.42	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-15D	Date Collected	: 11/09/22 10:00
Client ID	: MW-21A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 00:03
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N16	Instrument ID	: VOA108
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	9.3	6.2	1.8	
79-01-6	Trichloroethene	0.70	1.2	0.44	J
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	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	250	6.2	1.8	
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
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-15D	**Date Collected**	: 11/09/22 10:00
Client ID	: MW-21A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N16	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-16D	**Date Collected**	: 11/09/22 10:15
Client ID	: DUP-01	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:23
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N17	**Instrument ID**	: VOA108
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	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
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	120	2.0	0.14	
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	0.93	1.0	0.34	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-16D	Date Collected	: 11/09/22 10:15
Client ID	: DUP-01	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 00:23
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N17	Instrument ID	: VOA108
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	11	5.0	1.4	
79-01-6	Trichloroethene	0.38	1.0	0.35	J
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	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	220	5.0	1.4	
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
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-16D	**Date Collected**	: 11/09/22 10:15
Client ID	: DUP-01	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:23
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N17	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-17D	Date Collected	: 11/09/22 10:30
Client ID	: MW-5R	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 00:43
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N18	Instrument ID	: VOA108
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	1.8	2.5	0.90	J
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	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	U
75-01-4	Vinyl chloride	1.4	5.0	0.36	J
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-17D	Date Collected	: 11/09/22 10:30
Client ID	: MW-5R	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 00:43
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N18	Instrument ID	: VOA108
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	20	12	3.5	
79-01-6	Trichloroethene	660	2.5	0.88	
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	3.5	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	420	12	3.5	
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
74-97-5	Bromochloromethane	ND	12	3.5	U
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
79-20-9	Methyl Acetate	ND	10	1.2	U
110-82-7	Cyclohexane	ND	50	1.4	U
123-91-1	1,4-Dioxane	ND	1200	300	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-17D	**Date Collected**	: 11/09/22 10:30
Client ID	: MW-5R	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 00:43
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N18	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	12	3.5	U
108-87-2	Methyl cyclohexane	ND	50	2.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-18D	Date Collected	: 11/09/22 11:00
Client ID	: MW-5AR	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/22/22 01:57
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221121N24	Instrument ID	: VOA108
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	7.7	5.0	1.8	
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	7.1	5.0	1.7	
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	9.8	25	7.0	J
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	20	10	0.71	
75-00-3	Chloroethane	12	25	7.0	J
75-35-4	1,1-Dichloroethene	3.4	5.0	1.7	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-18D	Date Collected	: 11/09/22 11:00
Client ID	: MW-5AR	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/22/22 01:57
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08221121N24	Instrument ID	: VOA108
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	9.8	25	7.0	J
79-01-6	Trichloroethene	1600	5.0	1.8	
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	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	790	25	7.0	
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	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-18D	**Date Collected**	: 11/09/22 11:00
Client ID	: MW-5AR	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/22/22 01:57
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V08221121N24	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-19D	Date Collected	: 11/09/22 12:00
Client ID	: MW-13A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 01:23
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N20	Instrument ID	: VOA108
Sample Amount	: 0.2 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	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	ND	25	9.0	U
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	310	50	3.6	
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	25	25	8.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-19D	Date Collected	: 11/09/22 12:00
Client ID	: MW-13A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 01:23
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N20	Instrument ID	: VOA108
Sample Amount	: 0.2 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	68	120	35.	J
79-01-6	Trichloroethene	650	25	8.8	
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	5600	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-19D	**Date Collected**	: 11/09/22 12:00
Client ID	: MW-13A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 01:23
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N20	**Instrument ID**	: VOA108
Sample Amount	: 0.2 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**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-20D	Date Collected	: 11/09/22 12:30
Client ID	: MW-11	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 01:43
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N21	Instrument ID	: VOA108
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	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
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	7.9	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	0.91	1.2	0.42	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-20D	Date Collected	: 11/09/22 12:30
Client ID	: MW-11	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 01:43
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N21	Instrument ID	: VOA108
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	2.4	6.2	1.8	J
79-01-6	Trichloroethene	81	1.2	0.44	
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	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	330	6.2	1.8	
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
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-20D	**Date Collected**	: 11/09/22 12:30
Client ID	: MW-11	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 01:43
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N21	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-21	Date Collected	: 11/09/22 14:00
Client ID	: MW-15A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 02:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N22	Instrument ID	: VOA108
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	0.57	0.50	0.18	
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-21	Date Collected	: 11/09/22 14:00
Client ID	: MW-15A	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/20/22 02:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N22	Instrument ID	: VOA108
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	4.0	0.50	0.18	
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.85	2.5	0.70	J
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-21	**Date Collected**	: 11/09/22 14:00
Client ID	: MW-15A	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/20/22 02:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N22	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-22	Date Collected	: 11/09/22 00:00
Client ID	: TRIP BLANK	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 22:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N11	Instrument ID	: VOA108
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: L2263244-22	Date Collected	: 11/09/22 00:00
Client ID	: TRIP BLANK	Date Received	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	Date Analyzed	: 11/19/22 22:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N11	Instrument ID	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: L2263244-22	**Date Collected**	: 11/09/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/10/22
Sample Location	: HAYES PLACE, BUFFALO	**Date Analyzed**	: 11/19/22 22:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N11	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1714394-5	Date Collected	: NA
Client ID	: WG1714394-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/18/22 10:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01221118A08	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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1714394-5	Date Collected	: NA
Client ID	: WG1714394-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/18/22 10:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01221118A08	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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714394-5	**Date Collected**	: NA
Client ID	: WG1714394-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/18/22 10:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01221118A08	**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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1714765-5	Date Collected	: NA
Client ID	: WG1714765-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/20/22 10:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V16221120A05	Instrument ID	: VOA116
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1714765-5	Date Collected	: NA
Client ID	: WG1714765-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/20/22 10:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V16221120A05	Instrument ID	: VOA116
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714765-5	**Date Collected**	: NA
Client ID	: WG1714765-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/20/22 10:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V16221120A05	**Instrument ID**	: VOA116
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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1714899-5	Date Collected	: NA
Client ID	: WG1714899-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/19/22 20:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N05	Instrument ID	: VOA108
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1714899-5	Date Collected	: NA
Client ID	: WG1714899-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/19/22 20:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V08221119N05	Instrument ID	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714899-5	**Date Collected**	: NA
Client ID	: WG1714899-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/19/22 20:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V08221119N05	**Instrument ID**	: VOA108
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**
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1714939-5	Date Collected	: NA
Client ID	: WG1714939-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/20/22 09:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V30221120A05	Instrument ID	: VOA130
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1714939-5	Date Collected	: NA
Client ID	: WG1714939-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/20/22 09:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V30221120A05	Instrument ID	: VOA130
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1714939-5	**Date Collected**	: NA
Client ID	: WG1714939-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/20/22 09:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V30221120A05	**Instrument ID**	: VOA130
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**
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	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1715252-5	**Date Collected**	: NA
Client ID	: WG1715252-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/21/22 19:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V08221121N05	**Instrument ID**	: VOA108
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	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Lab ID	: WG1715252-5	Date Collected	: NA
Client ID	: WG1715252-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/21/22 19:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V08221121N05	Instrument ID	: VOA108
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	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
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
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	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
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Lab ID	: WG1715252-5	**Date Collected**	: NA
Client ID	: WG1715252-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/21/22 19:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V08221121N05	**Instrument ID**	: VOA108
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**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL19339**
Calibration dates	**: 09/15/22 13:08 09/15/22 16:42**		

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
38)	TP	2-Butanol			0.011	0.012	0.011	0.012	0.012	0.012	0.012	4.58
39)	TP	2-Butanone			0.054	0.059	0.066	0.072	0.075	0.074	0.067	12.97
40)	TP	1,1-Dichloropr		0.201	0.272	0.299	0.325	0.339	0.344	0.350	0.304	17.54
41)	TP	Benzene	0.940	0.640	0.775	0.850	0.924	0.960	0.981	0.987	0.882	13.77
42)	TP	Tertiary-Amyl Methyl Ether		0.373	0.436	0.478	0.513	0.540	0.564	0.561	0.495	14.28
43)	S	1,2-Dichloroethane-d4	0.293	0.294	0.298	0.290	0.291	0.295	0.299	0.298	0.295	1.07
44)	TP	1,2-Dichloroet		0.224	0.259	0.273	0.295	0.310	0.322	0.320	0.286	12.64
46)	TP	2-Methyl-2-but		0.008	0.009	0.011	0.010	0.010	0.011	0.011	0.010	10.24
47)	TP	Methyl cyclohe		0.274	0.351	0.379	0.409	0.428	0.437	0.458	0.391	16.09
48)	TP	Trichloroethene	0.334	0.183	0.219	0.225	0.260	0.275	0.272	0.283	0.256	18.14
50)	TP	Dibromomethane		0.085	0.099	0.113	0.124	0.131	0.137	0.137	0.118	17.05
51)	TC	1,2-Dichloropr		0.179	0.219	0.233	0.256	0.267	0.276	0.276	0.244	14.65
52)	TP	4-penten-2-ol			0.005	0.008	0.008	0.008	0.009	0.009	0.008#	17.37
54)	TP	Bromodichlorom		0.209	0.254	0.276	0.303	0.324	0.340	0.343	0.293#	16.85
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	3.70
58)	TP	cis-1,3-Dichloropropene		0.239	0.300	0.332	0.366	0.386	0.403	0.405	0.347	17.65
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.293	1.282	1.288	1.292	1.276	1.271	1.253	1.255	1.276	1.23
61)	TC	Toluene		0.566	0.662	0.718	0.773	0.790	0.803	0.815	0.732	12.39
62)	TP	4-Methyl-2-pen		0.049	0.061	0.073	0.077	0.080	0.084	0.082	0.072	17.73
63)	TP	Tetrachloroethene		0.224	0.286	0.317	0.345	0.354	0.358	0.369	0.322	16.02
65)	TP	trans-1,3-Dichloropropene		0.251	0.315	0.359	0.396	0.413	0.431	0.430	0.371	18.16
66)	TP	4-Methyl-2-pen		0.027	0.028	0.035	0.036	0.037	0.039	0.039	0.034	13.97
67)	TP	Ethyl methacry			0.214	0.260	0.287	0.302	0.316	0.313	0.282	13.93
68)	TP	1,1,2-Trichlor		0.125	0.150	0.171	0.180	0.186	0.192	0.192	0.171#	14.55
69)	TP	Chlorodibromom		0.187	0.223	0.252	0.281	0.296	0.310	0.313	0.266	17.77
70)	TP	1,3-Dichloropr		0.267	0.322	0.353	0.379	0.388	0.400	0.397	0.358	13.59
71)	TP	1,2-Dibromoethane		0.150	0.178	0.202	0.218	0.227	0.235	0.234	0.206	15.47
72)	TP	2-Hexanone		0.101	0.103	0.122	0.136	0.142	0.144	0.144	0.128	14.83
73)	TP	Chlorobenzene		0.626	0.734	0.792	0.866	0.896	0.919	0.930	0.823	13.63
74)	TC	Ethylbenzene		1.023	1.230	1.347	1.467	1.523	1.555	1.588	1.390	14.75
75)	TP	1,1,1,2-Tetrac		0.206	0.250	0.277	0.306	0.317	0.330	0.335	0.289	16.39
76)	TP	p/m Xylene		0.382	0.483	0.535	0.586	0.609	0.624	0.636	0.551	16.64
77)	TP	o Xylene		0.383	0.457	0.504	0.552	0.576	0.593	0.600	0.524	15.36
78)	TP	Styrene		0.589	0.707	0.811	0.900	0.950	0.985	0.985	0.847	18.00
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL19339**
Calibration dates	**: 09/15/22 13:08 09/15/22 16:42**		

Calibration Files
L11 =V01220915A05.D L1 =V01220915A07.D L2 =V01220915A08.D L3 =V01220915A10.D L4 =V01220915A11.D
L6 =V01220915A12.D L8 =V01220915A13.D L10 =V01220915A14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
80)	TP	Bromoform		0.196	0.234	0.273	0.297	0.319	0.336	0.337	0.284	18.87
82)	TP	Isopropylbenzene		1.896	2.370	2.562	2.781	2.880	2.951	2.994	2.634	14.97
83)	S	4-Bromofluorobenzene	0.911	0.908	0.907	0.895	0.885	0.888	0.883	0.882	0.895	1.36
84)	TP	Bromobenzene		0.465	0.549	0.591	0.638	0.667	0.693	0.699	0.615	13.91
85)	TP	n-Propylbenzene		2.143	2.670	2.893	3.160	3.295	3.382	3.405	2.993	15.42
86)	TP	1,4-Dichlorobu		0.600	0.649	0.696	0.738	0.774	0.802	0.795	0.722	10.64
87)	TP	1,1,2,2-Tetrac		0.372	0.366	0.421	0.429	0.442	0.484	0.467	0.426	10.42
88)	TP	4-Ethyltoluene		1.810	2.218	2.406	2.645	2.749	2.838	2.865	2.505	15.41
89)	TP	2-Chlorotoluene		1.274	1.590	1.661	1.825	1.898	1.973	1.985	1.743	14.67
90)	TP	1,3,5-Trimethy		1.563	1.863	2.019	2.209	2.301	2.395	2.428	2.111	14.94
91)	TP	1,2,3-Trichlor		0.325	0.308	0.344	0.361	0.380	0.394	0.395	0.358	9.52
92)	TP	trans-1,4-Dich		0.095	0.118	0.127	0.138	0.149	0.157	0.153	0.134	16.58
93)	TP	4-Chlorotoluene		1.360	1.575	1.694	1.874	1.958	2.031	2.047	1.791	14.40
94)	TP	tert-Butylbenzene		1.341	1.604	1.730	1.871	1.952	2.018	2.051	1.795	14.25
97)	TP	1,2,4-Trimethy		1.462	1.793	1.945	2.149	2.240	2.337	2.358	2.040	16.08
98)	TP	sec-Butylbenzene		1.833	2.194	2.411	2.622	2.726	2.816	2.866	2.496	15.05
99)	TP	p-Isopropyltol		1.518	1.859	2.058	2.260	2.354	2.452	2.482	2.141	16.48
100)	TP	1,3-Dichlorobe		0.859	0.984	1.074	1.178	1.239	1.297	1.306	1.134	14.89
101)	TP	1,4-Dichlorobe		0.917	1.027	1.084	1.190	1.251	1.305	1.312	1.155	13.01
102)	TP	p-Diethylbenzene		0.835	1.039	1.148	1.268	1.332	1.391	1.416	1.204	17.52
103)	TP	n-Butylbenzene		1.199	1.411	1.582	1.759	1.835	1.908	1.945	1.663	16.72
104)	TP	1,2-Dichlorobe		0.762	0.878	0.955	1.051	1.099	1.156	1.153	1.008	14.82
105)	TP	1,2,4,5-Tetram		1.117	1.371	1.525	1.712	1.793	1.901	1.900	1.617	18.19
106)	TP	1,2-Dibromo-3-		0.036	0.047	0.058	0.063	0.067	0.072	0.071	*Q	0.9989
107)	TP	1,3,5-Trichlor		0.420	0.504	0.550	0.610	0.639	0.675	0.678	0.582	16.48
108)	TP	Hexachlorobuta		0.164	0.186	0.193	0.210	0.222	0.232	0.239	0.207	13.07
109)	TP	1,2,4-Trichlor		0.352	0.382	0.430	0.479	0.512	0.543	0.543	0.463	16.59
110)	TP	Naphthalene		0.771	0.749	0.871	0.949	1.023	1.091	1.076	0.933	15.02
111)	TP	1,2,3-Trichlor		0.276	0.266	0.299	0.325	0.353	0.376	0.374	0.324#	14.08

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL19400**
Calibration dates	**: 10/12/22 20:17 10/12/22 23:12**		

Calibration Files
L11 =V30221012N04.D L1 =V30221012N06.D L2 =V30221012N08.D L3 =V30221012N09.D L4 =V30221012N10.D
L6 =V30221012N11.D L8 =V30221012N12.D L10 =V30221012N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr			0.243	0.251	0.311	0.299	0.296	0.310	0.285	10.49
41)	TP	Benzene	0.627	0.617	0.828	0.757	0.896	0.877	0.866	0.891	0.795	14.54
42)	TP	Tertiary-Amyl Methyl Ether			0.282	0.267	0.353	0.397	0.417	0.456	*Q	0.9993
43)	S	1,2-Dichloroethane-d4	0.352	0.357	0.356	0.318	0.297	0.282	0.285	0.281	0.316	10.85
44)	TP	1,2-Dichloroet		0.306	0.323	0.270	0.301	0.292	0.291	0.301	0.298	5.46
47)	TP	Methyl cyclohe			0.282	0.299	0.405	0.415	0.417	0.439	0.376	17.91
48)	TP	Trichloroethene	0.166	0.157	0.215	0.205	0.246	0.238	0.238	0.247	0.214	16.69
50)	TP	Dibromomethane		0.116	0.137	0.116	0.129	0.123	0.122	0.127	0.124	5.98
51)	TC	1,2-Dichloropr		0.174	0.215	0.203	0.236	0.233	0.235	0.244	0.220	11.25
53)	TP	2-Chloroethyl			0.078	0.074	0.097	0.108	0.110	0.118	0.097	18.57
54)	TP	Bromodichlorom		0.284	0.344	0.286	0.321	0.311	0.309	0.320	0.310	6.70
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.84
58)	TP	cis-1,3-Dichlo		0.228	0.264	0.252	0.324	0.338	0.346	0.365	0.302	17.66
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.237	1.229	1.257	1.281	1.285	1.262	1.212	1.212	1.247	2.30
61)	TC	Toluene		0.501	0.638	0.610	0.732	0.733	0.702	0.731	0.664	13.10
62)	TP	4-Methyl-2-pen			0.045	0.040	0.052	0.057	0.058	0.061	0.052	15.43
63)	TP	Tetrachloroethene		0.197	0.270	0.267	0.324	0.326	0.310	0.324	0.288	16.55
65)	TP	trans-1,3-Dich		0.219	0.255	0.257	0.351	0.376	0.375	0.392	*Q	0.9986
67)	TP	Ethyl methacry		0.133	0.164	0.157	0.194	0.207	0.206	0.220	0.183	17.44
68)	TP	1,1,2-Trichlor		0.118	0.153	0.153	0.186	0.185	0.179	0.181	0.165#	15.18
69)	TP	Chlorodibromom		0.219	0.253	0.253	0.303	0.306	0.298	0.300	0.276	12.35
70)	TP	1,3-Dichloropr		0.270	0.323	0.317	0.392	0.388	0.375	0.379	0.349	13.28
71)	TP	1,2-Dibromoethane		0.145	0.173	0.174	0.216	0.219	0.212	0.214	0.193#	14.98
72)	TP	2-Hexanone		0.083	0.074	0.070	0.082	0.087	0.088	0.090	0.082	9.18
73)	TP	Chlorobenzene		0.624	0.755	0.695	0.820	0.826	0.787	0.825	0.762	10.12
74)	TC	Ethylbenzene		0.854	1.172	1.146	1.434	1.432	1.373	1.426	1.262	17.30
75)	TP	1,1,1,2-Tetrac		0.187	0.240	0.231	0.292	0.320	0.312	0.329	0.273	19.79
76)	TP	p/m Xylene		0.327	0.454	0.467	0.562	0.581	0.560	0.600	0.507	19.20
77)	TP	o Xylene		0.336	0.439	0.444	0.537	0.554	0.538	0.577	0.489	17.61
78)	TP	Styrene		0.527	0.758	0.757	0.907	0.948	0.910	0.930	0.820	18.49
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.236	0.240	0.247	0.317	0.344	0.347	0.378	0.301	19.62
82)	TP	Isopropylbenzene		1.466	2.124	2.194	2.660	2.701	2.613	2.753	2.359	19.78
83)	S	4-Bromofluorobenzene	0.817	0.822	0.795	0.812	0.784	0.780	0.773	0.782	0.795	2.37
84)	TP	Bromobenzene		0.517	0.586	0.547	0.623	0.619	0.607	0.641	0.591	7.57

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL19477**
Calibration dates	**: 11/10/22 17:38 11/10/22 20:39**		

Calibration Files
L11 =V08221110N04.d L1 =V08221110N06.d L2 =V08221110N08.d L3 =V08221110N09.d L4 =V08221110N10.d
L6 =V08221110N11.d L8 =V08221110N12.d L10 =V08221110N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.297	0.316	0.304	0.315	0.309	0.315	0.318	0.311	2.40
41) TP	Benzene	0.879	0.867	0.956	0.918	0.946	0.955	0.962	0.969	0.931	4.21
42) TP	Tertiary-Amyl Methyl Ether		0.715	0.710	0.696	0.749	0.760	0.774	0.785	0.741	4.63
43) S	1,2-Dichloroethane-d4	0.316	0.323	0.313	0.311	0.305	0.299	0.302	0.301	0.309	2.74
44) TP	1,2-Dichloroet		0.366	0.351	0.334	0.349	0.342	0.345	0.347	0.348	2.82
47) TP	Methyl cyclohe		0.343	0.393	0.372	0.395	0.398	0.405	0.416	0.389	6.18
48) TP	Trichloroethene	0.255	0.234	0.285	0.272	0.277	0.281	0.281	0.282	0.271	6.46
50) TP	Dibromomethane		0.170	0.186	0.183	0.188	0.188	0.190	0.190	0.185	3.82
51) TC	1,2-Dichloropr		0.231	0.243	0.226	0.238	0.237	0.236	0.236	0.235	2.29
53) TP	2-Chloroethyl		0.128	0.149	0.153	0.164	0.167	0.170	0.173	0.158	9.92
54) TP	Bromodichlorom		0.322	0.349	0.339	0.357	0.364	0.365	0.367	0.352	4.75
57) TP	1,4-Dioxane		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	3.99
58) TP	cis-1,3-Dichloropropene		0.390	0.397	0.394	0.422	0.426	0.432	0.439	0.414	4.85
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.238	1.256	1.240	1.214	1.200	1.177	1.175	1.173	1.209	2.72
61) TC	Toluene		0.703	0.798	0.747	0.776	0.782	0.771	0.799	0.768	4.35
62) TP	4-Methyl-2-pen		0.106	0.104	0.110	0.115	0.116	0.114	0.116	0.111	4.42
63) TP	Tetrachloroethene		0.345	0.376	0.359	0.376	0.368	0.367	0.375	0.367	3.12
65) TP	trans-1,3-Dichloropropene		0.439	0.470	0.466	0.491	0.495	0.486	0.496	0.478	4.36
67) TP	Ethyl methacry		0.368	0.360	0.366	0.388	0.391	0.392	0.400	0.381	4.09
68) TP	1,1,2-Trichlor		0.248	0.247	0.241	0.247	0.242	0.237	0.238	0.243	1.85
69) TP	Chlorodibromom		0.340	0.375	0.359	0.379	0.394	0.393	0.402	0.377	5.81
70) TP	1,3-Dichloropr		0.502	0.507	0.493	0.500	0.488	0.478	0.479	0.492	2.29
71) TP	1,2-Dibromoethane		0.324	0.326	0.322	0.331	0.333	0.327	0.329	0.327	1.20
72) TP	2-Hexanone		0.251	0.227	0.208	0.215	0.214	0.207	0.209	0.219	7.27
73) TP	Chlorobenzene		0.939	0.941	0.908	0.941	0.956	0.953	0.987	0.946	2.49
74) TC	Ethylbenzene		1.364	1.505	1.418	1.477	1.504	1.505	1.540	1.473	4.15
75) TP	1,1,1,2-Tetrac		0.331	0.341	0.340	0.367	0.377	0.375	0.390	0.360	6.26
76) TP	p/m Xylene		0.543	0.605	0.578	0.610	0.634	0.633	0.679	0.612	7.10
77) TP	o Xylene		0.510	0.572	0.546	0.585	0.601	0.612	0.656	0.583	8.06
78) TP	Styrene		0.827	0.911	0.917	1.015	1.089	1.097	1.009	0.981	10.18
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.367	0.414	0.428	0.487	0.576	0.601		0.479	19.52
82) TP	Isopropylbenzene		2.559	2.860	2.621	2.693	2.819	2.768	2.729	2.721	3.93
83) S	4-Bromofluorobenzene	0.787	0.807	0.788	0.750	0.755	0.743	0.733	0.708	0.759	4.31
84) TP	Bromobenzene		0.826	0.803	0.750	0.763	0.777	0.771	0.789	0.783	3.29

Initial Calibration Summary
Form 6
Volatiles

Client	**: The LiRo Group**	**Lab Number**	**: L2263244**
Project Name	**: FORMER BUFFALO CHINA**	**Project Number**	**: FORMER BUFFALO CHINA**
Instrument ID	**: VOA116**	**Ical Ref**	**: ICAL19484**
Calibration dates	**: 11/12/22 14:00 11/12/22 17:39**		

Calibration Files
L11 =V16221112A03.D L1 =V16221112A05.D L2 =V16221112A07.D L3 =V16221112A08.D L4 =V16221112A09.D
L6 =V16221112A10.D L8 =V16221112A11.D L10 =V16221112A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43)	TP	1,1-Dichloropr		0.287	0.357	0.400	0.404	0.398	0.389	0.391	0.375	11.14
45)	TP	Benzene	1.040	0.872	1.014	1.130	1.113	1.107	1.081	1.079	1.055	7.88
46)	TP	Tertiary-Amyl Methyl Ether		0.536	0.611	0.711	0.712	0.719	0.715	0.713	0.674	10.66
47)	S	1,2-Dichloroethane-d4	0.325	0.324	0.329	0.323	0.324	0.327	0.333	0.336	0.328	1.42
48)	T	1,2-Dichloroet		0.321	0.360	0.398	0.418	0.405	0.400	0.403	0.386	8.82
51)	TP	Methyl cyclohe		0.378	0.466	0.548	0.561	0.546	0.542	0.544	0.512	13.04
52)	TP	Trichloroethene	0.278	0.236	0.267	0.303	0.304	0.307	0.306	0.310	0.289	9.19
54)	TP	Dibromomethane		0.121	0.139	0.159	0.159	0.155	0.154	0.149	0.148	9.31
55)	TC	1,2-Dichloropr		0.245	0.295	0.368	0.359	0.354	0.350	0.351	0.332	13.52
57)	TP	2-Chloroethyl		0.125	0.137	0.176	0.159	0.160	0.159	0.155	0.153	10.85
58)	TP	Bromodichlorom		0.292	0.325	0.342	0.343	0.337	0.331	0.333	0.329	5.36
61)	TP	1,4-Dioxane		0.001	0.001	0.002	0.001	0.002	0.002	0.002	0.002#	7.30
62)	TP	cis-1,3-Dichloropropene	0.506	0.432	0.452	0.499	0.492	0.489	0.480	0.475	0.478	5.23
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.286	1.299	1.293	1.301	1.289	1.303	1.281	1.282	1.292	0.66
65)	TC	Toluene		0.735	0.819	0.907	0.903	0.905	0.879	0.890	0.863	7.41
66)	TP	4-Methyl-2-pen			0.091	0.112	0.112	0.113	0.114	0.113	0.109	8.23
67)	TP	Tetrachloroethene		0.291	0.358	0.396	0.400	0.402	0.391	0.393	0.376	10.72
69)	TP	trans-1,3-Dichloropropene	0.498	0.429	0.471	0.538	0.545	0.536	0.529	0.527	0.509	7.97
71)	TP	Ethyl methacry		0.318	0.332	0.376	0.376	0.376	0.375	0.373	0.361	6.92
72)	TP	1,1,2-Trichlor		0.191	0.214	0.242	0.240	0.238	0.235	0.235	0.228	8.22
73)	TP	Chlorodibromom		0.260	0.294	0.350	0.353	0.353	0.350	0.352	0.330	11.44
74)	TP	1,3-Dichloropr		0.424	0.455	0.519	0.509	0.500	0.494	0.494	0.485	6.94
75)	TP	1,2-Dibromoethane		0.236	0.250	0.285	0.283	0.280	0.278	0.278	0.270	7.07
77)	TP	2-Hexanone		0.235	0.202	0.212	0.209	0.204	0.205	0.200	0.210	5.76
78)	TP	Chlorobenzene		0.820	0.885	0.978	0.981	0.977	0.957	0.955	0.936	6.51
79)	TC	Ethylbenzene		1.460	1.617	1.757	1.757	1.740	1.690	1.680	1.672	6.34
80)	TP	1,1,1,2-Tetrac		0.264	0.311	0.355	0.360	0.358	0.353	0.354	0.336	10.75
81)	TP	p/m Xylene		0.530	0.607	0.661	0.662	0.664	0.650	0.649	0.632	7.80
82)	TP	o Xylene		0.505	0.553	0.614	0.612	0.609	0.593	0.593	0.583	6.91
83)	TP	Styrene		0.817	0.907	1.021	1.017	1.015	0.988	0.972	0.962	7.86
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.303	0.348	0.416	0.427	0.431	0.437	0.437	0.400	13.20
87)	TP	Isopropylbenzene		2.574	2.988	3.626	3.627	3.520	3.479	3.409	3.317	11.85
88)	S	4-Bromofluorobenzene	0.955	0.953	0.949	0.960	0.942	0.930	0.940	0.927	0.945	1.25
89)	TP	Bromobenzene		0.596	0.676	0.757	0.770	0.754	0.757	0.752	0.723	8.86

