



Periodic Review Report

Parkchester Crossing
1590 White Plains Road
Bronx, New York

May 15, 2023

Prepared for:

ZP Realty, LLC
1 Penn Plaza, Suite 4000
New York, New York 10019

Prepared by:

**Roux Environmental Engineering
and Geology, D.P.C.**
209 Shafter Street
Islandia, New York 11749

Table of Contents

Table of Contents i

Executive Summary 1

1. Introduction 2

2. Site Overview 3

 2.1 Site Description and History 3

 2.2 Summary of Remedial Action 3

 2.2.1 Remedial Action Objectives 4

 2.2.2 Description of Selected Remedy..... 4

 2.3 Remaining Contamination 6

 2.3.1 Soil 6

 2.3.2 Groundwater 7

 2.3.3 Soil Vapor 7

 2.4 Institutional and Engineering Controls 8

 2.4.1 Institutional Controls 8

 2.4.2 Engineering Controls 8

3. SMP Requirements and Compliance Monitoring 10

 3.1 IC/EC Plan Compliance Report 10

 3.1.1 Notifications..... 10

 3.2 Inspections..... 11

 3.3 Monitoring Plan Compliance Report..... 11

 3.3.1 Site Cover System 12

 3.3.2 Groundwater Monitoring, Gauging and Sampling..... 13

 3.3.3 Soil Vapor Intrusion Assessment 14

4. Overall PRR Conclusions and Recommendations 15

Tables

- 1. Groundwater Elevation Measurements
- 2. Summary of Volatile Organic Compounds (VOCs) in Groundwater
- 3. Summary of Per- and Polyfluoroalkyl (PFAS) Substances in Groundwater

Figures

- 1. Site Location Map
- 2. Site Cover As-Built
- 3. Remaining Soil Contamination

Table of Contents (Continued)

Appendices

- A. NYSDEC Site Management Plan and Sample Reduction Approvals
- B. Laboratory Data
- C. IC/EC Certification Form
- D. Site Inspection Checklist and Photo Log

Plate

- 1. Volatile Organic Compounds in Groundwater (Pre- and Post-ISCO)

Executive Summary

This Periodic Review Report (PRR) has been prepared by Roux Environmental Engineering and Geology, D.P.C. (Roux) on behalf of ZP Realty LLC (current site owner) and serves as a required element of the remedial program for the Parkchester Crossing site located at 1590 White Plains Road in the Parkchester neighborhood of the Bronx, New York (hereinafter referred to as the Site). The Site is enrolled in the New York State (NYS) Brownfield Cleanup Program (BCP), which is administered by the New York State Department of Environmental Conservation (NYSDEC) and has been assigned Site Number C203079. The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index #C203079-03-15, which was executed on May 5, 2015, and a Certificate of Completion was issued by NYSDEC for the Site on December 23, 2019.

The following sections provide a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, and reporting activities completed in accordance with the Site Management Plan (SMP), dated December 9, 2019, which was approved by NYSDEC on December 18, 2019, and an email from the NYSDEC dated June 13, 2022 which approved the reduction of groundwater monitoring wells sampled to three wells (MW-5, MW-9R, and MW-11R) and the sampling frequency from quarterly to annually. The required Site-wide inspection and annual groundwater monitoring of wells MW-5, MW-9R, and MW-11R were completed during this SMP monitoring phase from April 2022 to April 2023. The components, data, and rationale included in this PRR demonstrate that the engineering and institutional controls (IC/ECs) are performing as designed, are effective, and are compliant with specifications described in the SMP. Appendix A includes the NYSDEC Site Management Plan Approval and the email from NYSDEC's approving the groundwater sampling reduction.

The results of the baseline and post-remediation groundwater samples for volatile organic compounds (VOCs) were compared to NYSDEC Ambient Water-Quality Standards and Guidance Values (AWQSGVs) and are presented in Table 1 and on Plate 1. Results for this groundwater sampling event saw significant reductions in chlorinated VOCs and petroleum-related VOCs reductions from their highest concentrations observed. These results continue to support the conclusion that VOC concentrations have been reduced at the Site for the constituents of concern. No other changes to the monitoring plan are recommended.

1. Introduction

This Periodic Review Report (PRR) was prepared by Roux Environmental Engineering and Geology, D.P.C. (Roux) on behalf of ZP Realty LLC (ZP Realty; current site owner) and serves as a required element of the remedial program for the Parkchester Crossing site located at 1590 White Plains Road in the Parkchester neighborhood in the County of the Bronx, New York (hereinafter referred to as the Site). A Site Location Map is attached as Figure 1. This PRR documents post-remediation activities performed at the Site from April 2022 through April 2023.

ZP Realty entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC on May 5, 2015 (Site Number C203079) to investigate and remediate the 1.493-acre property located at the above address identified as Block 3952 and Lots 1, 7, 8, 17 and 23 on the Bronx County Tax Map. The property was remediated to allow for restricted residential use, and the redevelopment plans for the property have yet to be finalized. The Site Management Plan (SMP), dated December 9, 2019, was approved by NYSDEC on December 18, 2019, and the Certificate of Completion (COC) for the Site was issued by NYSDEC on December 23, 2019.

Site management activities, reporting, and Institutional Control (IC)/Engineering Control (EC) certification are scheduled on a certification period basis. This certification is based on the submission of a PRR (included herein), submitted to the NYSDEC every year beginning sixteen months after the COC was issued. This PRR is the third PRR issued for the Site. These PRRs will identify and assess all the IC/ECs required by the remedy for the Site, any environmental monitoring data and/or information generated during the reporting period, and a complete Site evaluation which discusses the overall performance and effectiveness of the previous remedy.

2. Site Overview

2.1 Site Description and History

The Site is located in the Parkchester neighborhood in the County of Bronx, New York and is identified as Block 3952 and Lots 1, 7, 8, 17 and 23 on the Bronx County Tax Map. The Site is an approximately 1.493 - acre area and is bounded by East Tremont Avenue to the North, Guerlain Street to the South, White Plains Road to the West and Unionport Road to the east (Figure 2). The Site is currently vacant, and all buildings formerly located at the Site have been demolished. According to the Phase I Environmental Site Assessment (ESA) conducted in 2014, the Site was sparsely developed until 1950. Historical Site operations included a gasoline filling station, multiple dry cleaners, a bowling alley, a dentist's office and several commercial businesses. Lots 1, 7, 17, 23 and a portion of Lot 8 of the Site are currently zoned R6 with a C1-2 overlay. A portion of Lot 8 of the Site is currently zoned C8-1.

Previous environmental site assessments identified several Areas of Concern (AOCs) (including historical and existing underground storage tanks [USTs], aboveground storage tanks [ASTs], and previous use as a drycleaner) across the Site. The Remedial Investigation (RI) completed in 2018 confirmed that soil at the Site was impacted with volatile organic compounds (VOCs), metals, polycyclic aromatic hydrocarbons (PAHs), pesticides/herbicides and polychlorinated biphenyls (PCBs).

Site soils were likely impacted through inadvertent releases to the subsurface (e.g., spills or overfills of petroleum products and chlorinated solvents) from historic operations at the Site, which resulted in localized hot spots in the soil. In addition to the contamination found in the hot spots, there is also more widespread contamination of PAHs and heavy metals associated with urban fill materials throughout the Site. The northwest portion of the Site where former gasoline/filling station activities took place and a localized area near a former dry cleaner contained high concentrations of VOCs in the soil. In Lot 1, the presence of the chlorinated VOC tetrachloroethylene (PCE) was detected in both the soil and a localized groundwater sample, indicating that this contaminant had migrated from the soil into the groundwater.

The sources of VOCs in the groundwater were primarily associated with past Site uses and an off-Site, upgradient source that is migrating onto the Site. Site-wide detections indicate that soil vapor at the Site is also contaminated with VOCs. The release of VOCs into the soil vapor also occurred through inadvertent releases into the soil. The highest concentrations of petroleum-related VOCs in soil vapor were found around Lot 8, while the highest detection of chlorinated VOCs (CVOCs) was identified in Lot 23 and Lot 1 (near the former location of the on-Site dry cleaners).

2.2 Summary of Remedial Action

The Site was remediated in accordance with the NYSDEC-approved Interim Remedial Measure (IRM) Work Plan dated September 2016 and the NYSDEC-approved Remedial Investigation Report/Remedial Action Work Plan (RIR/RAWP) dated August 2019. ZP Realty began remediation at the Site in 2016. The remainder of the remediation was completed in 2019. All remedial work was done with oversight, understanding, and direction from the NYSDEC.

Based on the results of the RI, the Decision Document (DD) identified the following Remedial Action Objectives (RAOs) for this Site.

2.2.1 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site as listed in the DD dated September 2019 are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.

RAOs for Environmental Protection

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

Soil Vapor

RAOs for Public Health Protection

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

2.2.2 Description of Selected Remedy

The Site was remediated in accordance with the remedy selected by the NYSDEC in the RAWP and DD. Due to field conditions encountered and deviations from the RAWP described in the Final Engineering Report (FER) dated December 2019, it was determined that it was impractical to achieve a Track 1 cleanup in Lot 8. As such, a Track 4 remedy was implemented across the entire Site, as had been described as a contingency in the RAWP. The factors considered during the selection of the remedy are those listed in Title 6 of the New York Code of Rules and Regulations (6 NYCRR) 375-1.8. The following are the components of the Track 4 remedy as specified in the approved RAWP:

1. Completion of IRM in accordance with the NYSDEC-approved IRM Work Plan dated September 9, 2016 that included: cleaning and removal of ASTs and USTs located in Lots 7, 8, 17 and 23. In addition, two excavations were performed in accordance with the procedures outlined in the IRM Work Plan as approved through discussions with the NYSDEC on July 10, 2019. This scope included the excavation and off-Site disposal of all Area of Concern 2 (AOC-2) soil (primarily on Lot 8) which exceeded the **Track 4 restricted residential** use soil cleanup objectives (Restricted Residential SCOs) and/or **protection of groundwater** SCOs (PoGW SCOs) for VOCs, as defined by 6 NYCRR Part 375-6.8. Additionally, all soils in Lot 1 which exceeded the **Track 4 restricted residential** SCOs for VOCs and/or **PoGW** SCOs for VOCs were excavated and transported off-Site for disposal (this work was identified as AOC-3). Approximately 12,514.18 tons of soil were removed from the Site. This included 10,000.11 tons of soil exceeding the Restricted Residential SCOs for VOCs and/or PoGW SCOs for VOCs from AOC-2 and 1,652.87 tons of soil exceeding the Restricted Residential SCOs for VOCs and/or PoGW SCOs for VOCs in AOC-3. The SCOs for the Site were provided in Table 1 of the FER. Additional excavation and off-site disposal of 861.2 tons was also performed to facilitate placement of the Site-wide cover system and achieve future site redevelopment grades.
2. Installation of support of excavation (SOE) and/or sloping as needed for remedial excavations.
3. Site monitoring of potential airborne VOCs and particulates in accordance with a NYSDEC-approved Community Air Monitoring Plan (CAMP) during all ground intrusive and soil handling activities.

4. Implementation of dust and odor suppression techniques during all ground intrusive and soil handling activities.
5. Implementation of soil erosion and sediment controls.
6. Screening for indications of contamination (by visual means, odor, and monitoring with photoionization detector [PID]) in all excavated soil during all ground intrusive activities.
7. Collection and analysis of Site-wide endpoint samples to evaluate the performance of the remedy with respect to attainment of Track 4 Restricted Residential SCOs in accordance with NYSDEC's Technical Guidance for Site Investigation and Remediation (DER-10).
8. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) was brought in to replace the excavated soil and establish the designed grades at the Site.
9. A Site cover system was installed to allow for **restricted residential** use of the Site in areas where the upper **two feet** of exposed surface soil exceeds the applicable SCOs. The Site cover consists of a minimum of **two feet of clean replacement fill** placed over a demarcation layer, with the upper six inches consisting of gravel to allow for future redevelopment. Cover material, including any fill material brought to the Site meets the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d).
10. Appropriate off-Site disposal of all material removed from the Site in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal.
11. All responsibilities associated with the Remedial Action (RA), including permitting requirements and pretreatment requirements, were addressed in accordance with all applicable Federal, State and local rules and regulations.
12. Groundwater remediation consisting of *in situ* treatment of groundwater beneath Lots 1 (AOC-3) and 23 (AOC-4) that is impacted with chlorinated VOCs and treatment of groundwater beneath AOC-2 that is impacted with petroleum VOCs. The treatment areas are shown on Figure 2. The final design for the *in situ* groundwater treatment was provided as a separate NYSDEC-approved Groundwater Remediation Work Plan dated September 2019.

Starting on October 2, 2019, a single round of *in situ* ISCO injections/direct placement was conducted to address VOCs in groundwater and soil in AOC-2, AOC-3 and AOC-4.

AOC-2

In AOC-2, the chemical oxidant PersulfOx® was used in conjunction with the oxygen release compound ORC Advanced® to address VOCs in soil and groundwater. The IRM/RA included excavation down to 23-24 ft bls in AOC-2. In the area of open excavation within AOC-2, 3,306 lbs. of PersulfOx® and 771 lbs of ORC Advanced® were applied directly to the excavation bottom at approximately 23-24 ft bls prior to backfill.

During the RA, the excavation limits on the western side of AOC-2 were reduced due to the incompatibility of a slide rail SOE system with the conditions encountered (shallow bedrock, large boulders, and concrete). A 1:1 sloping system was implemented as a replacement. As a result, all soil exceeding applicable SCOs was not able to be removed from this area. In the 1:1 sloped area on the western side of AOC-2, PersulfOx® (15% solution with water) and ORC Advanced® (30% solution with water) was injected at a total of 16 temporary locations via direct push methods. The injections were spaced 8 feet apart with an average injection volume of 40 gallons per point (55 lbs. of PersulfOx® and 13 lbs. of ORC Advanced®) to treat petroleum-related VOCs present within the groundwater table down to bedrock (approximately 20-24 ft bls). The total injected application volume was 882 lbs. of PersulfOx® and 200 lbs. of ORC Advanced®.

AOC-3/AOC-4

For AOC-3 and AOC-4, the chemical oxidant PersulfOx® was injected at a total of 110 temporary locations via direct push methods as a 19% solution with water. The spacing between injection points and application depths were evaluated for each area to meet the required application volumes for effective CVOC reductions in groundwater. For AOC-3, 42 injections were spaced 10 feet apart with an average injection volume of 143 gallons per point (256 pounds of PersulfOx®) to treat CVOCs present within the groundwater table down to bedrock, which varied from 4 ft bls to a depth of 20 ft bls. The total application volume was 6,026 gallons (10,745 pounds of PersulfOx®). For AOC-4, 68 injections were spaced approximately 10 feet apart with an average injection volume of 101 gallons per point (181 pounds of PersulfOx®) to treat CVOCs present from 2 ft bls to 8 ft bls. The total application volume was 6,892 gallons (12,287 pounds of PersulfOx®).

Post-Treatment Groundwater Sampling

To verify the efficacy of the *in situ* groundwater treatment, one round of performance groundwater samples and associated field parameters (i.e., ORP, dissolved oxygen, pH, turbidity, conductivity) was collected in monitoring wells on November 5, 2019. Figure 4 of the SMP shows the location of the monitoring wells and the analytical results from the RI, the baseline round in September 2019 and the post-SMP injection round in November 2019. The groundwater results indicate an overall decreasing trend from the RI groundwater results.

Remedial activities for soil and groundwater were completed at the Site in October 2019. Additional details of the RAWP implementation and completion are documented fully in the FER.

2.3 Remaining Contamination

As discussed above, a Track 4 Cleanup was achieved for the Site.

2.3.1 Soil

The RA included the excavation and off-Site disposal of all AOC-2 soil (primarily on Lot 8) that exceeded the Track 4 Restricted Residential SCOs and/or PoGW SCOs for VOCs. Additionally, all soils in Lot 1 which exceeded the Track 4 restricted residential SCOs and/or PoGW SCOs for VOCs were excavated and transported off-Site for disposal (this work was identified as AOC-3). Additional excavation was also performed to facilitate placement of the Site wide cover system and to achieve future site redevelopment grades. Clean soil, recycled concrete aggregate from a NYSDEC-registered construction and demolition processing facility and crushed stone from virgin sources was utilized as needed for backfilling/grading purposes.

Prior to installing the Site Cover System, surficial soil samples were collected to characterize the areas of remaining contamination at the Site. These documentation samples were collected from 0-1 ft below the post excavation grade, at a frequency of 1 sample per 3,000 square feet. A total of 27 (plus two duplicate) soil samples were collected and analyzed for:

- Part 375 VOCs;
- Part 375 SVOCs;
- Part 375 Metals;
- Part 375 Pesticides;
- PCBs;

- Part 375 Herbicides; and
- Hexavalent/Trivalent Chromium.

These documentation sample locations, along with samples from the RI that exceeded applicable SCOs, are shown on Figure 5 of the SMP, which defines the remaining contamination on-Site. The results of the documentation endpoint samples, are presented in Tables 3 through 6 of the SMP.

Future contact with contaminated soil was addressed by installing a Site Cover System across the Site which is depicted in Figure 2.

2.3.2 Groundwater

Groundwater was remediated using *in situ* chemical oxidation. One round of treatment was performed. To assess the performance of the *in situ* groundwater remediation, a groundwater monitoring program was established that included two components: baseline sampling completed during September 2019 and performance monitoring completed on a quarterly basis thereafter (November 2019, September 2020, December 2020, April 2021, June 2021, September 2021, December 2021, and March 2022). Sampling was not performed in March or June 2020 as a result of the COVID-19 pandemic. The sampling, sample handling, decontamination, and field instrument calibration procedures was performed in accordance with established procedures for the Site. The monitoring well network included monitoring wells MW-5, MW-7, RMW-9R, RMW-11R, RMW-12R and RMW-13, and RMW-14.

Following submittal of the 2022 PRR, NYSDEC approved Roux's request to reduce the number of groundwater monitoring wells sampled to three wells (RMW-5, RMW-9R, and RMW-11R) and reduce the sampling frequency from quarterly to annually. As such, the annual performance monitoring sampling event for this reporting period occurred on September 8, 2022 on the reduced monitoring well network.

During each monitoring event, all wells were gauged using an electronic interface probe capable of detecting non-aqueous phase liquid (NAPL) with an accuracy of +/- 0.01 feet. Groundwater samples were collected from all monitoring wells as none exhibited any NAPL¹. Samples were analyzed for TCL VOCs.

Gauging data and groundwater quality data collected during the completion of the RA is summarized in Tables 2 and 6 of the SMP, respectively. All groundwater sampling results generated under the SMP have been submitted to the NYSDEC in EDD format.

2.3.3 Soil Vapor

Table 7 and Figure 6 of the SMP summarize the results of historical soil vapor samples. While excavation and groundwater treatment activities completed during the RA may have reduced the soil vapor concentrations, residual contamination could contribute to soil vapor intrusion (SVI) for the planned future development.

If required, soil vapor sampling may be performed as part of an SVI assessment prior to future building construction where foundations are located above the water table, and in the event that the potential for soil vapor intrusion is determined to exist at the time of redevelopment. If additional soil vapor sampling is required, locations will be selected in coordination with NYSDEC/NYSDOH.

¹ Monitoring well RMW-12 was not sampled during the December 2021 event due to flooding.

2.4 Institutional and Engineering Controls

Since residual contamination remains beneath the Site, ICs/ECs have been incorporated into the Site remedy as part of the NYSDEC-approved SMP, to provide proper management of residual contamination in the future to ensure protection of public health and the environment.

2.4.1 Institutional Controls

A Site-specific Environmental Easement has been recorded with the Bronx County Clerk that provides an enforceable means to manage the remaining contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. The ICs presented in the SMP consist of the following:

- The property may be used for restricted residential (or less restrictive uses) as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 of the SMP, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the site are prohibited, with the exception of raised planters.

2.4.2 Engineering Controls

The Site has ECs consisting of:

- Site Cover System; and
- *In Situ* Groundwater Treatment.

The purpose of each EC is described below:

- The Site Cover System prevents exposure to remaining contamination in soil/ fill at the Site.
- The *in situ* groundwater treatment will destroy the residual VOCs in groundwater and soil that were present after completion of the excavation remedy.

Site Cover System EC is fully in place and effective at meeting their objectives. There is no need for further *in situ* groundwater treatment at this time.

3. SMP Requirements and Compliance Monitoring

Since remaining contaminated soil exists beneath the Site, ICs and ECs are required to protect human health and the environment. This section details the elements of the SMP including the inspection, monitoring, and reporting requirements, IC/ECs, whether the IC/EC requirements were met, and regulatory notification and certification requirements. The various subsections below also include an evaluation of the remedy performance, effectiveness, and protectiveness.

3.1 IC/EC Plan Compliance Report

Since remaining contamination exists beneath the Site, ICs and ECs are required to protect human health and the environment and are described in detail in Section 2.4.

For each IC or EC identified for the Site, I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the ICs and ECs required by the remedial program was performed under my direction;
- The ICs and/or ECs employed at this Site are unchanged from the date the control was put in place, or last approved by the NYSDEC;
- Nothing has occurred that would impair the ability of the controls to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with the SMP for these controls;
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of these controls;
- Use of the Site is compliant with the environmental easement;
- The EC systems are performing as designed and are effective;
- 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;
- The information presented in this report is accurate and complete; and
- I certify that all information and statements in this certification form 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, Noelle M. Clarke, P.E., of Roux Environmental Engineering and Geology, D.P.C., am certifying as the Owner's Designated Site Representative for the Site.

An IC/EC Certification Form for the controls that are currently in place is included as Appendix D.

3.1.1 Notifications

Notifications will be submitted by the property owner to the NYSDEC as needed for the following reasons:

- 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA, 6NYCRR Part 375, and/or Environmental Conservation Law.
- 15-day advance notice of any proposed ground-intrusive activities pursuant to the EWP.
- Notice within 48-hours of any damage or defect to the foundation, structures, or EC that reduces or has the potential to reduce the effectiveness of an EC and likewise any action to be taken to mitigate the damage or defect.

- Verbal notice by noon of the following day of any emergency, such as a fire, flood, or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action shall be submitted to the NYSDEC within 45 days and shall describe and document actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the Site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser has been provided with a copy of the BCA, and all approved work plans and reports, including the SMP.
- Within 15 days after the transfer of all or part of the Site, the new owner's name, contact representative, and contact information will be confirmed in writing.

No notifications to the NYSDEC were required during the reporting period.

3.2 Inspections

All inspections were conducted at the frequency specified in the schedules provided in the following Monitoring Plan Reporting section of this PRR. At a minimum, one Site-wide Cover System and one comprehensive Site-wide inspection are to be conducted annually (starting no more than 15 months after the issuance of the COC) per the SMP. Details of requirements and completed inspections are provided in the following sections. Inspections of remedial components will also be conducted when a severe condition has taken place, such as power interruption or fire that may affect the ECs. The inspections determine and document the following:

- IC/ECs are in place, are performing properly, and remain effective;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria;
- Sampling and analysis of appropriate media during monitoring events;
- If Site records are complete and up to date; and
- Changes, or needed changes, to the remedial or monitoring system.

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the Site by a qualified environmental professional as determined by NYSDEC.

3.3 Monitoring Plan Compliance Report

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site, the Site cover system, and all affected Site media identified below. Components of the Monitoring Plan are:

- Sampling and analysis of all appropriate media (e.g., groundwater).

- Assessing compliance with applicable NYSDEC standards, criteria and guidance, particularly ambient groundwater standards and Part 375 SCOs for soil.
- Assessing achievement of the remedial performance criteria.
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.
- Preparing the necessary reports for the various monitoring activities.

Monitoring of the performance of the remedy and overall reduction in contamination onsite will be conducted for the periods specified for each matrix listed in table below. The frequency thereafter will be determined in consultation with NYSDEC and based on reports submitted showing contaminant trends.

Monitoring Program	Frequency	Matrix	Analysis
Site-wide Cover System	Annually, first inspection to occur no more than 15 months after issuance of COC or upon completion of redevelopment, whichever occurs first.	Soil	Confirm Site-Wide Cover System has not been compromised.
Site-Wide Inspection	Annually, first inspection no more than 15 months after issuance of the COC.	Soil	Confirm compliance with all ICs and effectiveness of ECs.
Groundwater	Quarterly for VOCs for the first 2 years, and annually thereafter. Every three years for polyfluoroalkyl (PFAS) substances. Any change in frequency will need to be approved by the NYSDEC.	Groundwater	Collect samples and analyze for Target Compound List (TCL) VOCs (USEPA Method 8260) and PFAS substances (USEPA Method 537).
Soil Vapor Intrusion Evaluation Completion of a soil vapor intrusion evaluation as part of any future proposed redevelopment. If additional soil vapor sampling is required, locations will be selected in coordination with NYSDEC/NYSDOH.	Determine the potential for vapor intrusion into any proposed Site buildings located above the water table. Soil vapor quality will be evaluated prior to construction of any future buildings. The evaluation will include a provision for implementing actions recommended to address exposures related to soil vapor intrusion prior to occupancy, if necessary.	Soil Vapor	To be completed prior to building construction. Any monitoring or mitigation actions recommended to address exposures will be memorialized in an addendum to the SMP.

* The frequency of events will be conducted as specified above until otherwise approved by NYSDEC and NYSDOH. Although not anticipated, monitoring wells that have NAPL present will not be sampled.

A record of the findings of each monitoring/inspection event and resulting in maintenance activity performed, where applicable, will be kept in a dedicated logbook and documented on the Site Inspection Checklist described in further detail below. If at any time during the reporting period the Volunteer identifies a failure of one or more of the ECs or non-compliance with one or more of the ICs, the remedial party must notify NYSDEC and implement corrective measures, in accordance with a Corrective Measures Work Plan (CMWP) submitted to and approved by NYSDEC and provide a periodic certification of the IC/ECs.

3.3.1 Site Cover System

Exposure to remaining contamination at the Site is prevented by the engineered Site Cover System comprised of the clean soil/recycled concrete aggregate/gravel cover.

The location and details of the Site cover system are shown on Figure 2. Monitoring of the Site cover system will occur on an annual basis as long as the Environmental Easement is in effect to ensure the system's integrity. Monitoring will consist of visual inspection.

On March 3, 2022, Roux performed a Site cover system and Site-wide inspection. The completed Site Inspection Checklist is provided in Appendix E. This inspection determined that all Site cover system elements described herein were observed to be performing as designed during the reporting period of the PRR and are protective of human health and the environment. Photographs taken during the Site-wide inspection are provided in the Photo Log included in Appendix E.

3.3.2 Groundwater Monitoring, Gauging and Sampling

The monitoring well network, defined in the SMP, includes monitoring wells RMW-5, RMW-7, RMW-9R, RMW-11R, RMW-12R, RMW-13 and RMW-14. Following submittal of the 2022 PRR, NYSDEC approved Roux's request to reduce the number of groundwater monitoring wells sampled to three wells (RMW-5, RMW-9R, and RMW-11R) and reduce the sampling frequency from quarterly to annually. As such, the annual performance monitoring sampling event for this reporting period occurred on September 8, 2022 on the reduced monitoring well network. Prior to groundwater sample collection, an electronic oil/water interface-probe indicator was utilized to gauge the water level and to determine the presence of NAPL within each of the monitoring wells. NAPL was not observed within the monitoring well network during all groundwater monitoring events within this reporting period. A summary of the groundwater gauging data for the monitoring wells required under the SMP is provided as Table 1.

During this reporting period, the annual groundwater sampling event was completed in September 2022. Laboratory data associated with the sampling event is attached (Appendix B). Groundwater samples were collected from monitoring wells MW-5, RMW-9R, and RMW-11R and were sampled for TCL VOCs by USEPA Method 8260C. All groundwater samples were collected in appropriate laboratory-provided containers and were transported to Alpha Analytical of Westborough, Massachusetts, a NYSDOH Environmental Laboratory Approval Program (ELAP)-approved laboratory, in ice-filled coolers under chain of custody procedures. Analytical results for the groundwater samples collected during the reporting period are included in Table 2 and summarized in Plate 1.

Purged groundwater generated during the groundwater sampling events was containerized in labeled 55-gallon drums and stored onsite. The sample collection, sample handling, decontamination, and field instrument calibration procedures were performed in accordance with procedures detailed in the SMP.

A summary of the groundwater analytical results for samples collected during this reporting period is included below.