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
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)
41	TP	Benzene	0.882	0.880	0.2	106	0.00
42	TP	tert-Amyl methyl ether	0.495	0.508	-2.6	109	0.00
43	S	1,2-Dichloroethane-d4	0.295	0.288	2.4	102	0.00
44	TP	1,2-Dichloroethane	0.286	0.299	-4.5	112	0.00
46	TP	2-Methyl-2-butanol	0.01015	0.00970#	4.4	88	0.00
47	TP	Methyl cyclohexane	0.391	0.392	-0.3	106	0.00
48	TP	Trichloroethene	0.256	0.255	0.4	116	0.00
50	TP	Dibromomethane	0.118	0.125	-5.9	113	0.00
51	TC	1,2-Dichloropropane	0.244	0.251	-2.9	110	0.00
52	TP	4-penten-2-ol	0.00809	0.00702#	13.2	86	0.00
54	TP	Bromodichloromethane	0.293	0.310	-5.8	115	0.00
57	TP	1,4-Dioxane	0.00123	0.00142#	-15.4	123	0.00
58	TP	cis-1,3-Dichloropropene	0.347	0.364	-4.9	112	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
60	S	Toluene-d8	1.276	1.281	-0.4	103	0.00
61	TC	Toluene	0.732	0.757	-3.4	110	0.00
62	TP	4-Methyl-2-pentanone	0.072	0.068	5.6	96	0.00
63	TP	Tetrachloroethene	0.322	0.329	-2.2	108	0.00
65	TP	trans-1,3-Dichloropropene	0.371	0.395	-6.5	114	0.00
66	TP	4-Methyl-2-pentanol	0.034	0.029	14.7	87	0.00
67	TP	Ethyl methacrylate	0.282	0.295	-4.6	118	0.00
68	TP	1,1,2-Trichloroethane	0.171	0.188#	-9.9	114	0.00
69	TP	Chlorodibromomethane	0.266	0.292	-9.8	120	0.00
70	TP	1,3-Dichloropropane	0.358	0.384	-7.3	113	0.00
71	TP	1,2-Dibromoethane	0.206	0.224	-8.7	115	0.00
72	TP	2-Hexanone	0.128	0.112	12.5	96	0.00
73	TP	Chlorobenzene	0.823	0.878	-6.7	115	0.00
74	TC	Ethylbenzene	1.390	1.446	-4.0	112	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.289	0.312	-8.0	117	0.00
76	TP	p/m Xylene	0.551	0.566	-2.7	110	0.00
77	TP	o Xylene	0.524	0.565	-7.8	117	0.00
78	TP	Styrene	0.847	0.929	-9.7	119	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
80	TP	Bromoform	0.284	0.318	-12.0	121	0.00
82	TP	Isopropylbenzene	2.634	2.703	-2.6	109	0.00
83	S	4-Bromofluorobenzene	0.895	0.891	0.4	103	0.00
84	TP	Bromobenzene	0.615	0.661	-7.5	116	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2022\220915A\
Data File : V01220915A19.D
Acq On : 15 Sep 2022 6:41 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1688474
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 16 14:21:52 2022
Quant Method : I:\VOLATILES\VOA101\2022\220915A\V101_220915A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Sep 16 14:19:11 2022
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)
85 TP	n-Propylbenzene	2.993	3.064	-2.4	110	0.00
86 TP	1,4-Dichlorobutane	0.722	0.814	-12.7	121	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.426	0.436	-2.3	107	0.00
88 TP	4-Ethyltoluene	2.505	2.729	-8.9	118	0.00
89 TP	2-Chlorotoluene	1.743	1.820	-4.4	114	0.00
90 TP	1,3,5-Trimethylbenzene	2.111	2.134	-1.1	110	0.00
91 TP	1,2,3-Trichloropropane	0.358	0.369	-3.1	112	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.134	0.141	-5.2	115	0.00
93 TP	4-Chlorotoluene	1.791	1.874	-4.6	115	0.00
94 TP	tert-Butylbenzene	1.795	1.820	-1.4	109	0.00
97 TP	1,2,4-Trimethylbenzene	2.040	2.170	-6.4	116	0.00
98 TP	sec-Butylbenzene	2.496	2.482	0.6	107	0.00
99 TP	p-Isopropyltoluene	2.141	2.144	-0.1	108	0.00
100 TP	1,3-Dichlorobenzene	1.134	1.183	-4.3	114	0.00
101 TP	1,4-Dichlorobenzene	1.155	1.161	-0.5	111	0.00
102 TP	p-Diethylbenzene	1.204	1.233	-2.4	111	0.00
103 TP	n-Butylbenzene	1.663	1.701	-2.3	112	0.00
104 TP	1,2-Dichlorobenzene	1.008	1.072	-6.3	116	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.617	1.671	-3.3	114	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	9.803	2.0	112	0.00
107 TP	1,3,5-Trichlorobenzene	0.582	0.651	-11.9	123	0.00
108 TP	Hexachlorobutadiene	0.207	0.195	5.8	105	0.00
109 TP	1,2,4-Trichlorobenzene	0.463	0.472	-1.9	114	0.00
110 TP	Naphthalene	0.933	0.946	-1.4	113	0.00
111 TP	1,2,3-Trichlorobenzene	0.324	0.325#	-0.3	113	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 6 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
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	101	0.00
2	TP	Dichlorodifluoromethane	0.203	0.334	-64.5#	167	0.00
3	TP	Chloromethane	0.241	0.337	-39.8#	145	0.00
4	TC	Vinyl chloride	0.263	0.347	-31.9#	139	0.00
5	TP	Bromomethane	0.161	0.214	-32.9#	154	0.00
6	TP	Chloroethane	0.207	0.251	-21.3#	132	0.00
7	TP	Trichlorofluoromethane	0.440	0.561	-27.5#	133	0.00
8	TP	Ethyl ether	0.114	0.144	-26.3#	136	0.00
10	TC	1,1-Dichloroethene	0.256	0.289	-12.9	118	0.00
11	TP	Carbon disulfide	0.634	0.882	-39.1#	145	0.00
12	TP	Freon-113	0.272	0.326	-19.9	126	0.00
13	TP	Iodomethane	* 10.000	8.541	14.6	117	0.00
14	TP	Acrolein	0.025	0.021	16.0	91	0.00
15	TP	Methylene chloride	0.225	0.244	-8.4	117	0.00
17	TP	Acetone	* 10.000	11.097	-11.0	104	0.00
18	TP	trans-1,2-Dichloroethene	0.215	0.235	-9.3	117	0.00
19	TP	Methyl acetate	0.094	0.093	1.1	104	0.00
20	TP	Methyl tert-butyl ether	0.344	0.351	-2.0	120	0.00
21	TP	tert-Butyl alcohol	0.00715	0.00800#	-11.9	131	0.00
22	TP	Diisopropyl ether	0.610	0.549	10.0	114	0.00
23	TP	1,1-Dichloroethane	0.410	0.454	-10.7	117	0.00
24	TP	Halothane	0.168	0.200	-19.0	119	0.00
25	TP	Acrylonitrile	0.049	0.054	-10.2	124	0.00
26	TP	Ethyl tert-butyl ether	0.507	0.449	11.4	118	0.00
27	TP	Vinyl acetate	0.352	0.306	13.1	116	0.00
28	TP	cis-1,2-Dichloroethene	0.241	0.254	-5.4	113	0.00
29	TP	2,2-Dichloropropane	0.248	0.244	1.6	111	0.00
30	TP	Bromochloromethane	0.117	0.125	-6.8	112	0.00
31	TP	Cyclohexane	0.420	0.436	-3.8	120	0.00
32	TC	Chloroform	0.403	0.430	-6.7	114	0.00
33	TP	Ethyl acetate	0.111	0.110	0.9	122	0.00
34	TP	Carbon tetrachloride	0.316	0.350	-10.8	116	0.00
35	TP	Tetrahydrofuran	0.032	0.032	0.0	94	0.00
36	S	Dibromofluoromethane	0.313	0.311	0.6	102	0.00
37	TP	1,1,1-Trichloroethane	0.331	0.370	-11.8	121	0.00
39	TP	2-Butanone	0.049	0.054	-10.2	125	0.00
40	TP	1,1-Dichloropropene	0.285	0.291	-2.1	117	0.00
41	TP	Benzene	0.795	0.843	-6.0	112	0.00
42	TP	tert-Amyl methyl ether	* 10.000	9.445	5.5	117	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221012N-ICAL\
Data File : V30221012N18.D
Acq On : 13 Oct 2022 12:49 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1699013,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 13 11:50:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221012N-ICAL\VOA130_221012N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 13 11:46:57 2022
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	0.316	0.315	0.3	100	0.00
44	TP	1,2-Dichloroethane	0.298	0.313	-5.0	117	0.00
47	TP	Methyl cyclohexane	0.376	0.351	6.6	118	0.00
48	TP	Trichloroethene	0.214	0.231	-7.9	114	0.00
50	TP	Dibromomethane	0.124	0.129	-4.0	112	0.00
51	TC	1,2-Dichloropropane	0.220	0.227	-3.2	113	0.00
53	TP	2-Chloroethyl vinyl ether	0.097	0.093	4.1	127	0.00
54	TP	Bromodichloromethane	0.310	0.331	-6.8	117	0.00
57	TP	1,4-Dioxane	0.00091	0.00095#	-4.4	116	0.00
58	TP	cis-1,3-Dichloropropene	0.302	0.287#	5.0	115	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
60	S	Toluene-d8	1.247	1.268	-1.7	100	0.00
61	TC	Toluene	0.664	0.690	-3.9	114	0.00
62	TP	4-Methyl-2-pentanone	0.052	0.052	0.0	130	0.00
63	TP	Tetrachloroethene	0.288	0.304	-5.6	115	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	9.167	8.3	121	0.00
67	TP	Ethyl methacrylate	0.183	0.204	-11.5	131	0.00
68	TP	1,1,2-Trichloroethane	0.165	0.176#	-6.7	116	0.00
69	TP	Chlorodibromomethane	0.276	0.292	-5.8	117	0.00
70	TP	1,3-Dichloropropane	0.349	0.363	-4.0	116	0.00
71	TP	1,2-Dibromoethane	0.193	0.197#	-2.1	115	0.00
72	TP	2-Hexanone	0.082	0.086	-4.9	124	0.00
73	TP	Chlorobenzene	0.762	0.811	-6.4	118	0.00
74	TC	Ethylbenzene	1.262	1.335	-5.8	118	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.273	0.273	0.0	120	0.00
76	TP	p/m Xylene	0.507	0.536	-5.7	116	0.00
77	TP	o Xylene	0.489	0.546	-11.7	124	0.00
78	TP	Styrene	0.820	0.948	-15.6	127	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
80	TP	Bromoform	0.301	0.306	-1.7	126	0.00
82	TP	Isopropylbenzene	2.359	2.534	-7.4	117	0.00
83	S	4-Bromofluorobenzene	0.795	0.807	-1.5	101	0.00
84	TP	Bromobenzene	0.591	0.635	-7.4	118	0.00
85	TP	n-Propylbenzene	2.890	3.125	-8.1	116	0.00
86	TP	1,4-Dichlorobutane	0.619	0.704	-13.7	137	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.412	0.414	-0.5	114	0.00
88	TP	4-Ethyltoluene	2.385	2.864	-20.1#	132	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	99	0.00
2	TP	Dichlorodifluoromethane	0.187	0.254	-35.8#	133	0.00
3	TP	Chloromethane	0.210	0.231	-10.0	109	0.00
4	TC	Vinyl chloride	0.226	0.265	-17.3	111	0.00
5	TP	Bromomethane	0.220	0.302	-37.3#	149	0.00
6	TP	Chloroethane	0.231	0.262	-13.4	112	0.00
7	TP	Trichlorofluoromethane	0.504	0.550	-9.1	108	0.00
8	TP	Ethyl ether	0.164	0.199	-21.3#	122	0.00
10	TC	1,1-Dichloroethene	0.298	0.292	2.0	99	0.00
11	TP	Carbon disulfide	0.517	0.831	-60.7#	162	0.00
12	TP	Freon-113	0.306	0.313	-2.3	102	0.00
13	TP	Iodomethane	0.367	0.295	19.6	80	0.00
14	TP	Acrolein	0.038	0.019	50.0#	53	0.00
15	TP	Methylene chloride	0.253	0.241	4.7	97	0.00
17	TP	Acetone	0.070	0.068	2.9	98	0.00
18	TP	trans-1,2-Dichloroethene	0.242	0.243	-0.4	101	0.00
19	TP	Methyl acetate	0.174	0.163	6.3	99	0.00
20	TP	Methyl tert-butyl ether	0.647	0.688	-6.3	107	0.00
21	TP	tert-Butyl alcohol	0.030	0.027	10.0	97	0.00
22	TP	Diisopropyl ether	0.675	0.627	7.1	95	0.00
23	TP	1,1-Dichloroethane	0.390	0.403	-3.3	102	0.00
24	TP	Halothane	0.198	0.198	0.0	100	0.00
25	TP	Acrylonitrile	0.077	0.080	-3.9	106	0.00
26	TP	Ethyl tert-butyl ether	0.706	0.660	6.5	95	0.00
27	TP	Vinyl acetate	0.466	0.355	23.8#	78	0.00
28	TP	cis-1,2-Dichloroethene	0.279	0.268	3.9	96	0.00
29	TP	2,2-Dichloropropane	0.363	0.329	9.4	94	0.00
30	TP	Bromochloromethane	0.154	0.150	2.6	95	0.00
31	TP	Cyclohexane	0.335	0.314	6.3	96	0.00
32	TC	Chloroform	0.445	0.445	0.0	101	0.00
33	TP	Ethyl acetate	0.237	0.226	4.6	95	0.00
34	TP	Carbon tetrachloride	0.353	0.356	-0.8	101	0.00
35	TP	Tetrahydrofuran	0.077	0.069	10.4	93	0.00
36	S	Dibromofluoromethane	0.293	0.287	2.0	97	0.00
37	TP	1,1,1-Trichloroethane	0.390	0.418	-7.2	108	0.00
39	TP	2-Butanone	0.116	0.112	3.4	102	0.00
40	TP	1,1-Dichloropropene	0.311	0.307	1.3	100	0.00
41	TP	Benzene	0.931	0.907	2.6	98	0.00
42	TP	tert-Amyl methyl ether	0.741	0.653	11.9	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2022\221110NICAL\
Data File : V08221110N18.d
Acq On : 10 Nov 2022 10:19 pm
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1711062,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 11 07:44:30 2022
Quant Method : I:\VOLATILES\VOA108\2022\221110NICAL\V108_221110N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 11 07:43:37 2022
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	0.309	0.307	0.6	97	0.00
44	TP	1,2-Dichloroethane	0.348	0.342	1.7	101	0.00
47	TP	Methyl cyclohexane	0.389	0.368	5.4	98	0.00
48	TP	Trichloroethene	0.271	0.283	-4.4	103	0.00
50	TP	Dibromomethane	0.185	0.180	2.7	97	0.00
51	TC	1,2-Dichloropropane	0.235	0.231	1.7	101	0.00
53	TP	2-Chloroethyl vinyl ether	0.158	0.152	3.8	98	0.00
54	TP	Bromodichloromethane	0.352	0.337	4.3	98	0.00
57	TP	1,4-Dioxane	0.00274	0.00259#	5.5	95	0.00
58	TP	cis-1,3-Dichloropropene	0.414	0.392	5.3	98	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
60	S	Toluene-d8	1.209	1.251	-3.5	102	0.00
61	TC	Toluene	0.768	0.741	3.5	98	0.00
62	TP	4-Methyl-2-pentanone	0.111	0.101	9.0	91	0.00
63	TP	Tetrachloroethene	0.367	0.368	-0.3	101	0.00
65	TP	trans-1,3-Dichloropropene	0.478	0.462	3.3	98	0.00
67	TP	Ethyl methacrylate	0.381	0.372	2.4	100	0.00
68	TP	1,1,2-Trichloroethane	0.243	0.245	-0.8	101	0.00
69	TP	Chlorodibromomethane	0.377	0.368	2.4	101	0.00
70	TP	1,3-Dichloropropane	0.492	0.484	1.6	97	0.00
71	TP	1,2-Dibromoethane	0.327	0.318	2.8	98	0.00
72	TP	2-Hexanone	0.219	0.194	11.4	92	0.00
73	TP	Chlorobenzene	0.946	0.927	2.0	101	0.00
74	TC	Ethylbenzene	1.473	1.439	2.3	100	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.360	0.343	4.7	100	0.00
76	TP	p/m Xylene	0.612	0.577	5.7	99	0.00
77	TP	o Xylene	0.583	0.564	3.3	102	0.00
78	TP	Styrene	0.981	0.945	3.7	102	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
80	TP	Bromoform	0.479	0.436	9.0	97	0.00
82	TP	Isopropylbenzene	2.721	2.759	-1.4	101	0.00
83	S	4-Bromofluorobenzene	0.759	0.794	-4.6	101	0.00
84	TP	Bromobenzene	0.783	0.767	2.0	98	0.00
85	TP	n-Propylbenzene	3.135	3.190	-1.8	101	0.00
86	TP	1,4-Dichlorobutane	0.767	0.779	-1.6	105	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.704	0.656	6.8	91	0.00
88	TP	4-Ethyltoluene	2.652	2.603	1.8	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	104	0.00
2	TP	Dichlorodifluoromethane	0.238	0.294	-23.5#	117	0.00
3	TP	Chloromethane	0.355	0.412	-16.1	116	0.00
4	TC	Vinyl chloride	0.330	0.378	-14.5	108	0.00
5	TP	Bromomethane	0.209	0.204	2.4	96	0.00
6	TP	Chloroethane	0.206	0.224	-8.7	106	0.00
7	TP	Trichlorofluoromethane	0.377	0.419	-11.1	103	0.00
8	TP	Ethyl ether	0.109	0.130	-19.3	117	0.00
10	TC	1,1-Dichloroethene	0.229	0.228	0.4	97	0.00
11	TP	Carbon disulfide	0.447	0.626	-40.0#	138	0.00
12	TP	Freon-113	0.257	0.234	8.9	88	0.00
13	TP	Iodomethane	* 10.000	10.814	-8.1	160	0.00
14	TP	Acrolein	0.041	0.021	48.8#	50	0.00
15	TP	Methylene chloride	0.265	0.264	0.4	101	0.00
17	TP	Acetone	* 10.000	8.635	13.7	88	0.00
18	TP	trans-1,2-Dichloroethene	0.255	0.261	-2.4	99	0.00
19	TP	Methyl acetate	0.163	0.150	8.0	88	0.00
21	TP	Methyl tert-butyl ether	0.565	0.594	-5.1	103	0.00
22	TP	tert-Butyl alcohol	0.019	0.019	0.0	98	0.00
24	TP	Diisopropyl ether	1.082	0.984	9.1	88	0.00
25	TP	1,1-Dichloroethane	0.552	0.567	-2.7	99	0.00
26	TP	Halothane	0.198	0.187	5.6	91	0.00
27	TP	Acrylonitrile	0.078	0.084	-7.7	103	0.00
28	TP	Ethyl tert-butyl ether	0.927	0.845	8.8	89	0.00
29	TP	Vinyl acetate	0.592	0.342	42.2#	56	0.00
30	TP	cis-1,2-Dichloroethene	0.284	0.285	-0.4	98	0.00
31	TP	2,2-Dichloropropane	0.399	0.341	14.5	83	0.00
33	TP	Bromochloromethane	0.118	0.121	-2.5	96	0.00
34	TP	Cyclohexane	0.623	0.547	12.2	84	0.00
35	TC	Chloroform	0.497	0.514	-3.4	100	0.00
36	TP	Ethyl acetate	0.263	0.226	14.1	88	0.00
37	TP	Carbon tetrachloride	0.383	0.392	-2.3	98	0.00
38	TP	Tetrahydrofuran	0.085	0.079	7.1	90	0.00
39	S	Dibromofluoromethane	0.270	0.272	-0.7	105	0.00
40	TP	1,1,1-Trichloroethane	0.412	0.437	-6.1	104	0.00
42	TP	2-Butanone	0.109	0.088	19.3	84	0.00
43	TP	1,1-Dichloropropene	0.375	0.368	1.9	95	0.00
45	TP	Benzene	1.055	1.060	-0.5	97	0.00
46	TP	tert-Amyl methyl ether	0.674	0.606	10.1	88	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA116\2022\221112ICAL\
Data File : V16221112A18.D
Acq On : 12 Nov 2022 08:05 pm
Operator : VOA116:MCM
Sample : C8260STD10PPB
Misc : WG1711989
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 14 10:51:28 2022
Quant Method : I:\VOLATILES\VOA116\2022\221112ICAL\V116_221112_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Nov 14 08:29:26 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.328	0.322	1.8	103	0.00
48	T	1,2-Dichloroethane	0.386	0.389	-0.8	101	0.00
51	TP	Methyl cyclohexane	0.512	0.449	12.3	85	0.00
52	TP	Trichloroethene	0.289	0.314	-8.7	107	0.00
54	TP	Dibromomethane	0.148	0.153	-3.4	100	0.00
55	TC	1,2-Dichloropropane	0.332	0.344	-3.6	97	0.00
57	TP	2-Chloroethyl vinyl ether	0.153	0.139	9.2	82	0.00
58	TP	Bromodichloromethane	0.329	0.331	-0.6	100	0.00
61	TP	1,4-Dioxane	0.00156	0.00138#	11.5	90	0.00
62	TP	cis-1,3-Dichloropropene	0.478	0.465	2.7	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	S	Toluene-d8	1.292	1.292	0.0	103	0.00
65	TC	Toluene	0.863	0.857	0.7	98	0.00
66	TP	4-Methyl-2-pentanone	0.109	0.097	11.0	90	0.00
67	TP	Tetrachloroethene	0.376	0.378	-0.5	99	0.00
69	TP	trans-1,3-Dichloropropene	0.509	0.506	0.6	97	0.00
71	TP	Ethyl methacrylate	0.361	0.350	3.0	96	0.00
72	TP	1,1,2-Trichloroethane	0.228	0.237	-3.9	102	0.00
73	TP	Chlorodibromomethane	0.330	0.342	-3.6	101	0.00
74	TP	1,3-Dichloropropane	0.485	0.492	-1.4	98	0.00
75	TP	1,2-Dibromoethane	0.270	0.273	-1.1	99	0.00
77	TP	2-Hexanone	0.210	0.185	11.9	90	0.00
78	TP	Chlorobenzene	0.936	0.951	-1.6	101	0.00
79	TC	Ethylbenzene	1.672	1.681	-0.5	99	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.336	0.344	-2.4	100	0.00
81	TP	p/m Xylene	0.632	0.629	0.5	99	0.00
82	TP	o Xylene	0.583	0.593	-1.7	100	0.00
83	TP	Styrene	0.962	1.001	-4.1	102	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
85	TP	Bromoform	0.400	0.403	-0.8	102	0.00
87	TP	Isopropylbenzene	3.317	3.407	-2.7	99	0.00
88	S	4-Bromofluorobenzene	0.945	0.933	1.3	102	0.00
89	TP	Bromobenzene	0.723	0.731	-1.1	102	0.00
90	TP	n-Propylbenzene	3.755	3.777	-0.6	99	0.00
91	TP	1,4-Dichlorobutane	1.044	1.037	0.7	100	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.592	0.529	10.6	88	0.00
93	TP	4-Ethyltoluene	3.014	2.822	6.4	93	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA101		**Calibration Date**	: 11/18/22 08:09	
Lab File ID	: V01221118A01		**Init. Calib. Date(s)**	: 09/15/22	09/15/22
Sample No	: WG1714394-2		**Init. Calib. Times**	: 13:08	16:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	141	0
Dichlorodifluoromethane	0.242	0.228	-	5.8	20	136	0
Chloromethane	0.285	0.193	-	32.3*	20	101	0
Vinyl chloride	0.265	0.276	-	-4.2	20	146	0
Bromomethane	0.156	0.04	-	74.4*	20	48	0
Chloroethane	0.158	0.172	-	-8.9	20	149	0
Trichlorofluoromethane	0.345	0.391	-	-13.3	20	164	0
Ethyl ether	0.089	0.089	-	0	20	144	0
1,1-Dichloroethene	0.208	0.231	-	-11.1	20	163	0
Carbon disulfide	0.524	0.439	-	16.2	20	128	0
Freon-113	0.231	0.255	-	-10.4	20	159	0
Acrolein	0.027	0.022	-	18.5	20	115	0
Methylene chloride	0.226	0.248	-	-9.7	20	169	0
Acetone	0.054	0.039	-	27.8*	20	114	0
trans-1,2-Dichloroethene	0.223	0.256	-	-14.8	20	168	0
Methyl acetate	0.111	0.093	-	16.2	20	122	0
Methyl tert-butyl ether	0.456	0.449	-	1.5	20	144	0
tert-Butyl alcohol	0.01301	0.00929*	-	28.6*	20	97	0
Diisopropyl ether	0.8	0.877	-	-9.6	20	158	0
1,1-Dichloroethane	0.43	0.486	-	-13	20	164	0
Halothane	0.175	0.187	-	-6.9	20	153	0
Acrylonitrile	0.053	0.044	-	17	20	125	0
Ethyl tert-butyl ether	0.659	0.681	-	-3.3	20	151	0
Vinyl acetate	0.413	0.397	-	3.9	20	131	0
cis-1,2-Dichloroethene	0.244	0.275	-	-12.7	20	169	0
2,2-Dichloropropane	0.331	0.395	-	-19.3	20	171	0
Bromochloromethane	0.107	0.115	-	-7.5	20	149	0
Cyclohexane	0.468	0.528	-	-12.8	20	163	0
Chloroform	0.381	0.445	-	-16.8	20	173	0
Ethyl acetate	0.164	0.133	-	18.9	20	118	0
Carbon tetrachloride	0.329	0.372	-	-13.1	20	165	0
Tetrahydrofuran	0.048	0.039	-	18.8	20	120	0
Dibromofluoromethane	0.269	0.26	-	3.3	20	138	0
1,1,1-Trichloroethane	0.353	0.41	-	-16.1	20	170	0
2-Butanone	0.067	0.048	-	28.4*	20	117	0
1,1-Dichloropropene	0.304	0.365	-	-20.1*	20	172	0
Benzene	0.882	1.003	-	-13.7	20	167	0
tert-Amyl methyl ether	0.495	0.509	-	-2.8	20	150	-.01
1,2-Dichloroethane-d4	0.295	0.283	-	4.1	20	138	0
1,2-Dichloroethane	0.286	0.296	-	-3.5	20	153	0
Methyl cyclohexane	0.391	0.455	-	-16.4	20	169	0
Trichloroethene	0.256	0.272	-	-6.3	20	171	0
Dibromomethane	0.118	0.12	-	-1.7	20	150	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group	Lab Number	: L2263244
Project Name	: FORMER BUFFALO CHINA	Project Number	: FORMER BUFFALO CHINA
Instrument ID	: VOA101	Calibration Date	: 11/18/22 08:09
Lab File ID	: V01221118A01	Init. Calib. Date(s)	: 09/15/22 09/15/22
Sample No	: WG1714394-2	Init. Calib. Times	: 13:08 16:42
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.244	0.27	-	-10.7	20	163	0
Bromodichloromethane	0.293	0.317	-	-8.2	20	162	0
1,4-Dioxane	0.00123	0.0008*	-	35*	20	95	0
cis-1,3-Dichloropropene	0.347	0.383	-	-10.4	20	163	0
Chlorobenzene-d5	1	1	-	0	20	146	0
Toluene-d8	1.276	1.298	-	-1.7	20	146	0
Toluene	0.732	0.791	-	-8.1	20	160	0
4-Methyl-2-pentanone	0.072	0.062	-	13.9	20	124	0
Tetrachloroethene	0.322	0.371	-	-15.2	20	171	0
trans-1,3-Dichloropropene	0.371	0.381	-	-2.7	20	154	0
Ethyl methacrylate	0.282	0.246	-	12.8	20	138	0
1,1,2-Trichloroethane	0.171	0.179*	-	-4.7	20	153	0
Chlorodibromomethane	0.266	0.262	-	1.5	20	151	0
1,3-Dichloropropane	0.358	0.377	-	-5.3	20	156	0
1,2-Dibromoethane	0.206	0.203	-	1.5	20	147	0
2-Hexanone	0.128	0.102	-	20.3*	20	122	-.01
Chlorobenzene	0.823	0.877	-	-6.6	20	161	0
Ethylbenzene	1.39	1.53	-	-10.1	20	165	0
1,1,1,2-Tetrachloroethane	0.289	0.302	-	-4.5	20	159	-.01
p/m Xylene	0.551	0.601	-	-9.1	20	164	0
o Xylene	0.524	0.545	-	-4	20	157	0
Styrene	0.847	0.846	-	0.1	20	152	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	150	0
Bromoform	0.284	0.261	-	8.1	20	143	0
Isopropylbenzene	2.634	2.749	-	-4.4	20	161	0
4-Bromofluorobenzene	0.895	0.934	-	-4.4	20	157	0
Bromobenzene	0.615	0.64	-	-4.1	20	163	0
n-Propylbenzene	2.993	3.171	-	-5.9	20	165	0
1,4-Dichlorobutane	0.722	0.628	-	13	20	135	0
1,1,2,2-Tetrachloroethane	0.426	0.4	-	6.1	20	143	0
4-Ethyltoluene	2.505	2.585	-	-3.2	20	161	0
2-Chlorotoluene	1.743	1.842	-	-5.7	20	166	0
1,3,5-Trimethylbenzene	2.111	2.167	-	-2.7	20	161	0
1,2,3-Trichloropropane	0.358	0.33	-	7.8	20	144	0
trans-1,4-Dichloro-2-buten	0.134	0.099	-	26.1*	20	117	0
4-Chlorotoluene	1.791	1.876	-	-4.7	20	166	0
tert-Butylbenzene	1.795	1.923	-	-7.1	20	167	0
1,2,4-Trimethylbenzene	2.04	2.107	-	-3.3	20	163	0
sec-Butylbenzene	2.496	2.588	-	-3.7	20	161	0
p-Isopropyltoluene	2.141	2.288	-	-6.9	20	167	0
1,3-Dichlorobenzene	1.134	1.16	-	-2.3	20	162	0
1,4-Dichlorobenzene	1.155	1.169	-	-1.2	20	162	0
p-Diethylbenzene	1.204	1.286	-	-6.8	20	168	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA101		**Calibration Date**	: 11/18/22 08:09	
Lab File ID	: V01221118A01		**Init. Calib. Date(s)**	: 09/15/22	09/15/22
Sample No	: WG1714394-2		**Init. Calib. Times**	: 13:08	16:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.663	1.79	-	-7.6	20	170	0
1,2-Dichlorobenzene	1.008	1.011	-	-0.3	20	159	0
1,2,4,5-Tetramethylbenzene	1.617	1.709	-	-5.7	20	168	0
1,2-Dibromo-3-chloropropan	10	7.649	-	23.5*	20	125	0
1,3,5-Trichlorobenzene	0.582	0.643	-	-10.5	20	176	0
Hexachlorobutadiene	0.207	0.267	-	-29*	20	208	0
1,2,4-Trichlorobenzene	0.463	0.459	-	0.9	20	160	0
Naphthalene	0.933	0.677	-	27.4*	20	117	0
1,2,3-Trichlorobenzene	0.324	0.28*	-	13.6	20	140	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/19/22 19:02	
Lab File ID	: V08221119N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1714899-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	84	0
Dichlorodifluoromethane	0.187	0.155	-	17.1	20	69	0
Chloromethane	0.21	0.187	-	11	20	75	-.01
Vinyl chloride	0.226	0.232	-	-2.7	20	82	0
Bromomethane	0.22	0.196	-	10.9	20	82	0
Chloroethane	0.231	0.468	-	-102.6*	20	170	0
Trichlorofluoromethane	0.504	0.521	-	-3.4	20	87	0
Ethyl ether	0.164	0.166	-	-1.2	20	86	0
1,1-Dichloroethene	0.298	0.309	-	-3.7	20	89	0
Carbon disulfide	0.517	0.545	-	-5.4	20	90	0
Freon-113	0.306	0.342	-	-11.8	20	94	0
Acrolein	0.038	0.039	-	-2.6	20	93	0
Methylene chloride	0.253	0.222	-	12.3	20	76	0
Acetone	0.07	0.061	-	12.9	20	75	0
trans-1,2-Dichloroethene	0.242	0.226	-	6.6	20	80	0
Methyl acetate	0.174	0.136	-	21.8*	20	70	-.01
Methyl tert-butyl ether	0.647	0.517	-	20.1*	20	69	-.01
tert-Butyl alcohol	0.03	0.023	-	23.3*	20	69	-.01
Diisopropyl ether	0.675	0.569	-	15.7	20	73	-.01
1,1-Dichloroethane	0.39	0.381	-	2.3	20	82	-.01
Halothane	0.198	0.176	-	11.1	20	76	-.01
Acrylonitrile	0.077	0.065	-	15.6	20	73	-.01
Ethyl tert-butyl ether	0.706	0.58	-	17.8	20	71	-.01
Vinyl acetate	0.466	0.435	-	6.7	20	81	-.01
cis-1,2-Dichloroethene	0.279	0.255	-	8.6	20	77	-.01
2,2-Dichloropropane	0.363	0.323	-	11	20	78	-.01
Bromochloromethane	0.154	0.143	-	7.1	20	77	0
Cyclohexane	0.335	0.294	-	12.2	20	77	0
Chloroform	0.445	0.407	-	8.5	20	78	-.01
Ethyl acetate	0.237	0.195	-	17.7	20	70	-.01
Carbon tetrachloride	0.353	0.306	-	13.3	20	74	-.01
Tetrahydrofuran	0.077	0.063	-	18.2	20	73	0
Dibromofluoromethane	0.293	0.3	-	-2.4	20	86	-.01
1,1,1-Trichloroethane	0.39	0.341	-	12.6	20	75	0
2-Butanone	0.116	0.098	-	15.5	20	76	-.01
1,1-Dichloropropene	0.311	0.28	-	10	20	77	-.01
Benzene	0.931	0.852	-	8.5	20	78	0
tert-Amyl methyl ether	0.741	0.546	-	26.3*	20	66	0
1,2-Dichloroethane-d4	0.309	0.313	-	-1.3	20	85	-.01
1,2-Dichloroethane	0.348	0.317	-	8.9	20	80	-.01
Methyl cyclohexane	0.389	0.339	-	12.9	20	76	0
Trichloroethene	0.271	0.233	-	14	20	72	0
Dibromomethane	0.185	0.167	-	9.7	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/19/22 19:02	
Lab File ID	: V08221119N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1714899-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.235	0.225	-	4.3	20	83	-.01
Bromodichloromethane	0.352	0.313	-	11.1	20	78	-.01
1,4-Dioxane	0.00274	0.00294*	-	-7.3	20	91	-.02
cis-1,3-Dichloropropene	0.414	0.35	-	15.5	20	75	0
Chlorobenzene-d5	1	1	-	0	20	84	0
Toluene-d8	1.209	1.236	-	-2.2	20	85	-.01
Toluene	0.768	0.7	-	8.9	20	79	0
4-Methyl-2-pentanone	0.111	0.092	-	17.1	20	71	-.01
Tetrachloroethene	0.367	0.32	-	12.8	20	75	-.01
trans-1,3-Dichloropropene	0.478	0.408	-	14.6	20	74	-.01
Ethyl methacrylate	0.381	0.297	-	22*	20	68	-.01
1,1,2-Trichloroethane	0.243	0.227	-	6.6	20	79	-.01
Chlorodibromomethane	0.377	0.315	-	16.4	20	74	0
1,3-Dichloropropane	0.492	0.458	-	6.9	20	78	0
1,2-Dibromoethane	0.327	0.28	-	14.4	20	73	0
2-Hexanone	0.219	0.174	-	20.5*	20	70	0
Chlorobenzene	0.946	0.869	-	8.1	20	80	0
Ethylbenzene	1.473	1.334	-	9.4	20	79	0
1,1,1,2-Tetrachloroethane	0.36	0.3	-	16.7	20	74	0
p/m Xylene	0.612	0.544	-	11.1	20	79	0
o Xylene	0.583	0.512	-	12.2	20	79	0
Styrene	0.981	0.845	-	13.9	20	77	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	84	-.01
Bromoform	0.479	0.362	-	24.4*	20	71	0
Isopropylbenzene	2.721	2.433	-	10.6	20	78	0
4-Bromofluorobenzene	0.759	0.719	-	5.3	20	81	0
Bromobenzene	0.783	0.684	-	12.6	20	77	0
n-Propylbenzene	3.135	2.884	-	8	20	81	0
1,4-Dichlorobutane	0.767	0.66	-	14	20	78	0
1,1,2,2-Tetrachloroethane	0.704	0.656	-	6.8	20	80	0
4-Ethyltoluene	2.652	2.361	-	11	20	78	0
2-Chlorotoluene	2.12	1.922	-	9.3	20	79	0
1,3,5-Trimethylbenzene	2.295	1.954	-	14.9	20	76	0
1,2,3-Trichloropropane	0.601	0.52	-	13.5	20	78	0
trans-1,4-Dichloro-2-buten	0.186	0.173	-	7	20	82	0
4-Chlorotoluene	1.898	1.737	-	8.5	20	80	0
tert-Butylbenzene	2.07	1.814	-	12.4	20	78	0
1,2,4-Trimethylbenzene	2.276	1.959	-	13.9	20	77	0
sec-Butylbenzene	2.941	2.698	-	8.3	20	81	0
p-Isopropyltoluene	2.659	2.321	-	12.7	20	78	0
1,3-Dichlorobenzene	1.513	1.331	-	12	20	79	0
1,4-Dichlorobenzene	1.532	1.314	-	14.2	20	76	0
p-Diethylbenzene	1.582	1.37	-	13.4	20	78	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA
Instrument ID	: VOA130	**Calibration Date**	: 11/20/22 08:16
Lab File ID	: V30221120A01	**Init. Calib. Date(s)**	: 10/12/22 10/12/22
Sample No	: WG1714939-2	**Init. Calib. Times**	: 20:17 23:12
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	92	0
Dichlorodifluoromethane	0.203	0.193	-	4.9	20	88	0
Chloromethane	0.241	0.338	-	-40.2*	20	133	0
Vinyl chloride	0.263	0.314	-	-19.4	20	115	0
Bromomethane	0.161	0.108	-	32.9*	20	71	0
Chloroethane	0.207	0.198	-	4.3	20	96	0
Trichlorofluoromethane	0.44	0.381	-	13.4	20	82	0
Ethyl ether	0.114	0.076	-	33.3*	20	65	0
1,1-Dichloroethene	0.256	0.216	-	15.6	20	80	0
Carbon disulfide	0.634	0.424	-	33.1*	20	64	0
Freon-113	0.272	0.228	-	16.2	20	80	0
Methylene chloride	0.225	0.257	-	-14.2	20	113	0
Acetone	10	8.46	-	15.4	20	75	-.01
trans-1,2-Dichloroethene	0.215	0.259	-	-20.5*	20	118	0
Methyl acetate	0.094	0.1	-	-6.4	20	102	0
Methyl tert-butyl ether	0.344	0.287	-	16.6	20	89	0
tert-Butyl alcohol	0.00715	0.00349*	-	51.2*	20	52	0
Diisopropyl ether	0.61	0.711	-	-16.6	20	135	-.01
1,1-Dichloroethane	0.41	0.528	-	-28.8*	20	124	0
Halothane	0.168	0.202	-	-20.2*	20	110	-.01
Acrylonitrile	0.049	0.054	-	-10.2	20	111	0
Ethyl tert-butyl ether	0.507	0.464	-	8.5	20	111	0
Vinyl acetate	0.352	0.329	-	6.5	20	114	0
cis-1,2-Dichloroethene	0.241	0.286	-	-18.7	20	116	0
2,2-Dichloropropane	0.248	0.303	-	-22.2*	20	125	-.01
Bromochloromethane	0.117	0.125	-	-6.8	20	103	0
Cyclohexane	0.42	0.507	-	-20.7*	20	128	0
Chloroform	0.403	0.469	-	-16.4	20	114	0
Ethyl acetate	0.111	0.104	-	6.3	20	105	0
Carbon tetrachloride	0.316	0.347	-	-9.8	20	105	0
Tetrahydrofuran	0.032	0.03	-	6.3	20	80	0
Dibromofluoromethane	0.313	0.299	-	4.5	20	89	0
1,1,1-Trichloroethane	0.331	0.365	-	-10.3	20	110	0
2-Butanone	0.049	0.053	-	-8.2	20	112	0
1,1-Dichloropropene	0.285	0.314	-	-10.2	20	115	0
Benzene	0.795	0.956	-	-20.3*	20	117	0
tert-Amyl methyl ether	10	9.197	-	8	20	104	-.01
1,2-Dichloroethane-d4	0.316	0.283	-	10.4	20	82	0
1,2-Dichloroethane	0.298	0.306	-	-2.7	20	105	0
Methyl cyclohexane	0.376	0.362	-	3.7	20	111	0
Trichloroethene	0.214	0.261	-	-22*	20	117	0
Dibromomethane	0.124	0.124	-	0	20	99	0
1,2-Dichloropropane	0.22	0.264	-	-20	20	120	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		Lab Number	: L2263244	
Project Name	: FORMER BUFFALO CHINA		Project Number	: FORMER BUFFALO CHINA	
Instrument ID	: VOA130		Calibration Date	: 11/20/22 08:16	
Lab File ID	: V30221120A01		Init. Calib. Date(s)	: 10/12/22	10/12/22
Sample No	: WG1714939-2		Init. Calib. Times	: 20:17	23:12
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.31	0.321	-	-3.5	20	103	0
1,4-Dioxane	0.00091	0.00039*	-	57.1*	20	44	0
cis-1,3-Dichloropropene	0.302	0.3	-	0.7	20	110	0
Chlorobenzene-d5	1	1	-	0	20	95	0
Toluene-d8	1.247	1.254	-	-0.6	20	93	0
Toluene	0.664	0.792	-	-19.3	20	123	0
4-Methyl-2-pentanone	0.052	0.047	-	9.6	20	110	0
Tetrachloroethene	0.288	0.325	-	-12.8	20	116	0
trans-1,3-Dichloropropene	10	8.968	-	10.3	20	111	0
Ethyl methacrylate	0.183	0.16	-	12.6	20	97	0
1,1,2-Trichloroethane	0.165	0.159*	-	3.6	20	99	0
Chlorodibromomethane	0.276	0.261	-	5.4	20	98	0
1,3-Dichloropropane	0.349	0.342	-	2	20	103	0
1,2-Dibromoethane	0.193	0.184*	-	4.7	20	101	0
2-Hexanone	0.082	0.077	-	6.1	20	105	0
Chlorobenzene	0.762	0.884	-	-16	20	121	0
Ethylbenzene	1.262	1.483	-	-17.5	20	123	0
1,1,1,2-Tetrachloroethane	0.273	0.28	-	-2.6	20	115	0
p/m Xylene	0.507	0.616	-	-21.5*	20	125	0
o Xylene	0.489	0.573	-	-17.2	20	123	0
Styrene	0.82	0.936	-	-14.1	20	118	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	100	0
Bromoform	0.301	0.238	-	20.9*	20	96	0
Isopropylbenzene	2.359	2.749	-	-16.5	20	125	0
4-Bromofluorobenzene	0.795	0.841	-	-5.8	20	104	0
Bromobenzene	0.591	0.63	-	-6.6	20	115	0
n-Propylbenzene	2.89	3.455	-	-19.6	20	127	0
1,4-Dichlorobutane	0.619	0.606	-	2.1	20	116	0
1,1,2,2-Tetrachloroethane	0.412	0.359	-	12.9	20	97	0
4-Ethyltoluene	2.385	2.899	-	-21.6*	20	131	0
2-Chlorotoluene	1.97	2.379	-	-20.8*	20	131	0
1,3,5-Trimethylbenzene	2.1	2.447	-	-16.5	20	139	0
1,2,3-Trichloropropane	0.32	0.282	-	11.9	20	97	0
trans-1,4-Dichloro-2-buten	0.126	0.114	-	9.5	20	101	0
4-Chlorotoluene	1.726	2.117	-	-22.7*	20	130	0
tert-Butylbenzene	1.92	2.112	-	-10	20	126	0
1,2,4-Trimethylbenzene	2.059	2.388	-	-16	20	139	0
sec-Butylbenzene	10	10.724	-	-7.2	20	125	0
p-Isopropyltoluene	10	10.567	-	-5.7	20	129	0
1,3-Dichlorobenzene	1.22	1.392	-	-14.1	20	123	0
1,4-Dichlorobenzene	1.207	1.382	-	-14.5	20	124	0
p-Diethylbenzene	1.507	1.634	-	-8.4	20	134	0
n-Butylbenzene	10	10.572	-	-5.7	20	130	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group	**Lab Number**	: L2263244		
Project Name	: FORMER BUFFALO CHINA	**Project Number**	: FORMER BUFFALO CHINA		
Instrument ID	: VOA116	**Calibration Date**	: 11/20/22 08:28		
Lab File ID	: V16221120A01	**Init. Calib. Date(s)**	: 11/12/22	11/12/22	
Sample No	: WG1714765-2	**Init. Calib. Times**	: 14:00	17:39	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	74	0
Dichlorodifluoromethane	0.238	0.193	-	18.9	20	55	0
Chloromethane	0.355	0.319	-	10.1	20	64	0
Vinyl chloride	0.33	0.31	-	6.1	20	63	0
Bromomethane	0.209	0.14	-	33*	20	47	0
Chloroethane	0.206	0.207	-	-0.5	20	70	0
Trichlorofluoromethane	0.377	0.37	-	1.9	20	66	0
Ethyl ether	0.109	0.103	-	5.5	20	67	0
1,1-Dichloroethene	0.229	0.21	-	8.3	20	64	0
Carbon disulfide	0.447	0.425	-	4.9	20	67	0
Freon-113	0.257	0.241	-	6.2	20	65	0
Acrolein	0.041	0.035	-	14.6	20	61	0
Methylene chloride	0.265	0.273	-	-3	20	75	0
Acetone	10	8.584	-	14.2	20	63	0
trans-1,2-Dichloroethene	0.255	0.255	-	0	20	70	0
Methyl acetate	0.163	0.161	-	1.2	20	68	0
Methyl tert-butyl ether	0.565	0.512	-	9.4	20	63	0
tert-Butyl alcohol	0.019	0.017	-	10.5	20	62	0
Diisopropyl ether	1.082	1.051	-	2.9	20	67	0
1,1-Dichloroethane	0.552	0.565	-	-2.4	20	71	0
Halothane	0.198	0.189	-	4.5	20	66	0
Acrylonitrile	0.078	0.076	-	2.6	20	67	0
Ethyl tert-butyl ether	0.927	0.847	-	8.6	20	64	0
Vinyl acetate	0.592	0.619	-	-4.6	20	73	0
cis-1,2-Dichloroethene	0.284	0.286	-	-0.7	20	71	0
2,2-Dichloropropane	0.399	0.395	-	1	20	69	0
Bromochloromethane	0.118	0.132	-	-11.9	20	76	0
Cyclohexane	0.623	0.531	-	14.8	20	58	0
Chloroform	0.497	0.518	-	-4.2	20	73	0
Ethyl acetate	0.263	0.224	-	14.8	20	62	0
Carbon tetrachloride	0.383	0.364	-	5	20	66	0
Tetrahydrofuran	0.085	0.066	-	22.4*	20	54	0
Dibromofluoromethane	0.27	0.276	-	-2.2	20	77	0
1,1,1-Trichloroethane	0.412	0.388	-	5.8	20	66	0
2-Butanone	0.109	0.097	-	11	20	66	0
1,1-Dichloropropene	0.375	0.351	-	6.4	20	65	0
Benzene	1.055	1.085	-	-2.8	20	71	0
tert-Amyl methyl ether	0.674	0.588	-	12.8	20	61	0
1,2-Dichloroethane-d4	0.328	0.322	-	1.8	20	74	0
1,2-Dichloroethane	0.386	0.384	-	0.5	20	72	0
Methyl cyclohexane	0.512	0.402	-	21.5*	20	55	0
Trichloroethene	0.289	0.274	-	5.2	20	67	0
Dibromomethane	0.148	0.153	-	-3.4	20	71	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA116		**Calibration Date**	: 11/20/22 08:28	
Lab File ID	: V16221120A01		**Init. Calib. Date(s)**	: 11/12/22	11/12/22
Sample No	: WG1714765-2		**Init. Calib. Times**	: 14:00	17:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.332	0.322	-	3	20	65	0
Bromodichloromethane	0.329	0.339	-	-3	20	74	0
1,4-Dioxane	0.00156	0.00157*	-	-0.6	20	73	0
cis-1,3-Dichloropropene	0.478	0.462	-	3.3	20	69	0
Chlorobenzene-d5	1	1	-	0	20	76	0
Toluene-d8	1.292	1.274	-	1.4	20	75	0
Toluene	0.863	0.835	-	3.2	20	70	0
4-Methyl-2-pentanone	0.109	0.083	-	23.9*	20	57	0
Tetrachloroethene	0.376	0.339	-	9.8	20	65	0
trans-1,3-Dichloropropene	0.509	0.466	-	8.4	20	66	0
Ethyl methacrylate	0.361	0.287	-	20.5*	20	58	0
1,1,2-Trichloroethane	0.228	0.221	-	3.1	20	70	0
Chlorodibromomethane	0.33	0.318	-	3.6	20	69	0
1,3-Dichloropropane	0.485	0.468	-	3.5	20	69	0
1,2-Dibromoethane	0.27	0.253	-	6.3	20	68	0
2-Hexanone	0.21	0.146	-	30.5*	20	52	0
Chlorobenzene	0.936	0.927	-	1	20	72	0
Ethylbenzene	1.672	1.554	-	7.1	20	67	0
1,1,1,2-Tetrachloroethane	0.336	0.329	-	2.1	20	71	0
p/m Xylene	0.632	0.599	-	5.2	20	69	0
o Xylene	0.583	0.552	-	5.3	20	68	0
Styrene	0.962	0.936	-	2.7	20	70	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
Bromoform	0.4	0.339	-	15.3	20	67	0
Isopropylbenzene	3.317	2.841	-	14.4	20	64	0
4-Bromofluorobenzene	0.945	0.874	-	7.5	20	74	0
Bromobenzene	0.723	0.659	-	8.9	20	71	0
n-Propylbenzene	3.755	3.178	-	15.4	20	65	0
1,4-Dichlorobutane	1.044	0.878	-	15.9	20	66	0
1,1,2,2-Tetrachloroethane	0.592	0.549	-	7.3	20	71	0
4-Ethyltoluene	3.014	2.564	-	14.9	20	65	0
2-Chlorotoluene	2.488	2.238	-	10	20	69	0
1,3,5-Trimethylbenzene	2.602	2.221	-	14.6	20	65	0
1,2,3-Trichloropropane	0.494	0.438	-	11.3	20	68	0
trans-1,4-Dichloro-2-buten	0.209	0.19	-	9.1	20	72	0
4-Chlorotoluene	2.215	2.026	-	8.5	20	69	0
tert-Butylbenzene	2.224	1.776	-	20.1*	20	62	0
1,2,4-Trimethylbenzene	2.543	2.198	-	13.6	20	67	0
sec-Butylbenzene	2.391	1.888	-	21*	20	63	0
p-Isopropyltoluene	2.818	2.253	-	20	20	61	0
1,3-Dichlorobenzene	1.402	1.29	-	8	20	71	0
1,4-Dichlorobenzene	1.402	1.284	-	8.4	20	71	0
p-Diethylbenzene	1.68	1.318	-	21.5*	20	61	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/21/22 18:15	
Lab File ID	: V08221121N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1715252-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	81	0
Dichlorodifluoromethane	0.187	0.154	-	17.6	20	66	0
Chloromethane	0.21	0.186	-	11.4	20	72	-.01
Vinyl chloride	0.226	0.228	-	-0.9	20	79	0
Bromomethane	0.22	0.191	-	13.2	20	77	0
Chloroethane	0.231	0.476	-	-106.1*	20	167	0
Trichlorofluoromethane	0.504	0.508	-	-0.8	20	82	0
Ethyl ether	0.164	0.166	-	-1.2	20	84	0
1,1-Dichloroethene	0.298	0.295	-	1	20	82	0
Carbon disulfide	0.517	0.523	-	-1.2	20	84	0
Freon-113	0.306	0.313	-	-2.3	20	84	0
Acrolein	0.038	0.037	-	2.6	20	86	0
Methylene chloride	0.253	0.228	-	9.9	20	76	0
Acetone	0.07	0.066	-	5.7	20	78	0
trans-1,2-Dichloroethene	0.242	0.217	-	10.3	20	74	0
Methyl acetate	0.174	0.146	-	16.1	20	73	-.01
Methyl tert-butyl ether	0.647	0.526	-	18.7	20	67	0
tert-Butyl alcohol	0.03	0.024	-	20	20	71	-.01
Diisopropyl ether	0.675	0.557	-	17.5	20	69	0
1,1-Dichloroethane	0.39	0.37	-	5.1	20	77	-.01
Halothane	0.198	0.182	-	8.1	20	76	-.01
Acrylonitrile	0.077	0.076	-	1.3	20	82	0
Ethyl tert-butyl ether	0.706	0.575	-	18.6	20	68	-.01
Vinyl acetate	0.466	0.445	-	4.5	20	81	-.01
cis-1,2-Dichloroethene	0.279	0.26	-	6.8	20	76	0
2,2-Dichloropropane	0.363	0.323	-	11	20	76	-.01
Bromochloromethane	0.154	0.147	-	4.5	20	77	0
Cyclohexane	0.335	0.293	-	12.5	20	74	0
Chloroform	0.445	0.423	-	4.9	20	79	-.02
Ethyl acetate	0.237	0.198	-	16.5	20	69	-.01
Carbon tetrachloride	0.353	0.313	-	11.3	20	73	-.01
Tetrahydrofuran	0.077	0.056	-	27.3*	20	62	0
Dibromofluoromethane	0.293	0.301	-	-2.7	20	83	-.01
1,1,1-Trichloroethane	0.39	0.347	-	11	20	74	0
2-Butanone	0.116	0.101	-	12.9	20	75	-.02
1,1-Dichloropropene	0.311	0.272	-	12.5	20	73	0
Benzene	0.931	0.861	-	7.5	20	76	-.01
tert-Amyl methyl ether	0.741	0.554	-	25.2*	20	65	0
1,2-Dichloroethane-d4	0.309	0.325	-	-5.2	20	85	-.01
1,2-Dichloroethane	0.348	0.338	-	2.9	20	82	-.01
Methyl cyclohexane	0.389	0.324	-	16.7	20	71	-.01
Trichloroethene	0.271	0.242	-	10.7	20	72	0
Dibromomethane	0.185	0.173	-	6.5	20	77	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: The LiRo Group		**Lab Number**	: L2263244	
Project Name	: FORMER BUFFALO CHINA		**Project Number**	: FORMER BUFFALO CHINA	
Instrument ID	: VOA108		**Calibration Date**	: 11/21/22 18:15	
Lab File ID	: V08221121N01		**Init. Calib. Date(s)**	: 11/10/22	11/10/22
Sample No	: WG1715252-2		**Init. Calib. Times**	: 17:38	20:39
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.235	0.23	-	2.1	20	83	0
2-Chloroethyl vinyl ether	0.158	0.123	-	22.2*	20	66	-.01
Bromodichloromethane	0.352	0.316	-	10.2	20	76	-.01
1,4-Dioxane	0.00274	0.00259*	-	5.5	20	78	-.01
cis-1,3-Dichloropropene	0.414	0.365	-	11.8	20	75	0
Chlorobenzene-d5	1	1	-	0	20	83	0
Toluene-d8	1.209	1.204	-	0.4	20	83	-.01
Toluene	0.768	0.682	-	11.2	20	76	0
4-Methyl-2-pentanone	0.111	0.088	-	20.7*	20	67	-.01
Tetrachloroethene	0.367	0.304	-	17.2	20	71	0
trans-1,3-Dichloropropene	0.478	0.409	-	14.4	20	73	-.01
Ethyl methacrylate	0.381	0.277	-	27.3*	20	63	-.01
1,1,2-Trichloroethane	0.243	0.229	-	5.8	20	79	0
Chlorodibromomethane	0.377	0.316	-	16.2	20	73	0
1,3-Dichloropropane	0.492	0.465	-	5.5	20	79	0
1,2-Dibromoethane	0.327	0.281	-	14.1	20	73	0
2-Hexanone	0.219	0.166	-	24.2*	20	66	0
Chlorobenzene	0.946	0.837	-	11.5	20	77	0
Ethylbenzene	1.473	1.262	-	14.3	20	74	0
1,1,1,2-Tetrachloroethane	0.36	0.3	-	16.7	20	74	0
p/m Xylene	0.612	0.532	-	13.1	20	77	0
o Xylene	0.583	0.503	-	13.7	20	77	0
Styrene	0.981	0.818	-	16.6	20	74	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
Bromoform	0.479	0.36	-	24.8*	20	69	0
Isopropylbenzene	2.721	2.38	-	12.5	20	75	0
4-Bromofluorobenzene	0.759	0.725	-	4.5	20	80	0
Bromobenzene	0.783	0.667	-	14.8	20	73	0
n-Propylbenzene	3.135	2.828	-	9.8	20	77	0
1,4-Dichlorobutane	0.767	0.67	-	12.6	20	78	0
1,1,2,2-Tetrachloroethane	0.704	0.677	-	3.8	20	81	0
4-Ethyltoluene	2.652	2.32	-	12.5	20	75	0
2-Chlorotoluene	2.12	1.916	-	9.6	20	77	0
1,3,5-Trimethylbenzene	2.295	1.971	-	14.1	20	75	0
1,2,3-Trichloropropane	0.601	0.519	-	13.6	20	76	0
trans-1,4-Dichloro-2-buten	0.186	0.167	-	10.2	20	78	0
4-Chlorotoluene	1.898	1.699	-	10.5	20	77	0
tert-Butylbenzene	2.07	1.745	-	15.7	20	73	0
1,2,4-Trimethylbenzene	2.276	1.904	-	16.3	20	73	0
sec-Butylbenzene	2.941	2.615	-	11.1	20	77	0
p-Isopropyltoluene	2.659	2.249	-	15.4	20	74	0
1,3-Dichlorobenzene	1.513	1.311	-	13.4	20	76	0
1,4-Dichlorobenzene	1.532	1.348	-	12	20	76	0

* Value outside of QC limits.