- VOCs were detected in all three monitoring wells sampled during the reporting period. Concentrations of VOCs at the three monitoring wells (MW-5, RMW-9R, and RMW-11R) exceeded the NYSDEC Ambient Water-Quality Standards and Guidance Values (AWQSGVs). VOCs that exceeded the AWQSGVs include benzene, cis- and trans-1,2-dichloroethylene, PCE, trichloroethylene (TCE), chloroform, vinyl chloride and/or xylenes.
- While there are still concentrations of VOCs above AWQSGVs, the concentrations and areal extent of VOC concentrations from the September 2022 sampling event have generally decreased or stayed relatively consistent when compared with data from previous sampling events with the exception of chloroform and cis- and trans-1,2-dichloroethylene. Chloroform was detected for the first time at the Site in monitoring well RMW-5 above its AWQSGV. Chloroform is not a Site-COC and is typically associated with leaking sewer or potable water lines, which aligns with monitoring well RMW-5's

proximity to the water and sewer lines running under Guerlain Street. Cis- and trans-1,2-dichloroethylene have increased as they are degradation by products of PCE.

- Benzene and xylenes at monitoring well RMW-9 are the only petroleum-related VOC present in groundwater at concentrations in exceedance of the AWQSGVs. In addition, the groundwater sample results demonstrate that the chlorinated VOCs in groundwater continue to show signs of degradation as a result of the remedial action.

3.3.3 Soil Vapor Intrusion Assessment

An SVI assessment work plan will be prepared and submitted to the NYSDEC and the NYSDOH for approval, upon the review of the submitted redevelopment design. The SVI assessment will evaluate the potential for SVI for each building where an SVI evaluation is proposed. The SVI evaluation will be completed prior to occupation of the buildings.

4. Overall PRR Conclusions and Recommendations

The following section presents conclusions from inspections and monitoring activities and recommendations.

1. The ICs and ECs are performing as designed, are effective, and are compliant with specifications described in the SMP and/or described in the PRR.
2. Completion of the SVI evaluation is anticipated to be completed once redevelopment plans are received and reviewed.
3. The results of the baseline and post-remediation groundwater samples for volatile organic compounds (VOCs) (detections only) are compared to NYSDEC AWQSGVs and presented in Table 2. Results for this groundwater sampling event saw significant reductions in chlorinated VOCs and petroleum-related VOCs reductions from their highest concentrations observed. These results continue to support the conclusion that VOC concentrations have been reduced at the Site for the constituents of concern.
4. No changes to the monitoring plan are recommended.

Respectfully submitted,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

A handwritten signature in cursive script, appearing to read "Rachel Henke".

Rachel Henke
Senior Scientist

A handwritten signature in cursive script, appearing to read "Noelle Clarke".

Noelle Clarke, P.E.
Principal Engineer

TABLES

1. Groundwater Elevation Measurements
2. Summary of Volatile Organic Compounds (VOCs) in Groundwater
3. Summary of Per- and Polyfluoroalkyl (PFAS) Substances in Groundwater

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

Table 1. Groundwater Elevation Measurements, Parkchester Crossing, 1590 White Plains Road, Bronx, New York

Monitoring Well Identification	Measuring Point Elevation (ft-NAVD 88)	Depth to Water (ft-btoc)	Water Elevation (ft-NAVD 88)	Well Type
RMW-5	51.2	10.56	40.64	Permanent 2" PVC
RMW-9R	53.31	9.59	43.72	Temporary 2" PVC
RMW-11R	50.24	7.62	42.62	Temporary 2" PVC

ft = feet

NAVD88 = North American Vertical Datum of 1988

btoc = below top of well casing

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-5	RMW-5	RMW-5	RMW-5	RMW-5	RMW-5	RMW-7	RMW-7
Sample Date:			06/03/2021	09/02/2021	12/02/2021	03/03/2022	09/08/2022	09/08/2022	06/03/2021	09/02/2021
Normal Sample or Field Duplicate:			N	N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 R	250 R	250 R	250 R	250 U	250 U	250 R	250 R
2,2-Dichloropropane	5	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.62	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-5	RMW-5	RMW-5	RMW-5	RMW-5	RMW-5	RMW-7	RMW-7
Sample Date:			06/03/2021	09/02/2021	12/02/2021	03/03/2022	09/08/2022	09/08/2022	06/03/2021	09/02/2021
Normal Sample or Field Duplicate:			N	N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
Bromoform	50	UG/L	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 UJ
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	1.1 J	2.5 U	2.5 U	12	12	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	0.99 J	3	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	0.99 J	3	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.88 J-	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.71 J	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	3.1	4.4	13	32	1.5	1.5	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-5	RMW-5	RMW-5	RMW-5	RMW-5	RMW-5	RMW-7	RMW-7
Sample Date:			06/03/2021	09/02/2021	12/02/2021	03/03/2022	09/08/2022	09/08/2022	06/03/2021	09/02/2021
Normal Sample or Field Duplicate:			N	N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.24 J	0.86	2.6	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.71 J	2.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation: Sample Date: Normal Sample or Field Duplicate:			RMW-7 09/02/2021 FD	RMW-7 12/02/2021 N	RMW-7 12/02/2021 FD	RMW-7 03/03/2022 N	RMW-9R 06/03/2021 N	RMW-9R 09/02/2021 N	RMW-9R 12/02/2021 N	RMW-9R 03/03/2022 N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.1 J	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.22 J	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 R	250 R	250 R	250 R	250 R	250 R	250 R	250 R
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	0.99 J	2 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U	5 U	3.1 J	3.2 J	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.16 J	3.2	4.2	0.5 U	0.57	0.5 U	59	3.8
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation: Sample Date: Normal Sample or Field Duplicate:			RMW-7 09/02/2021 FD	RMW-7 12/02/2021 N	RMW-7 12/02/2021 FD	RMW-7 03/03/2022 N	RMW-9R 06/03/2021 N	RMW-9R 09/02/2021 N	RMW-9R 12/02/2021 N	RMW-9R 03/03/2022 N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
Bromoform	50	UG/L	2 UJ	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	17	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	1.4 J	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.9	4	2.5 U	2.5 U	2.5 U	12	1.2 J
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.21 J	0.5 U	0.5 U	0.32 J	0.36 J
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	8.2	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-7	RMW-7	RMW-7	RMW-7	RMW-9R	RMW-9R	RMW-9R	RMW-9R
Sample Date:			09/02/2021	12/02/2021	12/02/2021	03/03/2022	06/03/2021	09/02/2021	12/02/2021	03/03/2022
Normal Sample or Field Duplicate:			FD	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 J	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.9	4	2.5 U	2.5 U	2.5 U	24	1.2 J

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-9R	RMW-9R	RMW-11R	RMW-11R	RMW-11R	RMW-11R	RMW-11R	RMW-12R
Sample Date:			03/03/2022	09/08/2022	06/03/2021	09/02/2021	12/02/2021	03/03/2022	09/08/2022	06/03/2021
Normal Sample or Field Duplicate:			FD	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.35 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 R	250 U	250 R	250 R	250 R	250 R	250 U	250 R
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	UG/L	5 U	2 J	1.5 J	5 U	5 U	5 U	5 U	1.8 J
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	3.7	5.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.76
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-9R	RMW-9R	RMW-11R	RMW-11R	RMW-11R	RMW-11R	RMW-11R	RMW-12R
Sample Date:			03/03/2022	09/08/2022	06/03/2021	09/02/2021	12/02/2021	03/03/2022	09/08/2022	06/03/2021
Normal Sample or Field Duplicate:			FD	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
Bromoform	50	UG/L	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 J
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2 J	1 J	1.1 J	2.5 U	1.4 J	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	27	20	21	16	64	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	29 J	22 J	25	20	75	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.4 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 J
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	1.2 J	3.1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.9 J
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.36 J	1.4	63	20	43	41	38	0.29 J
Toluene	5	UG/L	2.5 U	1.6 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.5 J
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-9R	RMW-9R	RMW-11R	RMW-11R	RMW-11R	RMW-11R	RMW-11R	RMW-12R
Sample Date:			03/03/2022	09/08/2022	06/03/2021	09/02/2021	12/02/2021	03/03/2022	09/08/2022	06/03/2021
Normal Sample or Field Duplicate:			FD	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	1.7 J	1.8 J	3.8	3.7	11	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.41 J	20	7.9	23	21	25	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	4.8	4.9	5	2.6	11	1 U
Xylenes	5	UG/L	1.2 J	5.5 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.2 J

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-12R	RMW-12R	RMW-13	RMW-13	RMW-13	RMW-13	RMW-14	RMW-14
Sample Date:			12/02/2021	03/03/2022	06/03/2021	09/02/2021	12/02/2021	03/03/2022	06/03/2021	06/03/2021
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	FD
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 R	250 R	250 R	250 R	250 R	250 R	250 R	250 R
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	UG/L	1.9 J	5 U	5 U	3.7 J	5 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-12R	RMW-12R	RMW-13	RMW-13	RMW-13	RMW-13	RMW-14	RMW-14
Sample Date:			12/02/2021	03/03/2022	06/03/2021	09/02/2021	12/02/2021	03/03/2022	06/03/2021	06/03/2021
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	FD
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	1.4 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	1.6	0.44 J	0.36 J	0.44 J	0.34 J	0.31 J	6.2	6.3
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-12R	RMW-12R	RMW-13	RMW-13	RMW-13	RMW-13	RMW-14	RMW-14
Sample Date:			12/02/2021	03/03/2022	06/03/2021	09/02/2021	12/02/2021	03/03/2022	06/03/2021	06/03/2021
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	FD
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.73	0.65
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-14	RMW-14	RMW-14
Sample Date:			09/02/2021	12/02/2021	03/03/2022
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units			
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 R	250 R	250 R
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U
Acetone	50	UG/L	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

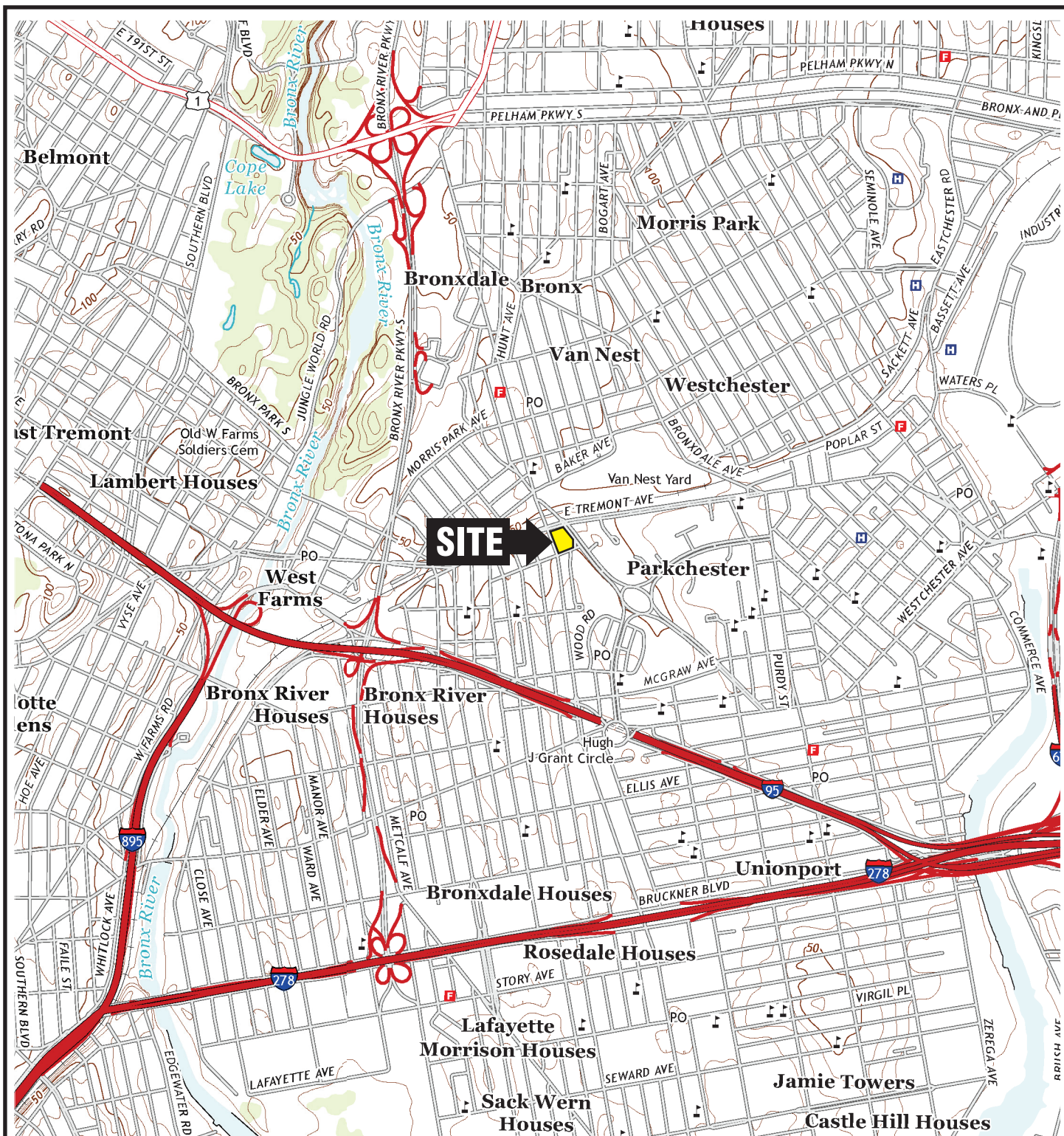
Sample Designation:			RMW-14	RMW-14	RMW-14
Sample Date:			09/02/2021	12/02/2021	03/03/2022
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units			
Bromoform	50	UG/L	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	5.2	3.9	4.8
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 1590 White Plains Road, Bronx, New York

Sample Designation:			RMW-14	RMW-14	RMW-14
Sample Date:			09/02/2021	12/02/2021	03/03/2022
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water- Quality Standards and Guidance	Units			
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 UJ	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.62	0.52	0.41 J
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U

FIGURES

1. Site Location Map
2. Site Cover As-Built
3. Remaining Soil Contamination



QUADRANGLE LOCATION



SOURCE:
USGS; Flushing, NY (2013) and
Central Park, NY-NJ (2013)
7.5 Minute Topographic Quadrangles



0 2000'

Title:

SITE LOCATION MAP

PERIODIC REVIEW REPORT
PARKCHESTER CROSSING
1590 WHITE PLAINS ROAD, BRONX, NEW YORK

Prepared for:

ZP REALTY, LLC

ROUX

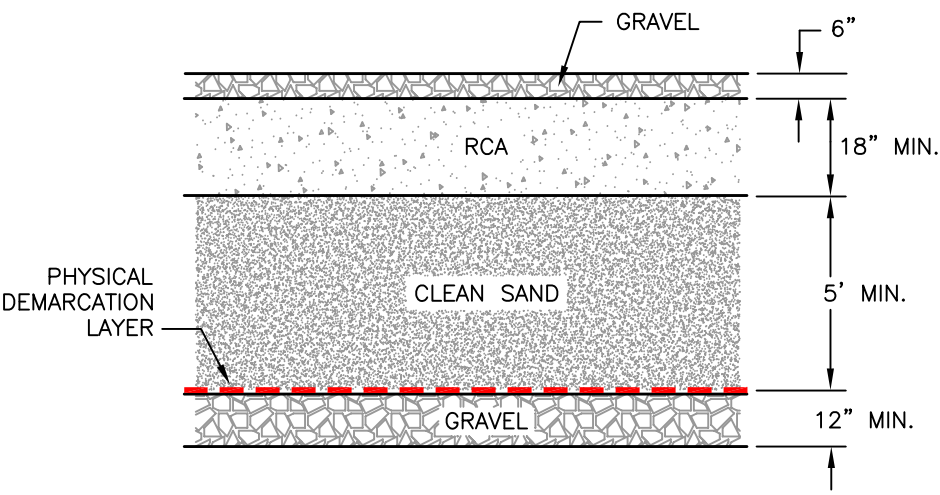
Compiled by: P.K.	Date: 15APR21
Prepared by: G.M.	Scale: AS SHOWN
Project Mgr.: R.H.	Project No.: 2530.0001Y000
File: 2530.0001Y140.01.CDR	

FIGURE

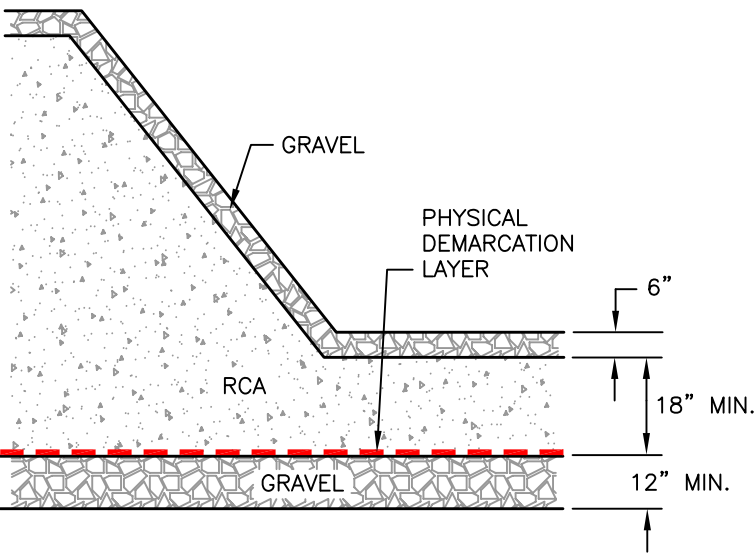
1

LEGEND

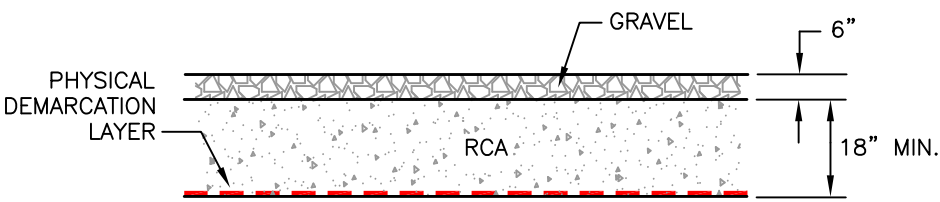
- SITE BOUNDARY
- TAX LOT BOUNDARY
- 17 TAX LOT NUMBER
- CATCH BASIN
- AOC AREA OF CONCERN
- AST ABOVEGROUND STORAGE TANK
- UST UNDERGROUND STORAGE TANK
- LIMITS OF EXCAVATION TO APPROXIMATELY 5 FEET BELOW GRADE SURFACE
- LIMITS OF EXCAVATION TO APPROXIMATELY 23-24 FEET BELOW GRADE SURFACE
- LIMITS OF IN SITU GROUNDWATER REMEDIATION
- SLOPED EXCAVATION
- SITE COVER SYSTEM - TYPE A
- SITE COVER SYSTEM - TYPE B
- SITE COVER SYSTEM - TYPE C



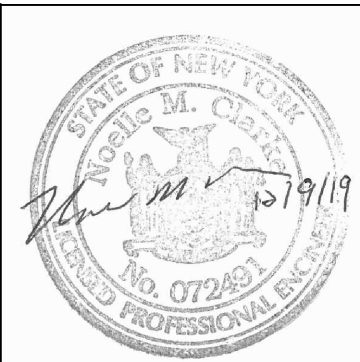
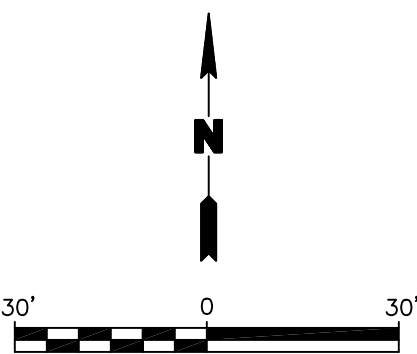
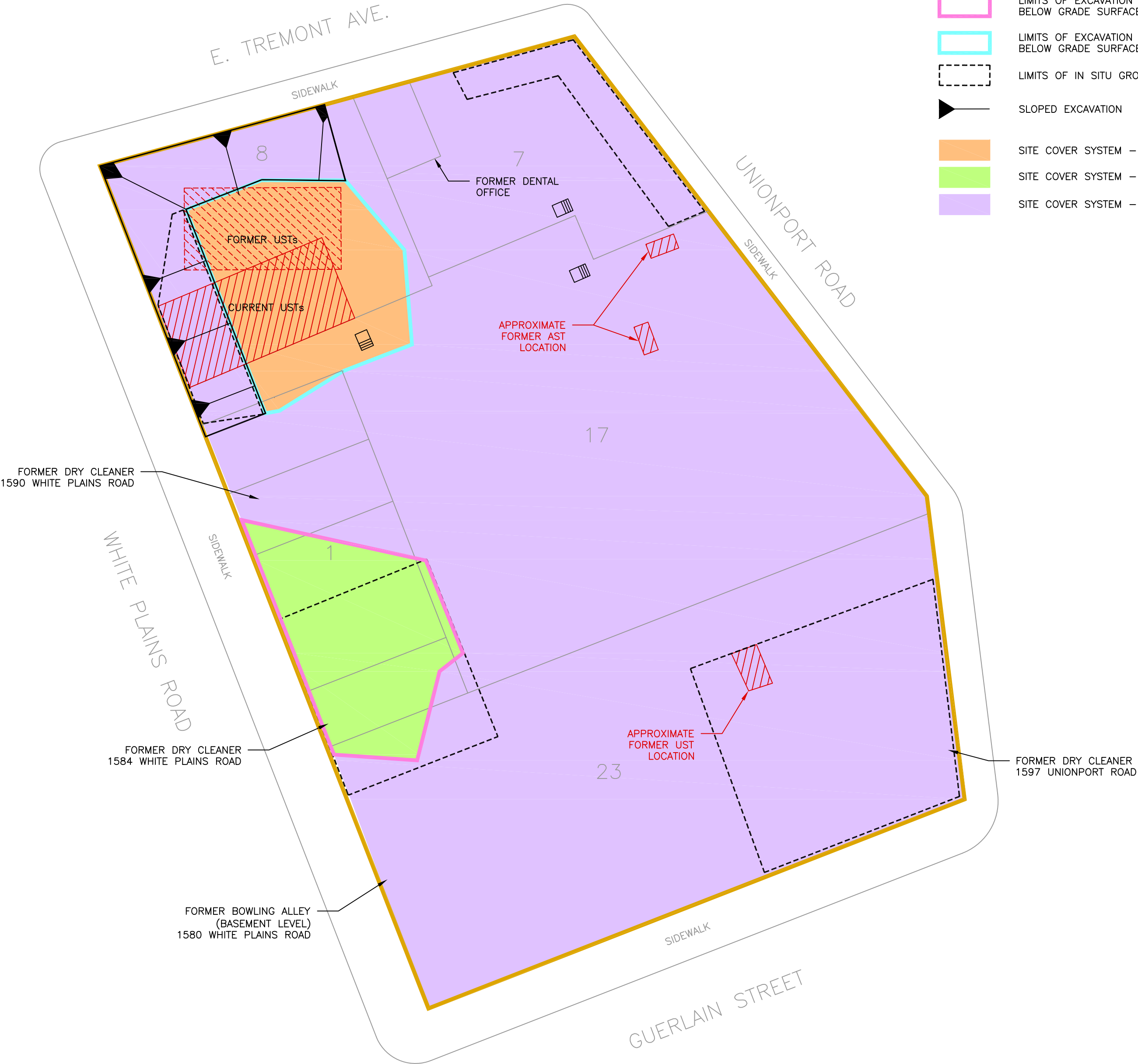
SITE COVER SYSTEM: TYPE A
NOT TO SCALE



SITE COVER SYSTEM: TYPE B
NOT TO SCALE



SITE COVER SYSTEM: TYPE C
NOT TO SCALE



Title:

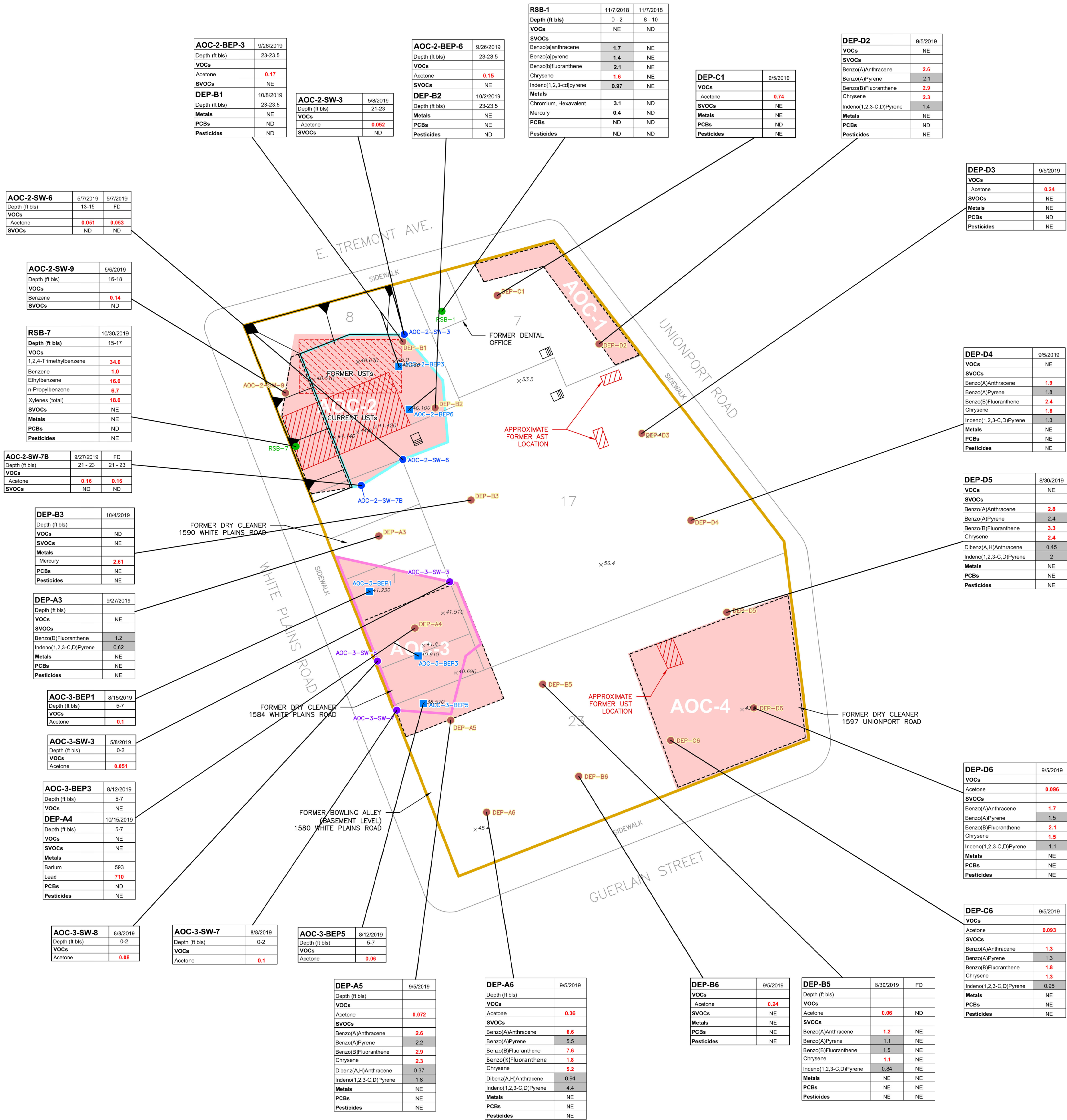
SITE COVER AS-BUILT

PERIODIC REVIEW REPORT
PARKCHESTER CROSSING
1590 WHITE PLAINS ROAD, BRONX, NEW YORK

Prepared for:

ZP REALTY, LLC

Compiled by: P.K.	Date: 15APR21	FIGURE 2
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: R.H.	Project: 2530.0001Y000	
File: 2530.0001Y140.02.DWG		



APPENDICES

- A. NYSDEC Site Management Plan and Sample Approvals
- B. Laboratory Data
- C. IC/EC Certification Form
- D. Site Inspection Checklist and Photo Log

APPENDIX A

NYSDEC Site Management Plan and
Sample Reduction Approvals

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B

625 Broadway, 12th Floor, Albany, NY 12233-7016

P: (518) 402-9767 | F: (518) 402-9773

www.dec.ny.gov

July 29, 2022

ZP Realty LLC
Attn: Joel Wiener
One Penn Plaza, Suite 4000
New York, NY 10119

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter

Parkchester Crossing, Bronx
Bronx County, Site No.: C203079

Dear Joel Wiener:

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: April 23, 2021 to April 23, 2022.

The Department hereby accepts the PRR and associated Certification. Periodic Reviews for this site are due on annual basis, therefore, your next PRR is due on May 23, 2023. You will receive a reminder letter and updated certification form 75 days prior to the due date. Regardless of receipt or not, of the reminder notice, the next PRR including the signed certification form, is still due on the date specified above.

In an email dated June 13, 2022, the Department approved a request from your consultant, Roux Environmental Engineering and Geology, D.P.C. (Roux), to reduce the number of groundwater monitoring wells sampled to three wells (RMW-5, RMW-9R, and RMW-11R) and reduce the sampling frequency from quarterly to annually. Based on the continued presence of volatile organic compounds above Standards, Criteria, and Guidance in monitoring well RMW-11R located in AOC-4, Roux's most recent request to terminate the annual groundwater monitoring is not approved at this time. Rather, monitoring wells RMW-5 and RMW-11R should continue to be sampled on an annual basis. Based on previous discussions with Roux, it is understood that the next round of annual sampling will be performed in September 2022.