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-8A 11082022	L2263244-01	1,1,1-Trichloroethane (TCA)		U	
MW-08 11082022	L2263244-02	1,1,1-Trichloroethane (TCA)		U	
MW-26 11082022	L2263244-03	1,1,1-Trichloroethane (TCA)		U	
MW-26A 11082022	L2263244-04	1,1,1-Trichloroethane (TCA)		U	UJ
MW-09 11082022	L2263244-05	1,1,1-Trichloroethane (TCA)		U	UJ
MW-09A 11082022	L2263244-06	1,1,1-Trichloroethane (TCA)		U	
MW-25A 11082022	L2263244-07	1,1,1-Trichloroethane (TCA)		U	UJ
MW-10 11082022	L2263244-08	1,1,1-Trichloroethane (TCA)		U	
MW-06 11082022	L2263244-09	1,1,1-Trichloroethane (TCA)		U	
MW-20A 11082022	L2263244-10	1,1,1-Trichloroethane (TCA)		U	
MW-7A 11092022	L2263244-11	1,1,1-Trichloroethane (TCA)		U	
MW-7 11092022	L2263244-12	1,1,1-Trichloroethane (TCA)		U	
MW-19A 11092022	L2263244-13	1,1,1-Trichloroethane (TCA)		U	
MW-19AR 11092022	L2263244-14	1,1,1-Trichloroethane (TCA)		U	
MW-21A 11092022	L2263244-15	1,1,1-Trichloroethane (TCA)		U	R
DUP-01 11092022	L2263244-16	1,1,1-Trichloroethane (TCA)		U	R
MW-5R 11092022	L2263244-17	1,1,1-Trichloroethane (TCA)		U	
MW-5AR 11092022	L2263244-18	1,1,1-Trichloroethane (TCA)		U	
MW-13A 11092022	L2263244-19	1,1,1-Trichloroethane (TCA)		U	
MW-11 11092022	L2263244-20	1,1,1-Trichloroethane (TCA)		U	
MW-15A 11092022	L2263244-21	1,1,1-Trichloroethane (TCA)		U	
TRIP BLANK	L2263244-22	1,1,1-Trichloroethane (TCA)		U	
WG1714394-3	WG1714394-3	1,1,1-Trichloroethane (TCA)	12		
WG1714394-4	WG1714394-4	1,1,1-Trichloroethane (TCA)	10		
WG1714394-5	WG1714394-5	1,1,1-Trichloroethane (TCA)		U	
WG1714765-3	WG1714765-3	1,1,1-Trichloroethane (TCA)	9.4		
WG1714765-4	WG1714765-4	1,1,1-Trichloroethane (TCA)	9		
WG1714765-5	WG1714765-5	1,1,1-Trichloroethane (TCA)		U	
WG1714899-3	WG1714899-3	1,1,1-Trichloroethane (TCA)	8.7		
WG1714899-4	WG1714899-4	1,1,1-Trichloroethane (TCA)	8.9		
WG1714899-5	WG1714899-5	1,1,1-Trichloroethane (TCA)		U	
WG1714899-6	WG1714899-6	1,1,1-Trichloroethane (TCA)	9.1		
WG1714899-7	WG1714899-7	1,1,1-Trichloroethane (TCA)	9.5		
WG1714939-3	WG1714939-3	1,1,1-Trichloroethane (TCA)	11		
WG1714939-4	WG1714939-4	1,1,1-Trichloroethane (TCA)	10		
WG1714939-5	WG1714939-5	1,1,1-Trichloroethane (TCA)		U	
WG1715252-3	WG1715252-3	1,1,1-Trichloroethane (TCA)	8.9		
WG1715252-4	WG1715252-4	1,1,1-Trichloroethane (TCA)	9.5		
WG1715252-5	WG1715252-5	1,1,1-Trichloroethane (TCA)		U	
MW-8A 11082022	L2263244-01	1,1,2,2-Tetrachloroethane		U	
MW-08 11082022	L2263244-02	1,1,2,2-Tetrachloroethane		U	
MW-26 11082022	L2263244-03	1,1,2,2-Tetrachloroethane		U	
MW-26A 11082022	L2263244-04	1,1,2,2-Tetrachloroethane		U	UJ
MW-09 11082022	L2263244-05	1,1,2,2-Tetrachloroethane		U	UJ
MW-09A 11082022	L2263244-06	1,1,2,2-Tetrachloroethane		U	
MW-25A 11082022	L2263244-07	1,1,2,2-Tetrachloroethane		U	UJ
MW-10 11082022	L2263244-08	1,1,2,2-Tetrachloroethane		U	
MW-06 11082022	L2263244-09	1,1,2,2-Tetrachloroethane		U	
MW-20A 11082022	L2263244-10	1,1,2,2-Tetrachloroethane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-7A 11092022	L2263244-11	1,1,2,2-Tetrachloroethane		U	
MW-7 11092022	L2263244-12	1,1,2,2-Tetrachloroethane		U	
MW-19A 11092022	L2263244-13	1,1,2,2-Tetrachloroethane		U	
MW-19AR 11092022	L2263244-14	1,1,2,2-Tetrachloroethane		U	
MW-21A 11092022	L2263244-15	1,1,2,2-Tetrachloroethane		U	R
DUP-01 11092022	L2263244-16	1,1,2,2-Tetrachloroethane		U	R
MW-5R 11092022	L2263244-17	1,1,2,2-Tetrachloroethane		U	
MW-5AR 11092022	L2263244-18	1,1,2,2-Tetrachloroethane	7.1		
MW-13A 11092022	L2263244-19	1,1,2,2-Tetrachloroethane		U	
MW-11 11092022	L2263244-20	1,1,2,2-Tetrachloroethane		U	
MW-15A 11092022	L2263244-21	1,1,2,2-Tetrachloroethane		U	
TRIP BLANK	L2263244-22	1,1,2,2-Tetrachloroethane		U	
WG1714394-3	WG1714394-3	1,1,2,2-Tetrachloroethane	9.4		
WG1714394-4	WG1714394-4	1,1,2,2-Tetrachloroethane	9.7		
WG1714394-5	WG1714394-5	1,1,2,2-Tetrachloroethane		U	
WG1714765-3	WG1714765-3	1,1,2,2-Tetrachloroethane	9.3		
WG1714765-4	WG1714765-4	1,1,2,2-Tetrachloroethane	9.4		
WG1714765-5	WG1714765-5	1,1,2,2-Tetrachloroethane		U	
WG1714899-3	WG1714899-3	1,1,2,2-Tetrachloroethane	9.3		
WG1714899-4	WG1714899-4	1,1,2,2-Tetrachloroethane	9.9		
WG1714899-5	WG1714899-5	1,1,2,2-Tetrachloroethane		U	
WG1714899-6	WG1714899-6	1,1,2,2-Tetrachloroethane	9.5		
WG1714899-7	WG1714899-7	1,1,2,2-Tetrachloroethane	10		
WG1714939-3	WG1714939-3	1,1,2,2-Tetrachloroethane	8.7		
WG1714939-4	WG1714939-4	1,1,2,2-Tetrachloroethane	8.8		
WG1714939-5	WG1714939-5	1,1,2,2-Tetrachloroethane		U	
WG1715252-3	WG1715252-3	1,1,2,2-Tetrachloroethane	9.6		
WG1715252-4	WG1715252-4	1,1,2,2-Tetrachloroethane	10		
WG1715252-5	WG1715252-5	1,1,2,2-Tetrachloroethane		U	
MW-8A 11082022	L2263244-01	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-08 11082022	L2263244-02	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-26 11082022	L2263244-03	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-26A 11082022	L2263244-04	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-09 11082022	L2263244-05	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-09A 11082022	L2263244-06	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-25A 11082022	L2263244-07	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-10 11082022	L2263244-08	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-06 11082022	L2263244-09	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-20A 11082022	L2263244-10	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-7A 11092022	L2263244-11	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-7 11092022	L2263244-12	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-19A 11092022	L2263244-13	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-19AR 11092022	L2263244-14	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-21A 11092022	L2263244-15	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	R
DUP-01 11092022	L2263244-16	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	R
MW-5R 11092022	L2263244-17	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-5AR 11092022	L2263244-18	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-13A 11092022	L2263244-19	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-11 11092022	L2263244-20	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-15A 11092022	L2263244-21	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
TRIP BLANK	L2263244-22	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
WG1714394-3	WG1714394-3	1,1,2-Trichloro-1,2,2-Trifluoroethane	11		
WG1714394-4	WG1714394-4	1,1,2-Trichloro-1,2,2-Trifluoroethane	9.6		
WG1714394-5	WG1714394-5	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
WG1714765-3	WG1714765-3	1,1,2-Trichloro-1,2,2-Trifluoroethane	9.4		
WG1714765-4	WG1714765-4	1,1,2-Trichloro-1,2,2-Trifluoroethane	9		
WG1714765-5	WG1714765-5	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
WG1714899-3	WG1714899-3	1,1,2-Trichloro-1,2,2-Trifluoroethane	11		
WG1714899-4	WG1714899-4	1,1,2-Trichloro-1,2,2-Trifluoroethane	11		
WG1714899-5	WG1714899-5	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
WG1714899-6	WG1714899-6	1,1,2-Trichloro-1,2,2-Trifluoroethane	10		
WG1714899-7	WG1714899-7	1,1,2-Trichloro-1,2,2-Trifluoroethane	11		
WG1714939-3	WG1714939-3	1,1,2-Trichloro-1,2,2-Trifluoroethane	8.4		
WG1714939-4	WG1714939-4	1,1,2-Trichloro-1,2,2-Trifluoroethane	8.1		
WG1714939-5	WG1714939-5	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
WG1715252-3	WG1715252-3	1,1,2-Trichloro-1,2,2-Trifluoroethane	10		
WG1715252-4	WG1715252-4	1,1,2-Trichloro-1,2,2-Trifluoroethane	12		
WG1715252-5	WG1715252-5	1,1,2-Trichloro-1,2,2-Trifluoroethane		U	
MW-8A 11082022	L2263244-01	1,1,2-Trichloroethane		U	UJ
MW-08 11082022	L2263244-02	1,1,2-Trichloroethane		U	UJ
MW-26 11082022	L2263244-03	1,1,2-Trichloroethane		U	UJ
MW-26A 11082022	L2263244-04	1,1,2-Trichloroethane		U	UJ
MW-09 11082022	L2263244-05	1,1,2-Trichloroethane		U	UJ
MW-09A 11082022	L2263244-06	1,1,2-Trichloroethane		U	UJ
MW-25A 11082022	L2263244-07	1,1,2-Trichloroethane		U	UJ
MW-10 11082022	L2263244-08	1,1,2-Trichloroethane		U	UJ
MW-06 11082022	L2263244-09	1,1,2-Trichloroethane		U	UJ
MW-20A 11082022	L2263244-10	1,1,2-Trichloroethane		U	
MW-7A 11092022	L2263244-11	1,1,2-Trichloroethane		U	
MW-7 11092022	L2263244-12	1,1,2-Trichloroethane		U	
MW-19A 11092022	L2263244-13	1,1,2-Trichloroethane		U	
MW-19AR 11092022	L2263244-14	1,1,2-Trichloroethane		U	
MW-21A 11092022	L2263244-15	1,1,2-Trichloroethane		U	R
DUP-01 11092022	L2263244-16	1,1,2-Trichloroethane		U	R
MW-5R 11092022	L2263244-17	1,1,2-Trichloroethane		U	
MW-5AR 11092022	L2263244-18	1,1,2-Trichloroethane		U	
MW-13A 11092022	L2263244-19	1,1,2-Trichloroethane		U	
MW-11 11092022	L2263244-20	1,1,2-Trichloroethane		U	
MW-15A 11092022	L2263244-21	1,1,2-Trichloroethane		U	
TRIP BLANK	L2263244-22	1,1,2-Trichloroethane		U	
WG1714394-3	WG1714394-3	1,1,2-Trichloroethane	10		J
WG1714394-4	WG1714394-4	1,1,2-Trichloroethane	10		J
WG1714394-5	WG1714394-5	1,1,2-Trichloroethane		U	UJ
WG1714765-3	WG1714765-3	1,1,2-Trichloroethane	9.7		
WG1714765-4	WG1714765-4	1,1,2-Trichloroethane	9.7		
WG1714765-5	WG1714765-5	1,1,2-Trichloroethane		U	
WG1714899-3	WG1714899-3	1,1,2-Trichloroethane	9.4		
WG1714899-4	WG1714899-4	1,1,2-Trichloroethane	9.3		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714899-5	WG1714899-5	1,1,2-Trichloroethane		U	
WG1714899-6	WG1714899-6	1,1,2-Trichloroethane	9.7		
WG1714899-7	WG1714899-7	1,1,2-Trichloroethane	10		
WG1714939-3	WG1714939-3	1,1,2-Trichloroethane	9.6		J
WG1714939-4	WG1714939-4	1,1,2-Trichloroethane	9.6		J
WG1714939-5	WG1714939-5	1,1,2-Trichloroethane		U	UJ
WG1715252-3	WG1715252-3	1,1,2-Trichloroethane	9.4		
WG1715252-4	WG1715252-4	1,1,2-Trichloroethane	9.7		
WG1715252-5	WG1715252-5	1,1,2-Trichloroethane		U	
MW-8A 11082022	L2263244-01	1,1-Dichloroethane		U	
MW-08 11082022	L2263244-02	1,1-Dichloroethane		U	
MW-26 11082022	L2263244-03	1,1-Dichloroethane		U	
MW-26A 11082022	L2263244-04	1,1-Dichloroethane		U	
MW-09 11082022	L2263244-05	1,1-Dichloroethane		U	
MW-09A 11082022	L2263244-06	1,1-Dichloroethane		U	UJ
MW-25A 11082022	L2263244-07	1,1-Dichloroethane		U	
MW-10 11082022	L2263244-08	1,1-Dichloroethane		U	
MW-06 11082022	L2263244-09	1,1-Dichloroethane		U	
MW-20A 11082022	L2263244-10	1,1-Dichloroethane		U	
MW-7A 11092022	L2263244-11	1,1-Dichloroethane		U	
MW-7 11092022	L2263244-12	1,1-Dichloroethane		U	
MW-19A 11092022	L2263244-13	1,1-Dichloroethane		U	
MW-19AR 11092022	L2263244-14	1,1-Dichloroethane		U	
MW-21A 11092022	L2263244-15	1,1-Dichloroethane		U	R
DUP-01 11092022	L2263244-16	1,1-Dichloroethane		U	R
MW-5R 11092022	L2263244-17	1,1-Dichloroethane		U	
MW-5AR 11092022	L2263244-18	1,1-Dichloroethane		U	
MW-13A 11092022	L2263244-19	1,1-Dichloroethane		U	
MW-11 11092022	L2263244-20	1,1-Dichloroethane		U	
MW-15A 11092022	L2263244-21	1,1-Dichloroethane		U	
TRIP BLANK	L2263244-22	1,1-Dichloroethane		U	
WG1714394-3	WG1714394-3	1,1-Dichloroethane	11		
WG1714394-4	WG1714394-4	1,1-Dichloroethane	10		
WG1714394-5	WG1714394-5	1,1-Dichloroethane		U	
WG1714765-3	WG1714765-3	1,1-Dichloroethane	10		
WG1714765-4	WG1714765-4	1,1-Dichloroethane	9.7		
WG1714765-5	WG1714765-5	1,1-Dichloroethane		U	
WG1714899-3	WG1714899-3	1,1-Dichloroethane	9.8		
WG1714899-4	WG1714899-4	1,1-Dichloroethane	9.5		
WG1714899-5	WG1714899-5	1,1-Dichloroethane		U	
WG1714899-6	WG1714899-6	1,1-Dichloroethane	9.6		
WG1714899-7	WG1714899-7	1,1-Dichloroethane	10		
WG1714939-3	WG1714939-3	1,1-Dichloroethane	13		J
WG1714939-4	WG1714939-4	1,1-Dichloroethane	12		J
WG1714939-5	WG1714939-5	1,1-Dichloroethane		U	UJ
WG1715252-3	WG1715252-3	1,1-Dichloroethane	9.5		
WG1715252-4	WG1715252-4	1,1-Dichloroethane	10		
WG1715252-5	WG1715252-5	1,1-Dichloroethane		U	
MW-8A 11082022	L2263244-01	1,1-Dichloroethene		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-08 11082022	L2263244-02	1,1-Dichloroethene		U	
MW-26 11082022	L2263244-03	1,1-Dichloroethene		U	
MW-26A 11082022	L2263244-04	1,1-Dichloroethene		U	
MW-09 11082022	L2263244-05	1,1-Dichloroethene		U	
MW-09A 11082022	L2263244-06	1,1-Dichloroethene		U	
MW-25A 11082022	L2263244-07	1,1-Dichloroethene		U	
MW-10 11082022	L2263244-08	1,1-Dichloroethene		U	
MW-06 11082022	L2263244-09	1,1-Dichloroethene	42		
MW-20A 11082022	L2263244-10	1,1-Dichloroethene	2.3	J	
MW-7A 11092022	L2263244-11	1,1-Dichloroethene	0.25	J	
MW-7 11092022	L2263244-12	1,1-Dichloroethene		U	
MW-19A 11092022	L2263244-13	1,1-Dichloroethene		U	
MW-19AR 11092022	L2263244-14	1,1-Dichloroethene	6.8	J	
MW-21A 11092022	L2263244-15	1,1-Dichloroethene	1.5		J
DUP-01 11092022	L2263244-16	1,1-Dichloroethene	0.93	J	J
MW-5R 11092022	L2263244-17	1,1-Dichloroethene		U	
MW-5AR 11092022	L2263244-18	1,1-Dichloroethene	3.4	J	
MW-13A 11092022	L2263244-19	1,1-Dichloroethene	25		
MW-11 11092022	L2263244-20	1,1-Dichloroethene	0.91	J	
MW-15A 11092022	L2263244-21	1,1-Dichloroethene		U	
TRIP BLANK	L2263244-22	1,1-Dichloroethene		U	
WG1714394-3	WG1714394-3	1,1-Dichloroethene	11		
WG1714394-4	WG1714394-4	1,1-Dichloroethene	9.7		
WG1714394-5	WG1714394-5	1,1-Dichloroethene		U	
WG1714765-3	WG1714765-3	1,1-Dichloroethene	9.2		
WG1714765-4	WG1714765-4	1,1-Dichloroethene	8.9		
WG1714765-5	WG1714765-5	1,1-Dichloroethene		U	
WG1714899-3	WG1714899-3	1,1-Dichloroethene	10		
WG1714899-4	WG1714899-4	1,1-Dichloroethene	10		
WG1714899-5	WG1714899-5	1,1-Dichloroethene		U	
WG1714899-6	WG1714899-6	1,1-Dichloroethene	11		
WG1714899-7	WG1714899-7	1,1-Dichloroethene	12		
WG1714939-3	WG1714939-3	1,1-Dichloroethene	8.4		
WG1714939-4	WG1714939-4	1,1-Dichloroethene	8.1		
WG1714939-5	WG1714939-5	1,1-Dichloroethene		U	
WG1715252-3	WG1715252-3	1,1-Dichloroethene	9.9		
WG1715252-4	WG1715252-4	1,1-Dichloroethene	11		
WG1715252-5	WG1715252-5	1,1-Dichloroethene		U	
MW-8A 11082022	L2263244-01	1,2,3-Trichlorobenzene		U	UJ
MW-08 11082022	L2263244-02	1,2,3-Trichlorobenzene		U	UJ
MW-26 11082022	L2263244-03	1,2,3-Trichlorobenzene		U	UJ
MW-26A 11082022	L2263244-04	1,2,3-Trichlorobenzene		U	UJ
MW-09 11082022	L2263244-05	1,2,3-Trichlorobenzene		U	UJ
MW-09A 11082022	L2263244-06	1,2,3-Trichlorobenzene		U	
MW-25A 11082022	L2263244-07	1,2,3-Trichlorobenzene		U	UJ
MW-10 11082022	L2263244-08	1,2,3-Trichlorobenzene		U	UJ
MW-06 11082022	L2263244-09	1,2,3-Trichlorobenzene		U	UJ
MW-20A 11082022	L2263244-10	1,2,3-Trichlorobenzene		U	
MW-7A 11092022	L2263244-11	1,2,3-Trichlorobenzene		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-7 11092022	L2263244-12	1,2,3-Trichlorobenzene		U	
MW-19A 11092022	L2263244-13	1,2,3-Trichlorobenzene		U	
MW-19AR 11092022	L2263244-14	1,2,3-Trichlorobenzene		U	
MW-21A 11092022	L2263244-15	1,2,3-Trichlorobenzene		U	R
DUP-01 11092022	L2263244-16	1,2,3-Trichlorobenzene		U	R
MW-5R 11092022	L2263244-17	1,2,3-Trichlorobenzene		U	
MW-5AR 11092022	L2263244-18	1,2,3-Trichlorobenzene		U	
MW-13A 11092022	L2263244-19	1,2,3-Trichlorobenzene		U	
MW-11 11092022	L2263244-20	1,2,3-Trichlorobenzene		U	
MW-15A 11092022	L2263244-21	1,2,3-Trichlorobenzene		U	
TRIP BLANK	L2263244-22	1,2,3-Trichlorobenzene		U	
WG1714394-3	WG1714394-3	1,2,3-Trichlorobenzene	8.6		J
WG1714394-4	WG1714394-4	1,2,3-Trichlorobenzene	9.7		J
WG1714394-5	WG1714394-5	1,2,3-Trichlorobenzene		U	UJ
WG1714765-3	WG1714765-3	1,2,3-Trichlorobenzene	7.8		
WG1714765-4	WG1714765-4	1,2,3-Trichlorobenzene	7.8		
WG1714765-5	WG1714765-5	1,2,3-Trichlorobenzene		U	
WG1714899-3	WG1714899-3	1,2,3-Trichlorobenzene	8.3		
WG1714899-4	WG1714899-4	1,2,3-Trichlorobenzene	8.6		
WG1714899-5	WG1714899-5	1,2,3-Trichlorobenzene		U	
WG1714899-6	WG1714899-6	1,2,3-Trichlorobenzene	8		
WG1714899-7	WG1714899-7	1,2,3-Trichlorobenzene	9		
WG1714939-3	WG1714939-3	1,2,3-Trichlorobenzene	9.4		
WG1714939-4	WG1714939-4	1,2,3-Trichlorobenzene	9.2		
WG1714939-5	WG1714939-5	1,2,3-Trichlorobenzene		U	
WG1715252-3	WG1715252-3	1,2,3-Trichlorobenzene	8.3		
WG1715252-4	WG1715252-4	1,2,3-Trichlorobenzene	9.2		
WG1715252-5	WG1715252-5	1,2,3-Trichlorobenzene		U	
MW-8A 11082022	L2263244-01	1,2,4-Trichlorobenzene		U	
MW-08 11082022	L2263244-02	1,2,4-Trichlorobenzene		U	
MW-26 11082022	L2263244-03	1,2,4-Trichlorobenzene		U	
MW-26A 11082022	L2263244-04	1,2,4-Trichlorobenzene		U	
MW-09 11082022	L2263244-05	1,2,4-Trichlorobenzene		U	
MW-09A 11082022	L2263244-06	1,2,4-Trichlorobenzene		U	
MW-25A 11082022	L2263244-07	1,2,4-Trichlorobenzene		U	
MW-10 11082022	L2263244-08	1,2,4-Trichlorobenzene		U	
MW-06 11082022	L2263244-09	1,2,4-Trichlorobenzene		U	
MW-20A 11082022	L2263244-10	1,2,4-Trichlorobenzene		U	
MW-7A 11092022	L2263244-11	1,2,4-Trichlorobenzene		U	
MW-7 11092022	L2263244-12	1,2,4-Trichlorobenzene		U	
MW-19A 11092022	L2263244-13	1,2,4-Trichlorobenzene		U	
MW-19AR 11092022	L2263244-14	1,2,4-Trichlorobenzene		U	
MW-21A 11092022	L2263244-15	1,2,4-Trichlorobenzene		U	R
DUP-01 11092022	L2263244-16	1,2,4-Trichlorobenzene		U	R
MW-5R 11092022	L2263244-17	1,2,4-Trichlorobenzene		U	
MW-5AR 11092022	L2263244-18	1,2,4-Trichlorobenzene		U	
MW-13A 11092022	L2263244-19	1,2,4-Trichlorobenzene		U	
MW-11 11092022	L2263244-20	1,2,4-Trichlorobenzene		U	
MW-15A 11092022	L2263244-21	1,2,4-Trichlorobenzene		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
TRIP BLANK	L2263244-22	1,2,4-Trichlorobenzene		U	
WG1714394-3	WG1714394-3	1,2,4-Trichlorobenzene	9.9		
WG1714394-4	WG1714394-4	1,2,4-Trichlorobenzene	10		
WG1714394-5	WG1714394-5	1,2,4-Trichlorobenzene		U	
WG1714765-3	WG1714765-3	1,2,4-Trichlorobenzene	7.9		
WG1714765-4	WG1714765-4	1,2,4-Trichlorobenzene	7.8		
WG1714765-5	WG1714765-5	1,2,4-Trichlorobenzene		U	
WG1714899-3	WG1714899-3	1,2,4-Trichlorobenzene	8.5		
WG1714899-4	WG1714899-4	1,2,4-Trichlorobenzene	8.5		
WG1714899-5	WG1714899-5	1,2,4-Trichlorobenzene		U	
WG1714899-6	WG1714899-6	1,2,4-Trichlorobenzene	8.1		
WG1714899-7	WG1714899-7	1,2,4-Trichlorobenzene	9.1		
WG1714939-3	WG1714939-3	1,2,4-Trichlorobenzene	9.8		
WG1714939-4	WG1714939-4	1,2,4-Trichlorobenzene	9.4		
WG1714939-5	WG1714939-5	1,2,4-Trichlorobenzene		U	
WG1715252-3	WG1715252-3	1,2,4-Trichlorobenzene	8.6		
WG1715252-4	WG1715252-4	1,2,4-Trichlorobenzene	9.1		
WG1715252-5	WG1715252-5	1,2,4-Trichlorobenzene		U	
MW-8A 11082022	L2263244-01	1,2-Dibromo-3-Chloropropane		U	
MW-08 11082022	L2263244-02	1,2-Dibromo-3-Chloropropane		U	
MW-26 11082022	L2263244-03	1,2-Dibromo-3-Chloropropane		U	
MW-26A 11082022	L2263244-04	1,2-Dibromo-3-Chloropropane		U	
MW-09 11082022	L2263244-05	1,2-Dibromo-3-Chloropropane		U	
MW-09A 11082022	L2263244-06	1,2-Dibromo-3-Chloropropane		U	
MW-25A 11082022	L2263244-07	1,2-Dibromo-3-Chloropropane		U	
MW-10 11082022	L2263244-08	1,2-Dibromo-3-Chloropropane		U	
MW-06 11082022	L2263244-09	1,2-Dibromo-3-Chloropropane		U	
MW-20A 11082022	L2263244-10	1,2-Dibromo-3-Chloropropane		U	
MW-7A 11092022	L2263244-11	1,2-Dibromo-3-Chloropropane		U	
MW-7 11092022	L2263244-12	1,2-Dibromo-3-Chloropropane		U	
MW-19A 11092022	L2263244-13	1,2-Dibromo-3-Chloropropane		U	
MW-19AR 11092022	L2263244-14	1,2-Dibromo-3-Chloropropane		U	
MW-21A 11092022	L2263244-15	1,2-Dibromo-3-Chloropropane		U	R
DUP-01 11092022	L2263244-16	1,2-Dibromo-3-Chloropropane		U	R
MW-5R 11092022	L2263244-17	1,2-Dibromo-3-Chloropropane		U	
MW-5AR 11092022	L2263244-18	1,2-Dibromo-3-Chloropropane		U	
MW-13A 11092022	L2263244-19	1,2-Dibromo-3-Chloropropane		U	
MW-11 11092022	L2263244-20	1,2-Dibromo-3-Chloropropane		U	
MW-15A 11092022	L2263244-21	1,2-Dibromo-3-Chloropropane		U	
TRIP BLANK	L2263244-22	1,2-Dibromo-3-Chloropropane		U	
WG1714394-3	WG1714394-3	1,2-Dibromo-3-Chloropropane	7.6		
WG1714394-4	WG1714394-4	1,2-Dibromo-3-Chloropropane	8.6		
WG1714394-5	WG1714394-5	1,2-Dibromo-3-Chloropropane		U	
WG1714765-3	WG1714765-3	1,2-Dibromo-3-Chloropropane	7.8		
WG1714765-4	WG1714765-4	1,2-Dibromo-3-Chloropropane	8		
WG1714765-5	WG1714765-5	1,2-Dibromo-3-Chloropropane		U	
WG1714899-3	WG1714899-3	1,2-Dibromo-3-Chloropropane	7.8		
WG1714899-4	WG1714899-4	1,2-Dibromo-3-Chloropropane	8.5		
WG1714899-5	WG1714899-5	1,2-Dibromo-3-Chloropropane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714899-6	WG1714899-6	1,2-Dibromo-3-Chloropropane	8.2		
WG1714899-7	WG1714899-7	1,2-Dibromo-3-Chloropropane	9.1		
WG1714939-3	WG1714939-3	1,2-Dibromo-3-Chloropropane	8.6		
WG1714939-4	WG1714939-4	1,2-Dibromo-3-Chloropropane	8.7		
WG1714939-5	WG1714939-5	1,2-Dibromo-3-Chloropropane		U	
WG1715252-3	WG1715252-3	1,2-Dibromo-3-Chloropropane	8.4		
WG1715252-4	WG1715252-4	1,2-Dibromo-3-Chloropropane	8.8		
WG1715252-5	WG1715252-5	1,2-Dibromo-3-Chloropropane		U	
MW-8A 11082022	L2263244-01	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-08 11082022	L2263244-02	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-26 11082022	L2263244-03	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-26A 11082022	L2263244-04	1,2-Dibromoethane (Ethylene Dibromide)		U	UJ
MW-09 11082022	L2263244-05	1,2-Dibromoethane (Ethylene Dibromide)		U	UJ
MW-09A 11082022	L2263244-06	1,2-Dibromoethane (Ethylene Dibromide)		U	UJ
MW-25A 11082022	L2263244-07	1,2-Dibromoethane (Ethylene Dibromide)		U	UJ
MW-10 11082022	L2263244-08	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-06 11082022	L2263244-09	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-20A 11082022	L2263244-10	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-7A 11092022	L2263244-11	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-7 11092022	L2263244-12	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-19A 11092022	L2263244-13	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-19AR 11092022	L2263244-14	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-21A 11092022	L2263244-15	1,2-Dibromoethane (Ethylene Dibromide)		U	R
DUP-01 11092022	L2263244-16	1,2-Dibromoethane (Ethylene Dibromide)		U	R
MW-5R 11092022	L2263244-17	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-5AR 11092022	L2263244-18	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-13A 11092022	L2263244-19	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-11 11092022	L2263244-20	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-15A 11092022	L2263244-21	1,2-Dibromoethane (Ethylene Dibromide)		U	
TRIP BLANK	L2263244-22	1,2-Dibromoethane (Ethylene Dibromide)		U	
WG1714394-3	WG1714394-3	1,2-Dibromoethane (Ethylene Dibromide)	9.8		
WG1714394-4	WG1714394-4	1,2-Dibromoethane (Ethylene Dibromide)	10		
WG1714394-5	WG1714394-5	1,2-Dibromoethane (Ethylene Dibromide)		U	
WG1714765-3	WG1714765-3	1,2-Dibromoethane (Ethylene Dibromide)	9.4		
WG1714765-4	WG1714765-4	1,2-Dibromoethane (Ethylene Dibromide)	9.3		
WG1714765-5	WG1714765-5	1,2-Dibromoethane (Ethylene Dibromide)		U	
WG1714899-3	WG1714899-3	1,2-Dibromoethane (Ethylene Dibromide)	8.5		
WG1714899-4	WG1714899-4	1,2-Dibromoethane (Ethylene Dibromide)	9		
WG1714899-5	WG1714899-5	1,2-Dibromoethane (Ethylene Dibromide)		U	
WG1714899-6	WG1714899-6	1,2-Dibromoethane (Ethylene Dibromide)	9.1		
WG1714899-7	WG1714899-7	1,2-Dibromoethane (Ethylene Dibromide)	9.8		
WG1714939-3	WG1714939-3	1,2-Dibromoethane (Ethylene Dibromide)	9.5		J
WG1714939-4	WG1714939-4	1,2-Dibromoethane (Ethylene Dibromide)	9.2		J
WG1714939-5	WG1714939-5	1,2-Dibromoethane (Ethylene Dibromide)		U	UJ
WG1715252-3	WG1715252-3	1,2-Dibromoethane (Ethylene Dibromide)	8.6		
WG1715252-4	WG1715252-4	1,2-Dibromoethane (Ethylene Dibromide)	9.5		
WG1715252-5	WG1715252-5	1,2-Dibromoethane (Ethylene Dibromide)		U	
MW-8A 11082022	L2263244-01	1,2-Dichlorobenzene		U	
MW-08 11082022	L2263244-02	1,2-Dichlorobenzene		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-26 11082022	L2263244-03	1,2-Dichlorobenzene		U	
MW-26A 11082022	L2263244-04	1,2-Dichlorobenzene		U	
MW-09 11082022	L2263244-05	1,2-Dichlorobenzene		U	
MW-09A 11082022	L2263244-06	1,2-Dichlorobenzene		U	
MW-25A 11082022	L2263244-07	1,2-Dichlorobenzene		U	
MW-10 11082022	L2263244-08	1,2-Dichlorobenzene		U	
MW-06 11082022	L2263244-09	1,2-Dichlorobenzene		U	
MW-20A 11082022	L2263244-10	1,2-Dichlorobenzene		U	
MW-7A 11092022	L2263244-11	1,2-Dichlorobenzene		U	
MW-7 11092022	L2263244-12	1,2-Dichlorobenzene		U	
MW-19A 11092022	L2263244-13	1,2-Dichlorobenzene		U	
MW-19AR 11092022	L2263244-14	1,2-Dichlorobenzene		U	
MW-21A 11092022	L2263244-15	1,2-Dichlorobenzene		U	R
DUP-01 11092022	L2263244-16	1,2-Dichlorobenzene		U	R
MW-5R 11092022	L2263244-17	1,2-Dichlorobenzene		U	
MW-5AR 11092022	L2263244-18	1,2-Dichlorobenzene		U	
MW-13A 11092022	L2263244-19	1,2-Dichlorobenzene		U	
MW-11 11092022	L2263244-20	1,2-Dichlorobenzene		U	
MW-15A 11092022	L2263244-21	1,2-Dichlorobenzene		U	
TRIP BLANK	L2263244-22	1,2-Dichlorobenzene		U	
WG1714394-3	WG1714394-3	1,2-Dichlorobenzene	10		
WG1714394-4	WG1714394-4	1,2-Dichlorobenzene	9.7		
WG1714394-5	WG1714394-5	1,2-Dichlorobenzene		U	
WG1714765-3	WG1714765-3	1,2-Dichlorobenzene	9.1		
WG1714765-4	WG1714765-4	1,2-Dichlorobenzene	8.9		
WG1714765-5	WG1714765-5	1,2-Dichlorobenzene		U	
WG1714899-3	WG1714899-3	1,2-Dichlorobenzene	8.6		
WG1714899-4	WG1714899-4	1,2-Dichlorobenzene	8.7		
WG1714899-5	WG1714899-5	1,2-Dichlorobenzene		U	
WG1714899-6	WG1714899-6	1,2-Dichlorobenzene	8.5		
WG1714899-7	WG1714899-7	1,2-Dichlorobenzene	9.1		
WG1714939-3	WG1714939-3	1,2-Dichlorobenzene	11		
WG1714939-4	WG1714939-4	1,2-Dichlorobenzene	11		
WG1714939-5	WG1714939-5	1,2-Dichlorobenzene		U	
WG1715252-3	WG1715252-3	1,2-Dichlorobenzene	8.9		
WG1715252-4	WG1715252-4	1,2-Dichlorobenzene	9.3		
WG1715252-5	WG1715252-5	1,2-Dichlorobenzene		U	
MW-8A 11082022	L2263244-01	1,2-Dichloroethane		U	
MW-08 11082022	L2263244-02	1,2-Dichloroethane		U	
MW-26 11082022	L2263244-03	1,2-Dichloroethane		U	
MW-26A 11082022	L2263244-04	1,2-Dichloroethane		U	
MW-09 11082022	L2263244-05	1,2-Dichloroethane		U	
MW-09A 11082022	L2263244-06	1,2-Dichloroethane		U	
MW-25A 11082022	L2263244-07	1,2-Dichloroethane		U	
MW-10 11082022	L2263244-08	1,2-Dichloroethane		U	
MW-06 11082022	L2263244-09	1,2-Dichloroethane		U	
MW-20A 11082022	L2263244-10	1,2-Dichloroethane		U	
MW-7A 11092022	L2263244-11	1,2-Dichloroethane		U	
MW-7 11092022	L2263244-12	1,2-Dichloroethane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-19A 11092022	L2263244-13	1,2-Dichloroethane		U	
MW-19AR 11092022	L2263244-14	1,2-Dichloroethane		U	
MW-21A 11092022	L2263244-15	1,2-Dichloroethane		U	R
DUP-01 11092022	L2263244-16	1,2-Dichloroethane		U	R
MW-5R 11092022	L2263244-17	1,2-Dichloroethane		U	
MW-5AR 11092022	L2263244-18	1,2-Dichloroethane		U	
MW-13A 11092022	L2263244-19	1,2-Dichloroethane		U	
MW-11 11092022	L2263244-20	1,2-Dichloroethane		U	
MW-15A 11092022	L2263244-21	1,2-Dichloroethane		U	
TRIP BLANK	L2263244-22	1,2-Dichloroethane		U	
WG1714394-3	WG1714394-3	1,2-Dichloroethane	10		
WG1714394-4	WG1714394-4	1,2-Dichloroethane	10		
WG1714394-5	WG1714394-5	1,2-Dichloroethane		U	
WG1714765-3	WG1714765-3	1,2-Dichloroethane	9.9		
WG1714765-4	WG1714765-4	1,2-Dichloroethane	9.7		
WG1714765-5	WG1714765-5	1,2-Dichloroethane		U	
WG1714899-3	WG1714899-3	1,2-Dichloroethane	9.1		
WG1714899-4	WG1714899-4	1,2-Dichloroethane	9		
WG1714899-5	WG1714899-5	1,2-Dichloroethane		U	
WG1714899-6	WG1714899-6	1,2-Dichloroethane	9.3		
WG1714899-7	WG1714899-7	1,2-Dichloroethane	9.6		
WG1714939-3	WG1714939-3	1,2-Dichloroethane	10		
WG1714939-4	WG1714939-4	1,2-Dichloroethane	10		
WG1714939-5	WG1714939-5	1,2-Dichloroethane		U	
WG1715252-3	WG1715252-3	1,2-Dichloroethane	9.7		
WG1715252-4	WG1715252-4	1,2-Dichloroethane	9.7		
WG1715252-5	WG1715252-5	1,2-Dichloroethane		U	
MW-8A 11082022	L2263244-01	1,2-Dichloroethane-D4	107		
MW-08 11082022	L2263244-02	1,2-Dichloroethane-D4	108		
MW-26 11082022	L2263244-03	1,2-Dichloroethane-D4	110		
MW-26A 11082022	L2263244-04	1,2-Dichloroethane-D4	110		
MW-09 11082022	L2263244-05	1,2-Dichloroethane-D4	112		
MW-09A 11082022	L2263244-06	1,2-Dichloroethane-D4	106		
MW-25A 11082022	L2263244-07	1,2-Dichloroethane-D4	111		
MW-10 11082022	L2263244-08	1,2-Dichloroethane-D4	115		
MW-06 11082022	L2263244-09	1,2-Dichloroethane-D4	111		
MW-20A 11082022	L2263244-10	1,2-Dichloroethane-D4	101		
MW-7A 11092022	L2263244-11	1,2-Dichloroethane-D4	112		
MW-7 11092022	L2263244-12	1,2-Dichloroethane-D4	109		
MW-19A 11092022	L2263244-13	1,2-Dichloroethane-D4	110		
MW-19AR 11092022	L2263244-14	1,2-Dichloroethane-D4	111		
MW-21A 11092022	L2263244-15	1,2-Dichloroethane-D4	108		
DUP-01 11092022	L2263244-16	1,2-Dichloroethane-D4	109		
MW-5R 11092022	L2263244-17	1,2-Dichloroethane-D4	109		
MW-5AR 11092022	L2263244-18	1,2-Dichloroethane-D4	106		
MW-13A 11092022	L2263244-19	1,2-Dichloroethane-D4	112		
MW-11 11092022	L2263244-20	1,2-Dichloroethane-D4	109		
MW-15A 11092022	L2263244-21	1,2-Dichloroethane-D4	112		
TRIP BLANK	L2263244-22	1,2-Dichloroethane-D4	109		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714394-3	WG1714394-3	1,2-Dichloroethane-D4	96		
WG1714394-4	WG1714394-4	1,2-Dichloroethane-D4	100		
WG1714394-5	WG1714394-5	1,2-Dichloroethane-D4	101		
WG1714765-3	WG1714765-3	1,2-Dichloroethane-D4	98		
WG1714765-4	WG1714765-4	1,2-Dichloroethane-D4	98		
WG1714765-5	WG1714765-5	1,2-Dichloroethane-D4	102		
WG1714899-3	WG1714899-3	1,2-Dichloroethane-D4	101		
WG1714899-4	WG1714899-4	1,2-Dichloroethane-D4	103		
WG1714899-5	WG1714899-5	1,2-Dichloroethane-D4	107		
WG1714899-6	WG1714899-6	1,2-Dichloroethane-D4	104		
WG1714899-7	WG1714899-7	1,2-Dichloroethane-D4	100		
WG1714939-3	WG1714939-3	1,2-Dichloroethane-D4	89		
WG1714939-4	WG1714939-4	1,2-Dichloroethane-D4	91		
WG1714939-5	WG1714939-5	1,2-Dichloroethane-D4	101		
WG1715252-3	WG1715252-3	1,2-Dichloroethane-D4	105		
WG1715252-4	WG1715252-4	1,2-Dichloroethane-D4	105		
WG1715252-5	WG1715252-5	1,2-Dichloroethane-D4	110		
MW-8A 11082022	L2263244-01	1,2-Dichloropropane		U	
MW-08 11082022	L2263244-02	1,2-Dichloropropane		U	
MW-26 11082022	L2263244-03	1,2-Dichloropropane		U	
MW-26A 11082022	L2263244-04	1,2-Dichloropropane		U	UJ
MW-09 11082022	L2263244-05	1,2-Dichloropropane		U	UJ
MW-09A 11082022	L2263244-06	1,2-Dichloropropane		U	
MW-25A 11082022	L2263244-07	1,2-Dichloropropane		U	UJ
MW-10 11082022	L2263244-08	1,2-Dichloropropane		U	
MW-06 11082022	L2263244-09	1,2-Dichloropropane		U	
MW-20A 11082022	L2263244-10	1,2-Dichloropropane		U	
MW-7A 11092022	L2263244-11	1,2-Dichloropropane		U	
MW-7 11092022	L2263244-12	1,2-Dichloropropane		U	
MW-19A 11092022	L2263244-13	1,2-Dichloropropane		U	
MW-19AR 11092022	L2263244-14	1,2-Dichloropropane		U	
MW-21A 11092022	L2263244-15	1,2-Dichloropropane		U	R
DUP-01 11092022	L2263244-16	1,2-Dichloropropane		U	R
MW-5R 11092022	L2263244-17	1,2-Dichloropropane		U	
MW-5AR 11092022	L2263244-18	1,2-Dichloropropane		U	
MW-13A 11092022	L2263244-19	1,2-Dichloropropane		U	
MW-11 11092022	L2263244-20	1,2-Dichloropropane		U	
MW-15A 11092022	L2263244-21	1,2-Dichloropropane		U	
TRIP BLANK	L2263244-22	1,2-Dichloropropane		U	
WG1714394-3	WG1714394-3	1,2-Dichloropropane	11		
WG1714394-4	WG1714394-4	1,2-Dichloropropane	10		
WG1714394-5	WG1714394-5	1,2-Dichloropropane		U	
WG1714765-3	WG1714765-3	1,2-Dichloropropane	9.7		
WG1714765-4	WG1714765-4	1,2-Dichloropropane	9.4		
WG1714765-5	WG1714765-5	1,2-Dichloropropane		U	
WG1714899-3	WG1714899-3	1,2-Dichloropropane	9.6		
WG1714899-4	WG1714899-4	1,2-Dichloropropane	9.2		
WG1714899-5	WG1714899-5	1,2-Dichloropropane		U	
WG1714899-6	WG1714899-6	1,2-Dichloropropane	9.4		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714899-7	WG1714899-7	1,2-Dichloropropane	10		
WG1714939-3	WG1714939-3	1,2-Dichloropropane	12		
WG1714939-4	WG1714939-4	1,2-Dichloropropane	12		
WG1714939-5	WG1714939-5	1,2-Dichloropropane		U	
WG1715252-3	WG1715252-3	1,2-Dichloropropane	9.8		
WG1715252-4	WG1715252-4	1,2-Dichloropropane	10		
WG1715252-5	WG1715252-5	1,2-Dichloropropane		U	
MW-8A 11082022	L2263244-01	1,3-Dichlorobenzene		U	
MW-08 11082022	L2263244-02	1,3-Dichlorobenzene		U	
MW-26 11082022	L2263244-03	1,3-Dichlorobenzene		U	
MW-26A 11082022	L2263244-04	1,3-Dichlorobenzene		U	
MW-09 11082022	L2263244-05	1,3-Dichlorobenzene		U	
MW-09A 11082022	L2263244-06	1,3-Dichlorobenzene		U	
MW-25A 11082022	L2263244-07	1,3-Dichlorobenzene		U	
MW-10 11082022	L2263244-08	1,3-Dichlorobenzene		U	
MW-06 11082022	L2263244-09	1,3-Dichlorobenzene		U	
MW-20A 11082022	L2263244-10	1,3-Dichlorobenzene		U	
MW-7A 11092022	L2263244-11	1,3-Dichlorobenzene		U	
MW-7 11092022	L2263244-12	1,3-Dichlorobenzene		U	
MW-19A 11092022	L2263244-13	1,3-Dichlorobenzene		U	
MW-19AR 11092022	L2263244-14	1,3-Dichlorobenzene		U	
MW-21A 11092022	L2263244-15	1,3-Dichlorobenzene		U	R
DUP-01 11092022	L2263244-16	1,3-Dichlorobenzene		U	R
MW-5R 11092022	L2263244-17	1,3-Dichlorobenzene		U	
MW-5AR 11092022	L2263244-18	1,3-Dichlorobenzene		U	
MW-13A 11092022	L2263244-19	1,3-Dichlorobenzene		U	
MW-11 11092022	L2263244-20	1,3-Dichlorobenzene		U	
MW-15A 11092022	L2263244-21	1,3-Dichlorobenzene		U	
TRIP BLANK	L2263244-22	1,3-Dichlorobenzene		U	
WG1714394-3	WG1714394-3	1,3-Dichlorobenzene	10		
WG1714394-4	WG1714394-4	1,3-Dichlorobenzene	9.7		
WG1714394-5	WG1714394-5	1,3-Dichlorobenzene		U	
WG1714765-3	WG1714765-3	1,3-Dichlorobenzene	9.2		
WG1714765-4	WG1714765-4	1,3-Dichlorobenzene	8.8		
WG1714765-5	WG1714765-5	1,3-Dichlorobenzene		U	
WG1714899-3	WG1714899-3	1,3-Dichlorobenzene	8.8		
WG1714899-4	WG1714899-4	1,3-Dichlorobenzene	8.8		
WG1714899-5	WG1714899-5	1,3-Dichlorobenzene		U	
WG1714899-6	WG1714899-6	1,3-Dichlorobenzene	8.5		
WG1714899-7	WG1714899-7	1,3-Dichlorobenzene	9.4		
WG1714939-3	WG1714939-3	1,3-Dichlorobenzene	11		
WG1714939-4	WG1714939-4	1,3-Dichlorobenzene	11		
WG1714939-5	WG1714939-5	1,3-Dichlorobenzene		U	
WG1715252-3	WG1715252-3	1,3-Dichlorobenzene	8.7		
WG1715252-4	WG1715252-4	1,3-Dichlorobenzene	9.4		
WG1715252-5	WG1715252-5	1,3-Dichlorobenzene		U	
MW-8A 11082022	L2263244-01	1,4-Dichlorobenzene		U	
MW-08 11082022	L2263244-02	1,4-Dichlorobenzene		U	
MW-26 11082022	L2263244-03	1,4-Dichlorobenzene		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-26A 11082022	L2263244-04	1,4-Dichlorobenzene		U	
MW-09 11082022	L2263244-05	1,4-Dichlorobenzene		U	
MW-09A 11082022	L2263244-06	1,4-Dichlorobenzene		U	
MW-25A 11082022	L2263244-07	1,4-Dichlorobenzene		U	
MW-10 11082022	L2263244-08	1,4-Dichlorobenzene	0.81	J	
MW-06 11082022	L2263244-09	1,4-Dichlorobenzene		U	
MW-20A 11082022	L2263244-10	1,4-Dichlorobenzene		U	
MW-7A 11092022	L2263244-11	1,4-Dichlorobenzene		U	
MW-7 11092022	L2263244-12	1,4-Dichlorobenzene		U	
MW-19A 11092022	L2263244-13	1,4-Dichlorobenzene		U	
MW-19AR 11092022	L2263244-14	1,4-Dichlorobenzene		U	
MW-21A 11092022	L2263244-15	1,4-Dichlorobenzene		U	R
DUP-01 11092022	L2263244-16	1,4-Dichlorobenzene		U	R
MW-5R 11092022	L2263244-17	1,4-Dichlorobenzene		U	
MW-5AR 11092022	L2263244-18	1,4-Dichlorobenzene		U	
MW-13A 11092022	L2263244-19	1,4-Dichlorobenzene		U	
MW-11 11092022	L2263244-20	1,4-Dichlorobenzene		U	
MW-15A 11092022	L2263244-21	1,4-Dichlorobenzene		U	
TRIP BLANK	L2263244-22	1,4-Dichlorobenzene		U	
WG1714394-3	WG1714394-3	1,4-Dichlorobenzene	10		
WG1714394-4	WG1714394-4	1,4-Dichlorobenzene	9.6		
WG1714394-5	WG1714394-5	1,4-Dichlorobenzene		U	
WG1714765-3	WG1714765-3	1,4-Dichlorobenzene	9.2		
WG1714765-4	WG1714765-4	1,4-Dichlorobenzene	9		
WG1714765-5	WG1714765-5	1,4-Dichlorobenzene		U	
WG1714899-3	WG1714899-3	1,4-Dichlorobenzene	8.6		
WG1714899-4	WG1714899-4	1,4-Dichlorobenzene	8.7		
WG1714899-5	WG1714899-5	1,4-Dichlorobenzene		U	
WG1714899-6	WG1714899-6	1,4-Dichlorobenzene	8.7		
WG1714899-7	WG1714899-7	1,4-Dichlorobenzene	9.5		
WG1714939-3	WG1714939-3	1,4-Dichlorobenzene	11		
WG1714939-4	WG1714939-4	1,4-Dichlorobenzene	11		
WG1714939-5	WG1714939-5	1,4-Dichlorobenzene		U	
WG1715252-3	WG1715252-3	1,4-Dichlorobenzene	8.8		
WG1715252-4	WG1715252-4	1,4-Dichlorobenzene	9.3		
WG1715252-5	WG1715252-5	1,4-Dichlorobenzene		U	
MW-8A 11082022	L2263244-01	1,4-Dioxane (P-Dioxane)		U	UJ
MW-08 11082022	L2263244-02	1,4-Dioxane (P-Dioxane)		U	UJ
MW-26 11082022	L2263244-03	1,4-Dioxane (P-Dioxane)		U	UJ
MW-26A 11082022	L2263244-04	1,4-Dioxane (P-Dioxane)		U	UJ
MW-09 11082022	L2263244-05	1,4-Dioxane (P-Dioxane)		U	UJ
MW-09A 11082022	L2263244-06	1,4-Dioxane (P-Dioxane)		U	UJ
MW-25A 11082022	L2263244-07	1,4-Dioxane (P-Dioxane)		U	UJ
MW-10 11082022	L2263244-08	1,4-Dioxane (P-Dioxane)		U	UJ
MW-06 11082022	L2263244-09	1,4-Dioxane (P-Dioxane)		U	UJ
MW-20A 11082022	L2263244-10	1,4-Dioxane (P-Dioxane)		U	UJ
MW-7A 11092022	L2263244-11	1,4-Dioxane (P-Dioxane)		U	UJ
MW-7 11092022	L2263244-12	1,4-Dioxane (P-Dioxane)		U	UJ
MW-19A 11092022	L2263244-13	1,4-Dioxane (P-Dioxane)		U	UJ

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-19AR 11092022	L2263244-14	1,4-Dioxane (P-Dioxane)		U	UJ
MW-21A 11092022	L2263244-15	1,4-Dioxane (P-Dioxane)		U	R
DUP-01 11092022	L2263244-16	1,4-Dioxane (P-Dioxane)		U	R
MW-5R 11092022	L2263244-17	1,4-Dioxane (P-Dioxane)		U	UJ
MW-5AR 11092022	L2263244-18	1,4-Dioxane (P-Dioxane)		U	UJ
MW-13A 11092022	L2263244-19	1,4-Dioxane (P-Dioxane)		U	UJ
MW-11 11092022	L2263244-20	1,4-Dioxane (P-Dioxane)		U	UJ
MW-15A 11092022	L2263244-21	1,4-Dioxane (P-Dioxane)		U	UJ
TRIP BLANK	L2263244-22	1,4-Dioxane (P-Dioxane)		U	UJ
WG1714394-3	WG1714394-3	1,4-Dioxane (P-Dioxane)	320		J
WG1714394-4	WG1714394-4	1,4-Dioxane (P-Dioxane)	280		J
WG1714394-5	WG1714394-5	1,4-Dioxane (P-Dioxane)		U	UJ
WG1714765-3	WG1714765-3	1,4-Dioxane (P-Dioxane)	500		J
WG1714765-4	WG1714765-4	1,4-Dioxane (P-Dioxane)	480		J
WG1714765-5	WG1714765-5	1,4-Dioxane (P-Dioxane)		U	UJ
WG1714899-3	WG1714899-3	1,4-Dioxane (P-Dioxane)	540		J
WG1714899-4	WG1714899-4	1,4-Dioxane (P-Dioxane)	530		J
WG1714899-5	WG1714899-5	1,4-Dioxane (P-Dioxane)		U	UJ
WG1714899-6	WG1714899-6	1,4-Dioxane (P-Dioxane)	550		J
WG1714899-7	WG1714899-7	1,4-Dioxane (P-Dioxane)	550		J
WG1714939-3	WG1714939-3	1,4-Dioxane (P-Dioxane)	210	Q	J
WG1714939-4	WG1714939-4	1,4-Dioxane (P-Dioxane)	370		J
WG1714939-5	WG1714939-5	1,4-Dioxane (P-Dioxane)		U	UJ
WG1715252-3	WG1715252-3	1,4-Dioxane (P-Dioxane)	470		J
WG1715252-4	WG1715252-4	1,4-Dioxane (P-Dioxane)	430		J
WG1715252-5	WG1715252-5	1,4-Dioxane (P-Dioxane)		U	UJ
MW-8A 11082022	L2263244-01	2-Hexanone		U	
MW-08 11082022	L2263244-02	2-Hexanone		U	
MW-26 11082022	L2263244-03	2-Hexanone		U	
MW-26A 11082022	L2263244-04	2-Hexanone		U	UJ
MW-09 11082022	L2263244-05	2-Hexanone		U	UJ
MW-09A 11082022	L2263244-06	2-Hexanone		U	
MW-25A 11082022	L2263244-07	2-Hexanone		U	UJ
MW-10 11082022	L2263244-08	2-Hexanone		U	
MW-06 11082022	L2263244-09	2-Hexanone		U	
MW-20A 11082022	L2263244-10	2-Hexanone		U	
MW-7A 11092022	L2263244-11	2-Hexanone		U	
MW-7 11092022	L2263244-12	2-Hexanone		U	
MW-19A 11092022	L2263244-13	2-Hexanone		U	
MW-19AR 11092022	L2263244-14	2-Hexanone		U	
MW-21A 11092022	L2263244-15	2-Hexanone		U	R
DUP-01 11092022	L2263244-16	2-Hexanone		U	R
MW-5R 11092022	L2263244-17	2-Hexanone		U	
MW-5AR 11092022	L2263244-18	2-Hexanone		U	
MW-13A 11092022	L2263244-19	2-Hexanone		U	
MW-11 11092022	L2263244-20	2-Hexanone		U	
MW-15A 11092022	L2263244-21	2-Hexanone		U	
TRIP BLANK	L2263244-22	2-Hexanone		U	
WG1714394-3	WG1714394-3	2-Hexanone	8		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714394-4	WG1714394-4	2-Hexanone	8.4		
WG1714394-5	WG1714394-5	2-Hexanone		U	
WG1714765-3	WG1714765-3	2-Hexanone	6.9		
WG1714765-4	WG1714765-4	2-Hexanone	7.2		
WG1714765-5	WG1714765-5	2-Hexanone		U	
WG1714899-3	WG1714899-3	2-Hexanone	8		
WG1714899-4	WG1714899-4	2-Hexanone	8		
WG1714899-5	WG1714899-5	2-Hexanone		U	
WG1714899-6	WG1714899-6	2-Hexanone	7.5		
WG1714899-7	WG1714899-7	2-Hexanone	8.5		
WG1714939-3	WG1714939-3	2-Hexanone	9.5		
WG1714939-4	WG1714939-4	2-Hexanone	9.9		
WG1714939-5	WG1714939-5	2-Hexanone		U	
WG1715252-3	WG1715252-3	2-Hexanone	7.6		
WG1715252-4	WG1715252-4	2-Hexanone	7.8		
WG1715252-5	WG1715252-5	2-Hexanone		U	
MW-8A 11082022	L2263244-01	Acetone		U	
MW-08 11082022	L2263244-02	Acetone		U	
MW-26 11082022	L2263244-03	Acetone	3.8	J	
MW-26A 11082022	L2263244-04	Acetone		U	
MW-09 11082022	L2263244-05	Acetone		U	
MW-09A 11082022	L2263244-06	Acetone		U	
MW-25A 11082022	L2263244-07	Acetone		U	
MW-10 11082022	L2263244-08	Acetone		U	
MW-06 11082022	L2263244-09	Acetone		U	
MW-20A 11082022	L2263244-10	Acetone		U	
MW-7A 11092022	L2263244-11	Acetone		U	
MW-7 11092022	L2263244-12	Acetone	2.6	J	
MW-19A 11092022	L2263244-13	Acetone		U	
MW-19AR 11092022	L2263244-14	Acetone		U	
MW-21A 11092022	L2263244-15	Acetone		U	R
DUP-01 11092022	L2263244-16	Acetone		U	R
MW-5R 11092022	L2263244-17	Acetone		U	
MW-5AR 11092022	L2263244-18	Acetone		U	
MW-13A 11092022	L2263244-19	Acetone		U	
MW-11 11092022	L2263244-20	Acetone		U	
MW-15A 11092022	L2263244-21	Acetone		U	
TRIP BLANK	L2263244-22	Acetone		U	
WG1714394-3	WG1714394-3	Acetone	7.1		
WG1714394-4	WG1714394-4	Acetone	6.8		
WG1714394-5	WG1714394-5	Acetone		U	
WG1714765-3	WG1714765-3	Acetone	8.6		
WG1714765-4	WG1714765-4	Acetone	8.2		
WG1714765-5	WG1714765-5	Acetone		U	
WG1714899-3	WG1714899-3	Acetone	8.8		
WG1714899-4	WG1714899-4	Acetone	8.9		
WG1714899-5	WG1714899-5	Acetone		U	
WG1714899-6	WG1714899-6	Acetone	9.9		
WG1714899-7	WG1714899-7	Acetone	11		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714939-3	WG1714939-3	Acetone	8.5		
WG1714939-4	WG1714939-4	Acetone	8.8		
WG1714939-5	WG1714939-5	Acetone		U	
WG1715252-3	WG1715252-3	Acetone	9.5		
WG1715252-4	WG1715252-4	Acetone	9.7		
WG1715252-5	WG1715252-5	Acetone		U	
MW-8A 11082022	L2263244-01	Benzene		U	
MW-08 11082022	L2263244-02	Benzene		U	
MW-26 11082022	L2263244-03	Benzene		U	
MW-26A 11082022	L2263244-04	Benzene		U	UJ
MW-09 11082022	L2263244-05	Benzene		U	UJ
MW-09A 11082022	L2263244-06	Benzene		U	UJ
MW-25A 11082022	L2263244-07	Benzene		U	UJ
MW-10 11082022	L2263244-08	Benzene		U	
MW-06 11082022	L2263244-09	Benzene		U	
MW-20A 11082022	L2263244-10	Benzene		U	
MW-7A 11092022	L2263244-11	Benzene		U	
MW-7 11092022	L2263244-12	Benzene		U	
MW-19A 11092022	L2263244-13	Benzene		U	
MW-19AR 11092022	L2263244-14	Benzene		U	
MW-21A 11092022	L2263244-15	Benzene		U	R
DUP-01 11092022	L2263244-16	Benzene		U	R
MW-5R 11092022	L2263244-17	Benzene		U	
MW-5AR 11092022	L2263244-18	Benzene		U	
MW-13A 11092022	L2263244-19	Benzene		U	
MW-11 11092022	L2263244-20	Benzene		U	
MW-15A 11092022	L2263244-21	Benzene		U	
TRIP BLANK	L2263244-22	Benzene		U	
WG1714394-3	WG1714394-3	Benzene	11		
WG1714394-4	WG1714394-4	Benzene	10		
WG1714394-5	WG1714394-5	Benzene		U	
WG1714765-3	WG1714765-3	Benzene	10		
WG1714765-4	WG1714765-4	Benzene	10		
WG1714765-5	WG1714765-5	Benzene		U	
WG1714899-3	WG1714899-3	Benzene	9.2		
WG1714899-4	WG1714899-4	Benzene	9.4		
WG1714899-5	WG1714899-5	Benzene		U	
WG1714899-6	WG1714899-6	Benzene	9.5		
WG1714899-7	WG1714899-7	Benzene	10		
WG1714939-3	WG1714939-3	Benzene	12		J
WG1714939-4	WG1714939-4	Benzene	11		J
WG1714939-5	WG1714939-5	Benzene		U	UJ
WG1715252-3	WG1715252-3	Benzene	9.2		
WG1715252-4	WG1715252-4	Benzene	9.9		
WG1715252-5	WG1715252-5	Benzene		U	
MW-8A 11082022	L2263244-01	Bromochloromethane		U	
MW-08 11082022	L2263244-02	Bromochloromethane		U	
MW-26 11082022	L2263244-03	Bromochloromethane		U	
MW-26A 11082022	L2263244-04	Bromochloromethane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-09 11082022	L2263244-05	Bromochloromethane		U	
MW-09A 11082022	L2263244-06	Bromochloromethane		U	
MW-25A 11082022	L2263244-07	Bromochloromethane		U	
MW-10 11082022	L2263244-08	Bromochloromethane		U	
MW-06 11082022	L2263244-09	Bromochloromethane		U	
MW-20A 11082022	L2263244-10	Bromochloromethane		U	
MW-7A 11092022	L2263244-11	Bromochloromethane		U	
MW-7 11092022	L2263244-12	Bromochloromethane		U	
MW-19A 11092022	L2263244-13	Bromochloromethane		U	
MW-19AR 11092022	L2263244-14	Bromochloromethane		U	
MW-21A 11092022	L2263244-15	Bromochloromethane		U	R
DUP-01 11092022	L2263244-16	Bromochloromethane		U	R
MW-5R 11092022	L2263244-17	Bromochloromethane		U	
MW-5AR 11092022	L2263244-18	Bromochloromethane		U	
MW-13A 11092022	L2263244-19	Bromochloromethane		U	
MW-11 11092022	L2263244-20	Bromochloromethane		U	
MW-15A 11092022	L2263244-21	Bromochloromethane		U	
TRIP BLANK	L2263244-22	Bromochloromethane		U	
WG1714394-3	WG1714394-3	Bromochloromethane	11		
WG1714394-4	WG1714394-4	Bromochloromethane	10		
WG1714394-5	WG1714394-5	Bromochloromethane		U	
WG1714765-3	WG1714765-3	Bromochloromethane	11		
WG1714765-4	WG1714765-4	Bromochloromethane	11		
WG1714765-5	WG1714765-5	Bromochloromethane		U	
WG1714899-3	WG1714899-3	Bromochloromethane	9.3		
WG1714899-4	WG1714899-4	Bromochloromethane	9.3		
WG1714899-5	WG1714899-5	Bromochloromethane		U	
WG1714899-6	WG1714899-6	Bromochloromethane	8.9		
WG1714899-7	WG1714899-7	Bromochloromethane	9.5		
WG1714939-3	WG1714939-3	Bromochloromethane	11		
WG1714939-4	WG1714939-4	Bromochloromethane	10		
WG1714939-5	WG1714939-5	Bromochloromethane		U	
WG1715252-3	WG1715252-3	Bromochloromethane	9.5		
WG1715252-4	WG1715252-4	Bromochloromethane	9.5		
WG1715252-5	WG1715252-5	Bromochloromethane		U	
MW-8A 11082022	L2263244-01	Bromodichloromethane		U	UJ
MW-08 11082022	L2263244-02	Bromodichloromethane		U	UJ
MW-26 11082022	L2263244-03	Bromodichloromethane		U	UJ
MW-26A 11082022	L2263244-04	Bromodichloromethane		U	UJ
MW-09 11082022	L2263244-05	Bromodichloromethane		U	UJ
MW-09A 11082022	L2263244-06	Bromodichloromethane		U	
MW-25A 11082022	L2263244-07	Bromodichloromethane		U	UJ
MW-10 11082022	L2263244-08	Bromodichloromethane		U	UJ
MW-06 11082022	L2263244-09	Bromodichloromethane		U	UJ
MW-20A 11082022	L2263244-10	Bromodichloromethane		U	
MW-7A 11092022	L2263244-11	Bromodichloromethane		U	
MW-7 11092022	L2263244-12	Bromodichloromethane		U	
MW-19A 11092022	L2263244-13	Bromodichloromethane		U	
MW-19AR 11092022	L2263244-14	Bromodichloromethane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-21A 11092022	L2263244-15	Bromodichloromethane		U	R
DUP-01 11092022	L2263244-16	Bromodichloromethane		U	R
MW-5R 11092022	L2263244-17	Bromodichloromethane		U	
MW-5AR 11092022	L2263244-18	Bromodichloromethane		U	
MW-13A 11092022	L2263244-19	Bromodichloromethane		U	
MW-11 11092022	L2263244-20	Bromodichloromethane		U	
MW-15A 11092022	L2263244-21	Bromodichloromethane		U	
TRIP BLANK	L2263244-22	Bromodichloromethane		U	
WG1714394-3	WG1714394-3	Bromodichloromethane	11		J
WG1714394-4	WG1714394-4	Bromodichloromethane	10		J
WG1714394-5	WG1714394-5	Bromodichloromethane		U	UJ
WG1714765-3	WG1714765-3	Bromodichloromethane	10		
WG1714765-4	WG1714765-4	Bromodichloromethane	10		
WG1714765-5	WG1714765-5	Bromodichloromethane		U	
WG1714899-3	WG1714899-3	Bromodichloromethane	8.9		
WG1714899-4	WG1714899-4	Bromodichloromethane	8.8		
WG1714899-5	WG1714899-5	Bromodichloromethane		U	
WG1714899-6	WG1714899-6	Bromodichloromethane	8.8		
WG1714899-7	WG1714899-7	Bromodichloromethane	9.4		
WG1714939-3	WG1714939-3	Bromodichloromethane	10		
WG1714939-4	WG1714939-4	Bromodichloromethane	10		
WG1714939-5	WG1714939-5	Bromodichloromethane		U	
WG1715252-3	WG1715252-3	Bromodichloromethane	9		
WG1715252-4	WG1715252-4	Bromodichloromethane	9.5		
WG1715252-5	WG1715252-5	Bromodichloromethane		U	
MW-8A 11082022	L2263244-01	Bromoform		U	
MW-08 11082022	L2263244-02	Bromoform		U	
MW-26 11082022	L2263244-03	Bromoform		U	
MW-26A 11082022	L2263244-04	Bromoform		U	
MW-09 11082022	L2263244-05	Bromoform		U	
MW-09A 11082022	L2263244-06	Bromoform		U	
MW-25A 11082022	L2263244-07	Bromoform		U	
MW-10 11082022	L2263244-08	Bromoform		U	
MW-06 11082022	L2263244-09	Bromoform		U	
MW-20A 11082022	L2263244-10	Bromoform		U	
MW-7A 11092022	L2263244-11	Bromoform		U	
MW-7 11092022	L2263244-12	Bromoform		U	
MW-19A 11092022	L2263244-13	Bromoform		U	
MW-19AR 11092022	L2263244-14	Bromoform		U	
MW-21A 11092022	L2263244-15	Bromoform		U	R
DUP-01 11092022	L2263244-16	Bromoform		U	R
MW-5R 11092022	L2263244-17	Bromoform		U	
MW-5AR 11092022	L2263244-18	Bromoform		U	
MW-13A 11092022	L2263244-19	Bromoform		U	
MW-11 11092022	L2263244-20	Bromoform		U	
MW-15A 11092022	L2263244-21	Bromoform		U	
TRIP BLANK	L2263244-22	Bromoform		U	
WG1714394-3	WG1714394-3	Bromoform	9.2		
WG1714394-4	WG1714394-4	Bromoform	9.4		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714394-5	WG1714394-5	Bromoform		U	
WG1714765-3	WG1714765-3	Bromoform	8.5		
WG1714765-4	WG1714765-4	Bromoform	8.4		
WG1714765-5	WG1714765-5	Bromoform		U	
WG1714899-3	WG1714899-3	Bromoform	7.6		
WG1714899-4	WG1714899-4	Bromoform	7.6		
WG1714899-5	WG1714899-5	Bromoform		U	
WG1714899-6	WG1714899-6	Bromoform	7.3		
WG1714899-7	WG1714899-7	Bromoform	8.3		
WG1714939-3	WG1714939-3	Bromoform	7.9		
WG1714939-4	WG1714939-4	Bromoform	7.9		
WG1714939-5	WG1714939-5	Bromoform		U	
WG1715252-3	WG1715252-3	Bromoform	7.5		
WG1715252-4	WG1715252-4	Bromoform	8.1		
WG1715252-5	WG1715252-5	Bromoform		U	
MW-8A 11082022	L2263244-01	Bromomethane		U	UJ
MW-08 11082022	L2263244-02	Bromomethane		U	UJ
MW-26 11082022	L2263244-03	Bromomethane		U	UJ
MW-26A 11082022	L2263244-04	Bromomethane		U	UJ
MW-09 11082022	L2263244-05	Bromomethane		U	UJ
MW-09A 11082022	L2263244-06	Bromomethane		U	UJ
MW-25A 11082022	L2263244-07	Bromomethane		U	UJ
MW-10 11082022	L2263244-08	Bromomethane		U	UJ
MW-06 11082022	L2263244-09	Bromomethane		U	UJ
MW-20A 11082022	L2263244-10	Bromomethane		U	UJ
MW-7A 11092022	L2263244-11	Bromomethane		U	UJ
MW-7 11092022	L2263244-12	Bromomethane		U	UJ
MW-19A 11092022	L2263244-13	Bromomethane		U	UJ
MW-19AR 11092022	L2263244-14	Bromomethane		U	UJ
MW-21A 11092022	L2263244-15	Bromomethane		U	R
DUP-01 11092022	L2263244-16	Bromomethane		U	R
MW-5R 11092022	L2263244-17	Bromomethane		U	UJ
MW-5AR 11092022	L2263244-18	Bromomethane		U	UJ
MW-13A 11092022	L2263244-19	Bromomethane		U	UJ
MW-11 11092022	L2263244-20	Bromomethane		U	UJ
MW-15A 11092022	L2263244-21	Bromomethane		U	UJ
TRIP BLANK	L2263244-22	Bromomethane		U	UJ
WG1714394-3	WG1714394-3	Bromomethane	2.5	Q	
WG1714394-4	WG1714394-4	Bromomethane	2.4	Q	
WG1714394-5	WG1714394-5	Bromomethane		U	
WG1714765-3	WG1714765-3	Bromomethane	6.7		J
WG1714765-4	WG1714765-4	Bromomethane	7		J
WG1714765-5	WG1714765-5	Bromomethane		U	UJ
WG1714899-3	WG1714899-3	Bromomethane	8.9		J
WG1714899-4	WG1714899-4	Bromomethane	9.2		J
WG1714899-5	WG1714899-5	Bromomethane		U	UJ
WG1714899-6	WG1714899-6	Bromomethane	5.6		J
WG1714899-7	WG1714899-7	Bromomethane	7.2		J
WG1714939-3	WG1714939-3	Bromomethane	6.7		J

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714939-4	WG1714939-4	Bromomethane	6.5		J
WG1714939-5	WG1714939-5	Bromomethane		U	UJ
WG1715252-3	WG1715252-3	Bromomethane	8.7		J
WG1715252-4	WG1715252-4	Bromomethane	9.8		J
WG1715252-5	WG1715252-5	Bromomethane		U	UJ
MW-8A 11082022	L2263244-01	Carbon Disulfide		U	
MW-08 11082022	L2263244-02	Carbon Disulfide		U	
MW-26 11082022	L2263244-03	Carbon Disulfide		U	
MW-26A 11082022	L2263244-04	Carbon Disulfide		U	
MW-09 11082022	L2263244-05	Carbon Disulfide		U	
MW-09A 11082022	L2263244-06	Carbon Disulfide		U	UJ
MW-25A 11082022	L2263244-07	Carbon Disulfide		U	
MW-10 11082022	L2263244-08	Carbon Disulfide		U	
MW-06 11082022	L2263244-09	Carbon Disulfide		U	
MW-20A 11082022	L2263244-10	Carbon Disulfide		U	UJ
MW-7A 11092022	L2263244-11	Carbon Disulfide		U	UJ
MW-7 11092022	L2263244-12	Carbon Disulfide		U	UJ
MW-19A 11092022	L2263244-13	Carbon Disulfide		U	UJ
MW-19AR 11092022	L2263244-14	Carbon Disulfide		U	UJ
MW-21A 11092022	L2263244-15	Carbon Disulfide		U	R
DUP-01 11092022	L2263244-16	Carbon Disulfide		U	R
MW-5R 11092022	L2263244-17	Carbon Disulfide		U	UJ
MW-5AR 11092022	L2263244-18	Carbon Disulfide		U	UJ
MW-13A 11092022	L2263244-19	Carbon Disulfide		U	UJ
MW-11 11092022	L2263244-20	Carbon Disulfide		U	UJ
MW-15A 11092022	L2263244-21	Carbon Disulfide		U	UJ
TRIP BLANK	L2263244-22	Carbon Disulfide		U	UJ
WG1714394-3	WG1714394-3	Carbon Disulfide	8.4		
WG1714394-4	WG1714394-4	Carbon Disulfide	7		
WG1714394-5	WG1714394-5	Carbon Disulfide		U	
WG1714765-3	WG1714765-3	Carbon Disulfide	9.5		J
WG1714765-4	WG1714765-4	Carbon Disulfide	9		J
WG1714765-5	WG1714765-5	Carbon Disulfide		U	UJ
WG1714899-3	WG1714899-3	Carbon Disulfide	10		J
WG1714899-4	WG1714899-4	Carbon Disulfide	10		J
WG1714899-5	WG1714899-5	Carbon Disulfide		U	UJ
WG1714899-6	WG1714899-6	Carbon Disulfide	11		J
WG1714899-7	WG1714899-7	Carbon Disulfide	12		J
WG1714939-3	WG1714939-3	Carbon Disulfide	6.7		J
WG1714939-4	WG1714939-4	Carbon Disulfide	6.1		J
WG1714939-5	WG1714939-5	Carbon Disulfide		U	UJ
WG1715252-3	WG1715252-3	Carbon Disulfide	10		J
WG1715252-4	WG1715252-4	Carbon Disulfide	11		J
WG1715252-5	WG1715252-5	Carbon Disulfide		U	UJ
MW-8A 11082022	L2263244-01	Carbon Tetrachloride		U	
MW-08 11082022	L2263244-02	Carbon Tetrachloride		U	
MW-26 11082022	L2263244-03	Carbon Tetrachloride		U	
MW-26A 11082022	L2263244-04	Carbon Tetrachloride		U	UJ
MW-09 11082022	L2263244-05	Carbon Tetrachloride		U	UJ

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-09A 11082022	L2263244-06	Carbon Tetrachloride		U	
MW-25A 11082022	L2263244-07	Carbon Tetrachloride		U	UJ
MW-10 11082022	L2263244-08	Carbon Tetrachloride		U	
MW-06 11082022	L2263244-09	Carbon Tetrachloride		U	
MW-20A 11082022	L2263244-10	Carbon Tetrachloride		U	
MW-7A 11092022	L2263244-11	Carbon Tetrachloride		U	
MW-7 11092022	L2263244-12	Carbon Tetrachloride		U	
MW-19A 11092022	L2263244-13	Carbon Tetrachloride		U	
MW-19AR 11092022	L2263244-14	Carbon Tetrachloride		U	
MW-21A 11092022	L2263244-15	Carbon Tetrachloride		U	R
DUP-01 11092022	L2263244-16	Carbon Tetrachloride		U	R
MW-5R 11092022	L2263244-17	Carbon Tetrachloride		U	
MW-5AR 11092022	L2263244-18	Carbon Tetrachloride		U	
MW-13A 11092022	L2263244-19	Carbon Tetrachloride		U	
MW-11 11092022	L2263244-20	Carbon Tetrachloride		U	
MW-15A 11092022	L2263244-21	Carbon Tetrachloride		U	
TRIP BLANK	L2263244-22	Carbon Tetrachloride		U	
WG1714394-3	WG1714394-3	Carbon Tetrachloride	11		
WG1714394-4	WG1714394-4	Carbon Tetrachloride	10		
WG1714394-5	WG1714394-5	Carbon Tetrachloride		U	
WG1714765-3	WG1714765-3	Carbon Tetrachloride	9.5		
WG1714765-4	WG1714765-4	Carbon Tetrachloride	9.1		
WG1714765-5	WG1714765-5	Carbon Tetrachloride		U	
WG1714899-3	WG1714899-3	Carbon Tetrachloride	8.7		
WG1714899-4	WG1714899-4	Carbon Tetrachloride	8.8		
WG1714899-5	WG1714899-5	Carbon Tetrachloride		U	
WG1714899-6	WG1714899-6	Carbon Tetrachloride	9		
WG1714899-7	WG1714899-7	Carbon Tetrachloride	9.3		
WG1714939-3	WG1714939-3	Carbon Tetrachloride	11		
WG1714939-4	WG1714939-4	Carbon Tetrachloride	10		
WG1714939-5	WG1714939-5	Carbon Tetrachloride		U	
WG1715252-3	WG1715252-3	Carbon Tetrachloride	8.8		
WG1715252-4	WG1715252-4	Carbon Tetrachloride	9.7		
WG1715252-5	WG1715252-5	Carbon Tetrachloride		U	
MW-8A 11082022	L2263244-01	Chlorobenzene		U	
MW-08 11082022	L2263244-02	Chlorobenzene		U	
MW-26 11082022	L2263244-03	Chlorobenzene		U	
MW-26A 11082022	L2263244-04	Chlorobenzene		U	UJ
MW-09 11082022	L2263244-05	Chlorobenzene		U	UJ
MW-09A 11082022	L2263244-06	Chlorobenzene		U	
MW-25A 11082022	L2263244-07	Chlorobenzene		U	UJ
MW-10 11082022	L2263244-08	Chlorobenzene		U	
MW-06 11082022	L2263244-09	Chlorobenzene		U	
MW-20A 11082022	L2263244-10	Chlorobenzene		U	
MW-7A 11092022	L2263244-11	Chlorobenzene		U	
MW-7 11092022	L2263244-12	Chlorobenzene		U	
MW-19A 11092022	L2263244-13	Chlorobenzene		U	
MW-19AR 11092022	L2263244-14	Chlorobenzene		U	
MW-21A 11092022	L2263244-15	Chlorobenzene		U	R

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
DUP-01 11092022	L2263244-16	Chlorobenzene		U	R
MW-5R 11092022	L2263244-17	Chlorobenzene		U	
MW-5AR 11092022	L2263244-18	Chlorobenzene		U	
MW-13A 11092022	L2263244-19	Chlorobenzene		U	
MW-11 11092022	L2263244-20	Chlorobenzene		U	
MW-15A 11092022	L2263244-21	Chlorobenzene		U	
TRIP BLANK	L2263244-22	Chlorobenzene		U	
WG1714394-3	WG1714394-3	Chlorobenzene	11		
WG1714394-4	WG1714394-4	Chlorobenzene	10		
WG1714394-5	WG1714394-5	Chlorobenzene		U	
WG1714765-3	WG1714765-3	Chlorobenzene	9.9		
WG1714765-4	WG1714765-4	Chlorobenzene	9.7		
WG1714765-5	WG1714765-5	Chlorobenzene		U	
WG1714899-3	WG1714899-3	Chlorobenzene	9.2		
WG1714899-4	WG1714899-4	Chlorobenzene	9		
WG1714899-5	WG1714899-5	Chlorobenzene		U	
WG1714899-6	WG1714899-6	Chlorobenzene	9		
WG1714899-7	WG1714899-7	Chlorobenzene	9.7		
WG1714939-3	WG1714939-3	Chlorobenzene	12		
WG1714939-4	WG1714939-4	Chlorobenzene	11		
WG1714939-5	WG1714939-5	Chlorobenzene		U	
WG1715252-3	WG1715252-3	Chlorobenzene	8.8		
WG1715252-4	WG1715252-4	Chlorobenzene	9.8		
WG1715252-5	WG1715252-5	Chlorobenzene		U	
MW-8A 11082022	L2263244-01	Chloroethane		U	
MW-08 11082022	L2263244-02	Chloroethane		U	
MW-26 11082022	L2263244-03	Chloroethane		U	
MW-26A 11082022	L2263244-04	Chloroethane		U	
MW-09 11082022	L2263244-05	Chloroethane		U	
MW-09A 11082022	L2263244-06	Chloroethane		U	
MW-25A 11082022	L2263244-07	Chloroethane		U	
MW-10 11082022	L2263244-08	Chloroethane		U	
MW-06 11082022	L2263244-09	Chloroethane		U	
MW-20A 11082022	L2263244-10	Chloroethane		U	
MW-7A 11092022	L2263244-11	Chloroethane		U	UJ
MW-7 11092022	L2263244-12	Chloroethane		U	UJ
MW-19A 11092022	L2263244-13	Chloroethane		U	UJ
MW-19AR 11092022	L2263244-14	Chloroethane		U	UJ
MW-21A 11092022	L2263244-15	Chloroethane		U	R
DUP-01 11092022	L2263244-16	Chloroethane		U	R
MW-5R 11092022	L2263244-17	Chloroethane		U	UJ
MW-5AR 11092022	L2263244-18	Chloroethane	12	J	JH
MW-13A 11092022	L2263244-19	Chloroethane		U	UJ
MW-11 11092022	L2263244-20	Chloroethane		U	UJ
MW-15A 11092022	L2263244-21	Chloroethane		U	UJ
TRIP BLANK	L2263244-22	Chloroethane		U	UJ
WG1714394-3	WG1714394-3	Chloroethane	11		
WG1714394-4	WG1714394-4	Chloroethane	9.6		
WG1714394-5	WG1714394-5	Chloroethane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714765-3	WG1714765-3	Chloroethane	10		
WG1714765-4	WG1714765-4	Chloroethane	9.8		
WG1714765-5	WG1714765-5	Chloroethane		U	
WG1714899-3	WG1714899-3	Chloroethane	20	Q	J
WG1714899-4	WG1714899-4	Chloroethane	21	Q	J
WG1714899-5	WG1714899-5	Chloroethane		U	UJ
WG1714899-6	WG1714899-6	Chloroethane	23	Q	J
WG1714899-7	WG1714899-7	Chloroethane	22	Q	J
WG1714939-3	WG1714939-3	Chloroethane	9.6		
WG1714939-4	WG1714939-4	Chloroethane	8.9		
WG1714939-5	WG1714939-5	Chloroethane		U	
WG1715252-3	WG1715252-3	Chloroethane	21	Q	
WG1715252-4	WG1715252-4	Chloroethane	21	Q	
WG1715252-5	WG1715252-5	Chloroethane		U	
MW-8A 11082022	L2263244-01	Chloroform		U	
MW-08 11082022	L2263244-02	Chloroform		U	
MW-26 11082022	L2263244-03	Chloroform		U	
MW-26A 11082022	L2263244-04	Chloroform		U	
MW-09 11082022	L2263244-05	Chloroform		U	
MW-09A 11082022	L2263244-06	Chloroform		U	
MW-25A 11082022	L2263244-07	Chloroform		U	
MW-10 11082022	L2263244-08	Chloroform		U	
MW-06 11082022	L2263244-09	Chloroform		U	
MW-20A 11082022	L2263244-10	Chloroform		U	
MW-7A 11092022	L2263244-11	Chloroform		U	
MW-7 11092022	L2263244-12	Chloroform		U	
MW-19A 11092022	L2263244-13	Chloroform		U	
MW-19AR 11092022	L2263244-14	Chloroform		U	
MW-21A 11092022	L2263244-15	Chloroform		U	R
DUP-01 11092022	L2263244-16	Chloroform		U	R
MW-5R 11092022	L2263244-17	Chloroform		U	
MW-5AR 11092022	L2263244-18	Chloroform		U	
MW-13A 11092022	L2263244-19	Chloroform		U	
MW-11 11092022	L2263244-20	Chloroform		U	
MW-15A 11092022	L2263244-21	Chloroform		U	
TRIP BLANK	L2263244-22	Chloroform		U	
WG1714394-3	WG1714394-3	Chloroform	12		
WG1714394-4	WG1714394-4	Chloroform	11		
WG1714394-5	WG1714394-5	Chloroform		U	
WG1714765-3	WG1714765-3	Chloroform	10		
WG1714765-4	WG1714765-4	Chloroform	9.9		
WG1714765-5	WG1714765-5	Chloroform		U	
WG1714899-3	WG1714899-3	Chloroform	9.1		
WG1714899-4	WG1714899-4	Chloroform	9		
WG1714899-5	WG1714899-5	Chloroform		U	
WG1714899-6	WG1714899-6	Chloroform	9.4		
WG1714899-7	WG1714899-7	Chloroform	9.9		
WG1714939-3	WG1714939-3	Chloroform	12		
WG1714939-4	WG1714939-4	Chloroform	11		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714939-5	WG1714939-5	Chloroform		U	
WG1715252-3	WG1715252-3	Chloroform	9.5		
WG1715252-4	WG1715252-4	Chloroform	9.9		
WG1715252-5	WG1715252-5	Chloroform		U	
MW-8A 11082022	L2263244-01	Chloromethane		U	UJ
MW-08 11082022	L2263244-02	Chloromethane		U	UJ
MW-26 11082022	L2263244-03	Chloromethane		U	UJ
MW-26A 11082022	L2263244-04	Chloromethane		U	UJ
MW-09 11082022	L2263244-05	Chloromethane		U	UJ
MW-09A 11082022	L2263244-06	Chloromethane		U	UJ
MW-25A 11082022	L2263244-07	Chloromethane		U	UJ
MW-10 11082022	L2263244-08	Chloromethane		U	UJ
MW-06 11082022	L2263244-09	Chloromethane		U	UJ
MW-20A 11082022	L2263244-10	Chloromethane		U	
MW-7A 11092022	L2263244-11	Chloromethane		U	
MW-7 11092022	L2263244-12	Chloromethane		U	
MW-19A 11092022	L2263244-13	Chloromethane		U	
MW-19AR 11092022	L2263244-14	Chloromethane		U	
MW-21A 11092022	L2263244-15	Chloromethane		U	R
DUP-01 11092022	L2263244-16	Chloromethane		U	R
MW-5R 11092022	L2263244-17	Chloromethane		U	
MW-5AR 11092022	L2263244-18	Chloromethane		U	UJ
MW-13A 11092022	L2263244-19	Chloromethane		U	
MW-11 11092022	L2263244-20	Chloromethane		U	
MW-15A 11092022	L2263244-21	Chloromethane		U	
TRIP BLANK	L2263244-22	Chloromethane		U	
WG1714394-3	WG1714394-3	Chloromethane	6.8		J
WG1714394-4	WG1714394-4	Chloromethane	5.8	Q	J
WG1714394-5	WG1714394-5	Chloromethane		U	UJ
WG1714765-3	WG1714765-3	Chloromethane	9		
WG1714765-4	WG1714765-4	Chloromethane	8.4		
WG1714765-5	WG1714765-5	Chloromethane		U	
WG1714899-3	WG1714899-3	Chloromethane	8.9		
WG1714899-4	WG1714899-4	Chloromethane	8.8		
WG1714899-5	WG1714899-5	Chloromethane		U	
WG1714899-6	WG1714899-6	Chloromethane	8.9		
WG1714899-7	WG1714899-7	Chloromethane	9.4		
WG1714939-3	WG1714939-3	Chloromethane	14	Q	J
WG1714939-4	WG1714939-4	Chloromethane	13		J
WG1714939-5	WG1714939-5	Chloromethane		U	UJ
WG1715252-3	WG1715252-3	Chloromethane	8.9		J
WG1715252-4	WG1715252-4	Chloromethane	9.7		J
WG1715252-5	WG1715252-5	Chloromethane		U	UJ
MW-8A 11082022	L2263244-01	Cis-1,2-Dichloroethylene		U	
MW-08 11082022	L2263244-02	Cis-1,2-Dichloroethylene		U	
MW-26 11082022	L2263244-03	Cis-1,2-Dichloroethylene		U	
MW-26A 11082022	L2263244-04	Cis-1,2-Dichloroethylene		U	
MW-09 11082022	L2263244-05	Cis-1,2-Dichloroethylene		U	
MW-09A 11082022	L2263244-06	Cis-1,2-Dichloroethylene		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-25A 11082022	L2263244-07	Cis-1,2-Dichloroethylene		U	
MW-10 11082022	L2263244-08	Cis-1,2-Dichloroethylene		U	
MW-06 11082022	L2263244-09	Cis-1,2-Dichloroethylene	5200		
MW-20A 11082022	L2263244-10	Cis-1,2-Dichloroethylene	1300		
MW-7A 11092022	L2263244-11	Cis-1,2-Dichloroethylene	120		
MW-7 11092022	L2263244-12	Cis-1,2-Dichloroethylene		U	
MW-19A 11092022	L2263244-13	Cis-1,2-Dichloroethylene	59		J
MW-19AR 11092022	L2263244-14	Cis-1,2-Dichloroethylene	2600		
MW-21A 11092022	L2263244-15	Cis-1,2-Dichloroethylene	250		J
DUP-01 11092022	L2263244-16	Cis-1,2-Dichloroethylene	220		J
MW-5R 11092022	L2263244-17	Cis-1,2-Dichloroethylene	420		
MW-5AR 11092022	L2263244-18	Cis-1,2-Dichloroethylene	790		
MW-13A 11092022	L2263244-19	Cis-1,2-Dichloroethylene	5600		
MW-11 11092022	L2263244-20	Cis-1,2-Dichloroethylene	330		
MW-15A 11092022	L2263244-21	Cis-1,2-Dichloroethylene	0.85	J	
TRIP BLANK	L2263244-22	Cis-1,2-Dichloroethylene		U	
WG1714394-3	WG1714394-3	Cis-1,2-Dichloroethylene	11		
WG1714394-4	WG1714394-4	Cis-1,2-Dichloroethylene	10		
WG1714394-5	WG1714394-5	Cis-1,2-Dichloroethylene		U	
WG1714765-3	WG1714765-3	Cis-1,2-Dichloroethylene	10		
WG1714765-4	WG1714765-4	Cis-1,2-Dichloroethylene	9.8		
WG1714765-5	WG1714765-5	Cis-1,2-Dichloroethylene		U	
WG1714899-3	WG1714899-3	Cis-1,2-Dichloroethylene	9.1		
WG1714899-4	WG1714899-4	Cis-1,2-Dichloroethylene	9.2		
WG1714899-5	WG1714899-5	Cis-1,2-Dichloroethylene		U	
WG1714899-6	WG1714899-6	Cis-1,2-Dichloroethylene	62	Q	
WG1714899-7	WG1714899-7	Cis-1,2-Dichloroethylene	62	Q	
WG1714939-3	WG1714939-3	Cis-1,2-Dichloroethylene	12		
WG1714939-4	WG1714939-4	Cis-1,2-Dichloroethylene	11		
WG1714939-5	WG1714939-5	Cis-1,2-Dichloroethylene		U	
WG1715252-3	WG1715252-3	Cis-1,2-Dichloroethylene	9.3		
WG1715252-4	WG1715252-4	Cis-1,2-Dichloroethylene	9.6		
WG1715252-5	WG1715252-5	Cis-1,2-Dichloroethylene		U	
MW-8A 11082022	L2263244-01	Cis-1,3-Dichloropropene		U	
MW-08 11082022	L2263244-02	Cis-1,3-Dichloropropene		U	
MW-26 11082022	L2263244-03	Cis-1,3-Dichloropropene		U	
MW-26A 11082022	L2263244-04	Cis-1,3-Dichloropropene		U	UJ
MW-09 11082022	L2263244-05	Cis-1,3-Dichloropropene		U	UJ
MW-09A 11082022	L2263244-06	Cis-1,3-Dichloropropene		U	UJ
MW-25A 11082022	L2263244-07	Cis-1,3-Dichloropropene		U	UJ
MW-10 11082022	L2263244-08	Cis-1,3-Dichloropropene		U	
MW-06 11082022	L2263244-09	Cis-1,3-Dichloropropene		U	
MW-20A 11082022	L2263244-10	Cis-1,3-Dichloropropene		U	
MW-7A 11092022	L2263244-11	Cis-1,3-Dichloropropene		U	
MW-7 11092022	L2263244-12	Cis-1,3-Dichloropropene		U	
MW-19A 11092022	L2263244-13	Cis-1,3-Dichloropropene		U	
MW-19AR 11092022	L2263244-14	Cis-1,3-Dichloropropene		U	
MW-21A 11092022	L2263244-15	Cis-1,3-Dichloropropene		U	R
DUP-01 11092022	L2263244-16	Cis-1,3-Dichloropropene		U	R