If you have any questions, or need additional forms, please contact me at 518-402-9615 or e-mail: ronnie.lee@dec.ny.gov.

Sincerely,



Ronnie Lee
Project Manager



Department of
Environmental
Conservation

ec: S. Quandt
J. O'Connell
M. Sergott
J. Wiener (joel@pinnacleny.com)
R. Henke (rhenke@rouxinc.com)
F. Cherena (fcherena@roux@rouxinc.com)
S. Furman (sfurman@sprlaw.com)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9767 | F: (518) 402-9773
www.dec.ny.gov

December 18, 2019

ZP Realty LLC
Attn: Mr. Joel Wiener
1 Penn Plaza, Suite 4000
New York, NY 10119

RE: **Site Management Plan**
Parkchester Crossing
Site ID No.: C203079

Dear Mr. Wiener:

The New York State Department of Environmental Conservation in consultation with the New York State Department of Health has reviewed the Site Management Plan (SMP), dated December 9, 2019 for the above-referenced site.

The SMP contains a comprehensive plan that provides detailed monitoring provisions and discussion of the Institutional and Engineering Controls developed for the site, as well as provisions for the annual certification of those controls. The SMP is hereby approved.

In accordance with the requirements of the Brownfield Cleanup Agreement, please ensure that the approved SMP is made available at the document repositories located at the New York Public Library – Parkchester Branch, 1985 Westchester Avenue, Bronx, New York 10462 and Bronx Community Board #9, 1967 Turnbull Avenue, Room 7, Bronx, New York 10473, and provide certification that the repositories have been populated with all relevant site-related documents. If it is acceptable to the repositories, the SMP may be submitted in electronic format only on computer disk (CD). In general, electronic documents should be delivered on CD which is CD-R type and “closed” so that no changes can be made to the file on the disk. The disk should contain an Adobe Acrobat® Portable File Document (PDF) file and must be searchable.

If you have any questions, please contact me at 518-402-9767 or via email at ronnie.lee@dec.ny.gov.

Sincerely,



Ronnie E. Lee, P.E.
Project Manager
Remedial Bureau B
Division of Environmental Remediation



Department of
Environmental
Conservation

ec: G. Burke, DEC
J. O'Connell, DEC – Reg. 2
M. Sergott, DOH
R. Henke, Roux
F. Cherena, Roux

APPENDIX B

Laboratory Data



www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2248605

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

Table of Contents

New York ASP Category B Data Deliverable Package.....	1
Table of Contents	2
Sample ID Cross Reference	4
SDG Narrative	5
Data Qualifier Definitions	7
Instrument Information	10
Sample Log-in Sheet	13
Lims COC (LN01)	14
External Chain of Custody	16
Organics Analysis	17
GCMS 8260 Analysis	18
Volatiles QC Summary	19
Form 2 - Organics	20
Form 3 - Organics	21
Form 4 - Organics	28
Form 5 - Organics	30
Form 8 - Organics	33
MDL Study - Volatile Organics 8260	35
Volatiles Sample Data	44
Form 1 - Organics	45
FIELD BLANK 090822 (L2248605-05) Analyzed: 09/12/22 10:29	73
TRIP BLANK (L2248605-06) Analyzed: 09/12/22 10:49	78
RMW-5 (L2248605-01) Analyzed: 09/12/22 11:28	87
RMW-9R (L2248605-02) Analyzed: 09/12/22 11:47	97
RMW-11R (L2248605-03) Analyzed: 09/12/22 12:07	120
DUP090822 (L2248605-04) Analyzed: 09/12/22 12:26	137
Volatile Standards Data	147
Initial Calibration	148
Form 6 - Organics	149
ICAL for VOA130 on 08/22/22 ICAL19274	152
Initial Calibration Summary - Cal Date: 08/22/22 00:00	152
BFB Tune Std Injected on: 08/19/22 13:23	156
STD0.19PPB Injected on: 08/19/22 14:16	157
STD0.5PPB Injected on: 08/19/22 14:35	160
STD2PPB Injected on: 08/19/22 15:15	181
STD10PPB Injected on: 08/19/22 15:54	200
STD30PPB Injected on: 08/19/22 16:14	211
STD80PPB Injected on: 08/19/22 16:33	221
STD120PPB Injected on: 08/19/22 16:53	228
STD200PPB Injected on: 08/19/22 17:12	234
ICV Summary Form Injected on: 08/19/22 18:51	240
ICV Quant Report Injected on: 08/19/22 18:51	243
Correlation Data Summary	256
Continuing Calibration	257
Form 7 - Organics	258
CC Summary - VOA130 Run: 09/12/22 06:54	264
CC Quant - VOA130 Run: 09/12/22 06:54	267
CC Summary - VOA130 Run: 09/13/22 07:02	273
CC Quant - VOA130 Run: 09/13/22 07:02	276
bfb tune - Inst. VOA130 09/12/22 06:36	284

Table of Contents

bfb tune - Inst. VOA130 09/13/22 06:25	285
Volatiles Raw QC Data	286
Laboratory Method BI (WG1686411-5) Analyzed: 09/12/22 08:12	287
Laboratory Method BI (WG1686411-12) Analyzed: 09/13/22 08:20	293
Laboratory Control S (WG1686411-10) Analyzed: 09/13/22 07:02	298
Laboratory Control S (WG1686411-3) Analyzed: 09/12/22 06:54	394
LCS Duplicate (WG1686411-11) Analyzed: 09/13/22 07:21	471
LCS Duplicate (WG1686411-4) Analyzed: 09/12/22 07:14	565
Matrix Spike (WG1686411-6) Analyzed: 09/13/22 15:31	643
Matrix Spike Duplica (WG1686411-7) Analyzed: 09/13/22 15:51	721
Volatiles Calculations	799
QC Batch WG1686411	800
ICAL Sequence for VOA130 on 22-AUG-2022 00:00 ICAL19274	801
VOAseq	801
Instrument VOA130 Run Date 09/12/22 Run ID R1608570	802
VOAseq	802
Instrument VOA130 Run Date 09/13/22 Run ID R1608570	803
VOAseq	803

Project Name: PARKCHESTER CROSSING
Project Number: 2530.0001Y000

Lab Number: L2248605
Report Date: 09/14/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2248605-01	RMW-5	WATER	1590 WHITE PLAINS ROAD, BRONX, NY	09/08/22 07:30	09/08/22
L2248605-02	RMW-9R	WATER	1590 WHITE PLAINS ROAD, BRONX, NY	09/08/22 09:30	09/08/22
L2248605-03	RMW-11R	WATER	1590 WHITE PLAINS ROAD, BRONX, NY	09/08/22 08:30	09/08/22
L2248605-04	DUP090822	WATER	1590 WHITE PLAINS ROAD, BRONX, NY	09/08/22 07:35	09/08/22
L2248605-05	FIELD BLANK 090822	WATER	1590 WHITE PLAINS ROAD, BRONX, NY	09/08/22 08:45	09/08/22
L2248605-06	TRIP BLANK	WATER	1590 WHITE PLAINS ROAD, BRONX, NY	09/07/22 00:00	09/08/22

Project Name: PARKCHESTER CROSSING
Project Number: 2530.0001Y000

Lab Number: L2248605
Report Date: 09/14/22

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.

Project Name: PARKCHESTER CROSSING
Project Number: 2530.0001Y000

Lab Number: L2248605
Report Date: 09/14/22

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: *Caitlin Walukh*

Report Date: 09/14/22

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.
LCS D	- 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



Project Name: PARKCHESTER CROSSING
Project Number: 2530.0001Y000

Lab Number: L2248605
Report Date: 09/14/22

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



Project Name: PARKCHESTER CROSSING
Project Number: 2530.0001Y000

Lab Number: L2248605
Report Date: 09/14/22

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.

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)
 Purge time: 11 min

Columns (length x ID x df):
 RTX-VMS 20m x 0.18mm x 1um
 RTX-VMS 30m x 0.25mm x 1.4um
 RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
 Column Length: 105 Meters
 df: 3.00 um
 ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: Tekmar Velocity / EST Encon
 Autosampler: Varian Archon / EST Centurion
 Purge time: 11 min

Column Type: DB-VRX
 Column Length: 60 Meters
 df: 1.40 um
 ID: 0.25 mm
 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
 Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
 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 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.32 μ m
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1 μ L
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLP Pesticide 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: 1 μ L
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 : L2248605

Received : 08-SEP-2022

Reviewer : Elizabeth Oko

Account Name : Roux Env. Eng. & Geology, DPC

Project Number : 2530.0001Y000

Project Name : PARKCHESTER CROSSING

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.5	

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
Sep 14 2022, 12:44 pm

Login Number: L2248605

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2530.0001Y000

Received: 08SEP22 Due Date: 14SEP22

Sample #	Client ID	Mat PR Collected
L2248605-01 RMW-5		1 S0 08SEP22 07:30
Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) ASP-B Package Due Date: 09/14/22		
ASP-B, E&I-FEE, NYTCL-8260		
L2248605-02 RMW-9R		1 S0 08SEP22 09:30
Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Package Due Date: 09/14/22		
NYTCL-8260		
L2248605-03 RMW-11R		1 S0 08SEP22 08:30
Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) L2248605-03 MS L2248605-03 MSD Package Due Date: 09/14/22		
MS/MSD, NYTCL-8260		
L2248605-04 DUP090822		1 S0 08SEP22 07:35
Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Package Due Date: 09/14/22		
NYTCL-8260		
L2248605-05 FIELD BLANK 090822		1 S0 08SEP22 08:45
Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Package Due Date: 09/14/22		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 14 2022, 12:44 pm

Login Number: L2248605

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2530.0001Y000

Received: 08SEP22 Due Date: 14SEP22

Sample #	Client ID	Mat PR Collected

NYTCL-8260

L2248605-06 TRIP BLANK

1 S0 07SEP22 00:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Package Due Date: 09/14/22

NYTCL-8260

Page 2

Logged By: Elizabeth Oko

Organics

GC/MS 8260

Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: PARKCHESTER CROSSING

Lab Number: L2248605
Project Number: 2530.0001Y000
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
RMW-5 (L2248605-01)	101	100	97	112	0
RMW-9R (L2248605-02)	99	100	100	109	0
RMW-11R (L2248605-03)	98	100	101	106	0
DUP090822 (L2248605-04)	99	99	97	110	0
FIELD BLANK 090822 (L2248605-05)	100	98	98	109	0
TRIP BLANK (L2248605-06)	97	99	97	109	0
WG1686411-10LCS	93	102	94	102	0
WG1686411-11LCSD	93	102	95	102	0
WG1686411-12BLANK	94	100	98	109	0
WG1686411-3LCS	92	105	100	98	0
WG1686411-4LCSD	94	103	98	101	0
WG1686411-5BLANK	95	100	96	107	0
RMW-11RMS	100	101	96	104	0
RMW-11RMSD	98	102	98	102	0