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-5R 11092022	L2263244-17	Cis-1,3-Dichloropropene		U	
MW-5AR 11092022	L2263244-18	Cis-1,3-Dichloropropene		U	
MW-13A 11092022	L2263244-19	Cis-1,3-Dichloropropene		U	
MW-11 11092022	L2263244-20	Cis-1,3-Dichloropropene		U	
MW-15A 11092022	L2263244-21	Cis-1,3-Dichloropropene		U	
TRIP BLANK	L2263244-22	Cis-1,3-Dichloropropene		U	
WG1714394-3	WG1714394-3	Cis-1,3-Dichloropropene	11		
WG1714394-4	WG1714394-4	Cis-1,3-Dichloropropene	10		
WG1714394-5	WG1714394-5	Cis-1,3-Dichloropropene		U	
WG1714765-3	WG1714765-3	Cis-1,3-Dichloropropene	9.6		
WG1714765-4	WG1714765-4	Cis-1,3-Dichloropropene	9.5		
WG1714765-5	WG1714765-5	Cis-1,3-Dichloropropene		U	
WG1714899-3	WG1714899-3	Cis-1,3-Dichloropropene	8.4		
WG1714899-4	WG1714899-4	Cis-1,3-Dichloropropene	8.6		
WG1714899-5	WG1714899-5	Cis-1,3-Dichloropropene		U	
WG1714899-6	WG1714899-6	Cis-1,3-Dichloropropene	8		
WG1714899-7	WG1714899-7	Cis-1,3-Dichloropropene	8.5		
WG1714939-3	WG1714939-3	Cis-1,3-Dichloropropene	9.9		J
WG1714939-4	WG1714939-4	Cis-1,3-Dichloropropene	9.6		J
WG1714939-5	WG1714939-5	Cis-1,3-Dichloropropene		U	UJ
WG1715252-3	WG1715252-3	Cis-1,3-Dichloropropene	8.8		
WG1715252-4	WG1715252-4	Cis-1,3-Dichloropropene	8.8		
WG1715252-5	WG1715252-5	Cis-1,3-Dichloropropene		U	
MW-8A 11082022	L2263244-01	Cyclohexane		U	
MW-08 11082022	L2263244-02	Cyclohexane		U	
MW-26 11082022	L2263244-03	Cyclohexane		U	
MW-26A 11082022	L2263244-04	Cyclohexane		U	UJ
MW-09 11082022	L2263244-05	Cyclohexane		U	UJ
MW-09A 11082022	L2263244-06	Cyclohexane		U	
MW-25A 11082022	L2263244-07	Cyclohexane		U	UJ
MW-10 11082022	L2263244-08	Cyclohexane		U	
MW-06 11082022	L2263244-09	Cyclohexane		U	
MW-20A 11082022	L2263244-10	Cyclohexane		U	
MW-7A 11092022	L2263244-11	Cyclohexane	0.59	J	
MW-7 11092022	L2263244-12	Cyclohexane		U	
MW-19A 11092022	L2263244-13	Cyclohexane		U	
MW-19AR 11092022	L2263244-14	Cyclohexane		U	
MW-21A 11092022	L2263244-15	Cyclohexane		U	R
DUP-01 11092022	L2263244-16	Cyclohexane		U	R
MW-5R 11092022	L2263244-17	Cyclohexane		U	
MW-5AR 11092022	L2263244-18	Cyclohexane		U	
MW-13A 11092022	L2263244-19	Cyclohexane		U	
MW-11 11092022	L2263244-20	Cyclohexane		U	
MW-15A 11092022	L2263244-21	Cyclohexane		U	
TRIP BLANK	L2263244-22	Cyclohexane		U	
WG1714394-3	WG1714394-3	Cyclohexane	11		
WG1714394-4	WG1714394-4	Cyclohexane	9.5		
WG1714394-5	WG1714394-5	Cyclohexane		U	
WG1714765-3	WG1714765-3	Cyclohexane	8.5		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714765-4	WG1714765-4	Cyclohexane	8.2		
WG1714765-5	WG1714765-5	Cyclohexane		U	
WG1714899-3	WG1714899-3	Cyclohexane	8.8		
WG1714899-4	WG1714899-4	Cyclohexane	9.1		
WG1714899-5	WG1714899-5	Cyclohexane		U	
WG1714899-6	WG1714899-6	Cyclohexane	8.7		
WG1714899-7	WG1714899-7	Cyclohexane	9.1		
WG1714939-3	WG1714939-3	Cyclohexane	12		
WG1714939-4	WG1714939-4	Cyclohexane	11		
WG1714939-5	WG1714939-5	Cyclohexane		U	
WG1715252-3	WG1715252-3	Cyclohexane	8.7		
WG1715252-4	WG1715252-4	Cyclohexane	9.8		
WG1715252-5	WG1715252-5	Cyclohexane		U	
MW-8A 11082022	L2263244-01	Dibromochloromethane		U	
MW-08 11082022	L2263244-02	Dibromochloromethane		U	
MW-26 11082022	L2263244-03	Dibromochloromethane		U	
MW-26A 11082022	L2263244-04	Dibromochloromethane		U	UJ
MW-09 11082022	L2263244-05	Dibromochloromethane		U	UJ
MW-09A 11082022	L2263244-06	Dibromochloromethane		U	
MW-25A 11082022	L2263244-07	Dibromochloromethane		U	UJ
MW-10 11082022	L2263244-08	Dibromochloromethane		U	
MW-06 11082022	L2263244-09	Dibromochloromethane		U	
MW-20A 11082022	L2263244-10	Dibromochloromethane		U	
MW-7A 11092022	L2263244-11	Dibromochloromethane		U	
MW-7 11092022	L2263244-12	Dibromochloromethane		U	
MW-19A 11092022	L2263244-13	Dibromochloromethane		U	
MW-19AR 11092022	L2263244-14	Dibromochloromethane		U	
MW-21A 11092022	L2263244-15	Dibromochloromethane		U	R
DUP-01 11092022	L2263244-16	Dibromochloromethane		U	R
MW-5R 11092022	L2263244-17	Dibromochloromethane		U	
MW-5AR 11092022	L2263244-18	Dibromochloromethane		U	
MW-13A 11092022	L2263244-19	Dibromochloromethane		U	
MW-11 11092022	L2263244-20	Dibromochloromethane		U	
MW-15A 11092022	L2263244-21	Dibromochloromethane		U	
TRIP BLANK	L2263244-22	Dibromochloromethane		U	
WG1714394-3	WG1714394-3	Dibromochloromethane	9.8		
WG1714394-4	WG1714394-4	Dibromochloromethane	9.7		
WG1714394-5	WG1714394-5	Dibromochloromethane		U	
WG1714765-3	WG1714765-3	Dibromochloromethane	9.6		
WG1714765-4	WG1714765-4	Dibromochloromethane	9.4		
WG1714765-5	WG1714765-5	Dibromochloromethane		U	
WG1714899-3	WG1714899-3	Dibromochloromethane	8.4		
WG1714899-4	WG1714899-4	Dibromochloromethane	8.5		
WG1714899-5	WG1714899-5	Dibromochloromethane		U	
WG1714899-6	WG1714899-6	Dibromochloromethane	8.3		
WG1714899-7	WG1714899-7	Dibromochloromethane	9.3		
WG1714939-3	WG1714939-3	Dibromochloromethane	9.4		
WG1714939-4	WG1714939-4	Dibromochloromethane	9.2		
WG1714939-5	WG1714939-5	Dibromochloromethane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1715252-3	WG1715252-3	Dibromochloromethane	8.4		
WG1715252-4	WG1715252-4	Dibromochloromethane	9.1		
WG1715252-5	WG1715252-5	Dibromochloromethane		U	
MW-8A 11082022	L2263244-01	Dibromofluoromethane	97		
MW-08 11082022	L2263244-02	Dibromofluoromethane	99		
MW-26 11082022	L2263244-03	Dibromofluoromethane	97		
MW-26A 11082022	L2263244-04	Dibromofluoromethane	97		
MW-09 11082022	L2263244-05	Dibromofluoromethane	99		
MW-09A 11082022	L2263244-06	Dibromofluoromethane	117		
MW-25A 11082022	L2263244-07	Dibromofluoromethane	98		
MW-10 11082022	L2263244-08	Dibromofluoromethane	102		
MW-06 11082022	L2263244-09	Dibromofluoromethane	100		
MW-20A 11082022	L2263244-10	Dibromofluoromethane	106		
MW-7A 11092022	L2263244-11	Dibromofluoromethane	107		
MW-7 11092022	L2263244-12	Dibromofluoromethane	106		
MW-19A 11092022	L2263244-13	Dibromofluoromethane	107		
MW-19AR 11092022	L2263244-14	Dibromofluoromethane	108		
MW-21A 11092022	L2263244-15	Dibromofluoromethane	108		
DUP-01 11092022	L2263244-16	Dibromofluoromethane	107		
MW-5R 11092022	L2263244-17	Dibromofluoromethane	107		
MW-5AR 11092022	L2263244-18	Dibromofluoromethane	103		
MW-13A 11092022	L2263244-19	Dibromofluoromethane	108		
MW-11 11092022	L2263244-20	Dibromofluoromethane	109		
MW-15A 11092022	L2263244-21	Dibromofluoromethane	110		
TRIP BLANK	L2263244-22	Dibromofluoromethane	107		
WG1714394-3	WG1714394-3	Dibromofluoromethane	97		
WG1714394-4	WG1714394-4	Dibromofluoromethane	99		
WG1714394-5	WG1714394-5	Dibromofluoromethane	97		
WG1714765-3	WG1714765-3	Dibromofluoromethane	102		
WG1714765-4	WG1714765-4	Dibromofluoromethane	102		
WG1714765-5	WG1714765-5	Dibromofluoromethane	105		
WG1714899-3	WG1714899-3	Dibromofluoromethane	102		
WG1714899-4	WG1714899-4	Dibromofluoromethane	101		
WG1714899-5	WG1714899-5	Dibromofluoromethane	103		
WG1714899-6	WG1714899-6	Dibromofluoromethane	101		
WG1714899-7	WG1714899-7	Dibromofluoromethane	100		
WG1714939-3	WG1714939-3	Dibromofluoromethane	96		
WG1714939-4	WG1714939-4	Dibromofluoromethane	95		
WG1714939-5	WG1714939-5	Dibromofluoromethane	112		
WG1715252-3	WG1715252-3	Dibromofluoromethane	103		
WG1715252-4	WG1715252-4	Dibromofluoromethane	100		
WG1715252-5	WG1715252-5	Dibromofluoromethane	107		
MW-8A 11082022	L2263244-01	Dichlorodifluoromethane		U	
MW-08 11082022	L2263244-02	Dichlorodifluoromethane		U	
MW-26 11082022	L2263244-03	Dichlorodifluoromethane		U	
MW-26A 11082022	L2263244-04	Dichlorodifluoromethane		U	
MW-09 11082022	L2263244-05	Dichlorodifluoromethane		U	
MW-09A 11082022	L2263244-06	Dichlorodifluoromethane		U	UJ
MW-25A 11082022	L2263244-07	Dichlorodifluoromethane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-10 11082022	L2263244-08	Dichlorodifluoromethane		U	
MW-06 11082022	L2263244-09	Dichlorodifluoromethane		U	
MW-20A 11082022	L2263244-10	Dichlorodifluoromethane		U	
MW-7A 11092022	L2263244-11	Dichlorodifluoromethane		U	
MW-7 11092022	L2263244-12	Dichlorodifluoromethane		U	
MW-19A 11092022	L2263244-13	Dichlorodifluoromethane		U	
MW-19AR 11092022	L2263244-14	Dichlorodifluoromethane		U	
MW-21A 11092022	L2263244-15	Dichlorodifluoromethane		U	R
DUP-01 11092022	L2263244-16	Dichlorodifluoromethane		U	R
MW-5R 11092022	L2263244-17	Dichlorodifluoromethane		U	
MW-5AR 11092022	L2263244-18	Dichlorodifluoromethane		U	
MW-13A 11092022	L2263244-19	Dichlorodifluoromethane		U	
MW-11 11092022	L2263244-20	Dichlorodifluoromethane		U	
MW-15A 11092022	L2263244-21	Dichlorodifluoromethane		U	
TRIP BLANK	L2263244-22	Dichlorodifluoromethane		U	
WG1714394-3	WG1714394-3	Dichlorodifluoromethane	9.4		
WG1714394-4	WG1714394-4	Dichlorodifluoromethane	8		
WG1714394-5	WG1714394-5	Dichlorodifluoromethane		U	
WG1714765-3	WG1714765-3	Dichlorodifluoromethane	8.1		
WG1714765-4	WG1714765-4	Dichlorodifluoromethane	7.6		
WG1714765-5	WG1714765-5	Dichlorodifluoromethane		U	
WG1714899-3	WG1714899-3	Dichlorodifluoromethane	8.3		
WG1714899-4	WG1714899-4	Dichlorodifluoromethane	7.9		
WG1714899-5	WG1714899-5	Dichlorodifluoromethane		U	
WG1714899-6	WG1714899-6	Dichlorodifluoromethane	8		
WG1714899-7	WG1714899-7	Dichlorodifluoromethane	8.5		
WG1714939-3	WG1714939-3	Dichlorodifluoromethane	9.5		J
WG1714939-4	WG1714939-4	Dichlorodifluoromethane	8.8		J
WG1714939-5	WG1714939-5	Dichlorodifluoromethane		U	UJ
WG1715252-3	WG1715252-3	Dichlorodifluoromethane	8.2		
WG1715252-4	WG1715252-4	Dichlorodifluoromethane	9.3		
WG1715252-5	WG1715252-5	Dichlorodifluoromethane		U	
MW-8A 11082022	L2263244-01	Ethylbenzene		U	
MW-08 11082022	L2263244-02	Ethylbenzene		U	
MW-26 11082022	L2263244-03	Ethylbenzene		U	
MW-26A 11082022	L2263244-04	Ethylbenzene		U	UJ
MW-09 11082022	L2263244-05	Ethylbenzene		U	UJ
MW-09A 11082022	L2263244-06	Ethylbenzene		U	
MW-25A 11082022	L2263244-07	Ethylbenzene		U	UJ
MW-10 11082022	L2263244-08	Ethylbenzene		U	
MW-06 11082022	L2263244-09	Ethylbenzene		U	
MW-20A 11082022	L2263244-10	Ethylbenzene		U	
MW-7A 11092022	L2263244-11	Ethylbenzene		U	
MW-7 11092022	L2263244-12	Ethylbenzene		U	
MW-19A 11092022	L2263244-13	Ethylbenzene		U	
MW-19AR 11092022	L2263244-14	Ethylbenzene		U	
MW-21A 11092022	L2263244-15	Ethylbenzene		U	R
DUP-01 11092022	L2263244-16	Ethylbenzene		U	R
MW-5R 11092022	L2263244-17	Ethylbenzene		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-5AR 11092022	L2263244-18	Ethylbenzene		U	
MW-13A 11092022	L2263244-19	Ethylbenzene		U	
MW-11 11092022	L2263244-20	Ethylbenzene		U	
MW-15A 11092022	L2263244-21	Ethylbenzene		U	
TRIP BLANK	L2263244-22	Ethylbenzene		U	
WG1714394-3	WG1714394-3	Ethylbenzene	11		
WG1714394-4	WG1714394-4	Ethylbenzene	10		
WG1714394-5	WG1714394-5	Ethylbenzene		U	
WG1714765-3	WG1714765-3	Ethylbenzene	9.3		
WG1714765-4	WG1714765-4	Ethylbenzene	9		
WG1714765-5	WG1714765-5	Ethylbenzene		U	
WG1714899-3	WG1714899-3	Ethylbenzene	9		
WG1714899-4	WG1714899-4	Ethylbenzene	8.9		
WG1714899-5	WG1714899-5	Ethylbenzene		U	
WG1714899-6	WG1714899-6	Ethylbenzene	8.8		
WG1714899-7	WG1714899-7	Ethylbenzene	9.6		
WG1714939-3	WG1714939-3	Ethylbenzene	12		
WG1714939-4	WG1714939-4	Ethylbenzene	11		
WG1714939-5	WG1714939-5	Ethylbenzene		U	
WG1715252-3	WG1715252-3	Ethylbenzene	8.6		
WG1715252-4	WG1715252-4	Ethylbenzene	9.5		
WG1715252-5	WG1715252-5	Ethylbenzene		U	
MW-8A 11082022	L2263244-01	Isopropylbenzene (Cumene)		U	
MW-08 11082022	L2263244-02	Isopropylbenzene (Cumene)		U	
MW-26 11082022	L2263244-03	Isopropylbenzene (Cumene)		U	
MW-26A 11082022	L2263244-04	Isopropylbenzene (Cumene)		U	UJ
MW-09 11082022	L2263244-05	Isopropylbenzene (Cumene)		U	UJ
MW-09A 11082022	L2263244-06	Isopropylbenzene (Cumene)		U	
MW-25A 11082022	L2263244-07	Isopropylbenzene (Cumene)		U	UJ
MW-10 11082022	L2263244-08	Isopropylbenzene (Cumene)		U	
MW-06 11082022	L2263244-09	Isopropylbenzene (Cumene)		U	
MW-20A 11082022	L2263244-10	Isopropylbenzene (Cumene)		U	
MW-7A 11092022	L2263244-11	Isopropylbenzene (Cumene)		U	
MW-7 11092022	L2263244-12	Isopropylbenzene (Cumene)		U	
MW-19A 11092022	L2263244-13	Isopropylbenzene (Cumene)		U	
MW-19AR 11092022	L2263244-14	Isopropylbenzene (Cumene)		U	
MW-21A 11092022	L2263244-15	Isopropylbenzene (Cumene)		U	R
DUP-01 11092022	L2263244-16	Isopropylbenzene (Cumene)		U	R
MW-5R 11092022	L2263244-17	Isopropylbenzene (Cumene)		U	
MW-5AR 11092022	L2263244-18	Isopropylbenzene (Cumene)		U	
MW-13A 11092022	L2263244-19	Isopropylbenzene (Cumene)		U	
MW-11 11092022	L2263244-20	Isopropylbenzene (Cumene)		U	
MW-15A 11092022	L2263244-21	Isopropylbenzene (Cumene)		U	
TRIP BLANK	L2263244-22	Isopropylbenzene (Cumene)		U	
WG1714394-3	WG1714394-3	Isopropylbenzene (Cumene)	10		
WG1714394-4	WG1714394-4	Isopropylbenzene (Cumene)	9.6		
WG1714394-5	WG1714394-5	Isopropylbenzene (Cumene)		U	
WG1714765-3	WG1714765-3	Isopropylbenzene (Cumene)	8.6		
WG1714765-4	WG1714765-4	Isopropylbenzene (Cumene)	7.5		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714765-5	WG1714765-5	Isopropylbenzene (Cumene)		U	
WG1714899-3	WG1714899-3	Isopropylbenzene (Cumene)	8.9		
WG1714899-4	WG1714899-4	Isopropylbenzene (Cumene)	9		
WG1714899-5	WG1714899-5	Isopropylbenzene (Cumene)		U	
WG1714899-6	WG1714899-6	Isopropylbenzene (Cumene)	8.8		
WG1714899-7	WG1714899-7	Isopropylbenzene (Cumene)	9.7		
WG1714939-3	WG1714939-3	Isopropylbenzene (Cumene)	12		
WG1714939-4	WG1714939-4	Isopropylbenzene (Cumene)	11		
WG1714939-5	WG1714939-5	Isopropylbenzene (Cumene)		U	
WG1715252-3	WG1715252-3	Isopropylbenzene (Cumene)	8.7		
WG1715252-4	WG1715252-4	Isopropylbenzene (Cumene)	9.7		
WG1715252-5	WG1715252-5	Isopropylbenzene (Cumene)		U	
MW-8A 11082022	L2263244-01	m,p-Xylene		U	
MW-08 11082022	L2263244-02	m,p-Xylene		U	
MW-26 11082022	L2263244-03	m,p-Xylene		U	
MW-26A 11082022	L2263244-04	m,p-Xylene		U	UJ
MW-09 11082022	L2263244-05	m,p-Xylene		U	UJ
MW-09A 11082022	L2263244-06	m,p-Xylene		U	UJ
MW-25A 11082022	L2263244-07	m,p-Xylene		U	UJ
MW-10 11082022	L2263244-08	m,p-Xylene		U	
MW-06 11082022	L2263244-09	m,p-Xylene		U	
MW-20A 11082022	L2263244-10	m,p-Xylene		U	
MW-7A 11092022	L2263244-11	m,p-Xylene		U	
MW-7 11092022	L2263244-12	m,p-Xylene		U	
MW-19A 11092022	L2263244-13	m,p-Xylene		U	
MW-19AR 11092022	L2263244-14	m,p-Xylene		U	
MW-21A 11092022	L2263244-15	m,p-Xylene		U	R
DUP-01 11092022	L2263244-16	m,p-Xylene		U	R
MW-5R 11092022	L2263244-17	m,p-Xylene		U	
MW-5AR 11092022	L2263244-18	m,p-Xylene		U	
MW-13A 11092022	L2263244-19	m,p-Xylene		U	
MW-11 11092022	L2263244-20	m,p-Xylene		U	
MW-15A 11092022	L2263244-21	m,p-Xylene		U	
TRIP BLANK	L2263244-22	m,p-Xylene		U	
WG1714394-3	WG1714394-3	m,p-Xylene	22		
WG1714394-4	WG1714394-4	m,p-Xylene	20		
WG1714394-5	WG1714394-5	m,p-Xylene		U	
WG1714765-3	WG1714765-3	m,p-Xylene	19		
WG1714765-4	WG1714765-4	m,p-Xylene	18		
WG1714765-5	WG1714765-5	m,p-Xylene		U	
WG1714899-3	WG1714899-3	m,p-Xylene	18		
WG1714899-4	WG1714899-4	m,p-Xylene	17		
WG1714899-5	WG1714899-5	m,p-Xylene		U	
WG1714899-6	WG1714899-6	m,p-Xylene	18		
WG1714899-7	WG1714899-7	m,p-Xylene	19		
WG1714939-3	WG1714939-3	m,p-Xylene	24		J
WG1714939-4	WG1714939-4	m,p-Xylene	23		J
WG1714939-5	WG1714939-5	m,p-Xylene		U	UJ
WG1715252-3	WG1715252-3	m,p-Xylene	17		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1715252-4	WG1715252-4	m,p-Xylene	19		
WG1715252-5	WG1715252-5	m,p-Xylene		U	
MW-8A 11082022	L2263244-01	Methyl Acetate		U	
MW-08 11082022	L2263244-02	Methyl Acetate		U	
MW-26 11082022	L2263244-03	Methyl Acetate		U	
MW-26A 11082022	L2263244-04	Methyl Acetate		U	
MW-09 11082022	L2263244-05	Methyl Acetate		U	
MW-09A 11082022	L2263244-06	Methyl Acetate		U	
MW-25A 11082022	L2263244-07	Methyl Acetate		U	
MW-10 11082022	L2263244-08	Methyl Acetate		U	
MW-06 11082022	L2263244-09	Methyl Acetate		U	
MW-20A 11082022	L2263244-10	Methyl Acetate		U	
MW-7A 11092022	L2263244-11	Methyl Acetate		U	
MW-7 11092022	L2263244-12	Methyl Acetate		U	
MW-19A 11092022	L2263244-13	Methyl Acetate		U	
MW-19AR 11092022	L2263244-14	Methyl Acetate		U	
MW-21A 11092022	L2263244-15	Methyl Acetate		U	R
DUP-01 11092022	L2263244-16	Methyl Acetate		U	R
MW-5R 11092022	L2263244-17	Methyl Acetate		U	
MW-5AR 11092022	L2263244-18	Methyl Acetate		U	
MW-13A 11092022	L2263244-19	Methyl Acetate		U	
MW-11 11092022	L2263244-20	Methyl Acetate		U	
MW-15A 11092022	L2263244-21	Methyl Acetate		U	
TRIP BLANK	L2263244-22	Methyl Acetate		U	
WG1714394-3	WG1714394-3	Methyl Acetate	8.3		
WG1714394-4	WG1714394-4	Methyl Acetate	8.3		
WG1714394-5	WG1714394-5	Methyl Acetate		U	
WG1714765-3	WG1714765-3	Methyl Acetate	9.9		
WG1714765-4	WG1714765-4	Methyl Acetate	9.6		
WG1714765-5	WG1714765-5	Methyl Acetate		U	
WG1714899-3	WG1714899-3	Methyl Acetate	7.8		
WG1714899-4	WG1714899-4	Methyl Acetate	8		
WG1714899-5	WG1714899-5	Methyl Acetate		U	
WG1714899-6	WG1714899-6	Methyl Acetate	7.6		
WG1714899-7	WG1714899-7	Methyl Acetate	8.1		
WG1714939-3	WG1714939-3	Methyl Acetate	11		
WG1714939-4	WG1714939-4	Methyl Acetate	11		
WG1714939-5	WG1714939-5	Methyl Acetate		U	
WG1715252-3	WG1715252-3	Methyl Acetate	8.4		
WG1715252-4	WG1715252-4	Methyl Acetate	8.4		
WG1715252-5	WG1715252-5	Methyl Acetate		U	
MW-8A 11082022	L2263244-01	Methyl Ethyl Ketone (2-Butanone)		U	
MW-08 11082022	L2263244-02	Methyl Ethyl Ketone (2-Butanone)		U	
MW-26 11082022	L2263244-03	Methyl Ethyl Ketone (2-Butanone)		U	
MW-26A 11082022	L2263244-04	Methyl Ethyl Ketone (2-Butanone)		U	
MW-09 11082022	L2263244-05	Methyl Ethyl Ketone (2-Butanone)		U	
MW-09A 11082022	L2263244-06	Methyl Ethyl Ketone (2-Butanone)		U	
MW-25A 11082022	L2263244-07	Methyl Ethyl Ketone (2-Butanone)		U	
MW-10 11082022	L2263244-08	Methyl Ethyl Ketone (2-Butanone)		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-06 11082022	L2263244-09	Methyl Ethyl Ketone (2-Butanone)		U	
MW-20A 11082022	L2263244-10	Methyl Ethyl Ketone (2-Butanone)		U	
MW-7A 11092022	L2263244-11	Methyl Ethyl Ketone (2-Butanone)		U	
MW-7 11092022	L2263244-12	Methyl Ethyl Ketone (2-Butanone)		U	
MW-19A 11092022	L2263244-13	Methyl Ethyl Ketone (2-Butanone)		U	
MW-19AR 11092022	L2263244-14	Methyl Ethyl Ketone (2-Butanone)		U	
MW-21A 11092022	L2263244-15	Methyl Ethyl Ketone (2-Butanone)		U	R
DUP-01 11092022	L2263244-16	Methyl Ethyl Ketone (2-Butanone)		U	R
MW-5R 11092022	L2263244-17	Methyl Ethyl Ketone (2-Butanone)		U	
MW-5AR 11092022	L2263244-18	Methyl Ethyl Ketone (2-Butanone)		U	
MW-13A 11092022	L2263244-19	Methyl Ethyl Ketone (2-Butanone)		U	
MW-11 11092022	L2263244-20	Methyl Ethyl Ketone (2-Butanone)		U	
MW-15A 11092022	L2263244-21	Methyl Ethyl Ketone (2-Butanone)		U	
TRIP BLANK	L2263244-22	Methyl Ethyl Ketone (2-Butanone)		U	
WG1714394-3	WG1714394-3	Methyl Ethyl Ketone (2-Butanone)	7.2		
WG1714394-4	WG1714394-4	Methyl Ethyl Ketone (2-Butanone)	7.8		
WG1714394-5	WG1714394-5	Methyl Ethyl Ketone (2-Butanone)		U	
WG1714765-3	WG1714765-3	Methyl Ethyl Ketone (2-Butanone)	8.9		
WG1714765-4	WG1714765-4	Methyl Ethyl Ketone (2-Butanone)	8.8		
WG1714765-5	WG1714765-5	Methyl Ethyl Ketone (2-Butanone)		U	
WG1714899-3	WG1714899-3	Methyl Ethyl Ketone (2-Butanone)	8.5		
WG1714899-4	WG1714899-4	Methyl Ethyl Ketone (2-Butanone)	8.7		
WG1714899-5	WG1714899-5	Methyl Ethyl Ketone (2-Butanone)		U	
WG1714899-6	WG1714899-6	Methyl Ethyl Ketone (2-Butanone)	8.1		
WG1714899-7	WG1714899-7	Methyl Ethyl Ketone (2-Butanone)	8.8		
WG1714939-3	WG1714939-3	Methyl Ethyl Ketone (2-Butanone)	11		
WG1714939-4	WG1714939-4	Methyl Ethyl Ketone (2-Butanone)	10		
WG1714939-5	WG1714939-5	Methyl Ethyl Ketone (2-Butanone)		U	
WG1715252-3	WG1715252-3	Methyl Ethyl Ketone (2-Butanone)	8.7		
WG1715252-4	WG1715252-4	Methyl Ethyl Ketone (2-Butanone)	9.3		
WG1715252-5	WG1715252-5	Methyl Ethyl Ketone (2-Butanone)		U	
MW-8A 11082022	L2263244-01	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-08 11082022	L2263244-02	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-26 11082022	L2263244-03	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-26A 11082022	L2263244-04	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	UJ
MW-09 11082022	L2263244-05	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	UJ
MW-09A 11082022	L2263244-06	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-25A 11082022	L2263244-07	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	UJ
MW-10 11082022	L2263244-08	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-06 11082022	L2263244-09	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-20A 11082022	L2263244-10	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-7A 11092022	L2263244-11	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-7 11092022	L2263244-12	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-19A 11092022	L2263244-13	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-19AR 11092022	L2263244-14	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-21A 11092022	L2263244-15	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	R
DUP-01 11092022	L2263244-16	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	R
MW-5R 11092022	L2263244-17	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-5AR 11092022	L2263244-18	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-13A 11092022	L2263244-19	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-11 11092022	L2263244-20	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-15A 11092022	L2263244-21	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
TRIP BLANK	L2263244-22	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
WG1714394-3	WG1714394-3	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	8.6		
WG1714394-4	WG1714394-4	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	8.8		
WG1714394-5	WG1714394-5	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
WG1714765-3	WG1714765-3	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	7.6		
WG1714765-4	WG1714765-4	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	7.6		
WG1714765-5	WG1714765-5	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
WG1714899-3	WG1714899-3	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	8.3		
WG1714899-4	WG1714899-4	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	8.4		
WG1714899-5	WG1714899-5	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
WG1714899-6	WG1714899-6	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	8.4		
WG1714899-7	WG1714899-7	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	9.4		
WG1714939-3	WG1714939-3	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	9		
WG1714939-4	WG1714939-4	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	9.3		
WG1714939-5	WG1714939-5	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
WG1715252-3	WG1715252-3	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	7.9		
WG1715252-4	WG1715252-4	Methyl Isobutyl Ketone (4-Methyl-2-Pentan	8.6		
WG1715252-5	WG1715252-5	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		U	
MW-8A 11082022	L2263244-01	Methylcyclohexane		U	
MW-08 11082022	L2263244-02	Methylcyclohexane		U	
MW-26 11082022	L2263244-03	Methylcyclohexane		U	
MW-26A 11082022	L2263244-04	Methylcyclohexane		U	UJ
MW-09 11082022	L2263244-05	Methylcyclohexane		U	UJ
MW-09A 11082022	L2263244-06	Methylcyclohexane		U	
MW-25A 11082022	L2263244-07	Methylcyclohexane		U	UJ
MW-10 11082022	L2263244-08	Methylcyclohexane		U	
MW-06 11082022	L2263244-09	Methylcyclohexane		U	
MW-20A 11082022	L2263244-10	Methylcyclohexane		U	
MW-7A 11092022	L2263244-11	Methylcyclohexane		U	
MW-7 11092022	L2263244-12	Methylcyclohexane		U	
MW-19A 11092022	L2263244-13	Methylcyclohexane		U	
MW-19AR 11092022	L2263244-14	Methylcyclohexane		U	
MW-21A 11092022	L2263244-15	Methylcyclohexane		U	R
DUP-01 11092022	L2263244-16	Methylcyclohexane		U	R
MW-5R 11092022	L2263244-17	Methylcyclohexane		U	
MW-5AR 11092022	L2263244-18	Methylcyclohexane		U	
MW-13A 11092022	L2263244-19	Methylcyclohexane		U	
MW-11 11092022	L2263244-20	Methylcyclohexane		U	
MW-15A 11092022	L2263244-21	Methylcyclohexane		U	
TRIP BLANK	L2263244-22	Methylcyclohexane		U	
WG1714394-3	WG1714394-3	Methylcyclohexane	12		
WG1714394-4	WG1714394-4	Methylcyclohexane	10		
WG1714394-5	WG1714394-5	Methylcyclohexane		U	
WG1714765-3	WG1714765-3	Methylcyclohexane	7.8		
WG1714765-4	WG1714765-4	Methylcyclohexane	7.5		
WG1714765-5	WG1714765-5	Methylcyclohexane		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714899-3	WG1714899-3	Methylcyclohexane	8.7		
WG1714899-4	WG1714899-4	Methylcyclohexane	8.4		
WG1714899-5	WG1714899-5	Methylcyclohexane		U	
WG1714899-6	WG1714899-6	Methylcyclohexane	8.3		
WG1714899-7	WG1714899-7	Methylcyclohexane	8.6		
WG1714939-3	WG1714939-3	Methylcyclohexane	9.6		
WG1714939-4	WG1714939-4	Methylcyclohexane	9.1		
WG1714939-5	WG1714939-5	Methylcyclohexane		U	
WG1715252-3	WG1715252-3	Methylcyclohexane	8.3		
WG1715252-4	WG1715252-4	Methylcyclohexane	9.2		
WG1715252-5	WG1715252-5	Methylcyclohexane		U	
MW-8A 11082022	L2263244-01	Methylene Chloride		U	
MW-08 11082022	L2263244-02	Methylene Chloride		U	
MW-26 11082022	L2263244-03	Methylene Chloride		U	
MW-26A 11082022	L2263244-04	Methylene Chloride		U	
MW-09 11082022	L2263244-05	Methylene Chloride		U	
MW-09A 11082022	L2263244-06	Methylene Chloride		U	
MW-25A 11082022	L2263244-07	Methylene Chloride		U	
MW-10 11082022	L2263244-08	Methylene Chloride		U	
MW-06 11082022	L2263244-09	Methylene Chloride		U	
MW-20A 11082022	L2263244-10	Methylene Chloride		U	
MW-7A 11092022	L2263244-11	Methylene Chloride		U	
MW-7 11092022	L2263244-12	Methylene Chloride		U	
MW-19A 11092022	L2263244-13	Methylene Chloride		U	
MW-19AR 11092022	L2263244-14	Methylene Chloride		U	
MW-21A 11092022	L2263244-15	Methylene Chloride		U	R
DUP-01 11092022	L2263244-16	Methylene Chloride		U	R
MW-5R 11092022	L2263244-17	Methylene Chloride		U	
MW-5AR 11092022	L2263244-18	Methylene Chloride		U	
MW-13A 11092022	L2263244-19	Methylene Chloride		U	
MW-11 11092022	L2263244-20	Methylene Chloride		U	
MW-15A 11092022	L2263244-21	Methylene Chloride		U	
TRIP BLANK	L2263244-22	Methylene Chloride		U	
WG1714394-3	WG1714394-3	Methylene Chloride	11		
WG1714394-4	WG1714394-4	Methylene Chloride	10		
WG1714394-5	WG1714394-5	Methylene Chloride		U	
WG1714765-3	WG1714765-3	Methylene Chloride	10		
WG1714765-4	WG1714765-4	Methylene Chloride	9.9		
WG1714765-5	WG1714765-5	Methylene Chloride		U	
WG1714899-3	WG1714899-3	Methylene Chloride	8.7		
WG1714899-4	WG1714899-4	Methylene Chloride	8.7		
WG1714899-5	WG1714899-5	Methylene Chloride		U	
WG1714899-6	WG1714899-6	Methylene Chloride	8.9		
WG1714899-7	WG1714899-7	Methylene Chloride	9.5		
WG1714939-3	WG1714939-3	Methylene Chloride	11		
WG1714939-4	WG1714939-4	Methylene Chloride	11		
WG1714939-5	WG1714939-5	Methylene Chloride		U	
WG1715252-3	WG1715252-3	Methylene Chloride	9		
WG1715252-4	WG1715252-4	Methylene Chloride	9		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1715252-5	WG1715252-5	Methylene Chloride		U	
MW-8A 11082022	L2263244-01	O-Xylene (1,2-Dimethylbenzene)		U	
MW-08 11082022	L2263244-02	O-Xylene (1,2-Dimethylbenzene)		U	
MW-26 11082022	L2263244-03	O-Xylene (1,2-Dimethylbenzene)		U	
MW-26A 11082022	L2263244-04	O-Xylene (1,2-Dimethylbenzene)		U	UJ
MW-09 11082022	L2263244-05	O-Xylene (1,2-Dimethylbenzene)		U	UJ
MW-09A 11082022	L2263244-06	O-Xylene (1,2-Dimethylbenzene)		U	
MW-25A 11082022	L2263244-07	O-Xylene (1,2-Dimethylbenzene)		U	UJ
MW-10 11082022	L2263244-08	O-Xylene (1,2-Dimethylbenzene)		U	
MW-06 11082022	L2263244-09	O-Xylene (1,2-Dimethylbenzene)		U	
MW-20A 11082022	L2263244-10	O-Xylene (1,2-Dimethylbenzene)		U	
MW-7A 11092022	L2263244-11	O-Xylene (1,2-Dimethylbenzene)		U	
MW-7 11092022	L2263244-12	O-Xylene (1,2-Dimethylbenzene)		U	
MW-19A 11092022	L2263244-13	O-Xylene (1,2-Dimethylbenzene)		U	
MW-19AR 11092022	L2263244-14	O-Xylene (1,2-Dimethylbenzene)		U	
MW-21A 11092022	L2263244-15	O-Xylene (1,2-Dimethylbenzene)		U	R
DUP-01 11092022	L2263244-16	O-Xylene (1,2-Dimethylbenzene)		U	R
MW-5R 11092022	L2263244-17	O-Xylene (1,2-Dimethylbenzene)		U	
MW-5AR 11092022	L2263244-18	O-Xylene (1,2-Dimethylbenzene)		U	
MW-13A 11092022	L2263244-19	O-Xylene (1,2-Dimethylbenzene)		U	
MW-11 11092022	L2263244-20	O-Xylene (1,2-Dimethylbenzene)		U	
MW-15A 11092022	L2263244-21	O-Xylene (1,2-Dimethylbenzene)		U	
TRIP BLANK	L2263244-22	O-Xylene (1,2-Dimethylbenzene)		U	
WG1714394-3	WG1714394-3	O-Xylene (1,2-Dimethylbenzene)	21		
WG1714394-4	WG1714394-4	O-Xylene (1,2-Dimethylbenzene)	20		
WG1714394-5	WG1714394-5	O-Xylene (1,2-Dimethylbenzene)		U	
WG1714765-3	WG1714765-3	O-Xylene (1,2-Dimethylbenzene)	19		
WG1714765-4	WG1714765-4	O-Xylene (1,2-Dimethylbenzene)	18		
WG1714765-5	WG1714765-5	O-Xylene (1,2-Dimethylbenzene)		U	
WG1714899-3	WG1714899-3	O-Xylene (1,2-Dimethylbenzene)	18		
WG1714899-4	WG1714899-4	O-Xylene (1,2-Dimethylbenzene)	17		
WG1714899-5	WG1714899-5	O-Xylene (1,2-Dimethylbenzene)		U	
WG1714899-6	WG1714899-6	O-Xylene (1,2-Dimethylbenzene)	17		
WG1714899-7	WG1714899-7	O-Xylene (1,2-Dimethylbenzene)	19		
WG1714939-3	WG1714939-3	O-Xylene (1,2-Dimethylbenzene)	23		
WG1714939-4	WG1714939-4	O-Xylene (1,2-Dimethylbenzene)	22		
WG1714939-5	WG1714939-5	O-Xylene (1,2-Dimethylbenzene)		U	
WG1715252-3	WG1715252-3	O-Xylene (1,2-Dimethylbenzene)	17		
WG1715252-4	WG1715252-4	O-Xylene (1,2-Dimethylbenzene)	18		
WG1715252-5	WG1715252-5	O-Xylene (1,2-Dimethylbenzene)		U	
MW-8A 11082022	L2263244-01	p-Bromofluorobenzene	103		
MW-08 11082022	L2263244-02	p-Bromofluorobenzene	103		
MW-26 11082022	L2263244-03	p-Bromofluorobenzene	81		
MW-26A 11082022	L2263244-04	p-Bromofluorobenzene	101		
MW-09 11082022	L2263244-05	p-Bromofluorobenzene	103		
MW-09A 11082022	L2263244-06	p-Bromofluorobenzene	109		
MW-25A 11082022	L2263244-07	p-Bromofluorobenzene	102		
MW-10 11082022	L2263244-08	p-Bromofluorobenzene	104		
MW-06 11082022	L2263244-09	p-Bromofluorobenzene	80		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-20A 11082022	L2263244-10	p-Bromofluorobenzene	92		
MW-7A 11092022	L2263244-11	p-Bromofluorobenzene	100		
MW-7 11092022	L2263244-12	p-Bromofluorobenzene	105		
MW-19A 11092022	L2263244-13	p-Bromofluorobenzene	101		
MW-19AR 11092022	L2263244-14	p-Bromofluorobenzene	100		
MW-21A 11092022	L2263244-15	p-Bromofluorobenzene	99		
DUP-01 11092022	L2263244-16	p-Bromofluorobenzene	99		
MW-5R 11092022	L2263244-17	p-Bromofluorobenzene	102		
MW-5AR 11092022	L2263244-18	p-Bromofluorobenzene	101		
MW-13A 11092022	L2263244-19	p-Bromofluorobenzene	97		
MW-11 11092022	L2263244-20	p-Bromofluorobenzene	94		
MW-15A 11092022	L2263244-21	p-Bromofluorobenzene	103		
TRIP BLANK	L2263244-22	p-Bromofluorobenzene	96		
WG1714394-3	WG1714394-3	p-Bromofluorobenzene	104		
WG1714394-4	WG1714394-4	p-Bromofluorobenzene	105		
WG1714394-5	WG1714394-5	p-Bromofluorobenzene	105		
WG1714765-3	WG1714765-3	p-Bromofluorobenzene	92		
WG1714765-4	WG1714765-4	p-Bromofluorobenzene	92		
WG1714765-5	WG1714765-5	p-Bromofluorobenzene	92		
WG1714899-3	WG1714899-3	p-Bromofluorobenzene	95		
WG1714899-4	WG1714899-4	p-Bromofluorobenzene	94		
WG1714899-5	WG1714899-5	p-Bromofluorobenzene	102		
WG1714899-6	WG1714899-6	p-Bromofluorobenzene	93		
WG1714899-7	WG1714899-7	p-Bromofluorobenzene	96		
WG1714939-3	WG1714939-3	p-Bromofluorobenzene	106		
WG1714939-4	WG1714939-4	p-Bromofluorobenzene	106		
WG1714939-5	WG1714939-5	p-Bromofluorobenzene	112		
WG1715252-3	WG1715252-3	p-Bromofluorobenzene	96		
WG1715252-4	WG1715252-4	p-Bromofluorobenzene	95		
WG1715252-5	WG1715252-5	p-Bromofluorobenzene	103		
MW-8A 11082022	L2263244-01	Styrene		U	
MW-08 11082022	L2263244-02	Styrene		U	
MW-26 11082022	L2263244-03	Styrene		U	
MW-26A 11082022	L2263244-04	Styrene		U	UJ
MW-09 11082022	L2263244-05	Styrene		U	UJ
MW-09A 11082022	L2263244-06	Styrene		U	
MW-25A 11082022	L2263244-07	Styrene		U	UJ
MW-10 11082022	L2263244-08	Styrene		U	
MW-06 11082022	L2263244-09	Styrene		U	
MW-20A 11082022	L2263244-10	Styrene		U	
MW-7A 11092022	L2263244-11	Styrene		U	
MW-7 11092022	L2263244-12	Styrene		U	
MW-19A 11092022	L2263244-13	Styrene		U	
MW-19AR 11092022	L2263244-14	Styrene		U	
MW-21A 11092022	L2263244-15	Styrene		U	R
DUP-01 11092022	L2263244-16	Styrene		U	R
MW-5R 11092022	L2263244-17	Styrene		U	
MW-5AR 11092022	L2263244-18	Styrene		U	
MW-13A 11092022	L2263244-19	Styrene		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-11 11092022	L2263244-20	Styrene		U	
MW-15A 11092022	L2263244-21	Styrene		U	
TRIP BLANK	L2263244-22	Styrene		U	
WG1714394-3	WG1714394-3	Styrene	20		
WG1714394-4	WG1714394-4	Styrene	19		
WG1714394-5	WG1714394-5	Styrene		U	
WG1714765-3	WG1714765-3	Styrene	19		
WG1714765-4	WG1714765-4	Styrene	19		
WG1714765-5	WG1714765-5	Styrene		U	
WG1714899-3	WG1714899-3	Styrene	17		
WG1714899-4	WG1714899-4	Styrene	17		
WG1714899-5	WG1714899-5	Styrene		U	
WG1714899-6	WG1714899-6	Styrene	16		
WG1714899-7	WG1714899-7	Styrene	18		
WG1714939-3	WG1714939-3	Styrene	23		
WG1714939-4	WG1714939-4	Styrene	22		
WG1714939-5	WG1714939-5	Styrene		U	
WG1715252-3	WG1715252-3	Styrene	17		
WG1715252-4	WG1715252-4	Styrene	18		
WG1715252-5	WG1715252-5	Styrene		U	
MW-8A 11082022	L2263244-01	Tert-Butyl Methyl Ether		U	
MW-08 11082022	L2263244-02	Tert-Butyl Methyl Ether		U	
MW-26 11082022	L2263244-03	Tert-Butyl Methyl Ether		U	
MW-26A 11082022	L2263244-04	Tert-Butyl Methyl Ether		U	
MW-09 11082022	L2263244-05	Tert-Butyl Methyl Ether		U	
MW-09A 11082022	L2263244-06	Tert-Butyl Methyl Ether		U	
MW-25A 11082022	L2263244-07	Tert-Butyl Methyl Ether		U	
MW-10 11082022	L2263244-08	Tert-Butyl Methyl Ether		U	
MW-06 11082022	L2263244-09	Tert-Butyl Methyl Ether		U	
MW-20A 11082022	L2263244-10	Tert-Butyl Methyl Ether		U	
MW-7A 11092022	L2263244-11	Tert-Butyl Methyl Ether		U	
MW-7 11092022	L2263244-12	Tert-Butyl Methyl Ether		U	
MW-19A 11092022	L2263244-13	Tert-Butyl Methyl Ether		U	
MW-19AR 11092022	L2263244-14	Tert-Butyl Methyl Ether		U	
MW-21A 11092022	L2263244-15	Tert-Butyl Methyl Ether		U	R
DUP-01 11092022	L2263244-16	Tert-Butyl Methyl Ether		U	R
MW-5R 11092022	L2263244-17	Tert-Butyl Methyl Ether		U	
MW-5AR 11092022	L2263244-18	Tert-Butyl Methyl Ether		U	
MW-13A 11092022	L2263244-19	Tert-Butyl Methyl Ether		U	
MW-11 11092022	L2263244-20	Tert-Butyl Methyl Ether		U	
MW-15A 11092022	L2263244-21	Tert-Butyl Methyl Ether		U	
TRIP BLANK	L2263244-22	Tert-Butyl Methyl Ether		U	
WG1714394-3	WG1714394-3	Tert-Butyl Methyl Ether	9.9		
WG1714394-4	WG1714394-4	Tert-Butyl Methyl Ether	9.8		
WG1714394-5	WG1714394-5	Tert-Butyl Methyl Ether		U	
WG1714765-3	WG1714765-3	Tert-Butyl Methyl Ether	9		
WG1714765-4	WG1714765-4	Tert-Butyl Methyl Ether	8.9		
WG1714765-5	WG1714765-5	Tert-Butyl Methyl Ether		U	
WG1714899-3	WG1714899-3	Tert-Butyl Methyl Ether	8		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714899-4	WG1714899-4	Tert-Butyl Methyl Ether	8		
WG1714899-5	WG1714899-5	Tert-Butyl Methyl Ether		U	
WG1714899-6	WG1714899-6	Tert-Butyl Methyl Ether	8		
WG1714899-7	WG1714899-7	Tert-Butyl Methyl Ether	8.6		
WG1714939-3	WG1714939-3	Tert-Butyl Methyl Ether	8.3		
WG1714939-4	WG1714939-4	Tert-Butyl Methyl Ether	8.4		
WG1714939-5	WG1714939-5	Tert-Butyl Methyl Ether		U	
WG1715252-3	WG1715252-3	Tert-Butyl Methyl Ether	8.1		
WG1715252-4	WG1715252-4	Tert-Butyl Methyl Ether	8		
WG1715252-5	WG1715252-5	Tert-Butyl Methyl Ether		U	
MW-8A 11082022	L2263244-01	Tetrachloroethylene (PCE)		U	
MW-08 11082022	L2263244-02	Tetrachloroethylene (PCE)		U	
MW-26 11082022	L2263244-03	Tetrachloroethylene (PCE)		U	
MW-26A 11082022	L2263244-04	Tetrachloroethylene (PCE)		U	UJ
MW-09 11082022	L2263244-05	Tetrachloroethylene (PCE)		U	UJ
MW-09A 11082022	L2263244-06	Tetrachloroethylene (PCE)		U	
MW-25A 11082022	L2263244-07	Tetrachloroethylene (PCE)		U	UJ
MW-10 11082022	L2263244-08	Tetrachloroethylene (PCE)		U	
MW-06 11082022	L2263244-09	Tetrachloroethylene (PCE)		U	
MW-20A 11082022	L2263244-10	Tetrachloroethylene (PCE)		U	
MW-7A 11092022	L2263244-11	Tetrachloroethylene (PCE)		U	
MW-7 11092022	L2263244-12	Tetrachloroethylene (PCE)		U	
MW-19A 11092022	L2263244-13	Tetrachloroethylene (PCE)		U	
MW-19AR 11092022	L2263244-14	Tetrachloroethylene (PCE)		U	
MW-21A 11092022	L2263244-15	Tetrachloroethylene (PCE)		U	R
DUP-01 11092022	L2263244-16	Tetrachloroethylene (PCE)		U	R
MW-5R 11092022	L2263244-17	Tetrachloroethylene (PCE)	1.8	J	
MW-5AR 11092022	L2263244-18	Tetrachloroethylene (PCE)	7.7		
MW-13A 11092022	L2263244-19	Tetrachloroethylene (PCE)		U	
MW-11 11092022	L2263244-20	Tetrachloroethylene (PCE)		U	
MW-15A 11092022	L2263244-21	Tetrachloroethylene (PCE)	0.57		
TRIP BLANK	L2263244-22	Tetrachloroethylene (PCE)		U	
WG1714394-3	WG1714394-3	Tetrachloroethylene (PCE)	12		
WG1714394-4	WG1714394-4	Tetrachloroethylene (PCE)	11		
WG1714394-5	WG1714394-5	Tetrachloroethylene (PCE)		U	
WG1714765-3	WG1714765-3	Tetrachloroethylene (PCE)	9		
WG1714765-4	WG1714765-4	Tetrachloroethylene (PCE)	8.8		
WG1714765-5	WG1714765-5	Tetrachloroethylene (PCE)		U	
WG1714899-3	WG1714899-3	Tetrachloroethylene (PCE)	8.7		
WG1714899-4	WG1714899-4	Tetrachloroethylene (PCE)	8.6		
WG1714899-5	WG1714899-5	Tetrachloroethylene (PCE)		U	
WG1714899-6	WG1714899-6	Tetrachloroethylene (PCE)	8.7		
WG1714899-7	WG1714899-7	Tetrachloroethylene (PCE)	9.5		
WG1714939-3	WG1714939-3	Tetrachloroethylene (PCE)	11		
WG1714939-4	WG1714939-4	Tetrachloroethylene (PCE)	11		
WG1714939-5	WG1714939-5	Tetrachloroethylene (PCE)		U	
WG1715252-3	WG1715252-3	Tetrachloroethylene (PCE)	8.3		
WG1715252-4	WG1715252-4	Tetrachloroethylene (PCE)	9.5		
WG1715252-5	WG1715252-5	Tetrachloroethylene (PCE)		U	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-8A 11082022	L2263244-01	Toluene		U	
MW-08 11082022	L2263244-02	Toluene		U	
MW-26 11082022	L2263244-03	Toluene		U	
MW-26A 11082022	L2263244-04	Toluene		U	UJ
MW-09 11082022	L2263244-05	Toluene		U	UJ
MW-09A 11082022	L2263244-06	Toluene		U	
MW-25A 11082022	L2263244-07	Toluene		U	UJ
MW-10 11082022	L2263244-08	Toluene		U	
MW-06 11082022	L2263244-09	Toluene		U	
MW-20A 11082022	L2263244-10	Toluene		U	
MW-7A 11092022	L2263244-11	Toluene		U	
MW-7 11092022	L2263244-12	Toluene		U	
MW-19A 11092022	L2263244-13	Toluene		U	
MW-19AR 11092022	L2263244-14	Toluene		U	
MW-21A 11092022	L2263244-15	Toluene		U	R
DUP-01 11092022	L2263244-16	Toluene		U	R
MW-5R 11092022	L2263244-17	Toluene		U	
MW-5AR 11092022	L2263244-18	Toluene	9.8	J	
MW-13A 11092022	L2263244-19	Toluene		U	
MW-11 11092022	L2263244-20	Toluene		U	
MW-15A 11092022	L2263244-21	Toluene		U	
TRIP BLANK	L2263244-22	Toluene		U	
WG1714394-3	WG1714394-3	Toluene	11		
WG1714394-4	WG1714394-4	Toluene	9.9		
WG1714394-5	WG1714394-5	Toluene		U	
WG1714765-3	WG1714765-3	Toluene	9.7		
WG1714765-4	WG1714765-4	Toluene	9.2		
WG1714765-5	WG1714765-5	Toluene		U	
WG1714899-3	WG1714899-3	Toluene	9.1		
WG1714899-4	WG1714899-4	Toluene	9		
WG1714899-5	WG1714899-5	Toluene		U	
WG1714899-6	WG1714899-6	Toluene	8.9		
WG1714899-7	WG1714899-7	Toluene	9.8		
WG1714939-3	WG1714939-3	Toluene	12		
WG1714939-4	WG1714939-4	Toluene	11		
WG1714939-5	WG1714939-5	Toluene		U	
WG1715252-3	WG1715252-3	Toluene	8.9		
WG1715252-4	WG1715252-4	Toluene	9.6		
WG1715252-5	WG1715252-5	Toluene		U	
MW-8A 11082022	L2263244-01	Toluene-D8	103		
MW-08 11082022	L2263244-02	Toluene-D8	103		
MW-26 11082022	L2263244-03	Toluene-D8	105		
MW-26A 11082022	L2263244-04	Toluene-D8	79		
MW-09 11082022	L2263244-05	Toluene-D8	79		
MW-09A 11082022	L2263244-06	Toluene-D8	93		
MW-25A 11082022	L2263244-07	Toluene-D8	79		
MW-10 11082022	L2263244-08	Toluene-D8	103		
MW-06 11082022	L2263244-09	Toluene-D8	103		
MW-20A 11082022	L2263244-10	Toluene-D8	96		

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-7A 11092022	L2263244-11	Toluene-D8	100		
MW-7 11092022	L2263244-12	Toluene-D8	99		
MW-19A 11092022	L2263244-13	Toluene-D8	102		
MW-19AR 11092022	L2263244-14	Toluene-D8	100		
MW-21A 11092022	L2263244-15	Toluene-D8	97		
DUP-01 11092022	L2263244-16	Toluene-D8	102		
MW-5R 11092022	L2263244-17	Toluene-D8	102		
MW-5AR 11092022	L2263244-18	Toluene-D8	102		
MW-13A 11092022	L2263244-19	Toluene-D8	97		
MW-11 11092022	L2263244-20	Toluene-D8	101		
MW-15A 11092022	L2263244-21	Toluene-D8	99		
TRIP BLANK	L2263244-22	Toluene-D8	101		
WG1714394-3	WG1714394-3	Toluene-D8	102		
WG1714394-4	WG1714394-4	Toluene-D8	103		
WG1714394-5	WG1714394-5	Toluene-D8	103		
WG1714765-3	WG1714765-3	Toluene-D8	99		
WG1714765-4	WG1714765-4	Toluene-D8	98		
WG1714765-5	WG1714765-5	Toluene-D8	97		
WG1714899-3	WG1714899-3	Toluene-D8	102		
WG1714899-4	WG1714899-4	Toluene-D8	101		
WG1714899-5	WG1714899-5	Toluene-D8	103		
WG1714899-6	WG1714899-6	Toluene-D8	101		
WG1714899-7	WG1714899-7	Toluene-D8	101		
WG1714939-3	WG1714939-3	Toluene-D8	101		
WG1714939-4	WG1714939-4	Toluene-D8	101		
WG1714939-5	WG1714939-5	Toluene-D8	94		
WG1715252-3	WG1715252-3	Toluene-D8	100		
WG1715252-4	WG1715252-4	Toluene-D8	103		
WG1715252-5	WG1715252-5	Toluene-D8	99		
MW-8A 11082022	L2263244-01	Trans-1,2-Dichloroethene		U	
MW-08 11082022	L2263244-02	Trans-1,2-Dichloroethene		U	
MW-26 11082022	L2263244-03	Trans-1,2-Dichloroethene		U	
MW-26A 11082022	L2263244-04	Trans-1,2-Dichloroethene		U	
MW-09 11082022	L2263244-05	Trans-1,2-Dichloroethene		U	
MW-09A 11082022	L2263244-06	Trans-1,2-Dichloroethene		U	UJ
MW-25A 11082022	L2263244-07	Trans-1,2-Dichloroethene		U	
MW-10 11082022	L2263244-08	Trans-1,2-Dichloroethene		U	
MW-06 11082022	L2263244-09	Trans-1,2-Dichloroethene		U	
MW-20A 11082022	L2263244-10	Trans-1,2-Dichloroethene	7.7	J	
MW-7A 11092022	L2263244-11	Trans-1,2-Dichloroethene		U	
MW-7 11092022	L2263244-12	Trans-1,2-Dichloroethene		U	
MW-19A 11092022	L2263244-13	Trans-1,2-Dichloroethene	5.6		
MW-19AR 11092022	L2263244-14	Trans-1,2-Dichloroethene	40	J	
MW-21A 11092022	L2263244-15	Trans-1,2-Dichloroethene	9.3		J
DUP-01 11092022	L2263244-16	Trans-1,2-Dichloroethene	11		J
MW-5R 11092022	L2263244-17	Trans-1,2-Dichloroethene	20		
MW-5AR 11092022	L2263244-18	Trans-1,2-Dichloroethene	9.8	J	
MW-13A 11092022	L2263244-19	Trans-1,2-Dichloroethene	68	J	
MW-11 11092022	L2263244-20	Trans-1,2-Dichloroethene	2.4	J	

System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-15A 11092022	L2263244-21	Trans-1,2-Dichloroethene		U	
TRIP BLANK	L2263244-22	Trans-1,2-Dichloroethene		U	
WG1714394-3	WG1714394-3	Trans-1,2-Dichloroethene	11		
WG1714394-4	WG1714394-4	Trans-1,2-Dichloroethene	10		
WG1714394-5	WG1714394-5	Trans-1,2-Dichloroethene		U	
WG1714765-3	WG1714765-3	Trans-1,2-Dichloroethene	10		
WG1714765-4	WG1714765-4	Trans-1,2-Dichloroethene	9.7		
WG1714765-5	WG1714765-5	Trans-1,2-Dichloroethene		U	
WG1714899-3	WG1714899-3	Trans-1,2-Dichloroethene	9.4		
WG1714899-4	WG1714899-4	Trans-1,2-Dichloroethene	8.9		
WG1714899-5	WG1714899-5	Trans-1,2-Dichloroethene		U	
WG1714899-6	WG1714899-6	Trans-1,2-Dichloroethene	15		
WG1714899-7	WG1714899-7	Trans-1,2-Dichloroethene	15		
WG1714939-3	WG1714939-3	Trans-1,2-Dichloroethene	12		J
WG1714939-4	WG1714939-4	Trans-1,2-Dichloroethene	11		J
WG1714939-5	WG1714939-5	Trans-1,2-Dichloroethene		U	UJ
WG1715252-3	WG1715252-3	Trans-1,2-Dichloroethene	9		
WG1715252-4	WG1715252-4	Trans-1,2-Dichloroethene	9.6		
WG1715252-5	WG1715252-5	Trans-1,2-Dichloroethene		U	
MW-8A 11082022	L2263244-01	Trans-1,3-Dichloropropene		U	
MW-08 11082022	L2263244-02	Trans-1,3-Dichloropropene		U	
MW-26 11082022	L2263244-03	Trans-1,3-Dichloropropene		U	
MW-26A 11082022	L2263244-04	Trans-1,3-Dichloropropene		U	UJ
MW-09 11082022	L2263244-05	Trans-1,3-Dichloropropene		U	UJ
MW-09A 11082022	L2263244-06	Trans-1,3-Dichloropropene		U	
MW-25A 11082022	L2263244-07	Trans-1,3-Dichloropropene		U	UJ
MW-10 11082022	L2263244-08	Trans-1,3-Dichloropropene		U	
MW-06 11082022	L2263244-09	Trans-1,3-Dichloropropene		U	
MW-20A 11082022	L2263244-10	Trans-1,3-Dichloropropene		U	
MW-7A 11092022	L2263244-11	Trans-1,3-Dichloropropene		U	
MW-7 11092022	L2263244-12	Trans-1,3-Dichloropropene		U	
MW-19A 11092022	L2263244-13	Trans-1,3-Dichloropropene		U	
MW-19AR 11092022	L2263244-14	Trans-1,3-Dichloropropene		U	
MW-21A 11092022	L2263244-15	Trans-1,3-Dichloropropene		U	R
DUP-01 11092022	L2263244-16	Trans-1,3-Dichloropropene		U	R
MW-5R 11092022	L2263244-17	Trans-1,3-Dichloropropene		U	
MW-5AR 11092022	L2263244-18	Trans-1,3-Dichloropropene		U	
MW-13A 11092022	L2263244-19	Trans-1,3-Dichloropropene		U	
MW-11 11092022	L2263244-20	Trans-1,3-Dichloropropene		U	
MW-15A 11092022	L2263244-21	Trans-1,3-Dichloropropene		U	
TRIP BLANK	L2263244-22	Trans-1,3-Dichloropropene		U	
WG1714394-3	WG1714394-3	Trans-1,3-Dichloropropene	10		
WG1714394-4	WG1714394-4	Trans-1,3-Dichloropropene	10		
WG1714394-5	WG1714394-5	Trans-1,3-Dichloropropene		U	
WG1714765-3	WG1714765-3	Trans-1,3-Dichloropropene	9.1		
WG1714765-4	WG1714765-4	Trans-1,3-Dichloropropene	9.1		
WG1714765-5	WG1714765-5	Trans-1,3-Dichloropropene		U	
WG1714899-3	WG1714899-3	Trans-1,3-Dichloropropene	8.6		
WG1714899-4	WG1714899-4	Trans-1,3-Dichloropropene	8.6		

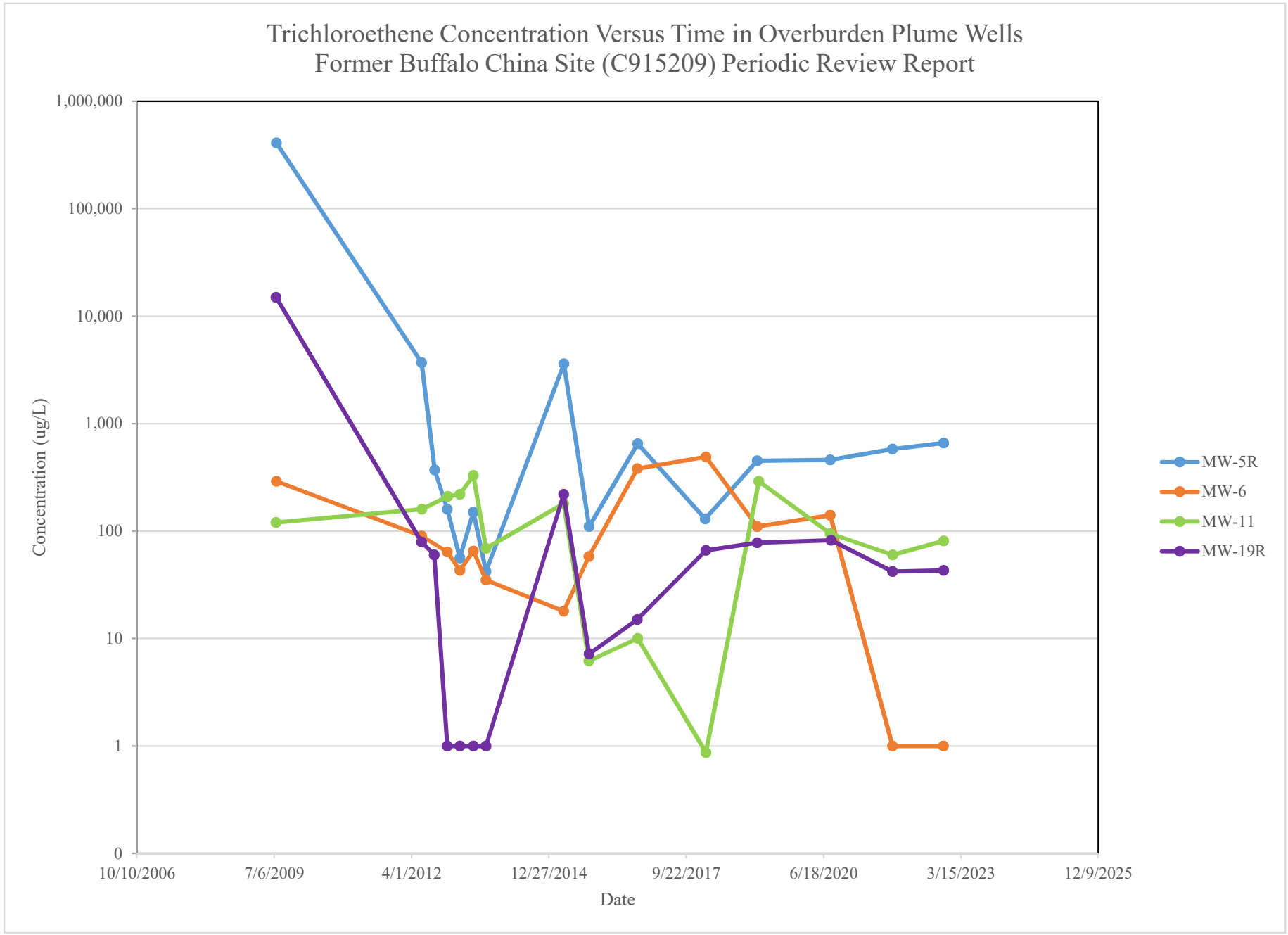
System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
WG1714899-5	WG1714899-5	Trans-1,3-Dichloropropene		U	
WG1714899-6	WG1714899-6	Trans-1,3-Dichloropropene	8.3		
WG1714899-7	WG1714899-7	Trans-1,3-Dichloropropene	8.8		
WG1714939-3	WG1714939-3	Trans-1,3-Dichloropropene	9		
WG1714939-4	WG1714939-4	Trans-1,3-Dichloropropene	8.4		
WG1714939-5	WG1714939-5	Trans-1,3-Dichloropropene		U	
WG1715252-3	WG1715252-3	Trans-1,3-Dichloropropene	8.6		
WG1715252-4	WG1715252-4	Trans-1,3-Dichloropropene	9		
WG1715252-5	WG1715252-5	Trans-1,3-Dichloropropene		U	
MW-8A 11082022	L2263244-01	Trichloroethylene (TCE)		U	
MW-08 11082022	L2263244-02	Trichloroethylene (TCE)		U	
MW-26 11082022	L2263244-03	Trichloroethylene (TCE)		U	
MW-26A 11082022	L2263244-04	Trichloroethylene (TCE)		U	UJ
MW-09 11082022	L2263244-05	Trichloroethylene (TCE)		U	UJ
MW-09A 11082022	L2263244-06	Trichloroethylene (TCE)		U	UJ
MW-25A 11082022	L2263244-07	Trichloroethylene (TCE)		U	UJ
MW-10 11082022	L2263244-08	Trichloroethylene (TCE)		U	
MW-06 11082022	L2263244-09	Trichloroethylene (TCE)		U	
MW-20A 11082022	L2263244-10	Trichloroethylene (TCE)		U	
MW-7A 11092022	L2263244-11	Trichloroethylene (TCE)		U	
MW-7 11092022	L2263244-12	Trichloroethylene (TCE)		U	
MW-19A 11092022	L2263244-13	Trichloroethylene (TCE)	43		
MW-19AR 11092022	L2263244-14	Trichloroethylene (TCE)	250		
MW-21A 11092022	L2263244-15	Trichloroethylene (TCE)	0.7	J	J
DUP-01 11092022	L2263244-16	Trichloroethylene (TCE)	0.38	J	J
MW-5R 11092022	L2263244-17	Trichloroethylene (TCE)	660		
MW-5AR 11092022	L2263244-18	Trichloroethylene (TCE)	1600		
MW-13A 11092022	L2263244-19	Trichloroethylene (TCE)	650		
MW-11 11092022	L2263244-20	Trichloroethylene (TCE)	81		
MW-15A 11092022	L2263244-21	Trichloroethylene (TCE)	4		
TRIP BLANK	L2263244-22	Trichloroethylene (TCE)		U	
WG1714394-3	WG1714394-3	Trichloroethylene (TCE)	11		
WG1714394-4	WG1714394-4	Trichloroethylene (TCE)	9.7		
WG1714394-5	WG1714394-5	Trichloroethylene (TCE)		U	
WG1714765-3	WG1714765-3	Trichloroethylene (TCE)	9.5		
WG1714765-4	WG1714765-4	Trichloroethylene (TCE)	9.3		
WG1714765-5	WG1714765-5	Trichloroethylene (TCE)		U	
WG1714899-3	WG1714899-3	Trichloroethylene (TCE)	8.6		
WG1714899-4	WG1714899-4	Trichloroethylene (TCE)	8.8		
WG1714899-5	WG1714899-5	Trichloroethylene (TCE)		U	
WG1714899-6	WG1714899-6	Trichloroethylene (TCE)	58	Q	
WG1714899-7	WG1714899-7	Trichloroethylene (TCE)	55		
WG1714939-3	WG1714939-3	Trichloroethylene (TCE)	12		J
WG1714939-4	WG1714939-4	Trichloroethylene (TCE)	11		J
WG1714939-5	WG1714939-5	Trichloroethylene (TCE)		U	UJ
WG1715252-3	WG1715252-3	Trichloroethylene (TCE)	9		
WG1715252-4	WG1715252-4	Trichloroethylene (TCE)	9.4		
WG1715252-5	WG1715252-5	Trichloroethylene (TCE)		U	
MW-8A 11082022	L2263244-01	Trichlorofluoromethane		U	

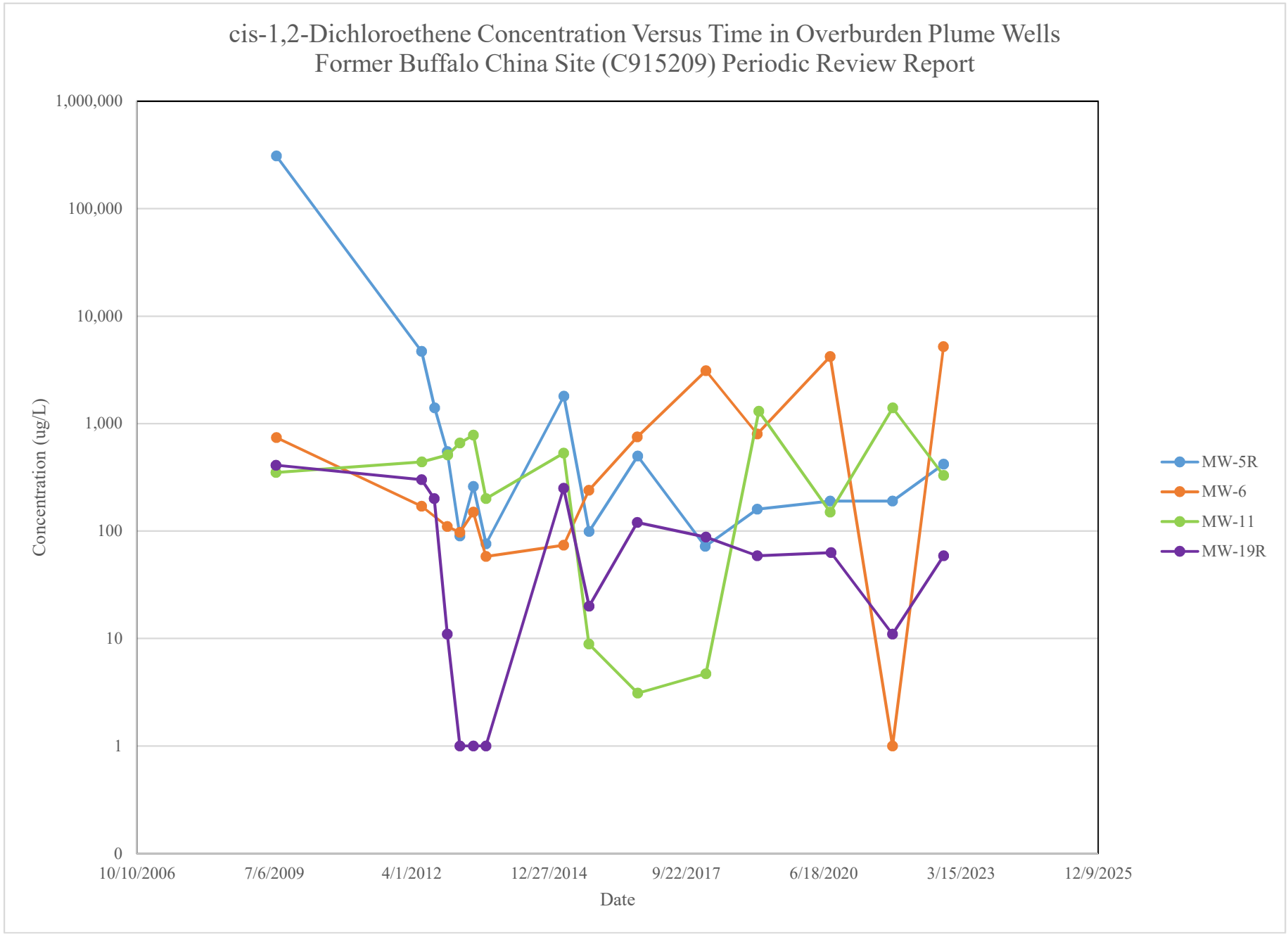
System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-08 11082022	L2263244-02	Trichlorofluoromethane		U	
MW-26 11082022	L2263244-03	Trichlorofluoromethane		U	
MW-26A 11082022	L2263244-04	Trichlorofluoromethane		U	
MW-09 11082022	L2263244-05	Trichlorofluoromethane		U	
MW-09A 11082022	L2263244-06	Trichlorofluoromethane		U	
MW-25A 11082022	L2263244-07	Trichlorofluoromethane		U	
MW-10 11082022	L2263244-08	Trichlorofluoromethane		U	
MW-06 11082022	L2263244-09	Trichlorofluoromethane		U	
MW-20A 11082022	L2263244-10	Trichlorofluoromethane		U	
MW-7A 11092022	L2263244-11	Trichlorofluoromethane		U	
MW-7 11092022	L2263244-12	Trichlorofluoromethane		U	
MW-19A 11092022	L2263244-13	Trichlorofluoromethane		U	
MW-19AR 11092022	L2263244-14	Trichlorofluoromethane		U	
MW-21A 11092022	L2263244-15	Trichlorofluoromethane		U	R
DUP-01 11092022	L2263244-16	Trichlorofluoromethane		U	R
MW-5R 11092022	L2263244-17	Trichlorofluoromethane		U	
MW-5AR 11092022	L2263244-18	Trichlorofluoromethane		U	
MW-13A 11092022	L2263244-19	Trichlorofluoromethane		U	
MW-11 11092022	L2263244-20	Trichlorofluoromethane		U	
MW-15A 11092022	L2263244-21	Trichlorofluoromethane		U	
TRIP BLANK	L2263244-22	Trichlorofluoromethane		U	
WG1714394-3	WG1714394-3	Trichlorofluoromethane	11		
WG1714394-4	WG1714394-4	Trichlorofluoromethane	9.8		
WG1714394-5	WG1714394-5	Trichlorofluoromethane		U	
WG1714765-3	WG1714765-3	Trichlorofluoromethane	9.8		
WG1714765-4	WG1714765-4	Trichlorofluoromethane	9.5		
WG1714765-5	WG1714765-5	Trichlorofluoromethane		U	
WG1714899-3	WG1714899-3	Trichlorofluoromethane	10		
WG1714899-4	WG1714899-4	Trichlorofluoromethane	10		
WG1714899-5	WG1714899-5	Trichlorofluoromethane		U	
WG1714899-6	WG1714899-6	Trichlorofluoromethane	11		
WG1714899-7	WG1714899-7	Trichlorofluoromethane	12		
WG1714939-3	WG1714939-3	Trichlorofluoromethane	8.6		
WG1714939-4	WG1714939-4	Trichlorofluoromethane	8.1		
WG1714939-5	WG1714939-5	Trichlorofluoromethane		U	
WG1715252-3	WG1715252-3	Trichlorofluoromethane	10		
WG1715252-4	WG1715252-4	Trichlorofluoromethane	11		
WG1715252-5	WG1715252-5	Trichlorofluoromethane		U	
MW-8A 11082022	L2263244-01	Vinyl Chloride		U	
MW-08 11082022	L2263244-02	Vinyl Chloride		U	
MW-26 11082022	L2263244-03	Vinyl Chloride		U	
MW-26A 11082022	L2263244-04	Vinyl Chloride	1.3		
MW-09 11082022	L2263244-05	Vinyl Chloride		U	
MW-09A 11082022	L2263244-06	Vinyl Chloride		U	UJ
MW-25A 11082022	L2263244-07	Vinyl Chloride	0.07	J	
MW-10 11082022	L2263244-08	Vinyl Chloride		U	
MW-06 11082022	L2263244-09	Vinyl Chloride	320		
MW-20A 11082022	L2263244-10	Vinyl Chloride	300		
MW-7A 11092022	L2263244-11	Vinyl Chloride	71		

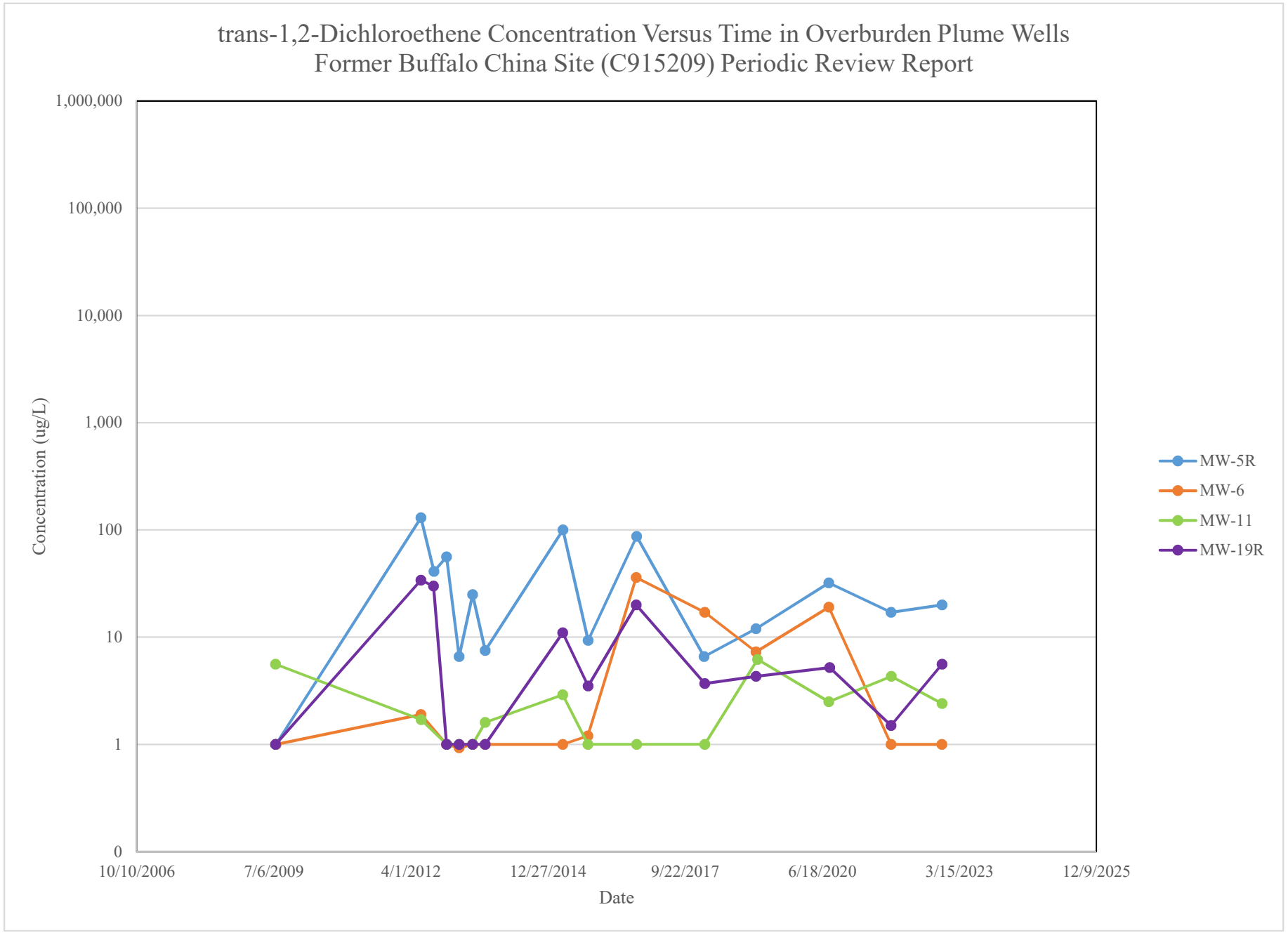
System Sample Code	Lab Sample ID	Chemical Name	Result Value	Lab Qualifiers	Validator Qualifiers
MW-7 11092022	L2263244-12	Vinyl Chloride		U	
MW-19A 11092022	L2263244-13	Vinyl Chloride	1.6		
MW-19AR 11092022	L2263244-14	Vinyl Chloride	170		
MW-21A 11092022	L2263244-15	Vinyl Chloride	170		J
DUP-01 11092022	L2263244-16	Vinyl Chloride	120		J
MW-5R 11092022	L2263244-17	Vinyl Chloride	1.4	J	
MW-5AR 11092022	L2263244-18	Vinyl Chloride	20		
MW-13A 11092022	L2263244-19	Vinyl Chloride	310		
MW-11 11092022	L2263244-20	Vinyl Chloride	7.9		
MW-15A 11092022	L2263244-21	Vinyl Chloride		U	
TRIP BLANK	L2263244-22	Vinyl Chloride		U	
WG1714394-3	WG1714394-3	Vinyl Chloride	10		
WG1714394-4	WG1714394-4	Vinyl Chloride	9		
WG1714394-5	WG1714394-5	Vinyl Chloride		U	
WG1714765-3	WG1714765-3	Vinyl Chloride	9.4		
WG1714765-4	WG1714765-4	Vinyl Chloride	9		
WG1714765-5	WG1714765-5	Vinyl Chloride		U	
WG1714899-3	WG1714899-3	Vinyl Chloride	10		
WG1714899-4	WG1714899-4	Vinyl Chloride	10		
WG1714899-5	WG1714899-5	Vinyl Chloride		U	
WG1714899-6	WG1714899-6	Vinyl Chloride	11		
WG1714899-7	WG1714899-7	Vinyl Chloride	12		
WG1714939-3	WG1714939-3	Vinyl Chloride	12		J
WG1714939-4	WG1714939-4	Vinyl Chloride	11		J
WG1714939-5	WG1714939-5	Vinyl Chloride		U	UJ
WG1715252-3	WG1715252-3	Vinyl Chloride	10		
WG1715252-4	WG1715252-4	Vinyl Chloride	11		
WG1715252-5	WG1715252-5	Vinyl Chloride		U	

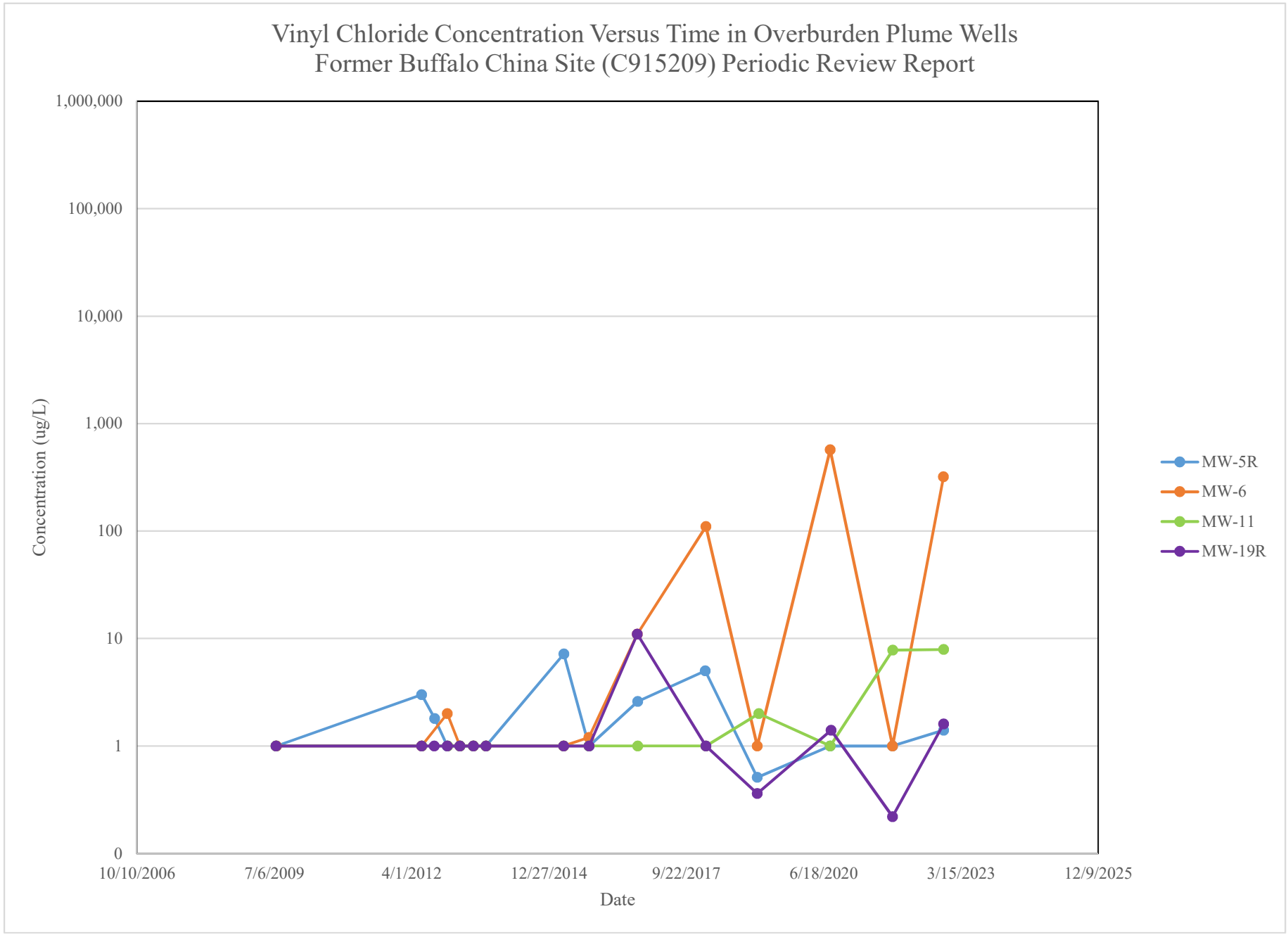
Appendix F
Concentration versus Time Plots for Contaminants of Concern

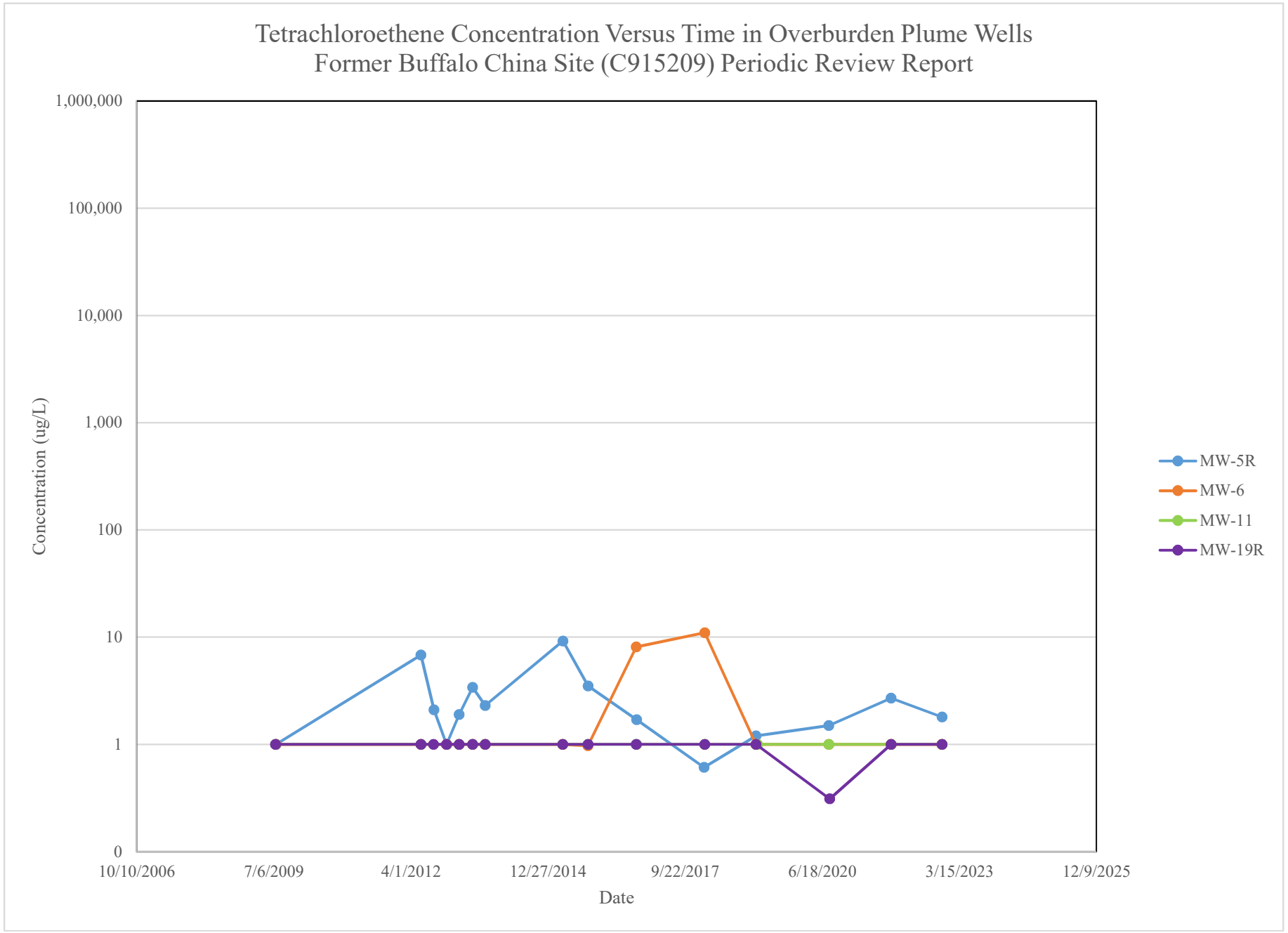
Appendix F – Overburden Concentration Versus Time Plots

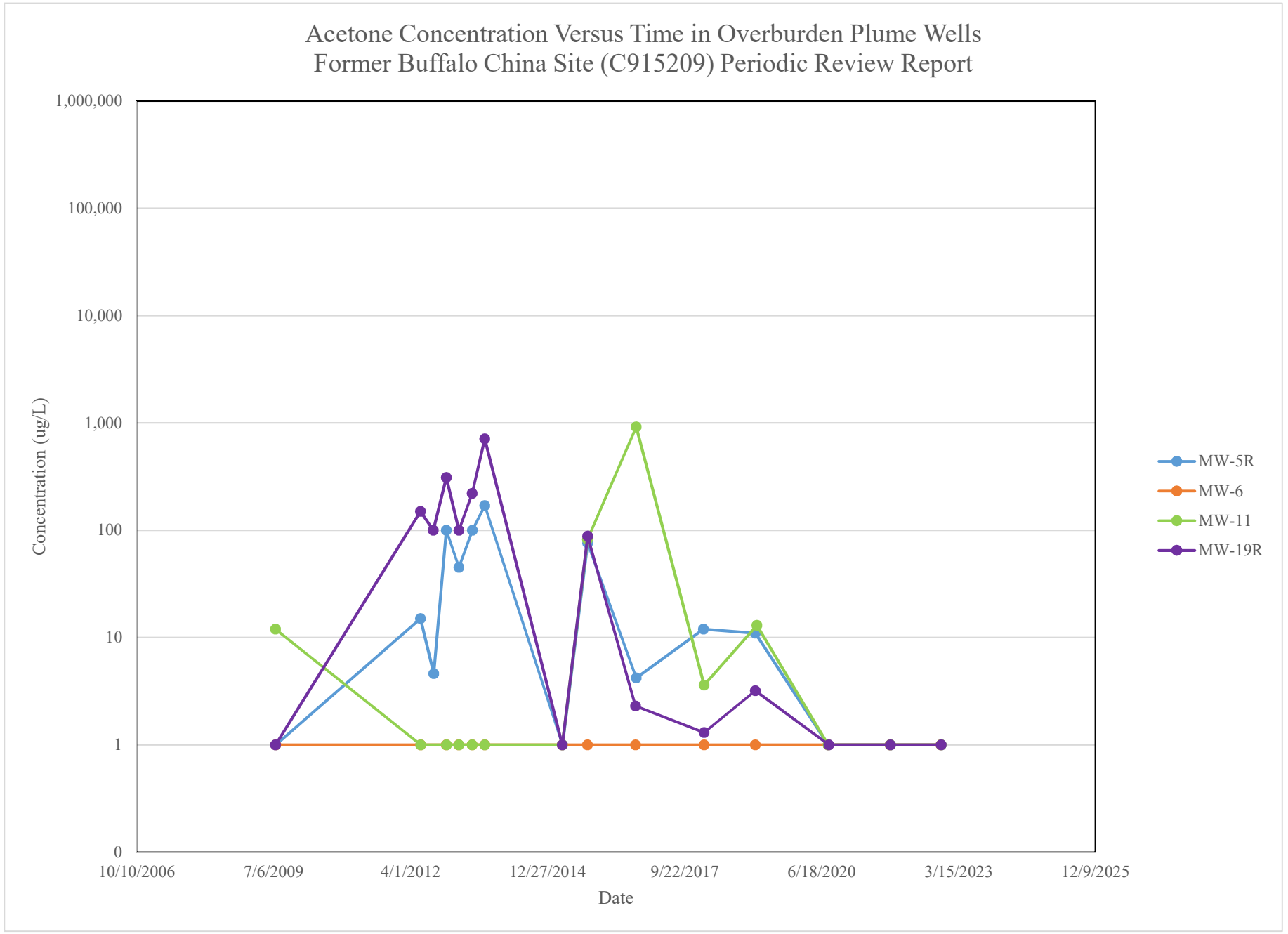

Trichloroethene Concentration Versus Time in Overburden Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5R
MW-6
MW-11
MW-19R


cis-1,2-Dichloroethene Concentration Versus Time in Overburden Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5R
MW-6
MW-11
MW-19R

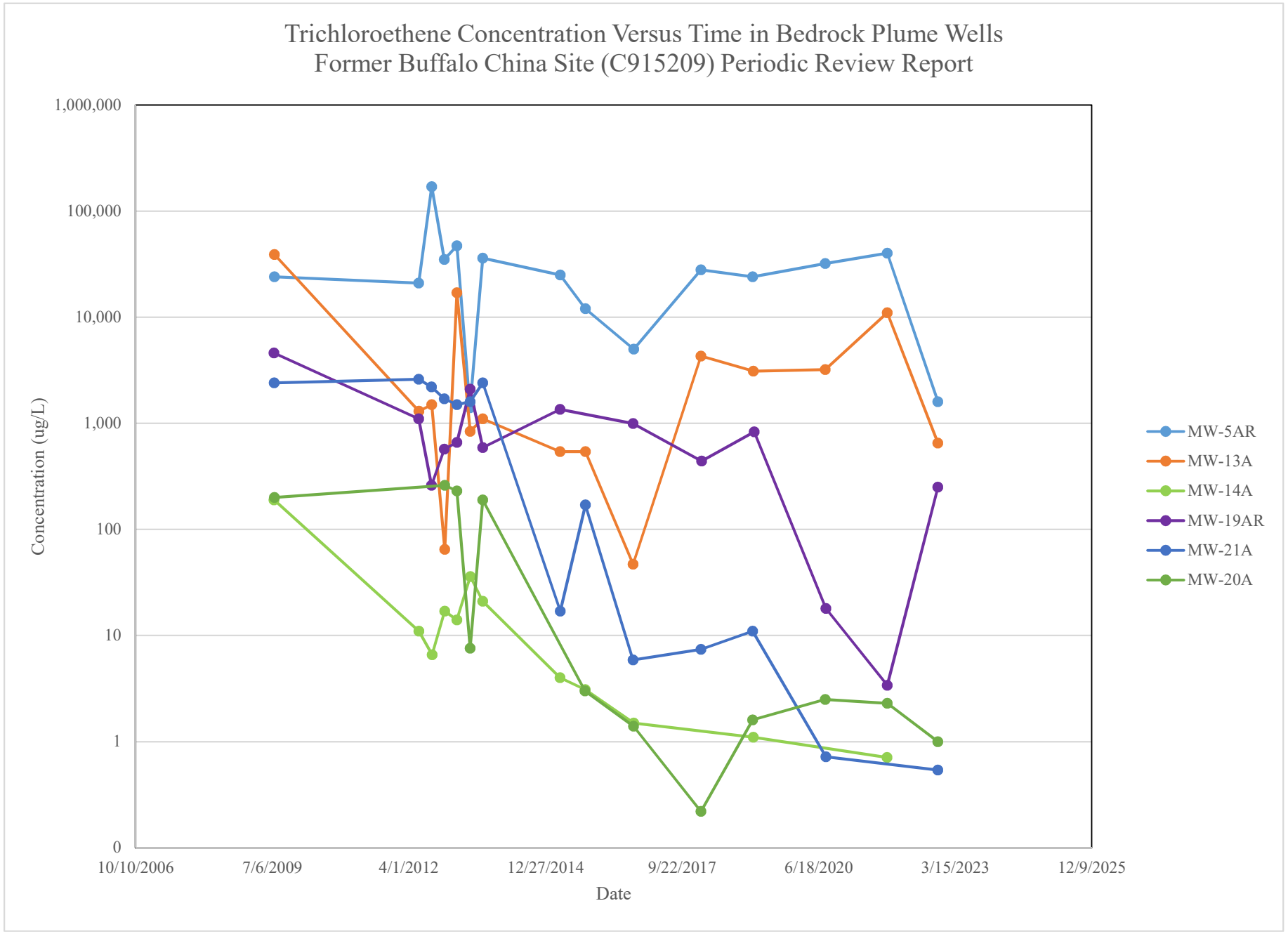

trans-1,2-Dichloroethene Concentration Versus Time in Overburden Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5R
MW-6
MW-11
MW-19R

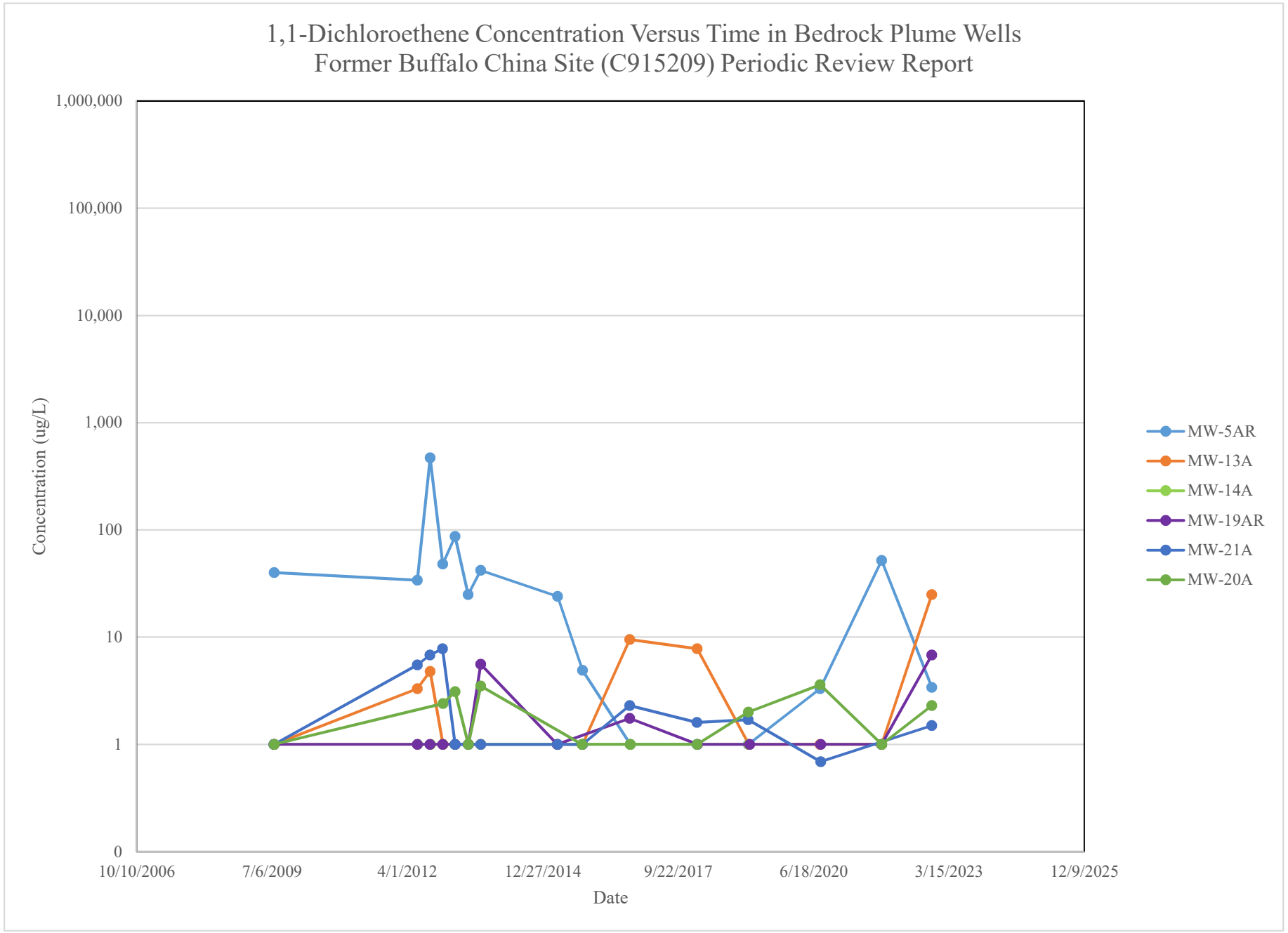

Vinyl Chloride Concentration Versus Time in Overburden Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5R
MW-6
MW-11
MW-19R

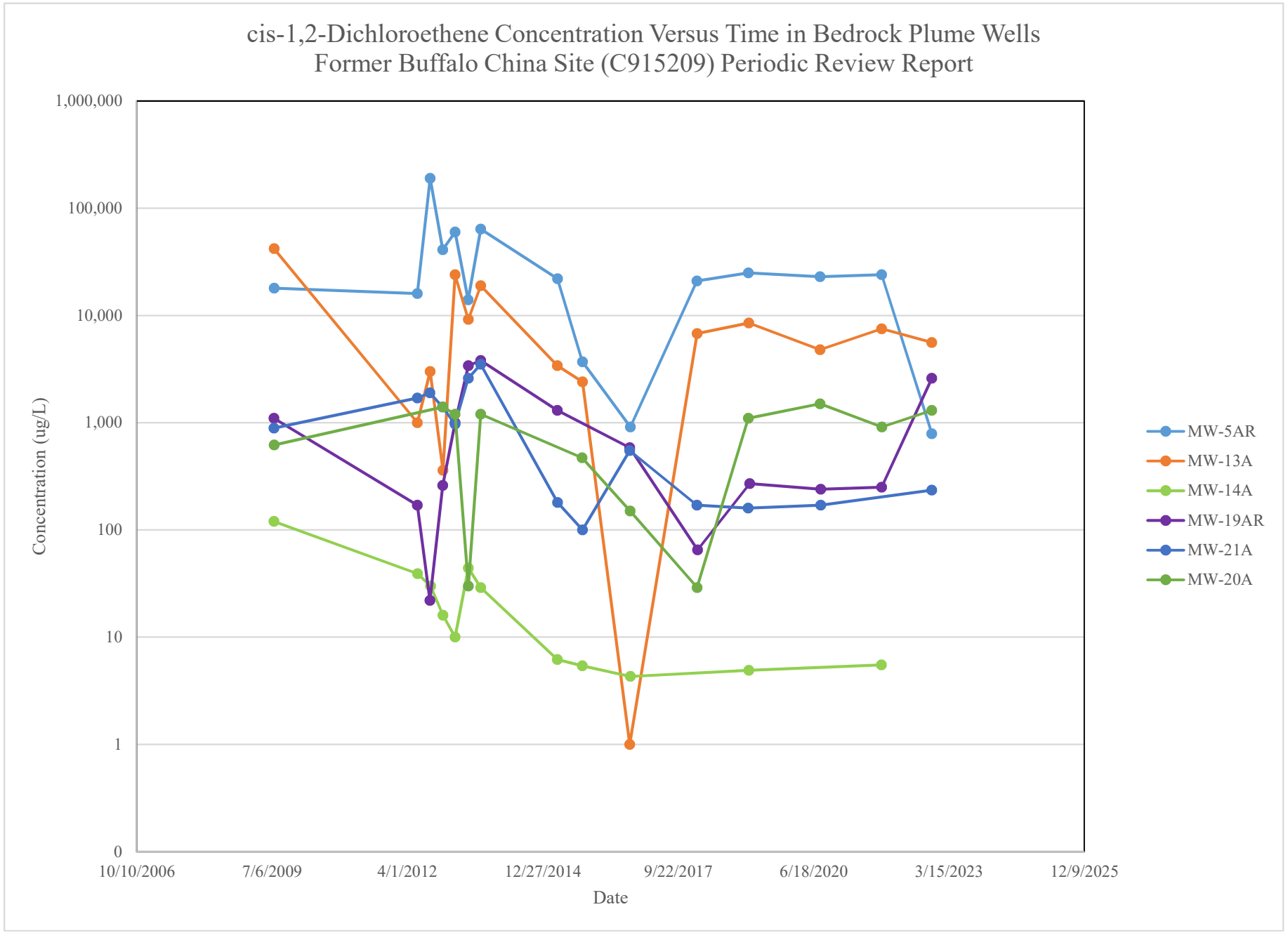

Tetrachloroethene Concentration Versus Time in Overburden Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5R
MW-6
MW-11
MW-19R

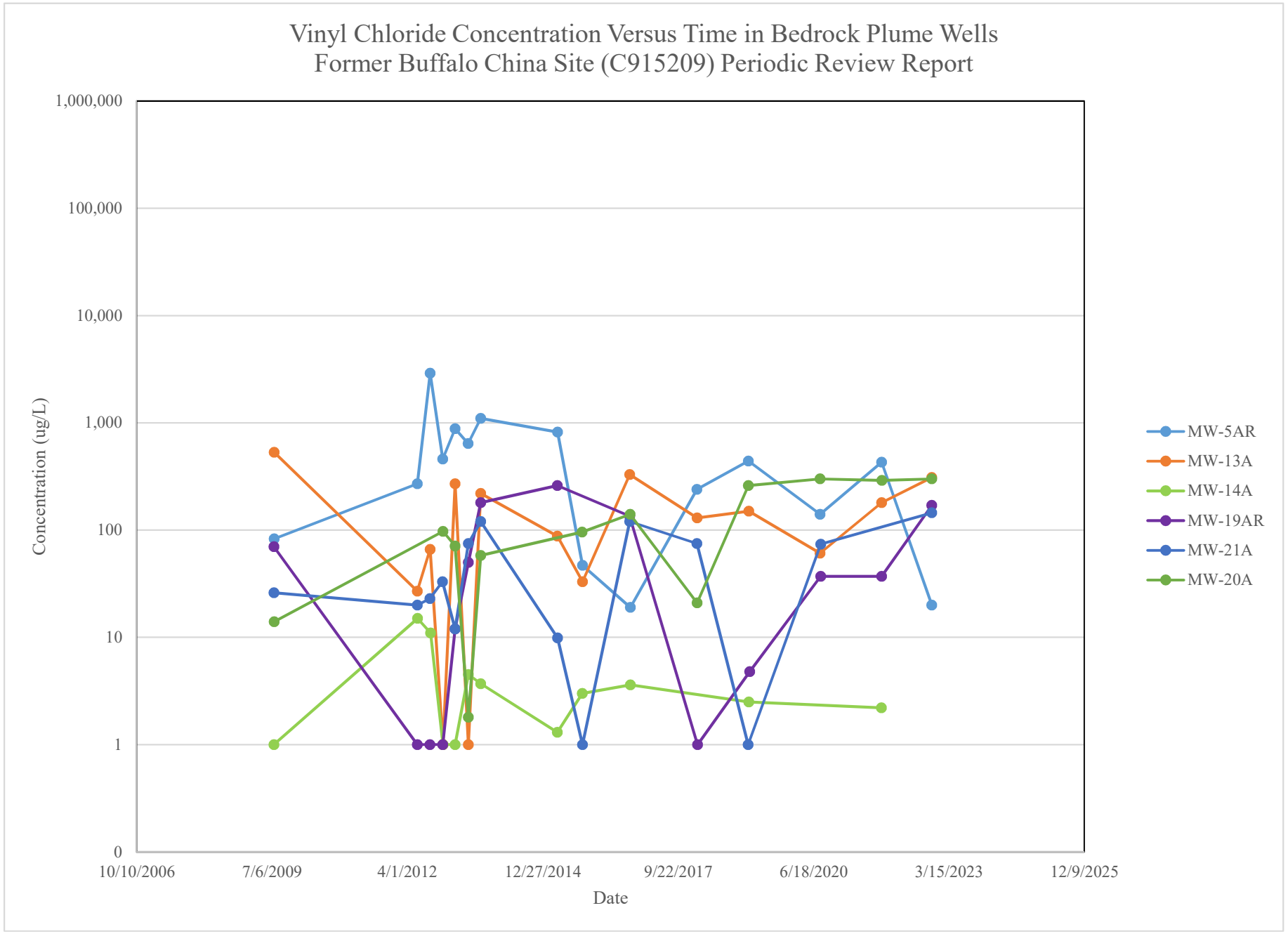

Acetone Concentration Versus Time in Overburden Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5R
MW-6
MW-11
MW-19R

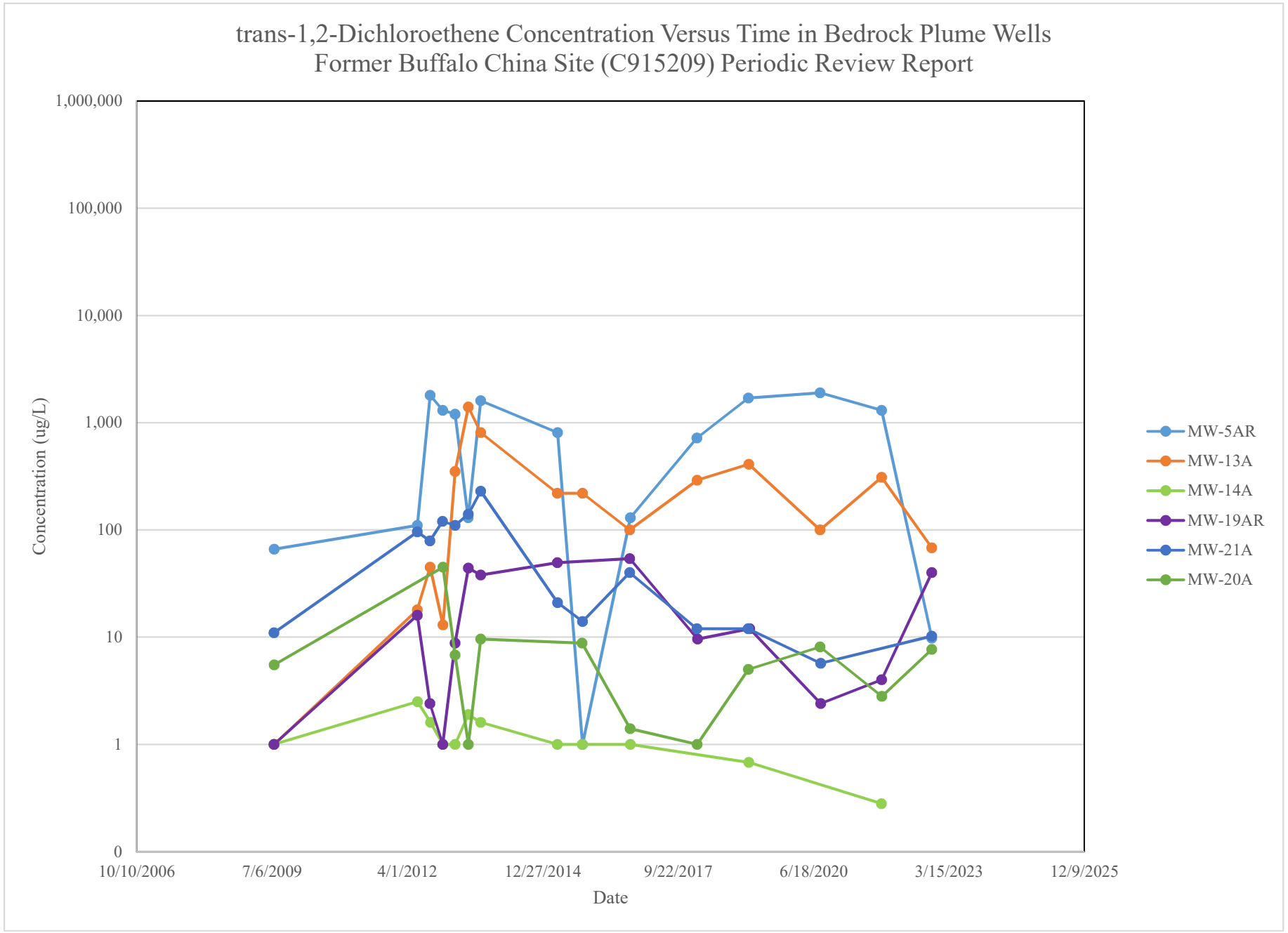
Appendix F – Bedrock Concentration Versus Time Plots

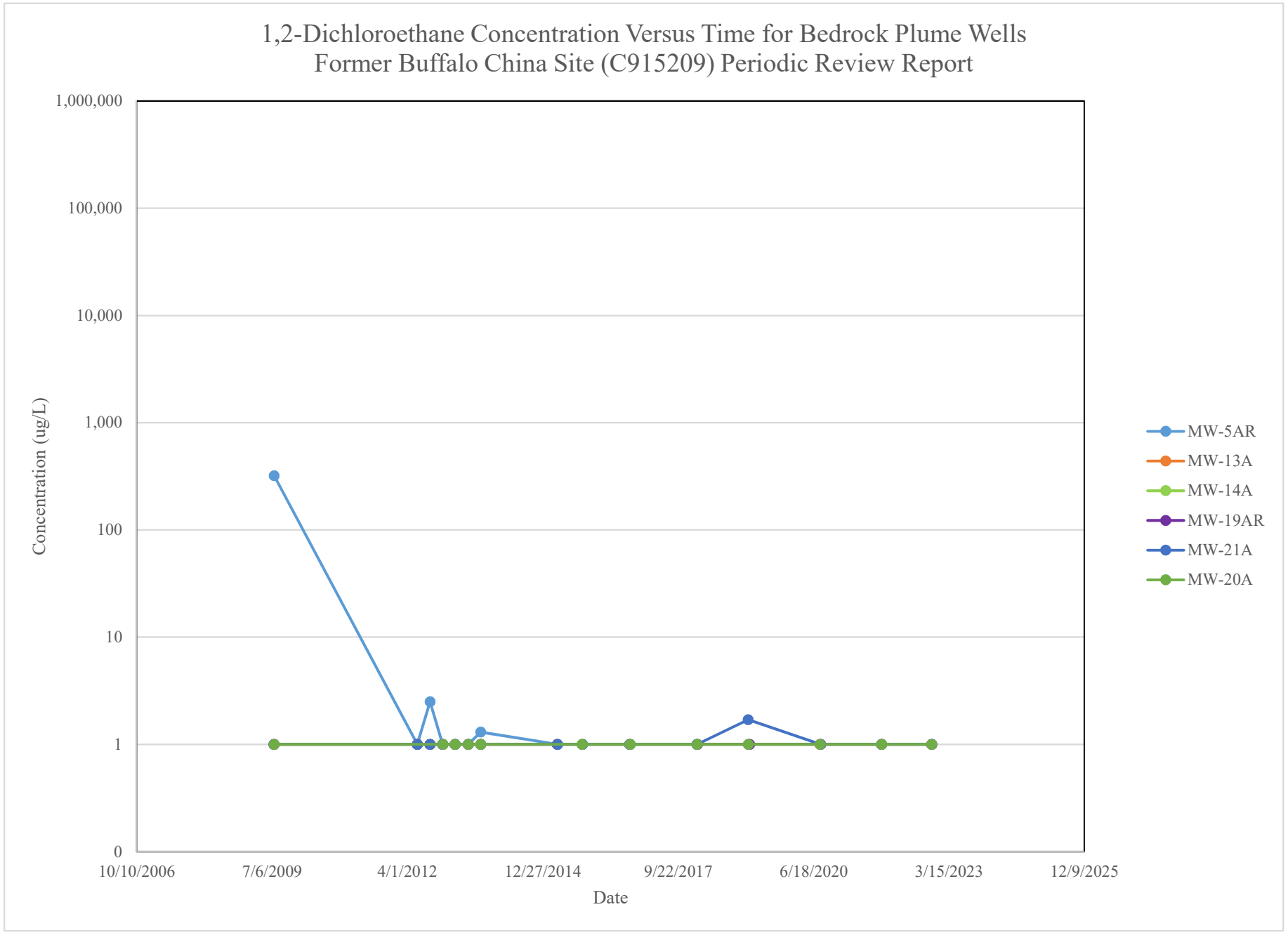

Trichloroethene Concentration Versus Time in Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
Concentration (ug/L)
1,000,000
100,000
10,000
1,000
100
10
1
0
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A

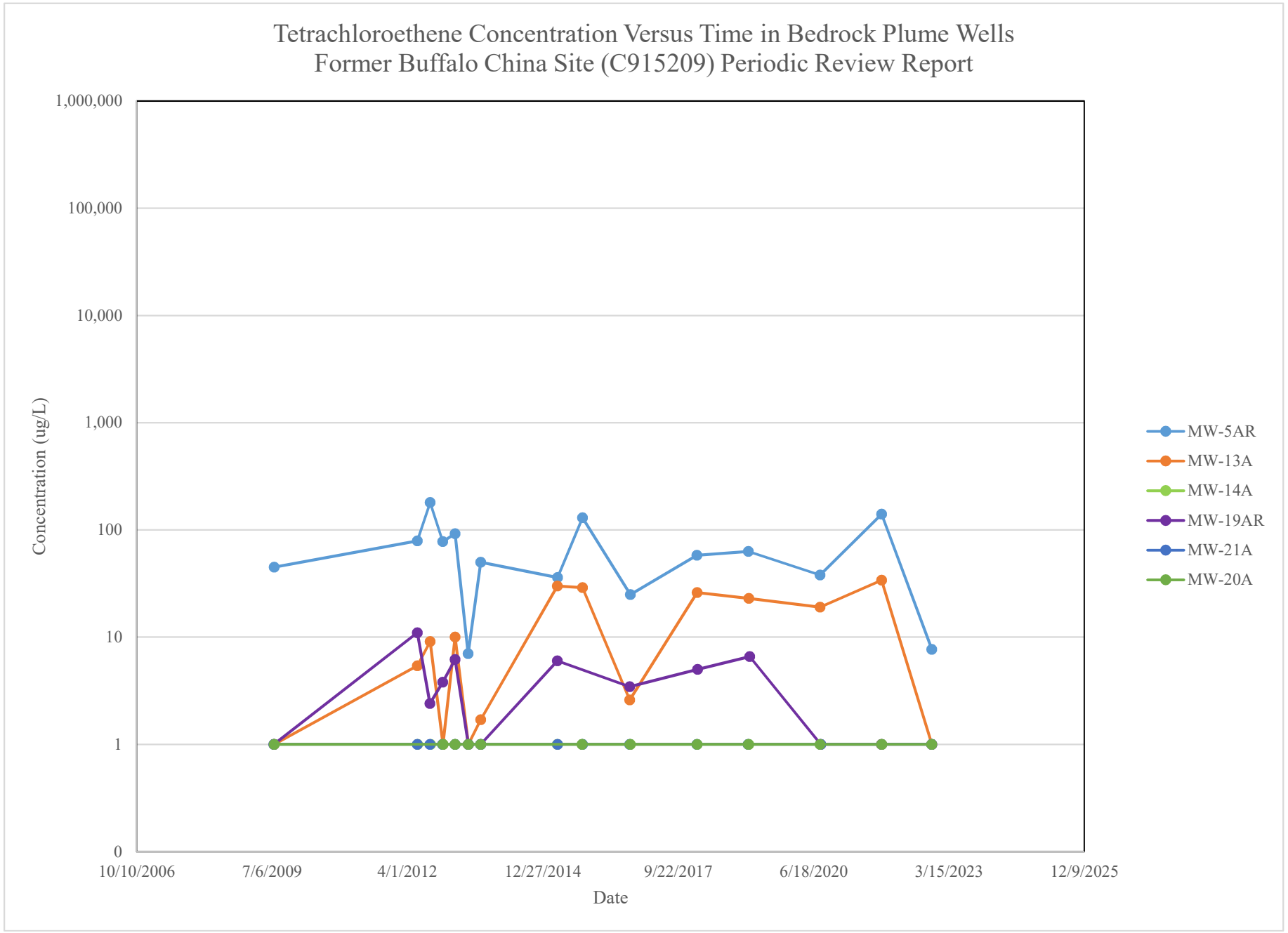

1,1-Dichloroethene Concentration Versus Time in Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A

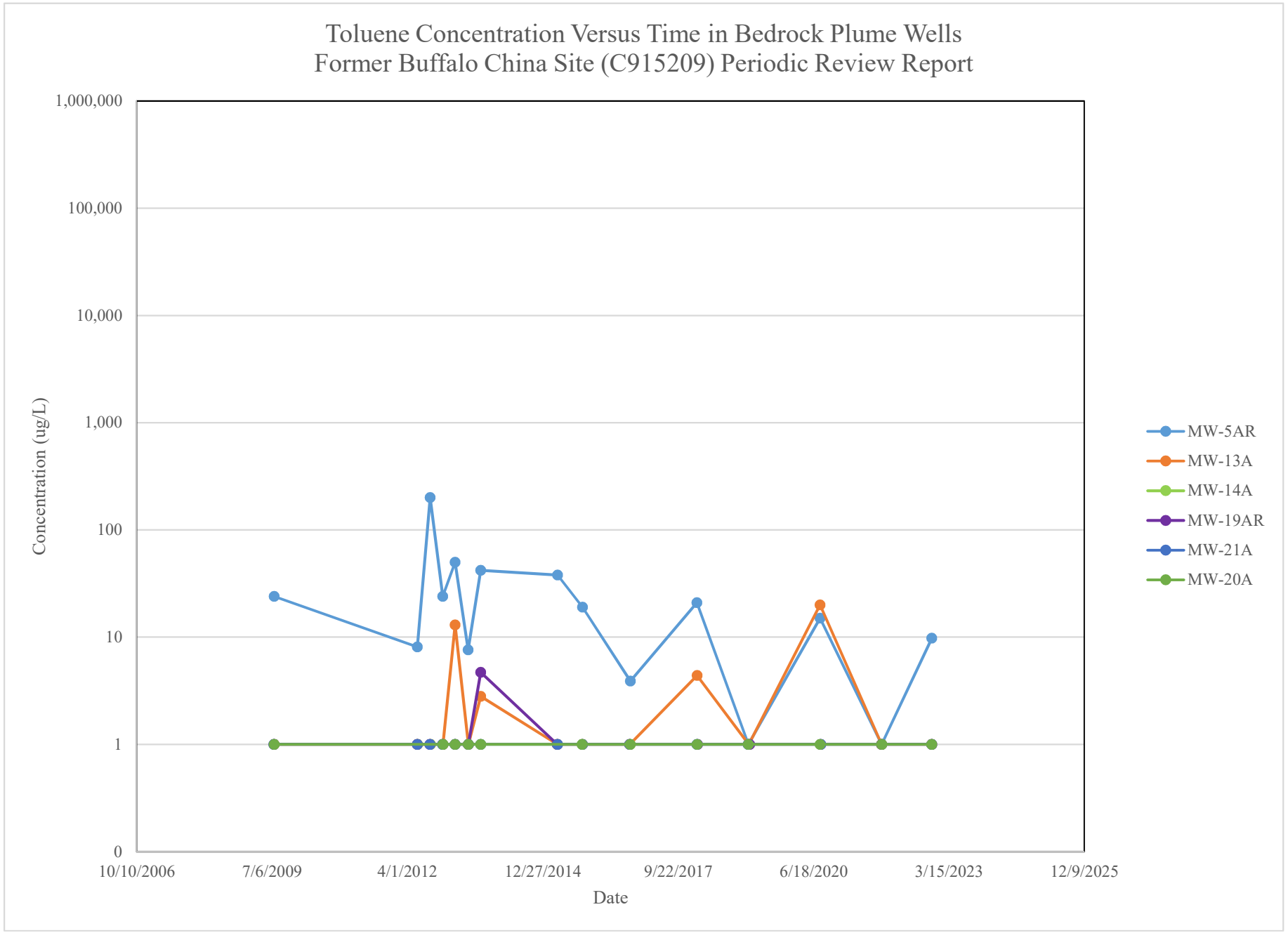

cis-1,2-Dichloroethene Concentration Versus Time in Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
Concentration (ug/L)
1,000,000
100,000
10,000
1,000
100
10
1
0
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A