QC LIMITS

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

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2248605
 Project Name : PARKCHESTER CROSSING Project Number : 2530.0001Y000
 Matrix : WATER
 LCS Sample ID : WG1686411-3 Analysis Date : 09/12/22 06:54 File ID : V30220912A01
 LCSD Sample ID : WG1686411-4 Analysis Date : 09/12/22 07:14 File ID : V30220912A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	9.8	98	10	9.9	99	1	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	9.8	98	10	9.7	97	1	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	9.5	95	10	9.5	95	0	70-130	20
Dibromochloromethane	10	8.9	89	10	9.0	90	1	63-130	20
1,1,2-Trichloroethane	10	8.7	87	10	9.0	90	3	70-130	20
Tetrachloroethene	10	9.9	99	10	9.7	97	2	70-130	20
Chlorobenzene	10	9.9	99	10	9.6	96	3	75-130	20
Trichlorofluoromethane	10	9.8	98	10	9.4	94	4	62-150	20
1,2-Dichloroethane	10	8.6	86	10	9.0	90	5	70-130	20
1,1,1-Trichloroethane	10	9.4	94	10	9.3	93	1	67-130	20
Bromodichloromethane	10	9.2	92	10	9.2	92	0	67-130	20
trans-1,3-Dichloropropene	10	9.3	93	10	9.4	94	1	70-130	20
cis-1,3-Dichloropropene	10	9.2	92	10	9.4	94	2	70-130	20
1,1-Dichloropropene	10	9.7	97	10	9.3	93	4	70-130	20
Bromoform	10	9.1	91	10	9.2	92	1	54-136	20
1,1,2,2-Tetrachloroethane	10	8.2	82	10	8.3	83	1	67-130	20
Benzene	10	9.7	97	10	9.6	96	1	70-130	20
Toluene	10	10	100	10	9.7	97	3	70-130	20
Ethylbenzene	10	10	100	10	9.6	96	4	70-130	20
Chloromethane	10	9.0	90	10	8.5	85	6	64-130	20
Bromomethane	10	5.4	54	10	5.5	55	2	39-139	20
Vinyl chloride	10	9.8	98	10	9.1	91	7	55-140	20
Chloroethane	10	11	110	10	11	110	0	55-138	20
1,1-Dichloroethene	10	10	100	10	9.6	96	4	61-145	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2248605
Project Name : PARKCHESTER CROSSING **Project Number** : 2530.0001Y000
Matrix : WATER
LCS Sample ID : WG1686411-3 **Analysis Date** : 09/12/22 06:54 **File ID** : V30220912A01
LCSD Sample ID : WG1686411-4 **Analysis Date** : 09/12/22 07:14 **File ID** : V30220912A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
trans-1,2-Dichloroethene	10	9.8	98	10	9.5	95	3	70-130	20
Trichloroethene	10	9.8	98	10	9.8	98	0	70-130	20
1,2-Dichlorobenzene	10	9.2	92	10	9.1	91	1	70-130	20
1,3-Dichlorobenzene	10	9.7	97	10	9.4	94	3	70-130	20
1,4-Dichlorobenzene	10	9.5	95	10	9.3	93	2	70-130	20
Methyl tert butyl ether	10	6.8	68	10	7.3	73	7	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	20	100	20	19	95	5	70-130	20
cis-1,2-Dichloroethene	10	9.6	96	10	9.1	91	5	70-130	20
Dibromomethane	10	8.4	84	10	8.9	89	6	70-130	20
1,2,3-Trichloropropane	10	8.2	82	10	8.3	83	1	64-130	20
Acrylonitrile	10	8.1	81	10	8.8	88	8	70-130	20
Styrene	20	21	105	20	20	100	5	70-130	20
Dichlorodifluoromethane	10	6.1	61	10	5.9	59	3	36-147	20
Acetone	10	9.3	93	10	10	100	7	58-148	20
Carbon disulfide	10	11	110	10	10	100	10	51-130	20
2-Butanone	10	8.6	86	10	9.1	91	6	63-138	20
Vinyl acetate	10	7.4	74	10	8.3	83	11	70-130	20
4-Methyl-2-pentanone	10	7.2	72	10	8.1	81	12	59-130	20
2-Hexanone	10	7.2	72	10	7.6	76	5	57-130	20
Bromochloromethane	10	9.1	91	10	9.2	92	1	70-130	20
2,2-Dichloropropane	10	9.3	93	10	9.0	90	3	63-133	20
1,2-Dibromoethane	10	8.6	86	10	8.7	87	1	70-130	20
1,3-Dichloropropane	10	8.9	89	10	9.1	91	2	70-130	20
1,1,1,2-Tetrachloroethane	10	9.4	94	10	9.5	95	1	64-130	20
Bromobenzene	10	9.1	91	10	8.9	89	2	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2248605
 Project Name : PARKCHESTER CROSSING Project Number : 2530.0001Y000
 Matrix : WATER
 LCS Sample ID : WG1686411-3 Analysis Date : 09/12/22 06:54 File ID : V30220912A01
 LCSD Sample ID : WG1686411-4 Analysis Date : 09/12/22 07:14 File ID : V30220912A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
n-Butylbenzene	10	10	100	10	9.4	94	6	53-136	20
sec-Butylbenzene	10	10	100	10	9.8	98	2	70-130	20
tert-Butylbenzene	10	10	100	10	9.5	95	5	70-130	20
o-Chlorotoluene	10	10	100	10	9.7	97	3	70-130	20
p-Chlorotoluene	10	9.9	99	10	9.5	95	4	70-130	20
1,2-Dibromo-3-chloropropane	10	7.9	79	10	9.0	90	13	41-144	20
Hexachlorobutadiene	10	8.8	88	10	8.3	83	6	63-130	20
Isopropylbenzene	10	10	100	10	9.6	96	4	70-130	20
p-Isopropyltoluene	10	9.7	97	10	9.5	95	2	70-130	20
Naphthalene	10	7.4	74	10	7.6	76	3	70-130	20
n-Propylbenzene	10	10	100	10	9.9	99	1	69-130	20
1,2,3-Trichlorobenzene	10	8.2	82	10	8.4	84	2	70-130	20
1,2,4-Trichlorobenzene	10	8.5	85	10	8.2	82	4	70-130	20
1,3,5-Trimethylbenzene	10	9.4	94	10	8.9	89	5	64-130	20
1,2,4-Trimethylbenzene	10	9.1	91	10	8.7	87	4	70-130	20
1,4-Dioxane	500	580	116	500	600	120	3	56-162	20
p-Diethylbenzene	10	9.2	92	10	8.8	88	4	70-130	20
p-Ethyltoluene	10	10	100	10	9.6	96	4	70-130	20
1,2,4,5-Tetramethylbenzene	10	7.6	76	10	7.4	74	3	70-130	20
Ethyl ether	10	8.0	80	10	8.7	87	8	59-134	20
trans-1,4-Dichloro-2-butene	10	8.2	82	10	8.9	89	8	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Client Sample ID : RMW-11R
 Lab Sample ID : L2248605-03
 Matrix Spike : WG1686411-6
 Matrix Spike Dup : WG1686411-7

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Matrix : WATER
 Analysis Date : 09/12/22 12:07
 MS Analysis Date : 09/13/22 15:31
 MSD Analysis Date : 09/13/22 15:51

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	10	9.0	90	10	10	100	11	70-130	20
1,1-Dichloroethane	ND	10	8.9	89	10	10	100	12	70-130	20
Chloroform	ND	10	8.8	88	10	10	100	13	70-130	20
Carbon tetrachloride	ND	10	9.6	96	10	11	110	14	63-132	20
1,2-Dichloropropane	ND	10	8.3	83	10	9.6	96	15	70-130	20
Dibromochloromethane	ND	10	8.3	83	10	9.8	98	17	63-130	20
1,1,2-Trichloroethane	ND	10	8.1	81	10	9.5	95	16	70-130	20
Tetrachloroethene	38	10	48	100	10	49	110	2	70-130	20
Chlorobenzene	ND	10	8.5	85	10	10	100	16	75-130	20
Trichlorofluoromethane	ND	10	9.2	92	10	11	110	18	62-150	20
1,2-Dichloroethane	ND	10	7.9	79	10	9.0	90	13	70-130	20
1,1,1-Trichloroethane	ND	10	8.5	85	10	9.6	96	12	67-130	20
Bromodichloromethane	ND	10	8.4	84	10	9.3	93	10	67-130	20
trans-1,3-Dichloropropene	ND	10	8.0	80	10	9.5	95	17	70-130	20
cis-1,3-Dichloropropene	ND	10	7.9	79	10	9.2	92	15	70-130	20
1,1-Dichloropropene	ND	10	9.1	91	10	10	100	9	70-130	20
Bromoform	ND	10	8.3	83	10	9.8	98	17	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	7.7	77	10	8.9	89	14	67-130	20
Benzene	ND	10	8.8	88	10	10	100	13	70-130	20
Toluene	ND	10	8.9	89	10	10	100	12	70-130	20
Ethylbenzene	ND	10	8.6	86	10	10	100	15	70-130	20
Chloromethane	ND	10	7.4	74	10	8.0	80	8	64-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Client Sample ID : RMW-11R
 Lab Sample ID : L2248605-03
 Matrix Spike : WG1686411-6
 Matrix Spike Dup : WG1686411-7

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Matrix : WATER
 Analysis Date : 09/12/22 12:07
 MS Analysis Date : 09/13/22 15:31
 MSD Analysis Date : 09/13/22 15:51

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Bromomethane	ND	10	3.9	39	10	4.8	48	21	Q 39-139	20
Vinyl chloride	11	10	20	90	10	20	90	0	55-140	20
Chloroethane	1.4J	10	12	120	10	12	120	0	55-138	20
1,1-Dichloroethene	ND	10	9.7	97	10	11	110	13	61-145	20
trans-1,2-Dichloroethene	11	10	19	80	10	20	90	5	70-130	20
Trichloroethene	25	10	35	100	10	35	100	0	70-130	20
1,2-Dichlorobenzene	ND	10	8.1	81	10	9.4	94	15	70-130	20
1,3-Dichlorobenzene	ND	10	8.4	84	10	9.7	97	14	70-130	20
1,4-Dichlorobenzene	ND	10	8.3	83	10	9.4	94	12	70-130	20
Methyl tert butyl ether	ND	10	6.4	64	10	7.8	78	20	63-130	20
p/m-Xylene	ND	20	18	90	20	21	105	15	70-130	20
o-Xylene	ND	20	17	85	20	20	100	16	70-130	20
cis-1,2-Dichloroethene	64	10	75	110	10	71	70	5	70-130	20
Dibromomethane	ND	10	8.1	81	10	9.2	92	13	70-130	20
1,2,3-Trichloropropane	ND	10	7.7	77	10	8.9	89	14	64-130	20
Acrylonitrile	ND	10	8.5	85	10	8.8	88	3	70-130	20
Styrene	ND	20	18	90	20	21	105	15	70-130	20
Dichlorodifluoromethane	ND	10	5.0	50	10	5.6	56	11	36-147	20
Acetone	ND	10	9.0	90	10	10	100	11	58-148	20
Carbon disulfide	ND	10	9.6	96	10	11	110	14	51-130	20
2-Butanone	ND	10	8.5	85	10	9.5	95	11	63-138	20
Vinyl acetate	ND	10	6.7	67	Q 10	8.1	81	19	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Client Sample ID : RMW-11R
 Lab Sample ID : L2248605-03
 Matrix Spike : WG1686411-6
 Matrix Spike Dup : WG1686411-7

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Matrix : WATER
 Analysis Date : 09/12/22 12:07
 MS Analysis Date : 09/13/22 15:31
 MSD Analysis Date : 09/13/22 15:51

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
4-Methyl-2-pentanone	ND	10	7.1	71	10	8.4	84	17	59-130	20
2-Hexanone	ND	10	6.7	67	10	7.7	77	14	57-130	20
Bromochloromethane	ND	10	8.4	84	10	9.2	92	9	70-130	20
2,2-Dichloropropane	ND	10	8.0	80	10	9.2	92	14	63-133	20
1,2-Dibromoethane	ND	10	8.0	80	10	9.4	94	16	70-130	20
1,3-Dichloropropane	ND	10	8.0	80	10	9.4	94	16	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	8.5	85	10	10	100	16	64-130	20
Bromobenzene	ND	10	8.2	82	10	9.2	92	11	70-130	20
n-Butylbenzene	ND	10	8.8	88	10	10	100	13	53-136	20
sec-Butylbenzene	ND	10	9.0	90	10	10	100	11	70-130	20
tert-Butylbenzene	ND	10	8.6	86	10	10	100	15	70-130	20
o-Chlorotoluene	ND	10	8.6	86	10	9.9	99	14	70-130	20
p-Chlorotoluene	ND	10	8.3	83	10	9.6	96	15	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	8.4	84	10	9.8	98	15	41-144	20
Hexachlorobutadiene	ND	10	7.9	79	10	9.4	94	17	63-130	20
Isopropylbenzene	ND	10	8.8	88	10	10	100	13	70-130	20
p-Isopropyltoluene	ND	10	8.6	86	10	9.9	99	14	70-130	20
Naphthalene	ND	10	7.2	72	10	8.5	85	17	70-130	20
n-Propylbenzene	ND	10	9.0	90	10	10	100	11	69-130	20
1,2,3-Trichlorobenzene	ND	10	7.6	76	10	8.8	88	15	70-130	20
1,2,4-Trichlorobenzene	ND	10	7.7	77	10	8.6	86	11	70-130	20
1,3,5-Trimethylbenzene	ND	10	8.0	80	10	9.5	95	17	64-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Client Sample ID : RMW-11R
 Lab Sample ID : L2248605-03
 Matrix Spike : WG1686411-6
 Matrix Spike Dup : WG1686411-7

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Matrix : WATER
 Analysis Date : 09/12/22 12:07
 MS Analysis Date : 09/13/22 15:31
 MSD Analysis Date : 09/13/22 15:51

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
1,2,4-Trimethylbenzene	ND	10	7.8	78	10	9.1	91	15	70-130	20
1,4-Dioxane	ND	500	580	116	500	590	118	2	56-162	20
p-Diethylbenzene	ND	10	8.0	80	10	9.4	94	16	70-130	20
p-Ethyltoluene	ND	10	8.6	86	10	9.9	99	14	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	6.3	63 Q	10	7.3	73	15	70-130	20
Ethyl ether	ND	10	8.0	80	10	8.3	83	4	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	7.7	77	10	8.7	87	12	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab Sample ID	: WG1686411-5	Lab File ID	: V30220912A05
Instrument ID	: VOA130		
Matrix	: WATER	Analysis Date	: 09/12/22 08:12

Client Sample No.	Lab Sample ID	Analysis Date
WG1686411-3LCS	WG1686411-3	09/12/22 06:54
WG1686411-4LCSD	WG1686411-4	09/12/22 07:14
FIELD BLANK 090822	L2248605-05	09/12/22 10:29
TRIP BLANK	L2248605-06	09/12/22 10:49
RMW-5	L2248605-01	09/12/22 11:28
RMW-9R	L2248605-02	09/12/22 11:47
RMW-11R	L2248605-03	09/12/22 12:07
DUP090822	L2248605-04	09/12/22 12:26

**Method Blank Summary
Form 4
Volatiles**

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab Sample ID	: WG1686411-12	Lab File ID	: V30220913A06
Instrument ID	: VOA130		
Matrix	:	Analysis Date	: 09/13/22 08:20

Client Sample No.	Lab Sample ID	Analysis Date
WG1686411-10LCS	WG1686411-10	09/13/22 07:02
WG1686411-11LCSD	WG1686411-11	09/13/22 07:21
RMW-11RMS	WG1686411-6	09/13/22 15:31
RMW-11RMSD	WG1686411-7	09/13/22 15:51

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Instrument ID : VOA130	Analysis Date : 08/19/22 13:23
Tune Standard : WG1678209-1	Tune File ID : V30220819ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 80.0% of mass 95	53.1
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 (.9)1
174	Greater than 50.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	5.8 (7.3)1
176	Greater than 95.0% but less than 101% of mass	77.2 (96.7)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	R1601033-1	V30220819A03	08/19/22 14:16
STD0.5PPB	R1601033-2	V30220819A04	08/19/22 14:35
STD2PPB	R1601033-3	V30220819A06	08/19/22 15:15
STD10PPB	R1601033-4	V30220819A08	08/19/22 15:54
STD30PPB	R1601033-5	V30220819A09	08/19/22 16:14
STD80PPB	R1601033-6	V30220819A10	08/19/22 16:33
STD120PPB	R1601033-7	V30220819A11	08/19/22 16:53
STD200PPB	R1601033-8	V30220819A12	08/19/22 17:12
ICV Quant Report	R1601033-9	V30220819A17	08/19/22 18:51

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Instrument ID : VOA130	Analysis Date : 09/12/22 06:36
Tune Standard : WG1686411-1	Tune File ID : V30220912ABF1_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	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (1)1
174	Greater than 50.0% of mass 95	77
175	5.0 - 9.0% of mass 174	5.8 (7.6)1
176	Greater than 95.0% but less than 101% of mass	75.2 (97.7)1
177	5.0 - 9.0% of mass 176	4.9 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1686411-2CCAL	WG1686411-2	V30220912A01	09/12/22 06:54
WG1686411-3LCS	WG1686411-3	V30220912A01	09/12/22 06:54
WG1686411-4LCSD	WG1686411-4	V30220912A02	09/12/22 07:14
WG1686411-5BLANK	WG1686411-5	V30220912A05	09/12/22 08:12
FIELD BLANK 090822	L2248605-05	V30220912A12	09/12/22 10:29
TRIP BLANK	L2248605-06	V30220912A13	09/12/22 10:49
RMW-5	L2248605-01	V30220912A15	09/12/22 11:28
RMW-9R	L2248605-02	V30220912A16	09/12/22 11:47
RMW-11R	L2248605-03	V30220912A17	09/12/22 12:07
DUP090822	L2248605-04	V30220912A18	09/12/22 12:26