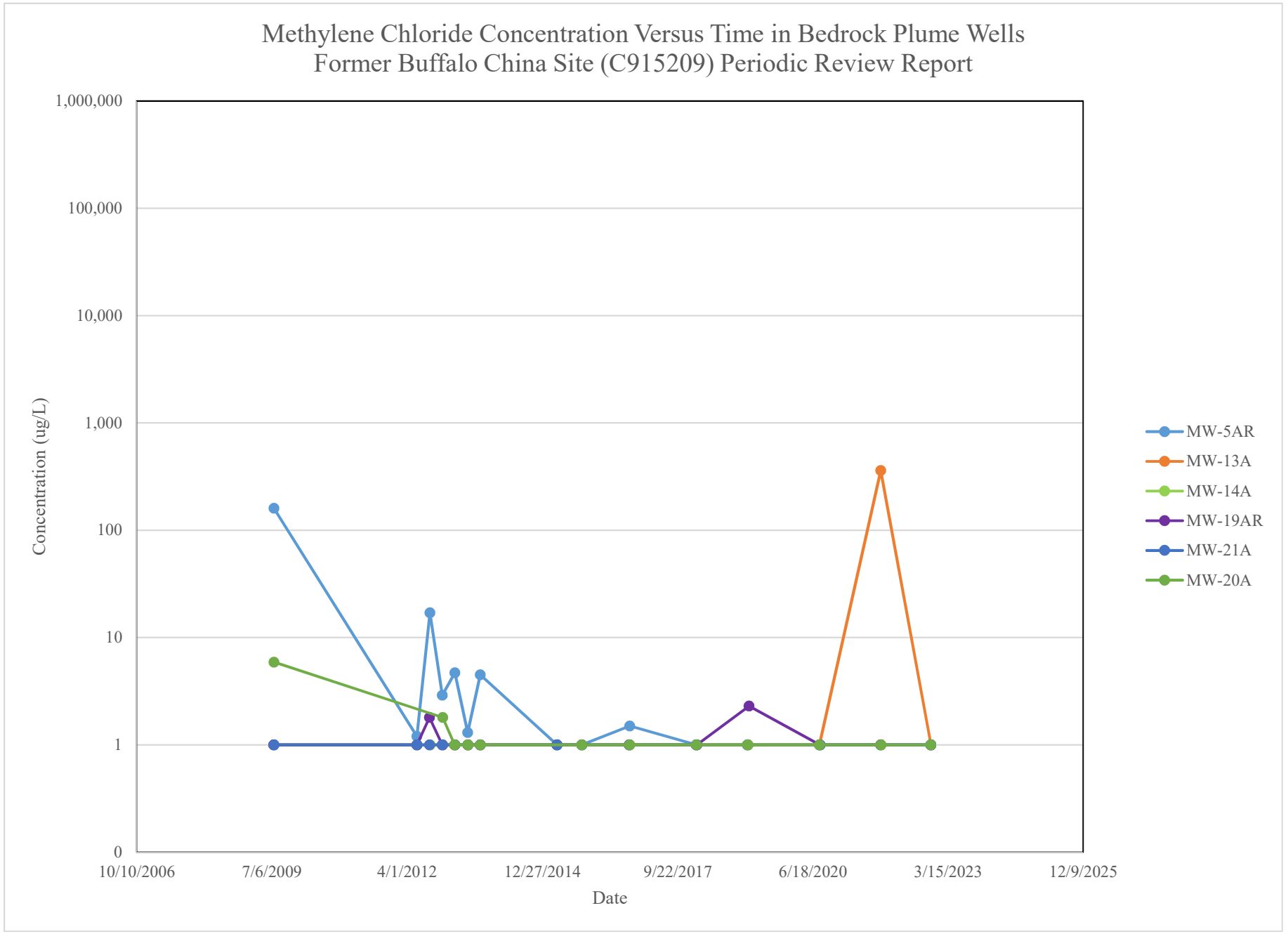

Vinyl Chloride Concentration Versus Time in Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A


trans-1,2-Dichloroethene Concentration Versus Time in Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
Concentration (ug/L)
1,000,000
100,000
10,000
1,000
100
10
1
0
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A

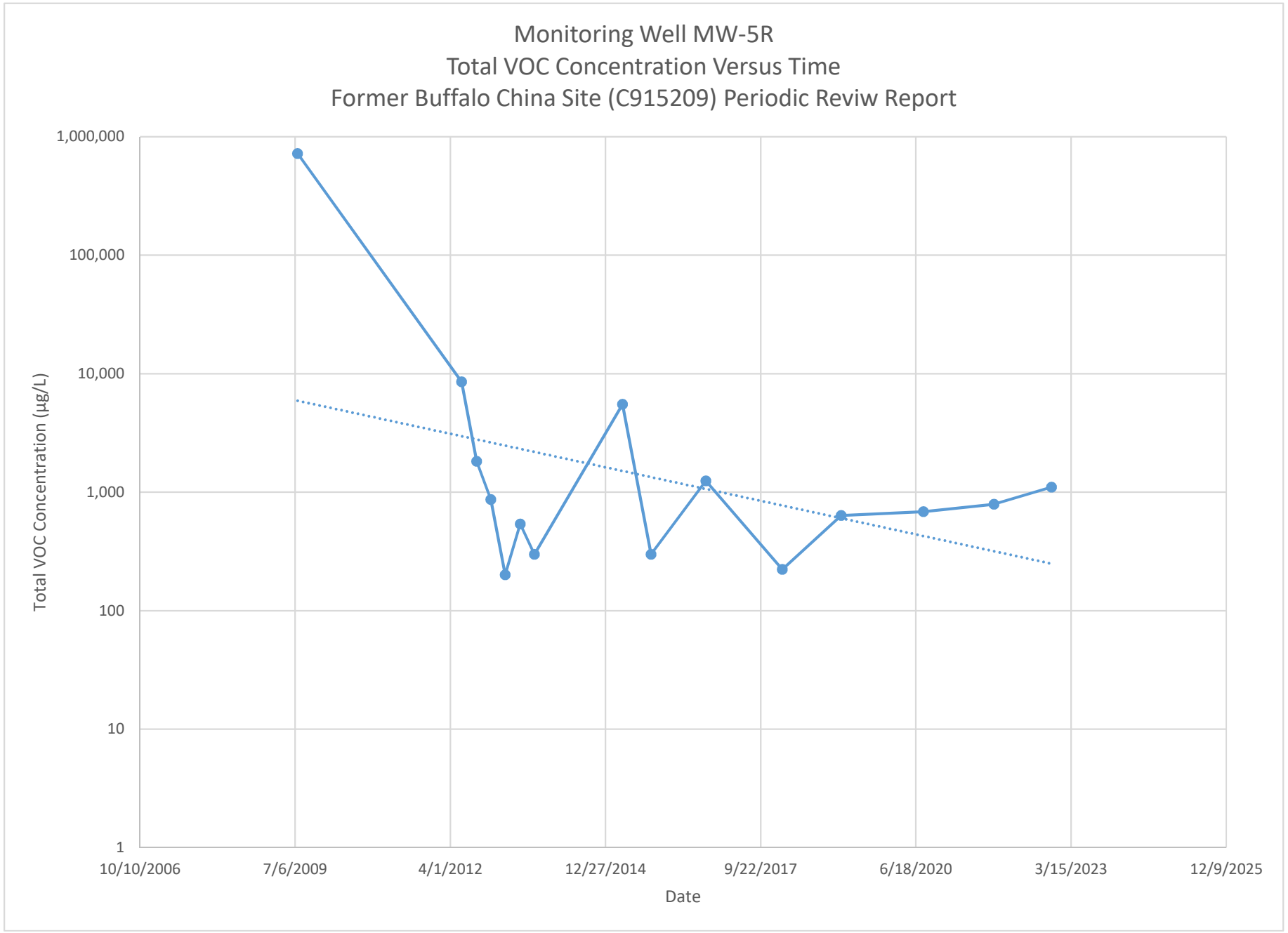

1,2-Dichloroethane Concentration Versus Time for Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A

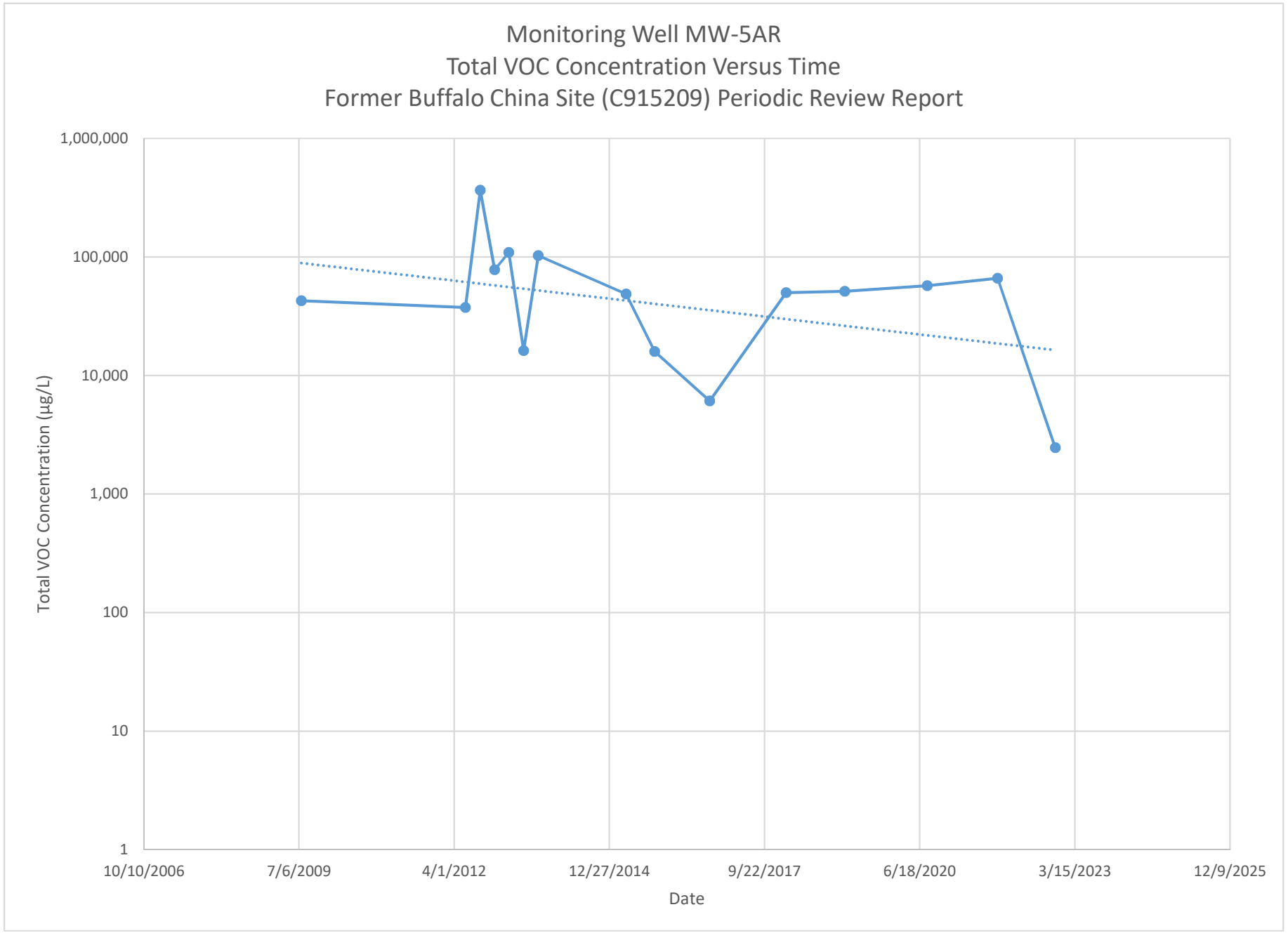

Tetrachloroethene Concentration Versus Time in Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A

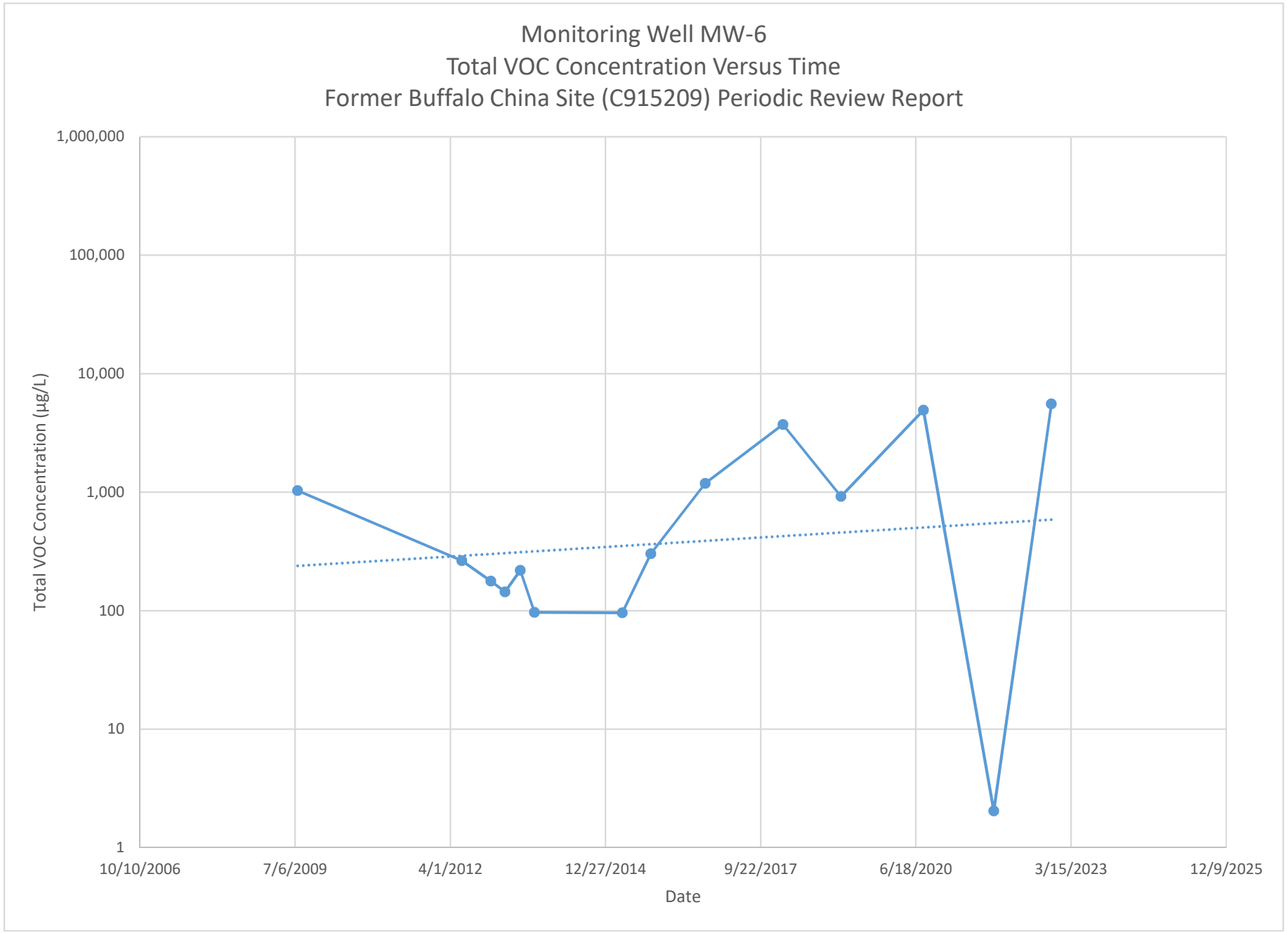

Toluene Concentration Versus Time in Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A

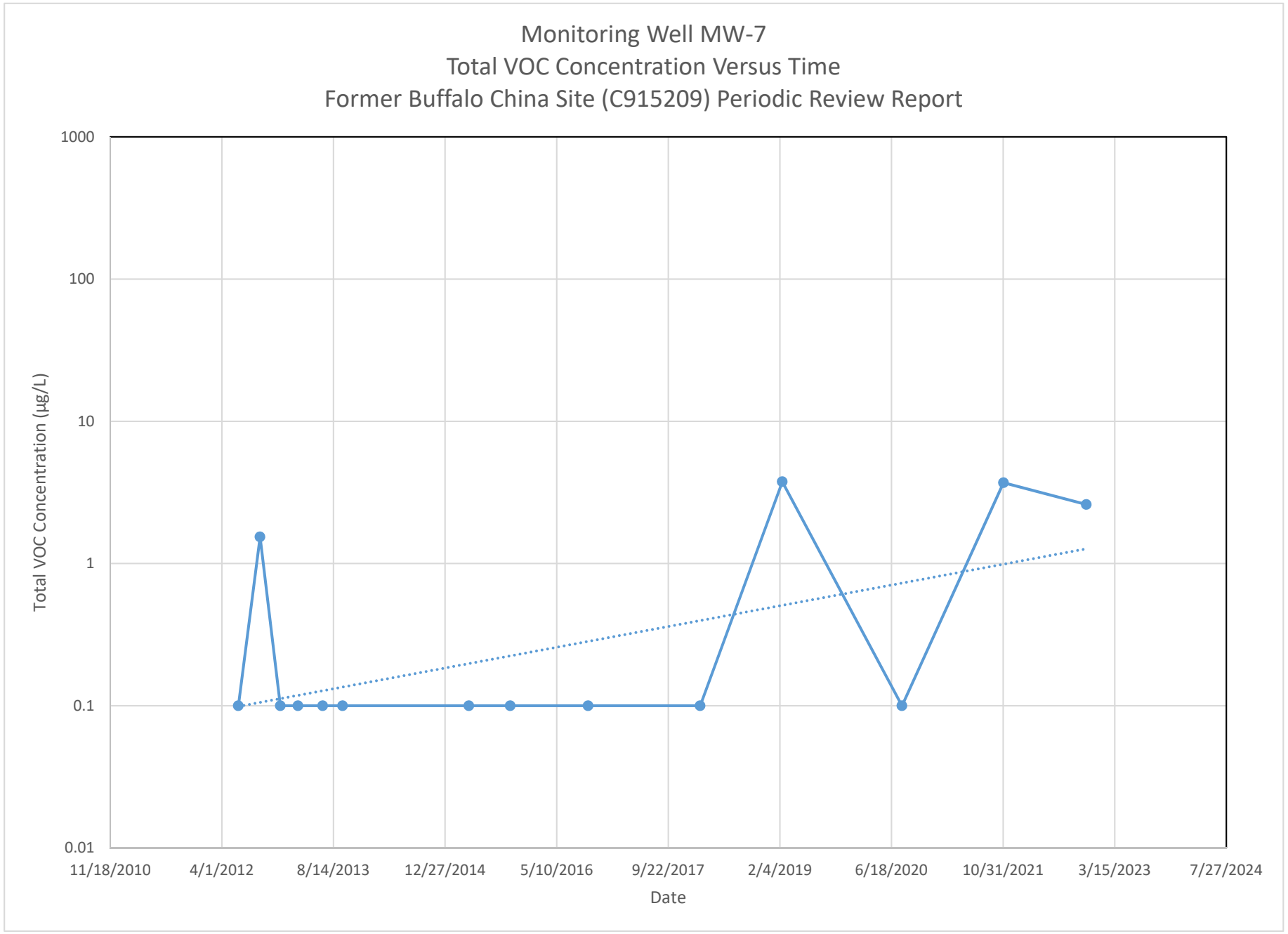

Methylene Chloride Concentration Versus Time in Bedrock Plume Wells
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
0
Concentration (ug/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
MW-5AR
MW-13A
MW-14A
MW-19AR
MW-21A
MW-20A

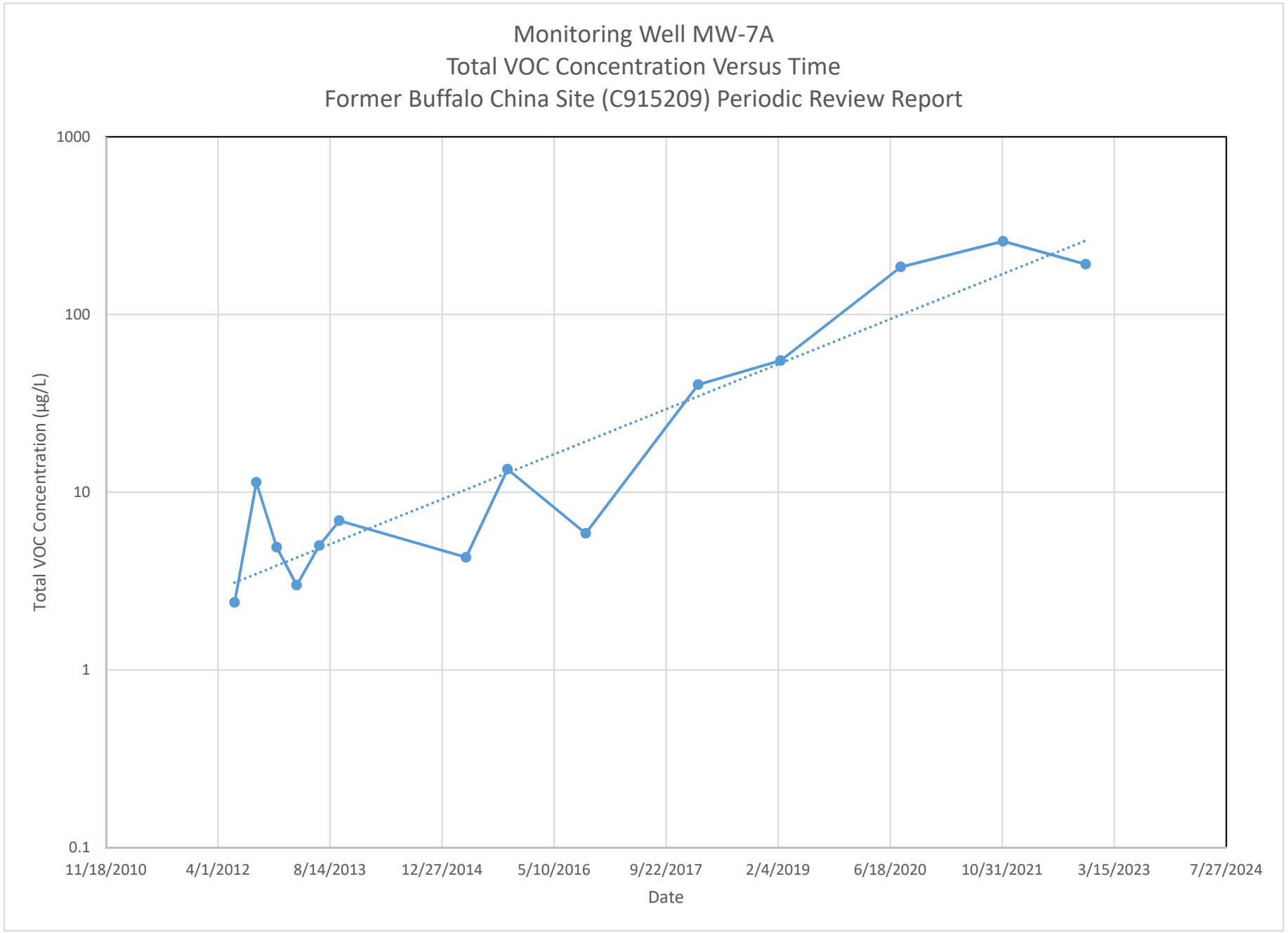
Appendix F – Total VOCs Versus Time Plots


Monitoring Well MW-5R
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Reviw Report
1,000,000
100,000
10,000
1,000
100
10
1
Total VOC Concentration (µg/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date

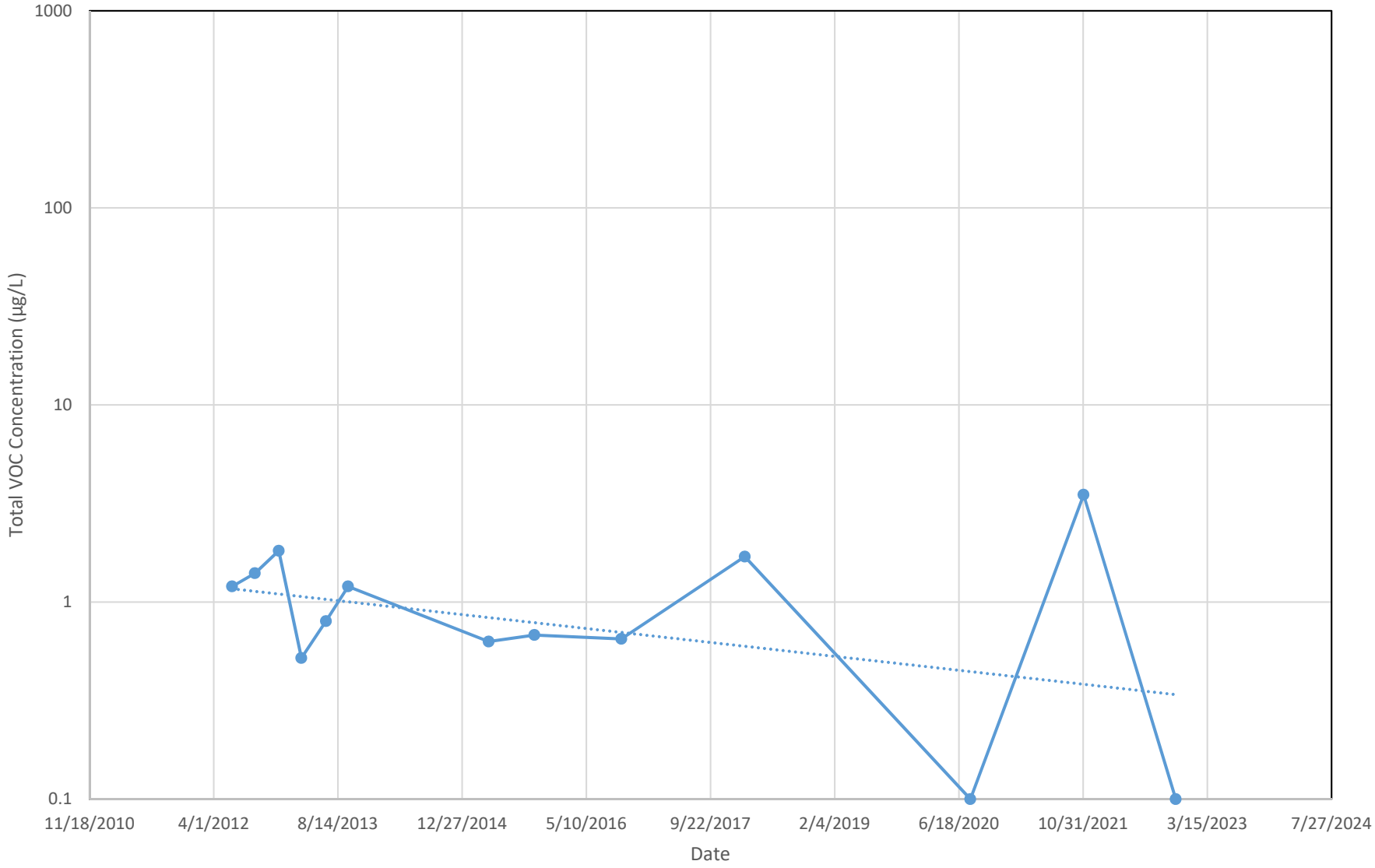

Monitoring Well MW-5AR
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
Total VOC Concentration (µg/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date


Monitoring Well MW-6
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
Total VOC Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date

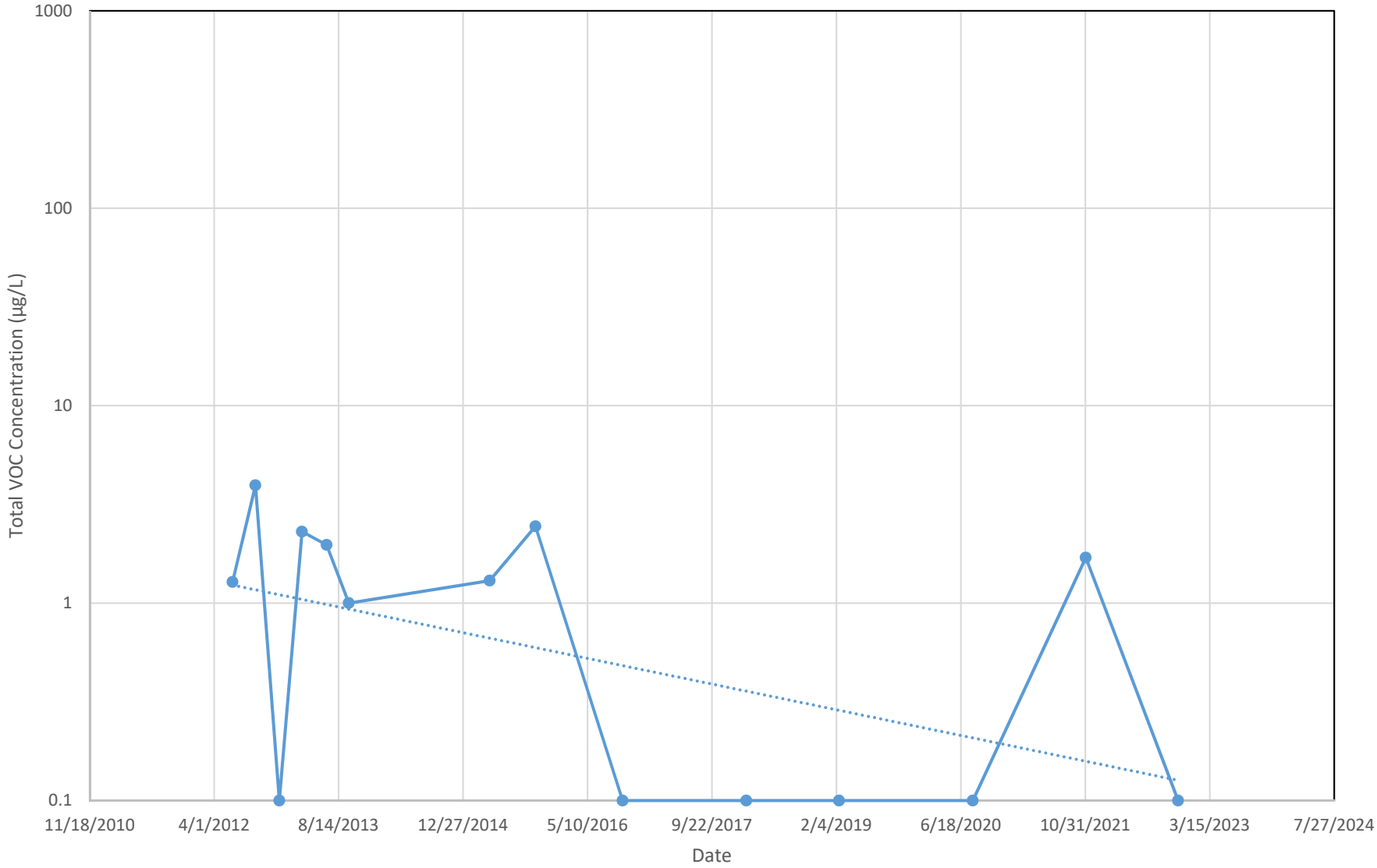

Monitoring Well MW-7
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
Total VOC Concentration (µg/L)
1000
100
10
1
0.1
0.01
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

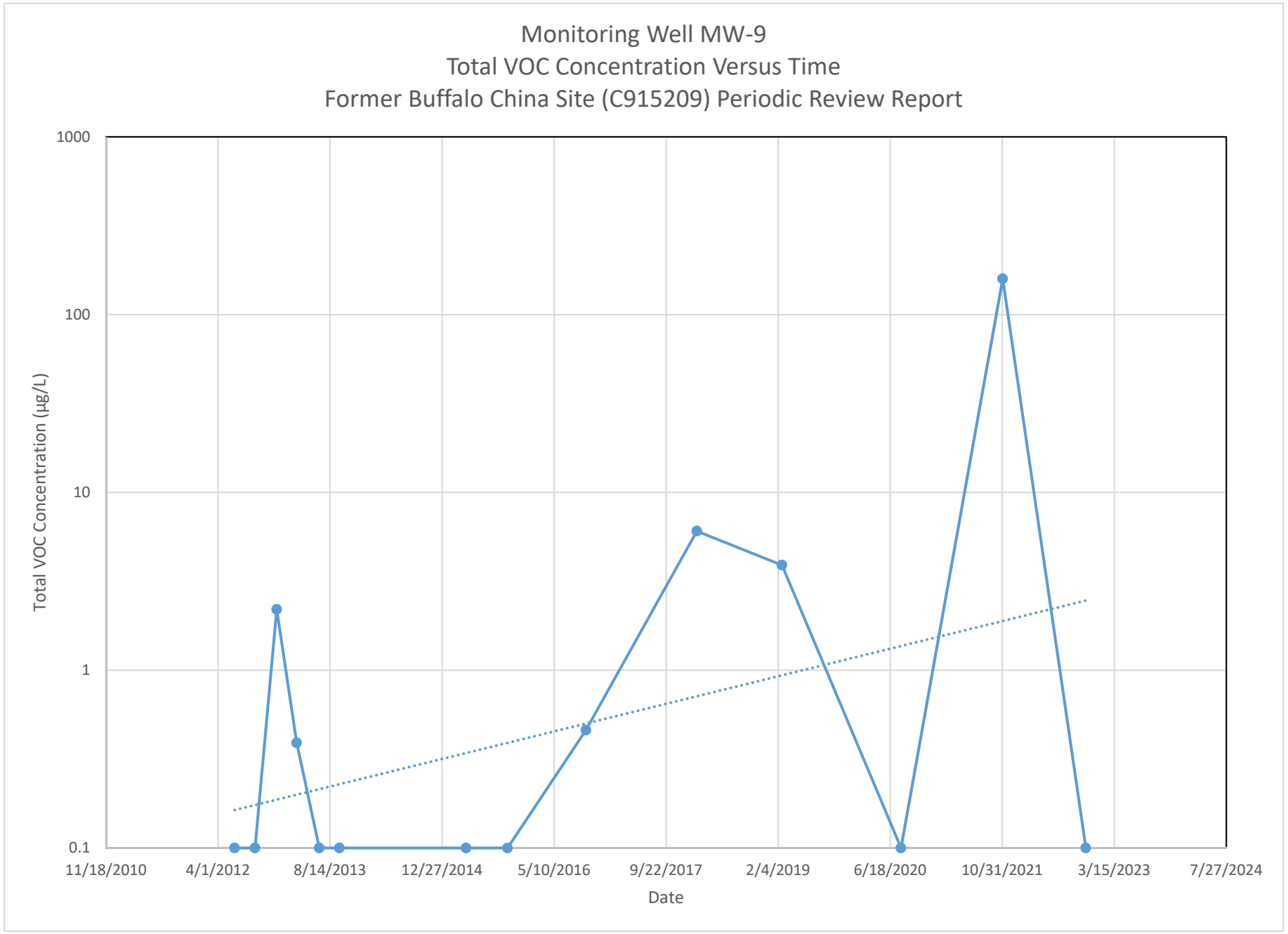

Monitoring Well MW-7A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
1000
100
10
1
0.1
Total VOC Concentration (µg/L)
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

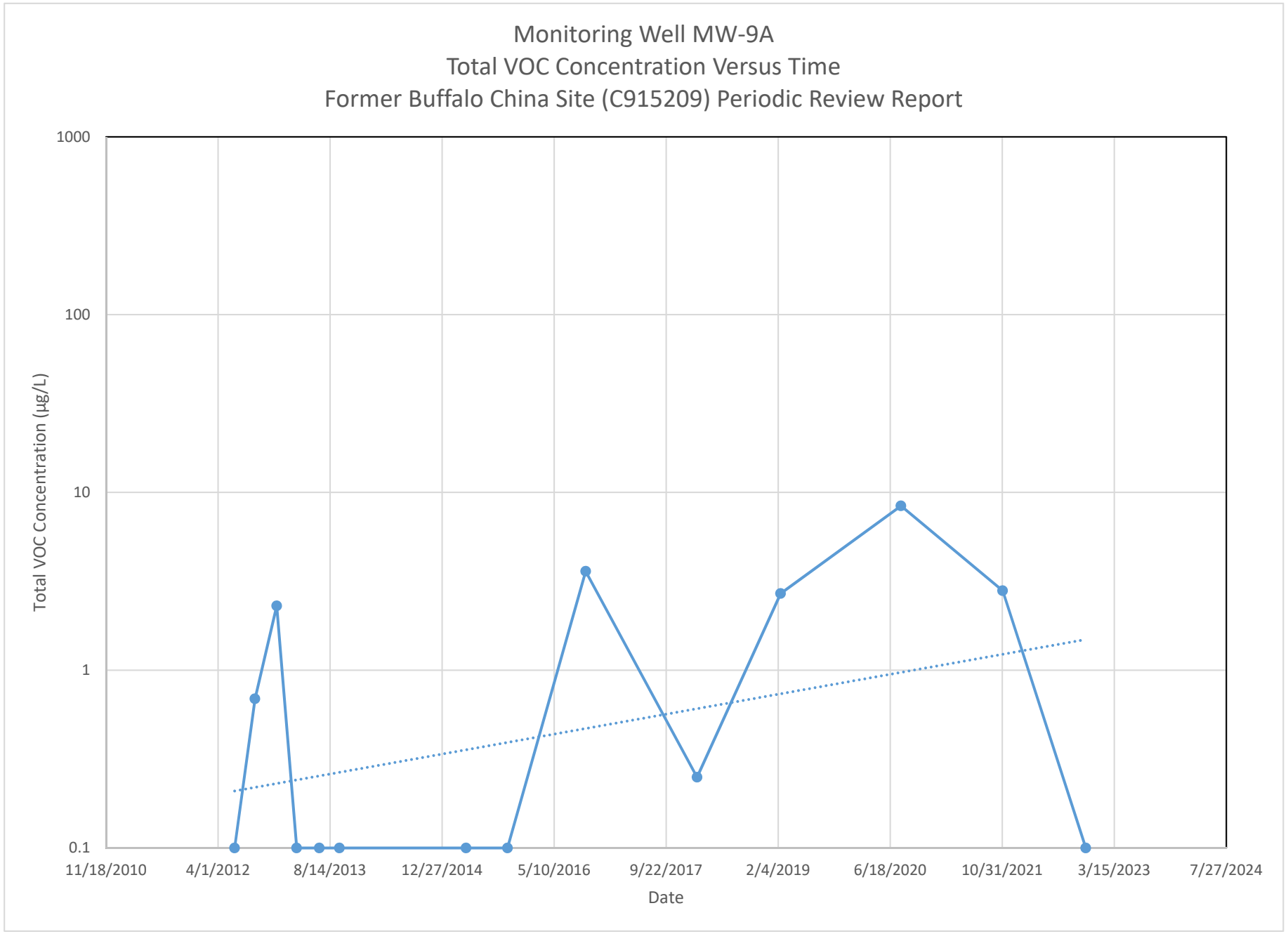
Monitoring Well MW-8
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report



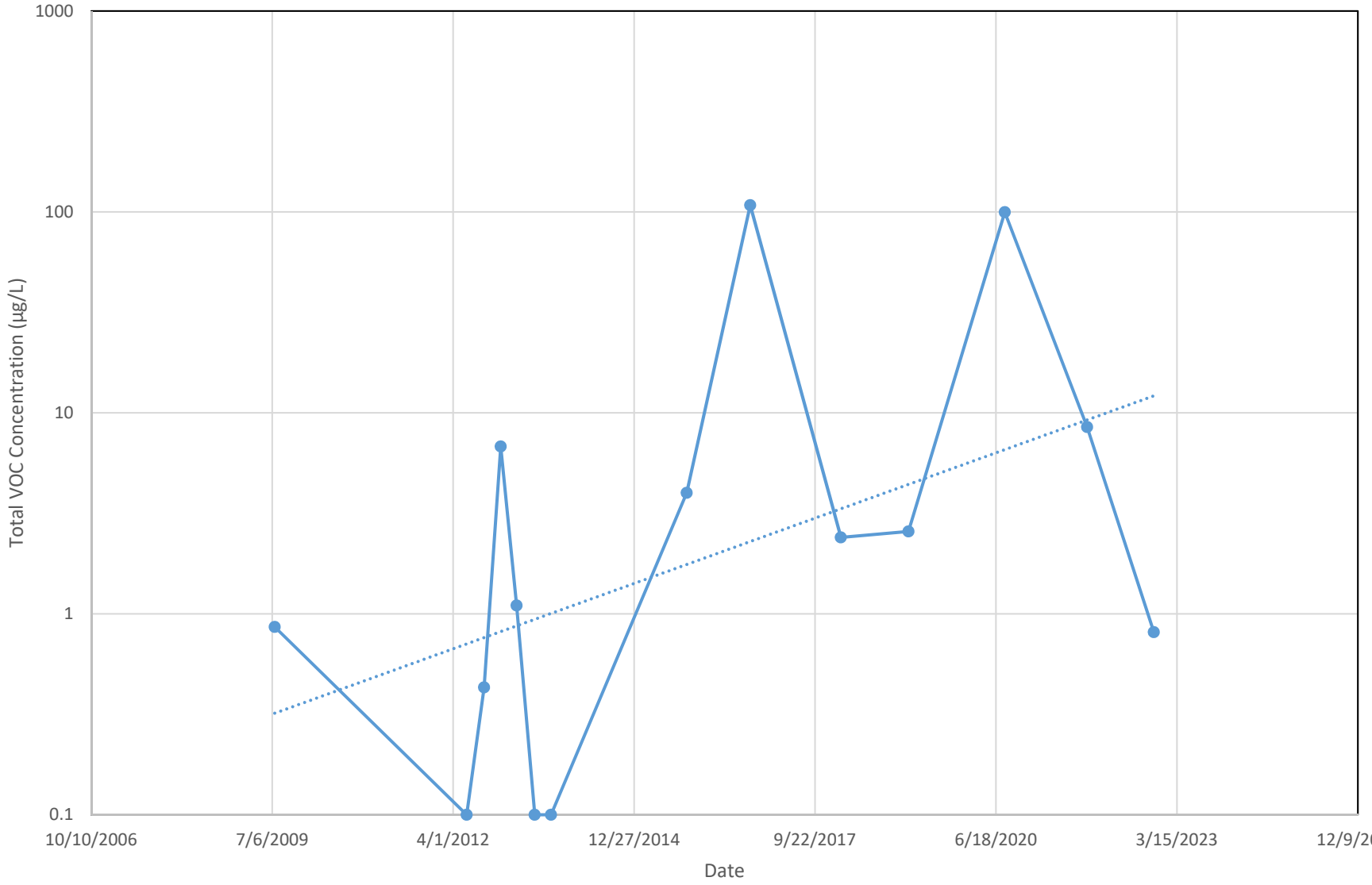
Monitoring Well MW-8A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report

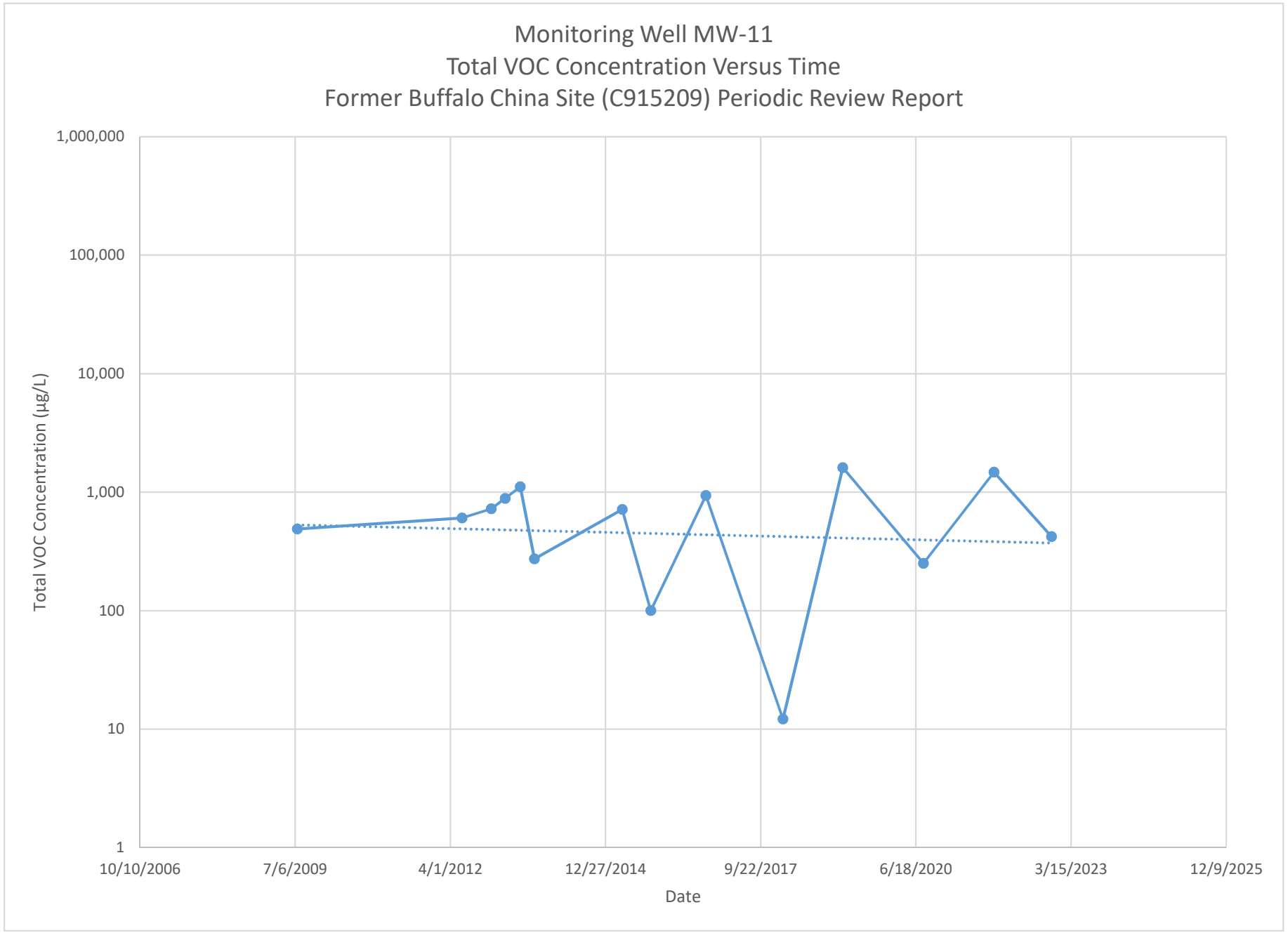


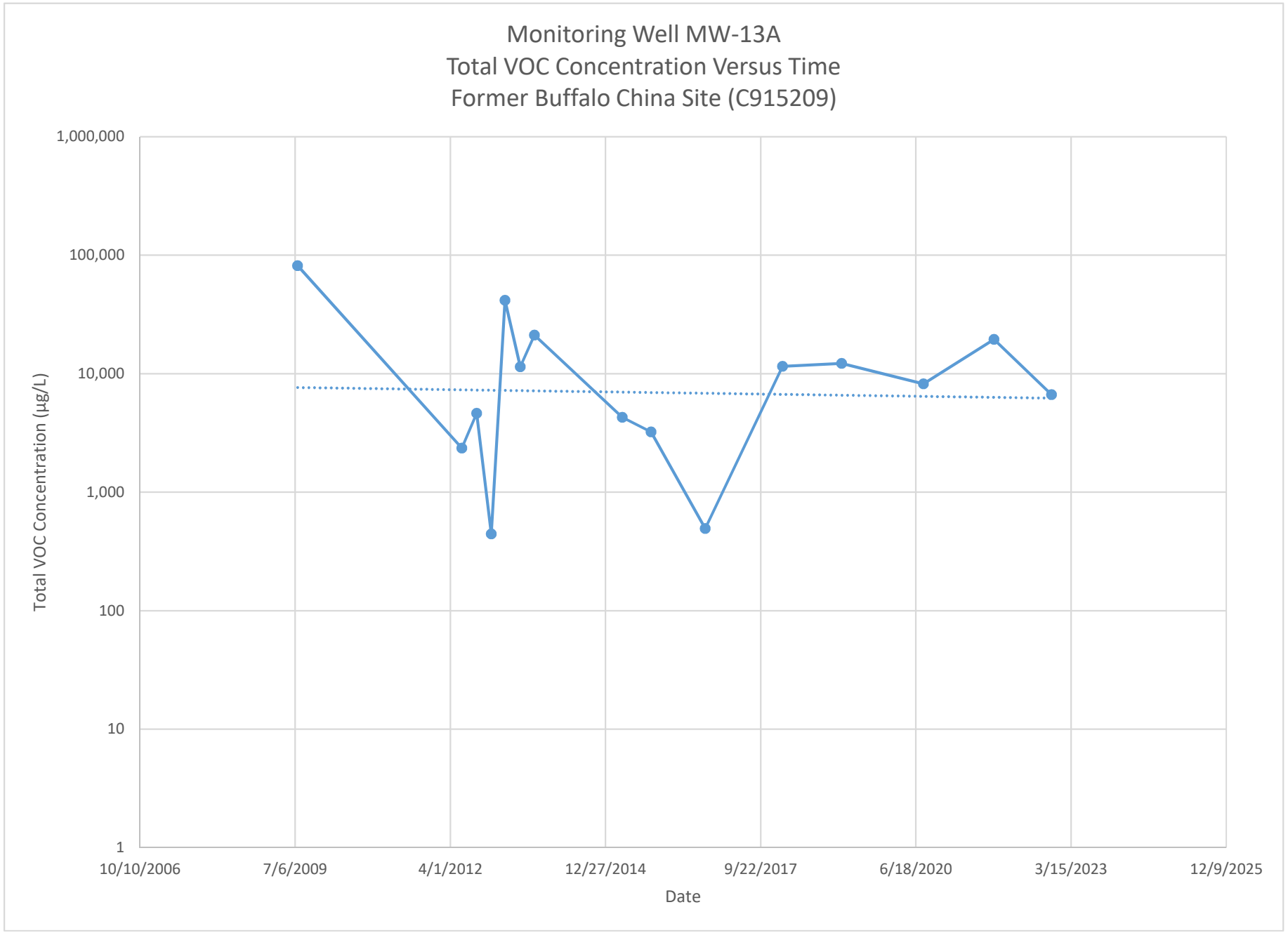

Monitoring Well MW-9
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
1000
100
10
1
0.1
Total VOC Concentration (µg/L)
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