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Instrument ID	: VOA130	Analysis Date	: 09/13/22 06:25
Tune Standard	: WG1686411-8	Tune File ID	: V30220913ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 80.0% of mass 95	53.1
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	0.9 (1.1)1
174	Greater than 50.0% of mass 95	83.6
175	5.0 - 9.0% of mass 174	6.3 (7.6)1
176	Greater than 95.0% but less than 101% of mass	81.1 (97)1
177	5.0 - 9.0% of mass 176	5.4 (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
WG1686411-10LCS	WG1686411-10	V30220913A02	09/13/22 07:02
WG1686411-9CCAL	WG1686411-9	V30220913A02	09/13/22 07:02
WG1686411-11LCSD	WG1686411-11	V30220913A03	09/13/22 07:21
WG1686411-12BLANK	WG1686411-12	V30220913A06	09/13/22 08:20
WG1686411-6MS	WG1686411-6	V30220913A28	09/13/22 15:31
WG1686411-7MSD	WG1686411-7	V30220913A29	09/13/22 15:51

Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Sample No : WG1686411-2

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Analysis Date : 09/12/22 06:54:00
 Lab File ID : V30220912A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1686411-2	180811	5.48	130036	8.49	66946	9.99
Upper Limit	361622	5.98	260072	8.99	133892	10.49
Lower Limit	90406	4.98	65018	7.99	33473	9.49
Sample ID						
WG1686411-3 LCS	180811	5.48	130036	8.49	66946	9.99
WG1686411-4 LCSD	181504	5.48	133877	8.50	69741	9.99
WG1686411-5 BLANK	150959	5.48	118659	8.50	61557	9.99
FIELD BLANK 090822	143844	5.48	114856	8.50	58080	9.99
TRIP BLANK	149477	5.48	116907	8.50	60635	9.99
RMW-5	145484	5.48	112674	8.50	57085	9.99
RMW-9R	147607	5.48	112132	8.50	57818	9.99
RMW-11R	153480	5.48	114041	8.50	56179	9.99
DUP090822	146461	5.48	113968	8.50	58702	9.99
WG1686411-8 BFB	-	-	-	-	-	-

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

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

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Sample No : WG1686411-9

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Analysis Date : 09/13/22 07:02:00
 Lab File ID : V30220913A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1686411-9	167817	5.48	125779	8.50	66872	9.99
Upper Limit	335634	5.98	251558	9.00	133744	10.49
Lower Limit	83909	4.98	62890	8.00	33436	9.49
Sample ID						
WG1686411-10 LCS	167817	5.48	125779	8.50	66872	9.99
WG1686411-11 LCSD	165141	5.48	121049	8.50	63402	9.99
WG1686411-12 BLANK	139774	5.48	109280	8.50	56789	9.99
RMW-11R MS	152048	5.48	112477	8.50	58918	9.99
RMW-11R MSD	160160	5.48	115485	8.50	61194	9.99

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

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

* Values outside of QC limits





Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 1

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.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 2

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			

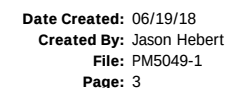
Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





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

[illegible]

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.



Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 06/19/18
Created By: Jason Hebert
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			

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.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 06/19/18
Created By: Jason Hebert
File: PM5047-1
Page: 2

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			

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.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 06/19/18
Created By: Jason Hebert
File: PM5047-1
Page: 3

Volatile Organics - EPA 8260C (SOIL-LOW)

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

[illegible]

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.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





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			

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.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 06/19/18
Created By: Jason Hebert
File: PM5048-1
Page: 2

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	70-130	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			

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.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 06/19/18
Created By: Jason Hebert
File: PM5048-1
Page: 3

Volatile Organics - EPA 8260C (SOIL-HIGH)

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

[illegible]

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.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA



Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-01	Date Collected : 09/08/22 07:30
Client ID : RMW-5	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 11:28
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A15	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	12	2.5	0.70	
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	1.5	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	0.70	0.50	0.19	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-01	Date Collected	: 09/08/22 07:30
Client ID	: RMW-5	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A15	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-01	Date Collected	: 09/08/22 07:30
Client ID	: RMW-5	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A15	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-01	Date Collected	: 09/08/22 07:30
Client ID	: RMW-5	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A15	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-02	Date Collected : 09/08/22 09:30
Client ID : RMW-9R	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 11:47
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A16	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	1.4	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	0.35	0.50	0.13	J
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	5.1	0.50	0.16	
108-88-3	Toluene	1.6	2.5	0.70	J
100-41-4	Ethylbenzene	2.5	2.5	0.70	
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-02	Date Collected	: 09/08/22 09:30
Client ID	: RMW-9R	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 11:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A16	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.41	0.50	0.18	J
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	2.4	2.5	0.70	J
95-47-6	o-Xylene	3.1	2.5	0.70	
1330-20-7	Xylenes, Total	5.5	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-02	Date Collected : 09/08/22 09:30
Client ID : RMW-9R	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 11:47
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A16	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-02	Date Collected	: 09/08/22 09:30
Client ID	: RMW-9R	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 11:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A16	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-03	Date Collected	: 09/08/22 08:30
Client ID	: RMW-11R	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 12:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A17	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	38	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
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	11	1.0	0.07	



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-03	Date Collected : 09/08/22 08:30
Client ID : RMW-11R	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 12:07
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A17	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	1.4	2.5	0.70	J
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	11	2.5	0.70	
79-01-6	Trichloroethene	25	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
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	64	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	75	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-03	Date Collected : 09/08/22 08:30
Client ID : RMW-11R	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 12:07
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A17	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-03	Date Collected	: 09/08/22 08:30
Client ID	: RMW-11R	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 12:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A17	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-04	Date Collected : 09/08/22 07:35
Client ID : DUP090822	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 12:26
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A18	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
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	12	2.5	0.70	
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	1.5	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	0.62	0.50	0.19	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-04	Date Collected : 09/08/22 07:35
Client ID : DUP090822	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 12:26
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A18	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-04	Date Collected : 09/08/22 07:35
Client ID : DUP090822	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 12:26
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A18	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-04	Date Collected	: 09/08/22 07:35
Client ID	: DUP090822	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 12:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A18	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-05	Date Collected : 09/08/22 08:45
Client ID : FIELD BLANK 090822	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 10:29
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A12	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-05	Date Collected : 09/08/22 08:45
Client ID : FIELD BLANK 090822	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 10:29
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A12	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-05	Date Collected	: 09/08/22 08:45
Client ID	: FIELD BLANK 090822	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 10:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A12	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-05	Date Collected	: 09/08/22 08:45
Client ID	: FIELD BLANK 090822	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 10:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A12	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-06	Date Collected : 09/07/22 00:00
Client ID : TRIP BLANK	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 10:49
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A13	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2248605
Project Name : PARKCHESTER CROSSING	Project Number : 2530.0001Y000
Lab ID : L2248605-06	Date Collected : 09/07/22 00:00
Client ID : TRIP BLANK	Date Received : 09/08/22
Sample Location : 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed : 09/12/22 10:49
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : MV
Lab File ID : V30220912A13	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-06	Date Collected	: 09/07/22 00:00
Client ID	: TRIP BLANK	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 10:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A13	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: L2248605-06	Date Collected	: 09/07/22 00:00
Client ID	: TRIP BLANK	Date Received	: 09/08/22
Sample Location	: 1590 WHITE PLAINS ROAD, BRONX, NY	Date Analyzed	: 09/12/22 10:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A13	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Lab ID : WG1686411-5
 Client ID : WG1686411-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V30220912A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/12/22 08:12
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA130
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Lab ID : WG1686411-5
 Client ID : WG1686411-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V30220912A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/12/22 08:12
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA130
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Lab ID : WG1686411-5
 Client ID : WG1686411-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : V30220912A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/12/22 08:12
 Dilution Factor : 1
 Analyst : MV
 Instrument ID : VOA130
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2248605
Project Name	: PARKCHESTER CROSSING	Project Number	: 2530.0001Y000
Lab ID	: WG1686411-5	Date Collected	: NA
Client ID	: WG1686411-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/12/22 08:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V30220912A05	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

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A12.D
 Acq On : 12 Sep 2022 10:29 am
 Operator : VOA130:MV
 Sample : l2248605-05,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 12:37:00 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	143844	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery =	79.55%		
59) Chlorobenzene-d5	8.496	117	114856	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery =	88.33%		
79) 1,4-Dichlorobenzene-d4	9.985	152	58080	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery =	86.76%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.488	113	41495	10.924	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.24%		
43) 1,2-Dichloroethane-d4	5.135	65	41864	10.038	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.38%		
60) Toluene-d8	7.193	98	146683	9.832	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.32%		
83) 4-Bromofluorobenzene	9.316	95	53978	9.802	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.02%		
Target Compounds						
2) Dichlorodifluoromethane	0.821	85	32	N.D.		Qvalue
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	1.226	64	26	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A12.D
 Acq On : 12 Sep 2022 10:29 am
 Operator : VOA130:MV
 Sample : l2248605-05,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 12:37:00 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.252	92	28		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	8.496	43	29		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.499	91	65		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	9.310	105	40		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	9.313	91	252		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	9.310	105	40		N.D.	
89) 2-Chlorotoluene	9.313	91	252		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A12.D
 Acq On : 12 Sep 2022 10:29 am
 Operator : VOA130:MV
 Sample : l2248605-05,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 12:37:00 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	9.990	146	29		N.D.	
101)	1,4-Dichlorobenzene	9.990	146	29		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	9.990	91	101		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	11.245	128	62		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

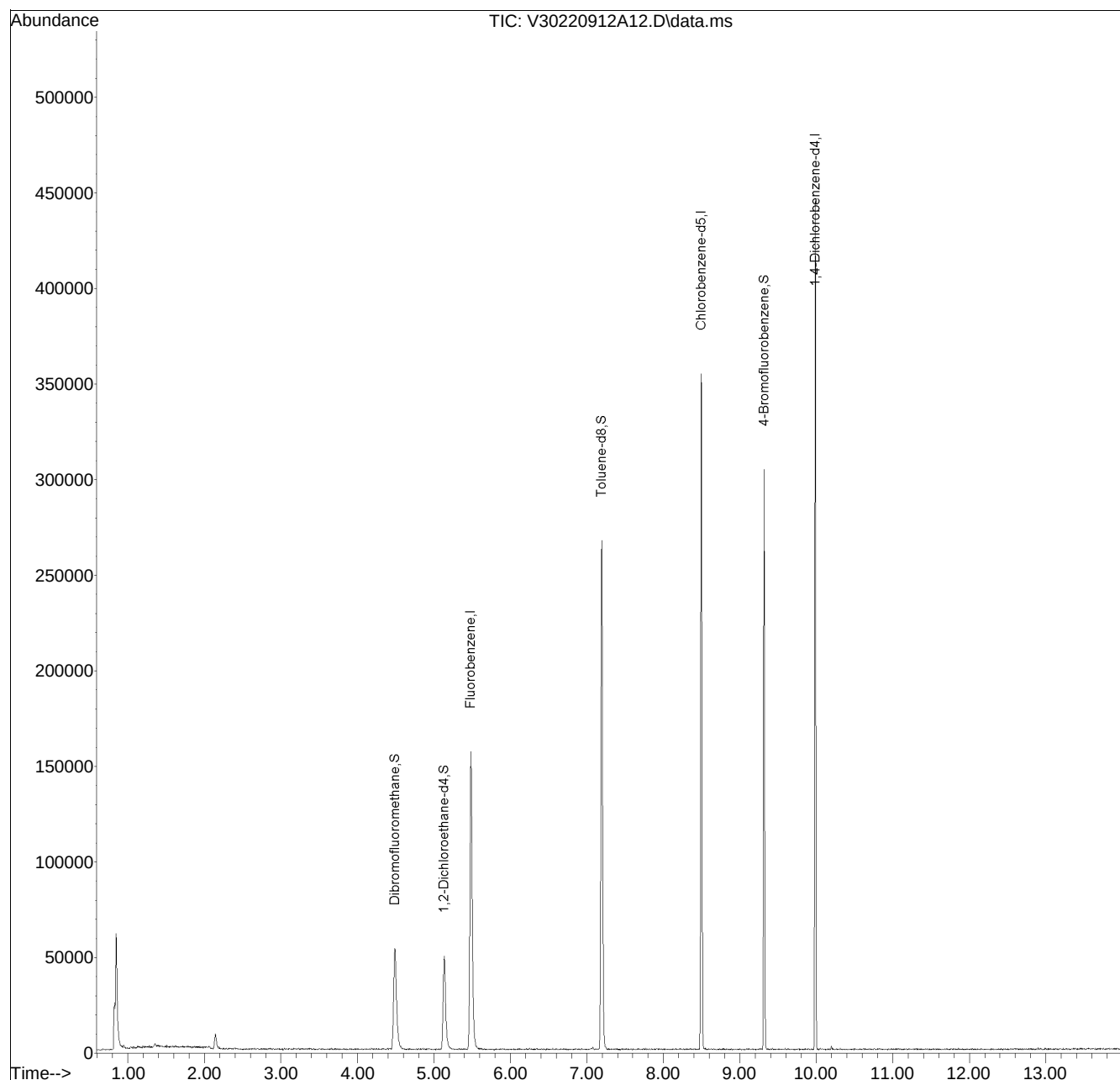
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A12.D
 Acq On : 12 Sep 2022 10:29 am
 Operator : VOA130:MV
 Sample : 12248605-05,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 12:37:00 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20912A\V30220912A01.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A12.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 10:29 am Instrument : VOA130
Sample : 12248605-05,31,10,10,,a,prQuant Date : 9/13/2022 11:58 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A13.D
 Acq On : 12 Sep 2022 10:49 am
 Operator : VOA130:MV
 Sample : 12248605-06,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 13 12:37:31 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	149477	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery =	82.67%		
59) Chlorobenzene-d5	8.496	117	116907	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery =	89.90%		
79) 1,4-Dichlorobenzene-d4	9.985	152	60635	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery =	90.57%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.494	113	43172	10.937	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.37%		
43) 1,2-Dichloroethane-d4	5.133	65	41951	9.680	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.80%		
60) Toluene-d8	7.196	98	150811	9.931	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.31%		
83) 4-Bromofluorobenzene	9.316	95	55815	9.709	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.09%		
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.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A13.D
 Acq On : 12 Sep 2022 10:49 am
 Operator : VOA130:MV
 Sample : 12248605-06,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 13 12:37:31 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	4.951	78	1092	0.086	ug/L #	62
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.554	95	42	N.D.		
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.244	92	3115	0.367	ug/L	98
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.490	43	63	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.551	91	1075	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.655	106	1448	0.236	ug/L	95
77) o Xylene	8.939	106	601	0.100	ug/L	85
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.313	105	73	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.410	91	123	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	9.472	105	770	N.D.		
89) 2-Chlorotoluene	9.410	91	123	N.D.		
90) 1,3,5-Trimethylbenzene	9.539	105	189	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	9.762	91	31	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A13.D
 Acq On : 12 Sep 2022 10:49 am
 Operator : VOA130:MV
 Sample : l2248605-06,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 13 12:37:31 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.762	105	468		N.D.	
98)	sec-Butylbenzene	9.762	105	468		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	9.988	91	121		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	10.582	119	29		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	11.243	128	107		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