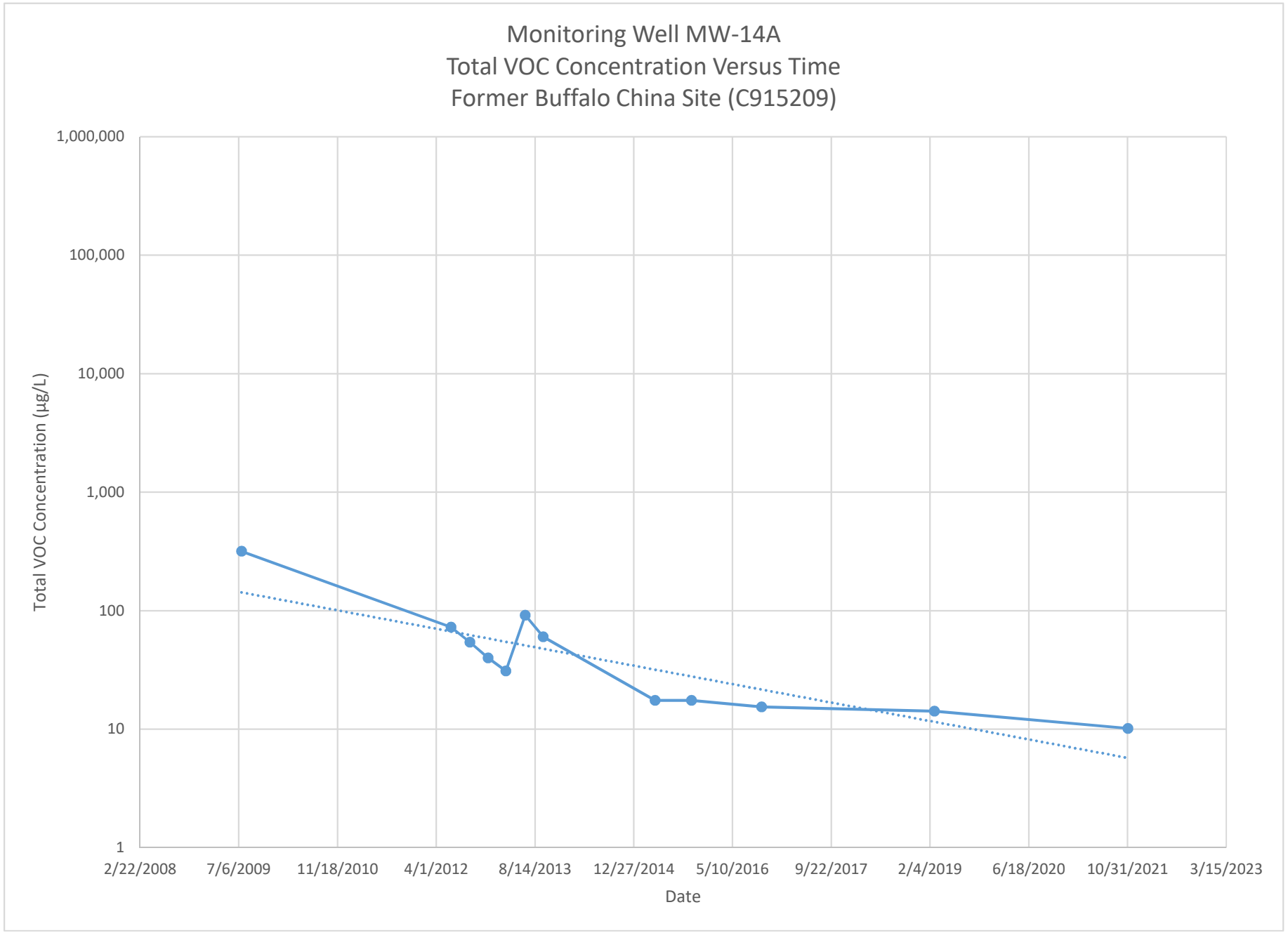

Monitoring Well MW-9A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
Total VOC Concentration (µg/L)
1000
100
10
1
0.1
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

Monitoring Well MW-10
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report

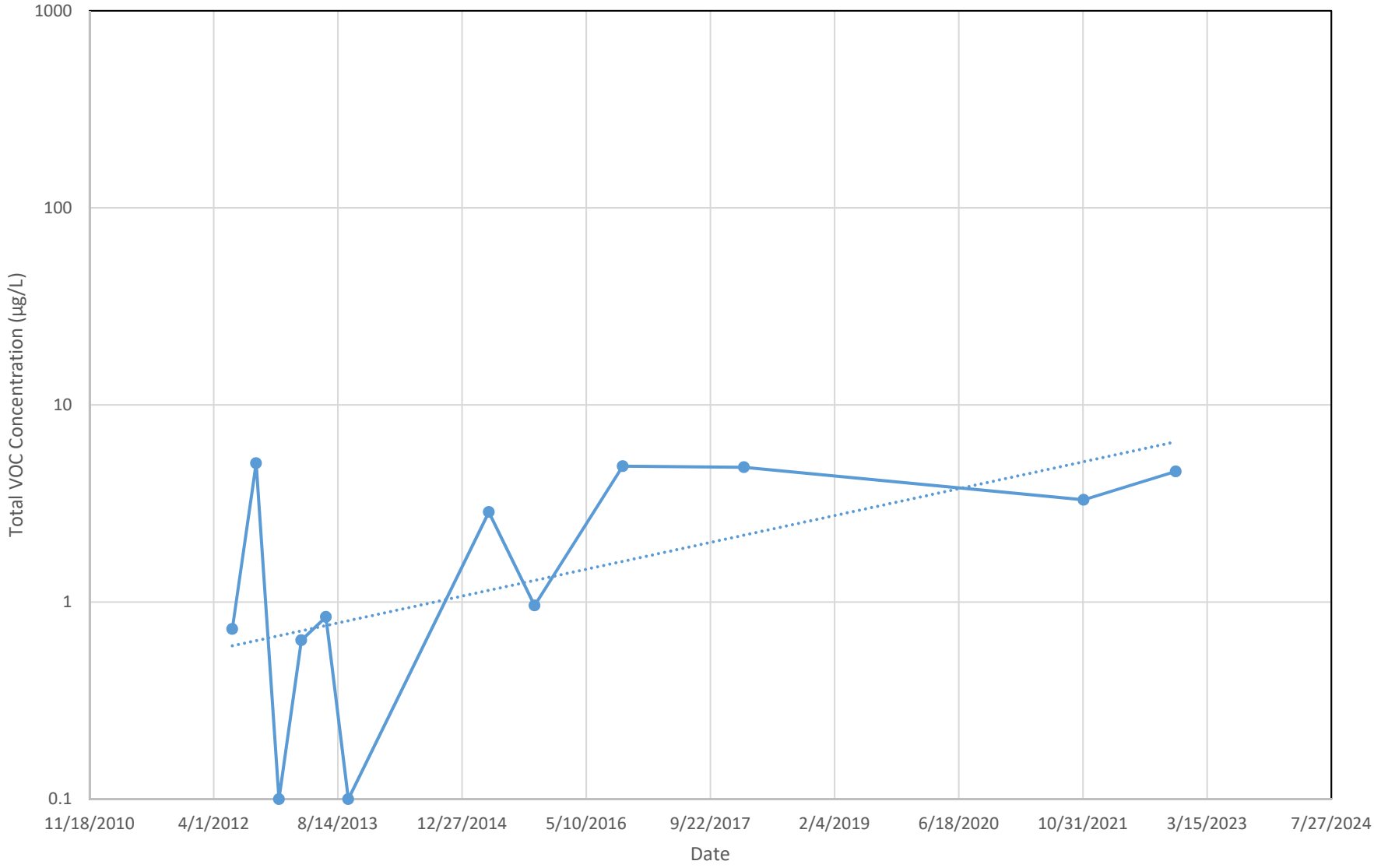


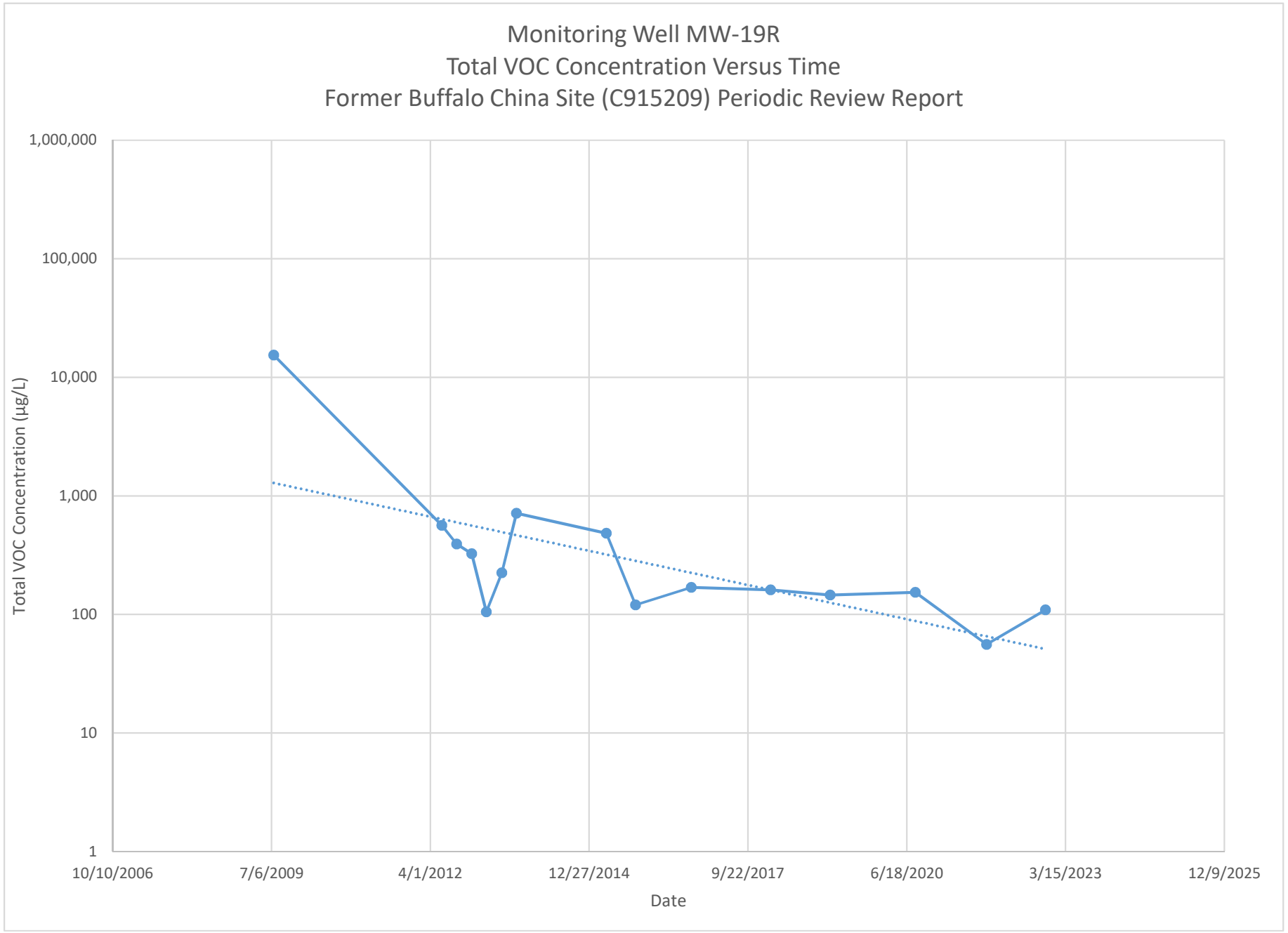

Monitoring Well MW-11
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
Total VOC Concentration (µg/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date

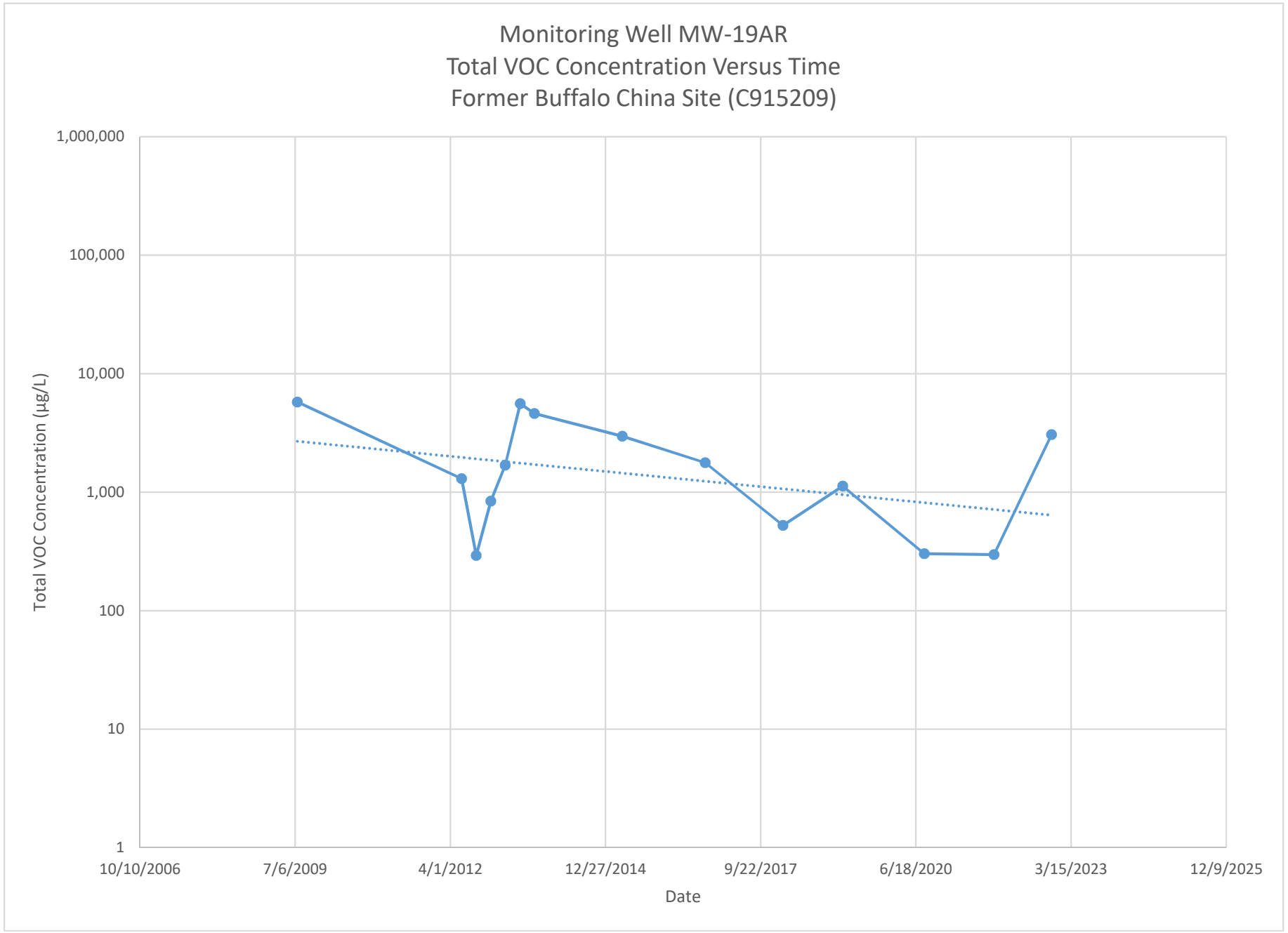

Monitoring Well MW-13A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209)
Total VOC Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date

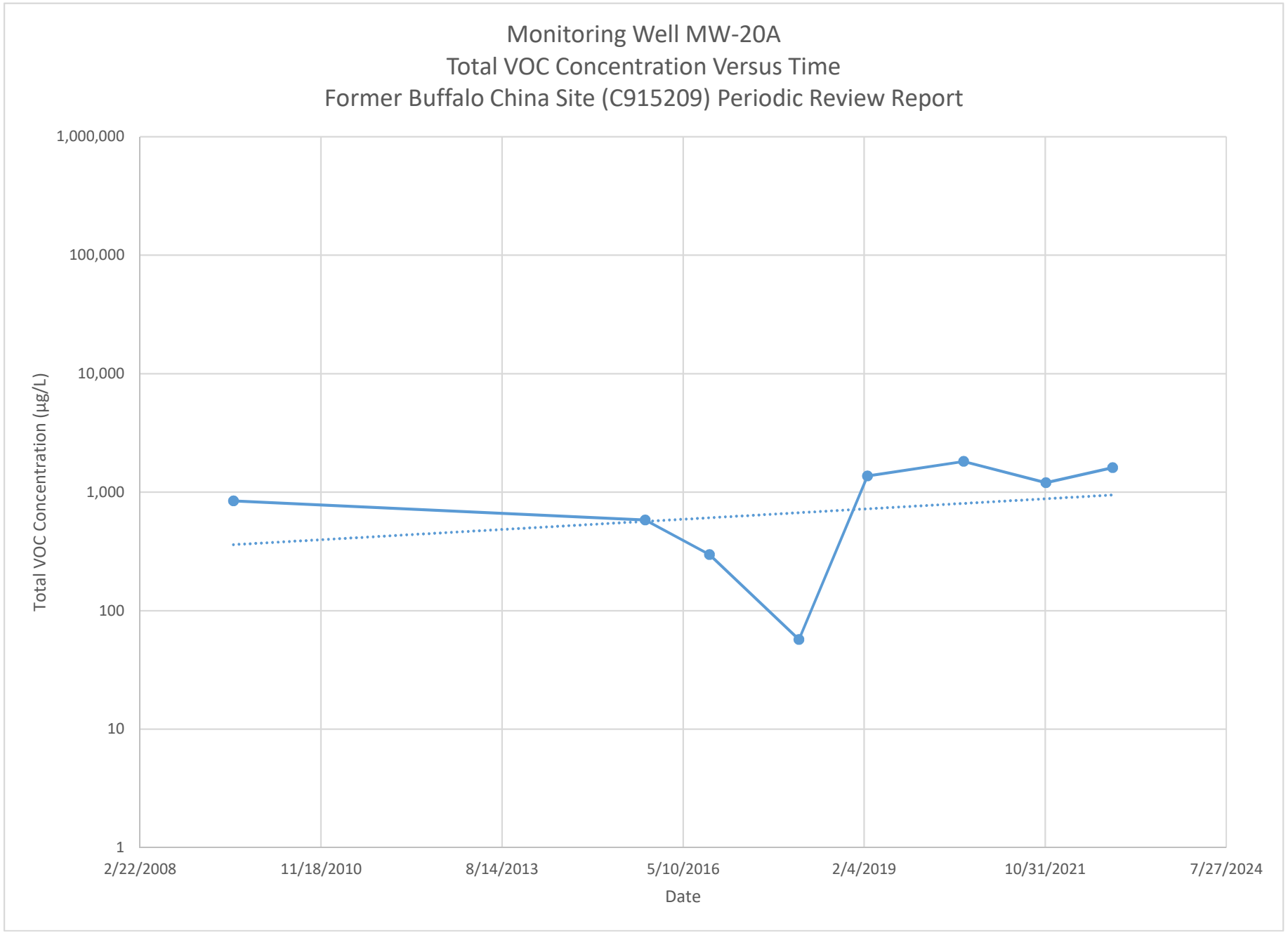

Monitoring Well MW-14A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209)
Total VOC Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
Date

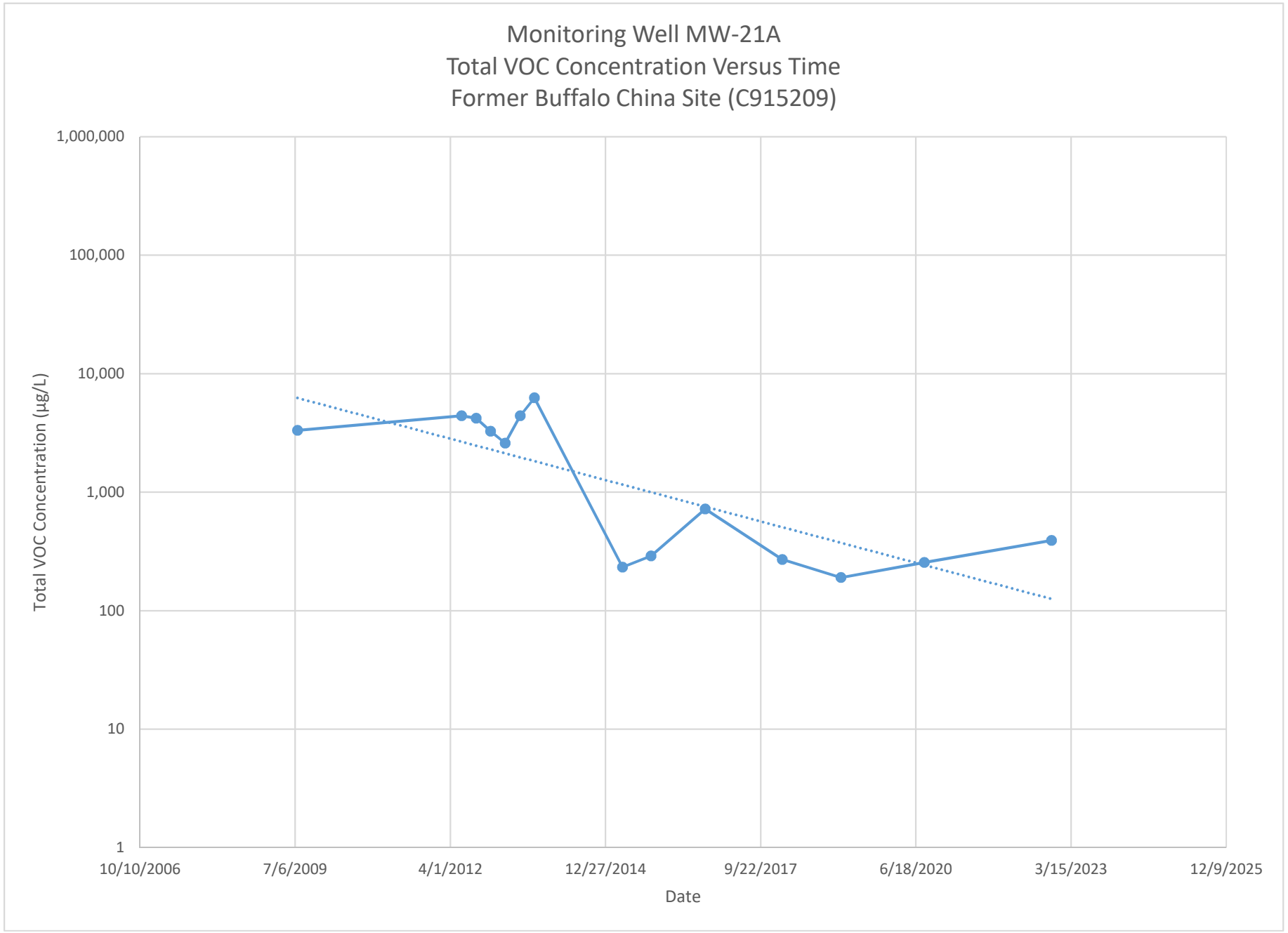
Monitoring Well MW-15A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report



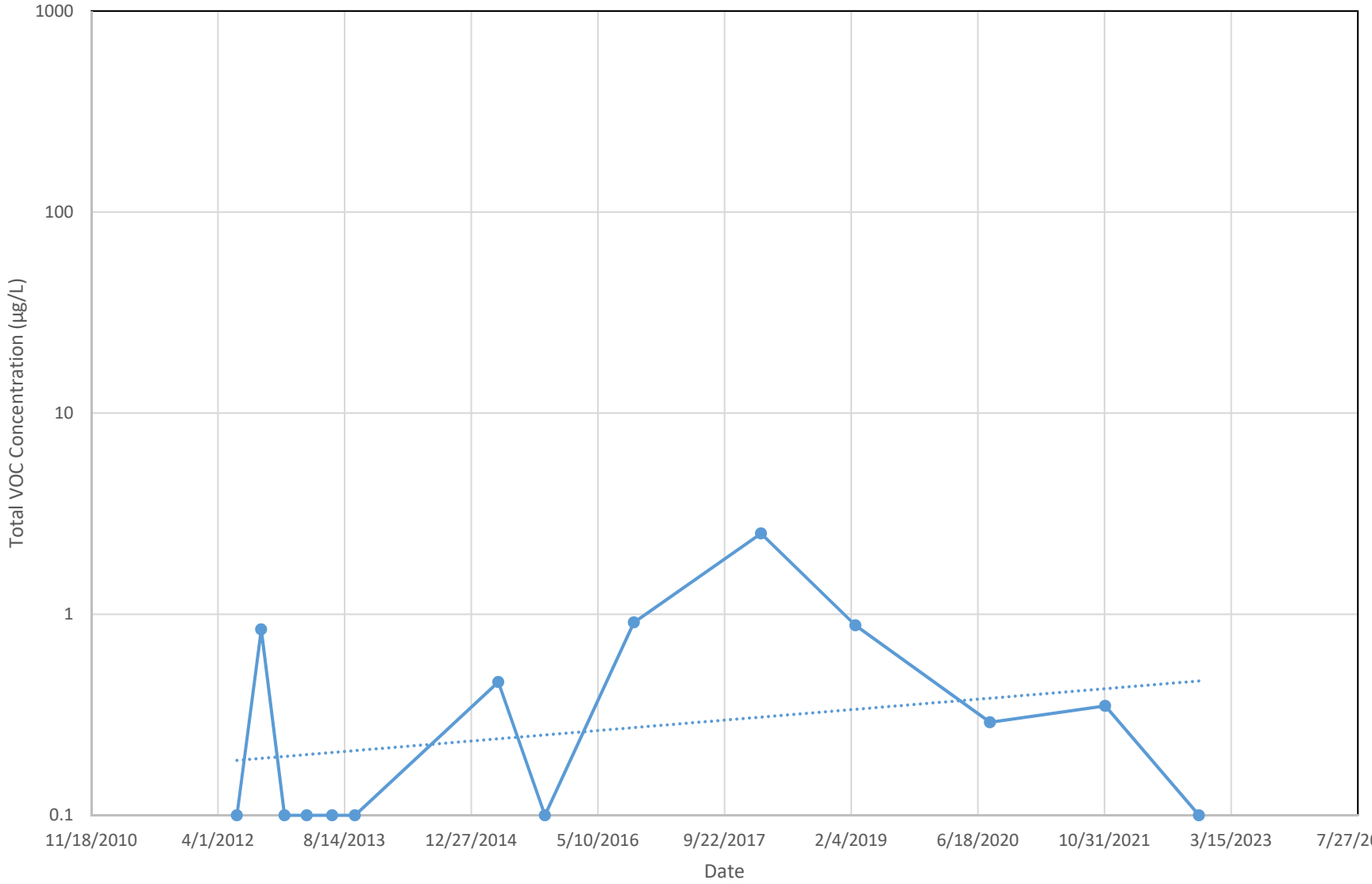

Monitoring Well MW-19R
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
Total VOC Concentration (µg/L)
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date

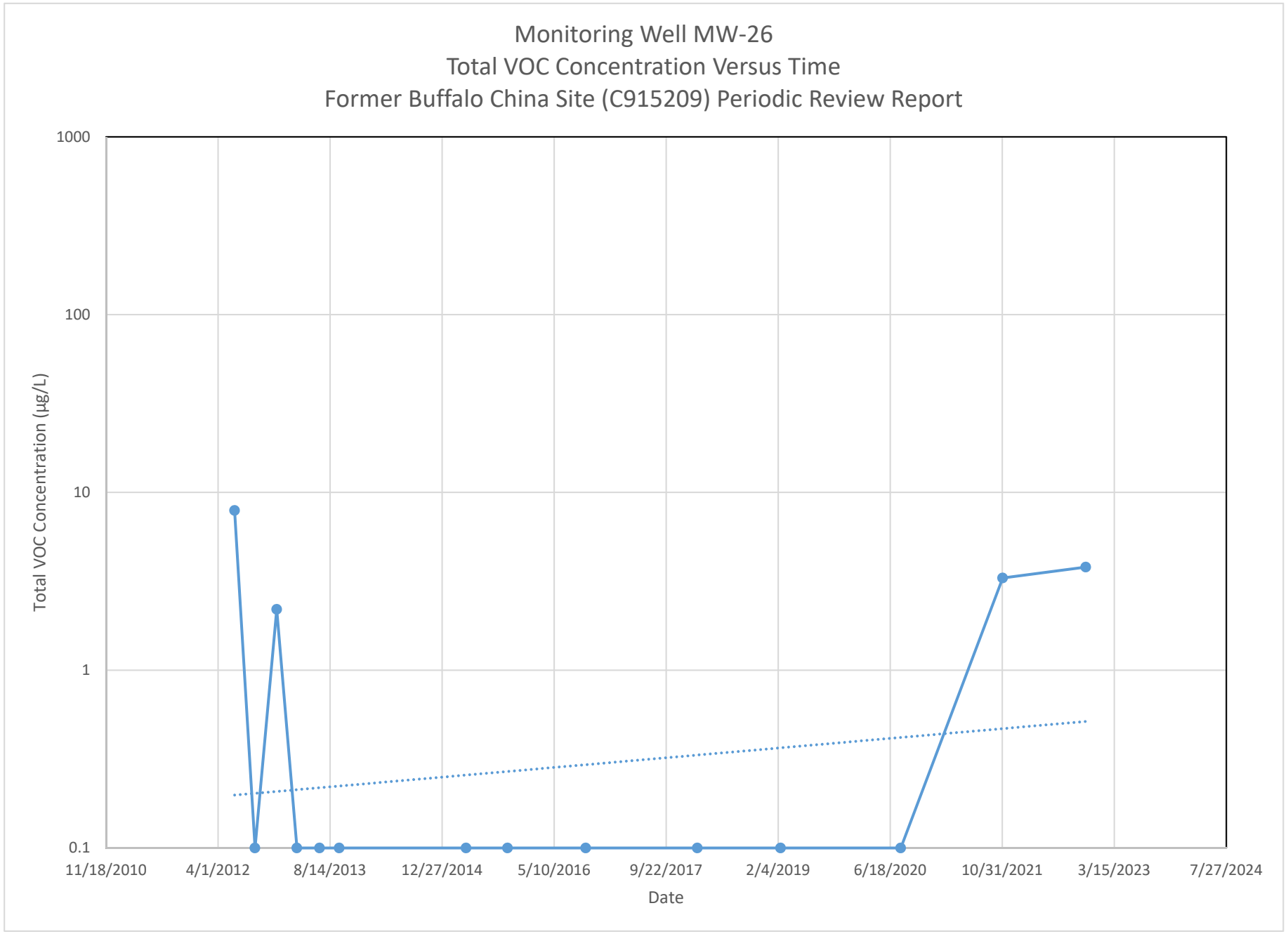

Monitoring Well MW-19AR
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209)
Total VOC Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date


Monitoring Well MW-20A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
1,000,000
100,000
10,000
1,000
100
10
1
Total VOC Concentration (µg/L)
2/22/2008
11/18/2010
8/14/2013
5/10/2016
2/4/2019
10/31/2021
7/27/2024
Date

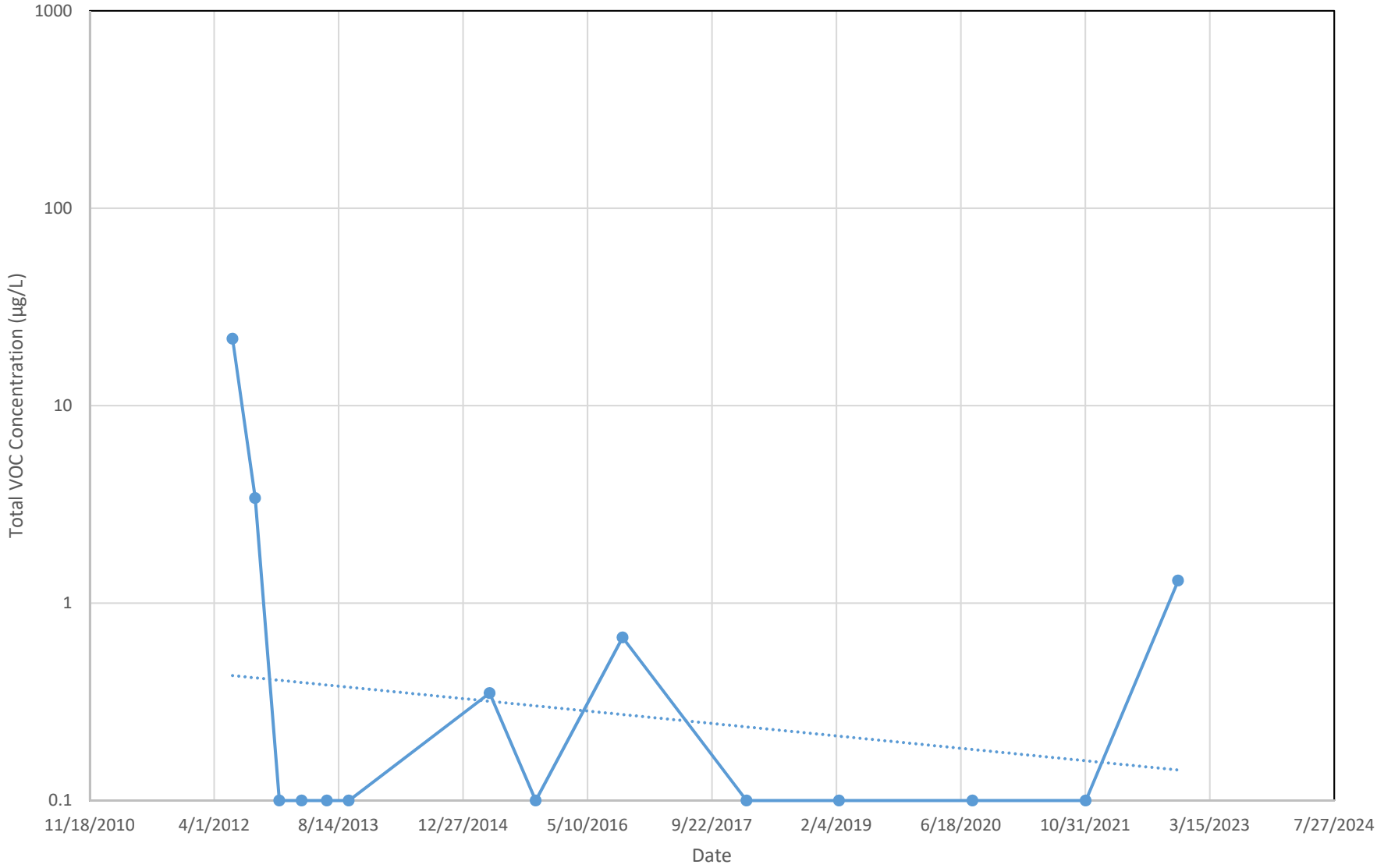

Monitoring Well MW-21A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209)
Total VOC Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date

Monitoring Well MW-25A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report




Monitoring Well MW-26
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report
1000
100
10
1
0.1
Total VOC Concentration (µg/L)
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

Monitoring Well MW-26A
Total VOC Concentration Versus Time
Former Buffalo China Site (C915209) Periodic Review Report



Appendix G
PRR 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. **C915209**

Site Name **Former Buffalo China Site**

Site Address: 51 Hayes Place Zip Code: 14210
City/Town: Buffalo
County: Erie
Site Acreage: 9.730

Reporting Period: November 16, 2021 to November 16, 2022

	YES	NO
1. Is the information above correct?	Yes	
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?		NO
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		NO
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		No
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?		No

Box 2

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

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: 12/9/22

Parcel	Owner	Institutional Control
123.09-4-16.2	Scott Brady	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

INSTITUTIONAL CONTROLS (ICs):

1. The property can be used for industrial use only.
2. Prohibition of use of groundwater.
3. Prohibition of gardening and farming.
4. Annual Certification

ENGINEERING CONTROLS (ECs):

1. Implementation of the Site Management Plan for:
a. Cover System monitoring and maintenance.
b. Soils management and excavation at site area.
c. OM&M of groundwater treatment system.
d. Annual Reporting.

123.09-4-17	Scott Brady	IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan

INSTITUTIONAL CONTROLS (ICs):

1. The property can be used for industrial use only.
2. Prohibition of use of groundwater.
3. Prohibition of gardening and farming.
4. Annual Certification

ENGINEERING CONTROLS (ECs):

1. Implementation of the Site Management Plan for:
a. Cover System monitoring and maintenance.
b. Soils management and excavation at site area.
c. OM&M of groundwater treatment system.
d. Annual Reporting.

123.09-4-2	Scott Brady	IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan

INSTITUTIONAL CONTROLS (ICs):

1. The property can be used for industrial use only.

2. Prohibition of use of groundwater.
3. Prohibition of gardening and farming.
4. Annual Certification

ENGINEERING CONTROLS (ECs):

1. Implementation of the Site Management Plan for:
a. Cover System monitoring and maintenance.
b. Soils management and excavation at site area.
c. OM&M of groundwater treatment system.
d. Annual Reporting.

123.38-2-1.1 Scott Brady

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

INSTITUTIONAL CONTROLS (ICs):

1. The property can be used for industrial use only.
2. Prohibition of use of groundwater.
3. Prohibition of gardening and farming.
4. Annual Certification

ENGINEERING CONTROLS (ECs):

1. Implementation of the Site Management Plan for:
a. Cover System monitoring and maintenance.
b. Soils management and excavation at site area.
c. OM&M of groundwater treatment system.
d. Annual Reporting.

123.38-2-39 Scott Brady

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

INSTITUTIONAL CONTROLS (ICs):

1. The property can be used for industrial use only.
2. Prohibition of use of groundwater.
3. Prohibition of gardening and farming.
4. Annual Certification

ENGINEERING CONTROLS (ECs):

1. Implementation of the Site Management Plan for:
a. Cover System monitoring and maintenance.
b. Soils management and excavation at site area.
c. OM&M of groundwater treatment system.
d. Annual Reporting.

123.38-3-1 Scott Brady

IC/EC Plan
Ground Water Use Restriction

Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan

INSTITUTIONAL CONTROLS (ICs):

1. The property can be used for industrial use only.
2. Prohibition of use of groundwater.
3. Prohibition of gardening and farming.
4. Annual Certification

ENGINEERING CONTROLS (ECs):

1. Implementation of the Site Management Plan for:
a. Cover System monitoring and maintenance.
b. Soils management and excavation at site area.
c. OM&M of groundwater treatment system.
d. Annual Reporting.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
123.09-4-16.2	Groundwater Treatment System Cover System
123.09-4-17	Groundwater Treatment System Cover System
123.09-4-2	Groundwater Treatment System Cover System
123.38-2-1.1	Groundwater Treatment System Cover System
123.38-2-39	Groundwater Treatment System Cover System
123.38-3-1	Groundwater Treatment System Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

   YES NO

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

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

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

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

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

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

   YES NO

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C915209

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 _____ at _____,
print name print business address

am certifying as _____(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

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 _____ at _____,
print name print business address

am certifying as a Professional Engineer for the _____
(Owner or Remedial Party)

_____	_____	_____
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Appendix H
Purge Logs

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo Chelsea
Ref. No.:

Date: 11/8/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-8A
Vapour PID (ppm): 0 ppm
Measurement Point: T.O.C.
Constructed Well Depth (m/ft): 27
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 11.00

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
0910				10.43	0.979	238	0	8.75	-114		Start
0913				12.40	0.710	245	0	8.10	-116		
0916				12.84	0.660	214	0	7.92	-126		
0919				12.98	0.652	210	0	7.88	-130		
0922				13.12	0.642	207	0	7.85	-133		
0925				13.22	0.633	204	0	7.83	-136		—

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-D8A @ 0930

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

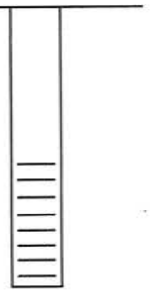
Project Name: Former Buffalo Clinic
Ref. No.:

Date: 11/8/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-08
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 1.25



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required:				±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
0938				12.64	0.914	85.3	0	7.84	-23		Start
0941				13.66	0.930	37.4	0	7.36	-27		
0944				13.80	0.937	31.2	0	7.25	-74		
0947				13.88	0.944	30.7	0	7.18	-80		
0950				13.90	0.949	28.3	0	7.13	-84		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-08 @ 1000

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

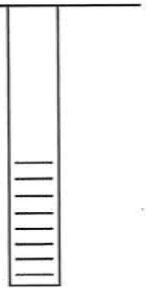
Project Name: Former Buffalo China
Ref. No.:

Date: 11/8/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-26
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 2.03



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1005				12.68	1.22	61.2	0	7.27	-68		start
1008				12.70	1.19	64.2	0	7.22	-77		
1011				12.76	1.19	70.1	10.91	7.17	-85		
1014				12.82	1.22	55.9	7.0	7.13	-94		
1017				12.79	1.25	47.9	9.91	7.11	-100		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-26 @ 1030

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo China
Ref. No.:

Date: 11/8/22
Personnel: J. Williams
N. YU

Monitoring Well Data:

Well No.: MW-26A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft): MW-26A
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 2.91

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1025				12.71	0.691	394	0	7.48	-116		start
1028				12.90	1.14	126	13.33	7.53	-110		
1031				Replace silicone tubing							
1040				11.74	1.16	97.4	0	7.66	-94		
1043				12.88	1.09	56.2	0	7.63	-93		
1046				12.90	1.05	45.4	0	7.61	-92		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-26A @ 1100

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo China
Ref. No.:

Date: 11/8/22
Personnel:

Monitoring Well Data:

Well No.: MW-09
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 1.94

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1102											start
1105				12.14	0.779	148	17.6	7.64	7		
1108				12.44	0.777	84.7	11.70	7.28	-12		
1111				12.50	0.780	70.7	9.39	7.17	-32		
1114				12.53	0.784	54.1	7.25	7.14	-40		
1117				12.54	0.786	47.5	6.33	7.09	-40		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-09 @ 1130

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

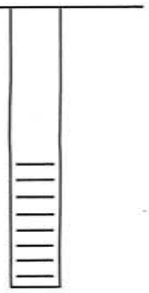
Project Name: Former Buffalo China
Ref. No.:

Date: 11/8/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-09A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 10.73



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required:				±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1123				12.36	1.33	35.9	0	7.14	-91		start
1126				12.38	1.45	26.9	0	7.14	-112		
1129				12.37	1.51	25.2	0	7.15	-128		
1132				12.40	1.55	24.5	0	7.17	-141		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-09A @ 1200

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

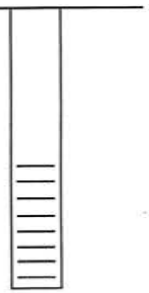
Project Name: Former Buffalo China
Ref. No.:

Date: 11/8/22
Personnel: J. Williams
N. YJ

Monitoring Well Data:

Well No.: MW-25A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 8.54



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1206											start
1209	Tubing issues - resolved										
1223				14.47	0.815	18.5	0	7.59	-62		
1226				15.41	0.795	123	1.59	7.31	-62		
1229				15.73	0.782	121	1.96	7.13	-65		
1232				15.92	0.773	97.7	1.21	7.04	-66		
1235				15.93	0.779	98.2	0	6.99	-67		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-25A @ 1302

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo Chilmark
Ref. No.:

Date: 11/8/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-10
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 7.2

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required:				±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1245											Start
1248				15.37	0.367	79.8	0	7.40	9		
				* Well dry ~0.5 gallons removed							
				Let recover - Simple recovery							

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-10 @ 1330

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo China
Ref. No.:

Date: 11/8/22
Personnel: JC WM Weeks
N. Yu

Monitoring Well Data:

Well No.: MW-6
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 6.4

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1318											start
1321	tubing issue resolved										
1338				14.36	0.629	225	0	7.44	-30		
1341				13.03	1.03	0	0	7.43	-75		
1344				12.99	1.00	0	0	7.42	-77		
1347				13.02	1.00	0	0	7.41	-76		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-06 @ 1340

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo China
Ref. No.:

Date: 11/8/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-20A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 5.12

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1405											start
1408				14.05	3.41	649	14.24	7.64	-129		
1411				14.25	2.13	385	12.42	7.53	-93		
1414				14.48	1.54	308	10.72	7.41	-62		
1417				14.58	1.42	164	9.22	7.30	-53		
1420				14.64	1.39	133	8.17	7.27	-51		
1423				14.69	1.34	104	7.12	7.24	-50		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-20A @ 1415

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

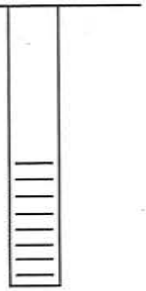
Project Name: Former Buffalo China
Ref. No.:

Date: 11/9/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-7A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 2.98



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
0805											start
0806				9.81	1.03	393	8.02	7.95	-135		
0811				11.34	1.03	256	7.26	7.86	~130		
0814				12.25	1.04	174	7.13	7.75	-110		
0817				12.61	1.06	133	6.88	7.70	-115		
0820				13.03	1.04	98.5	0	7.66	-104		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-7A @ 0820

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo Chlor Date: 11/9/22

Ref. No.: Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-7

Vapour PID (ppm):

Measurement Point:

Constructed Well Depth (m/ft):

Measured Well Depth (m/ft):

Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):

Depth to Pump Intake (m/ft)[1]:

Well Diameter, D (cm/in):

Well Screen Volume, V_s (L)[2]:

Initial Depth to Water (m/ft): 2.08

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
0826	-tubing issues										start
~~0829~~											
0831				12.65	1.47	775	23.56	7.52	-195		
0834				13.11	1.47	434	10.94	7.47	-227		
0837				13.34	1.43	251	7.97	7.43	-241		
0840				13.43	1.43	149	5.89	7.39	-246		
0843				13.53	1.45	94.4	3.95	7.35	-245		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-7 @ 0840

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo Athletic Club
Ref. No.:

Date: 11/9/22
Personnel: J. Williams
N. Yo

Monitoring Well Data:

Well No.: MW-19A/R JDW MW-19R

Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 1.81

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required:				±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
0900											Start
0903				14.06	0.875	165	0	7.92	-179		
0906				14.54	0.875	81.6	0	7.79	-182		
0909				14.82	0.857	59	0	7.71	-182		
0912				14.83	0.855	56.2	0	7.69	-179		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-19A MS/MSD @ 0915

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo Chiller
Ref. No.:

Date: 11/9/22
Personnel: J. Williams
N. YS

Monitoring Well Data:

Well No.: MW-19AR
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 3.84

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
0923											Start
0926				14.69	2.18	401	0	7.72	-131		
0929				14.98	2.14	372	0	7.69	-150		
0932				15.03	2.12	391	0	7.68	-163		
0935				15.11	2.08	385	0	7.68	-170		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-19AR @ 0945

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

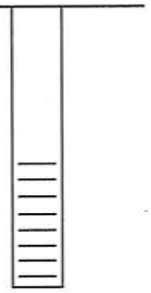
Project Name: Former Buffalo China
Ref. No.:

Date: 11/9/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-21A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 7.17



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required:				±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
0949				[illegible]							Start
0952				14.41	1.87	624	0	7.66	-108		
0955				13.46	1.60	0	0.14	7.47	-25		
0958				13.41	1.60	0	0	7.42	-56		
1001				13.40	1.61	0	0	7.43	-96		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-21A @ 1000
DUP-01 @ 1015

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo Airline
Ref. No.:

Date: 11/9/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-5R
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 7.40

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1015											start
1018				14.80	5.50	914	15.52	8.32	-88		
1021				14.97	4.04	321	13.41	8.59	-103		
1024				15.03	1.99	148	12.30	8.37	-57		
1027				15.08	1.14	96.3	11.29	8.16	-40		
1030				15.13	0.833	82.3	10.16	8.02	-42		
1033				15.14	0.794	80.3	9.75	7.98	-42		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-5R @ 1030

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo China
Ref. No.:

Date: 11/9/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-5AR
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 9.63

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
			Precision Required:	±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1039											start
1118				15.59	0.784	191	0	7.97	-77		
1121				15.96	0.814	544	0	7.94	-142		
1124				15.95	0.812	443	0	7.90	-153		
1127				15.91	0.813	389	0	7.86	-143		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-5AR @ 1100

MONITORING WELL RECORD FOR LOW-FLOW PURGING

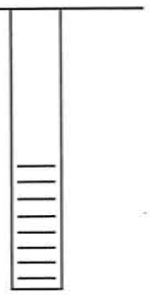
Project Data:

Project Name: Former Buffalo China
Ref. No.:
Date: 11/9/22
Personnel: J. Williams, N. Yu

Monitoring Well Data:

Well No.: MW-13A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 7.18



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required:				±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1141											Start
1144				14.56	1.71	658	0	7.72	-115		
1147				14.02	1.92	275	0	7.61	-119		
1150				13.66	2.03	197	0	7.54	-115		
1153				13.54	1.94	138	0	7.49	-107		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-13A @ 1200

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Former Buffalo Chiller
Ref. No.:

Date: 11/9/22
Personnel: J. Williams
N. YU

Monitoring Well Data:

Well No.: MW-11
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 5.90

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required:				±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1229				[illegible]6							Start
1234				15.26	0.907	0	0	7.75	43		
1237				15.39	0.893	0	0	7.53	44		
1240				15.45	0.881	0	0	7.48	41		
1243				15.43	0.884	0	0	7.47	33		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-11 @ 1230

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

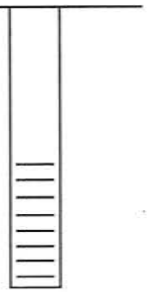
Project Name: Former Buffalo China
Ref. No.:

Date: 11/9/22
Personnel: J. Williams
N. Yu

Monitoring Well Data:

Well No.: MW-15A
Vapour PID (ppm):
Measurement Point:
Constructed Well Depth (m/ft):
Measured Well Depth (m/ft):
Depth of Sediment (m/ft):

Saturated Screen Length (m/ft):
Depth to Pump Intake (m/ft)[1]:
Well Diameter, D (cm/in):
Well Screen Volume, V_s (L)[2]:
Initial Depth to Water (m/ft): 10.69



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level[3] (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged[4]
Precision Required:				±3 %	±3 %	±10 %	±10 %	±0.1 Units	±10 mV		
1326											Start
1329				16.42	2.07	446	0	7.65	28		
1332				16.29	2.20	736	0	7.46	-60		
1335				15.98	2.21	507	0	7.38	-57		
~~1338~~											
1341				15.82	2.20	469	0	7.33	-52		
1344				15.58	2.20	292	0	7.27	-49		

Notes:

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s=\pi*(r^2)*L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s=\pi*(r^2)*L*(2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

MW-15A @ 1400