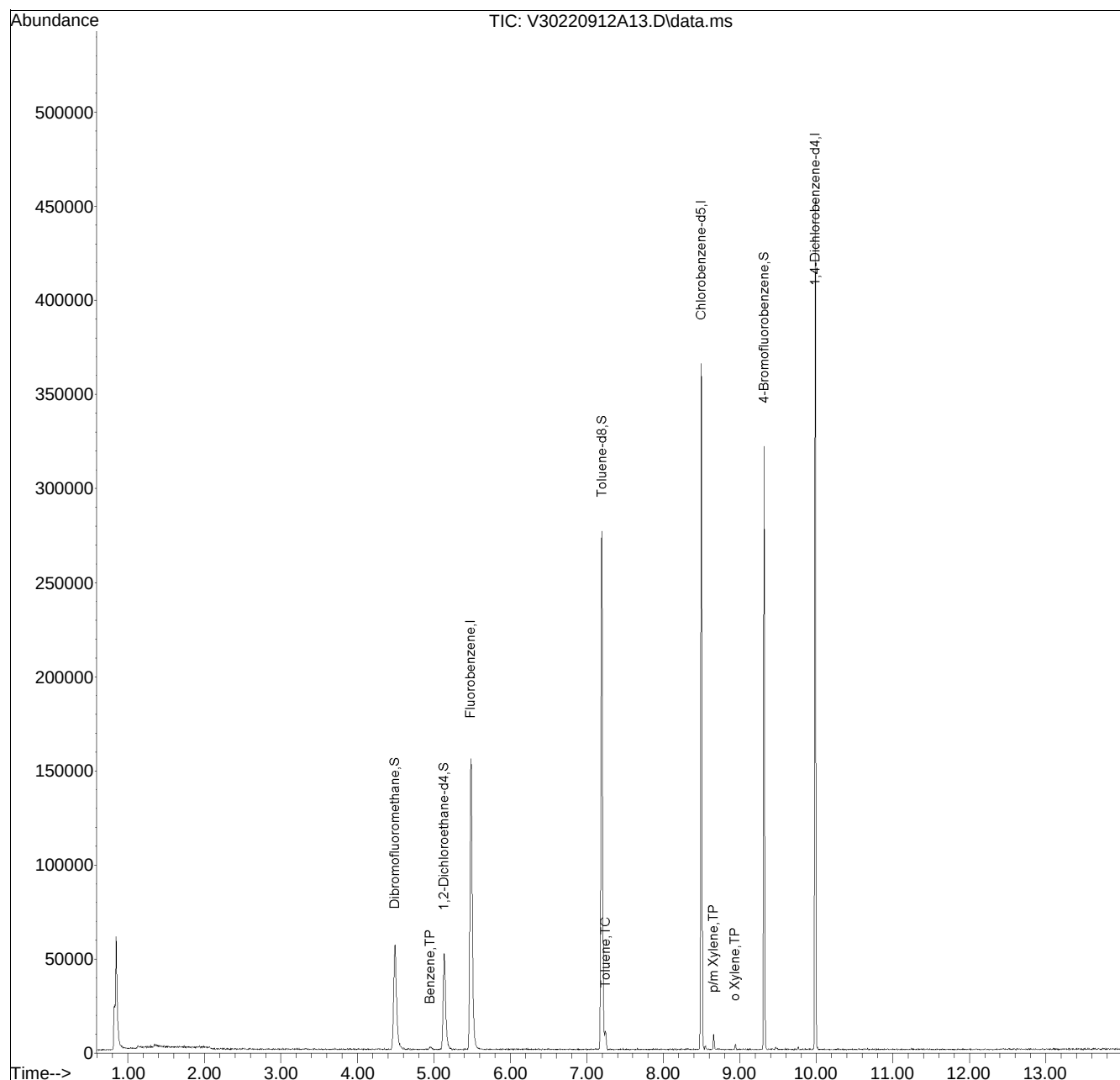
(#) = qualifier out of range (m) = manual integration (+) = signals summed

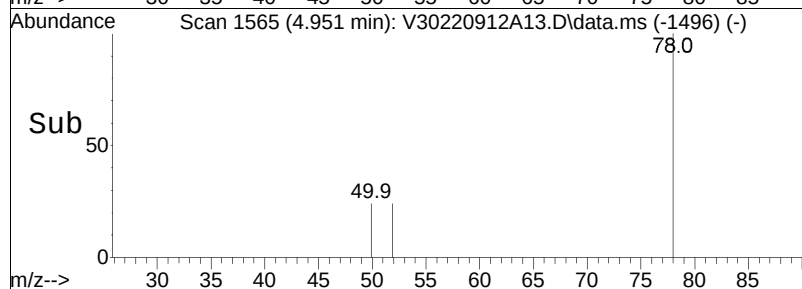
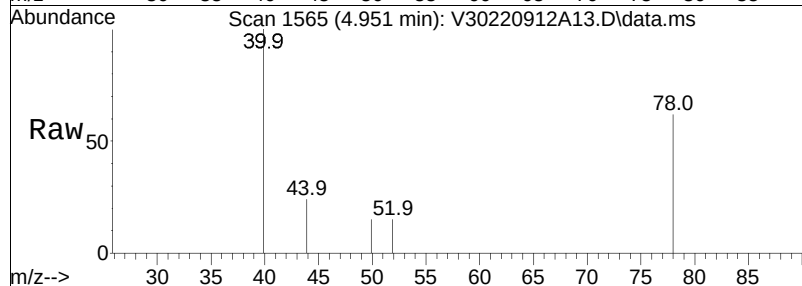
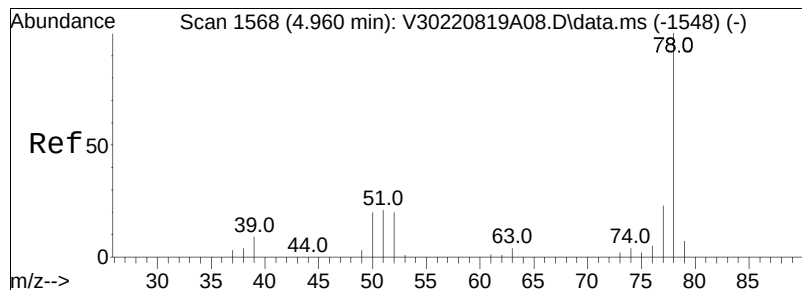
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A13.D
 Acq On : 12 Sep 2022 10:49 am
 Operator : VOA130:MV
 Sample : 12248605-06,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 13 12:37:31 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20912A\V30220912A01.D•





#41

Benzene

Concen: 0.09 ug/L

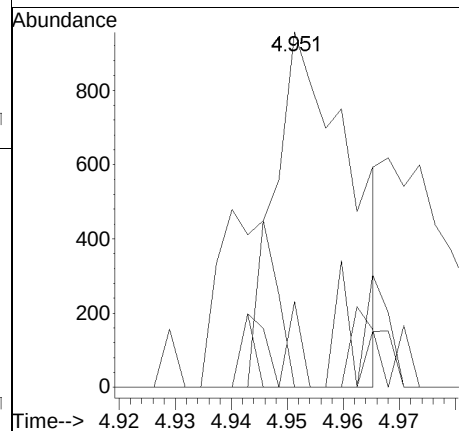
RT: 4.951 min Scan# 1565

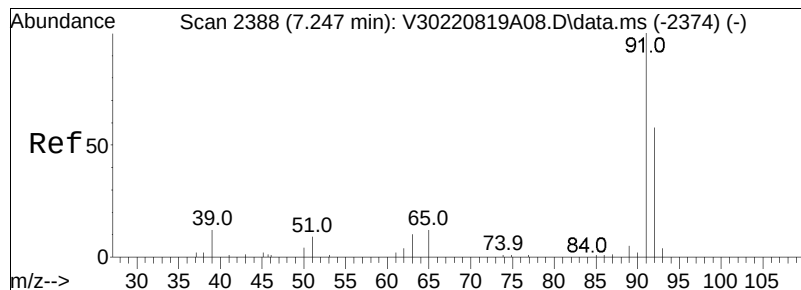
Delta R.T. -0.009 min

Lab File: V30220912A13.D

Acq: 12 Sep 2022 10:49 am

Tgt Ion:	78	Resp:	1092
Ion Ratio	Lower	Upper	
78	100		
77	10.7	15.7	32.7#
51	0.0	16.0	33.2#
52	5.5	15.3	31.9#





#61

Toluene

Concen: 0.37 ug/L

RT: 7.244 min Scan# 2387

Delta R.T. -0.003 min

Lab File: V30220912A13.D

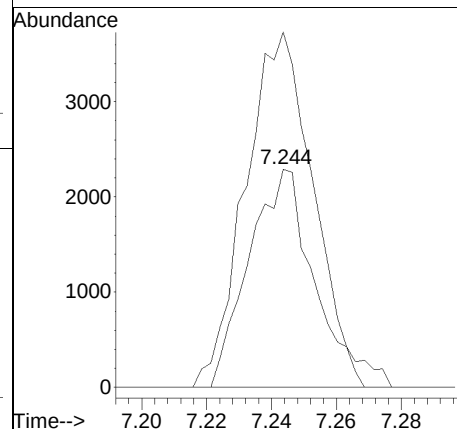
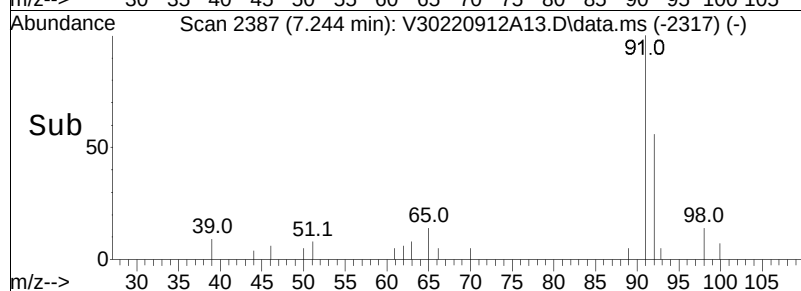
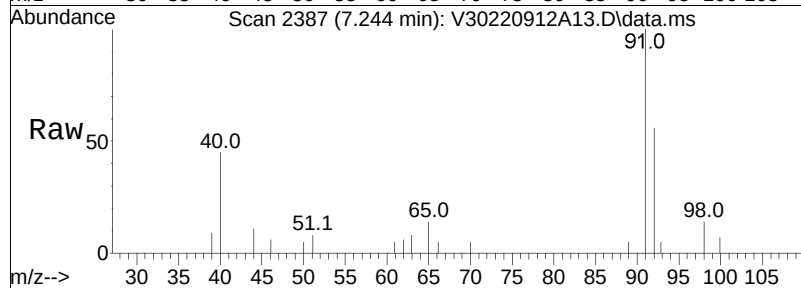
Acq: 12 Sep 2022 10:49 am

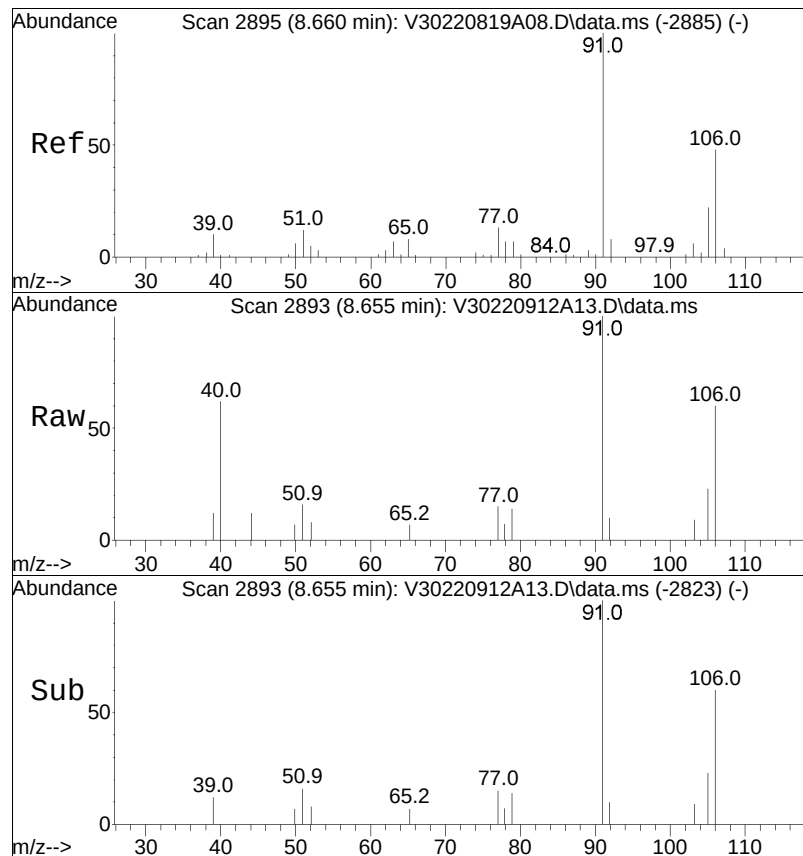
Tgt Ion: 92 Resp: 3115

Ion Ratio Lower Upper

92 100

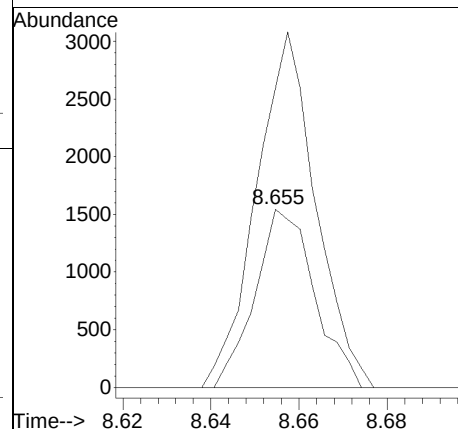
91 177.3 139.8 209.6

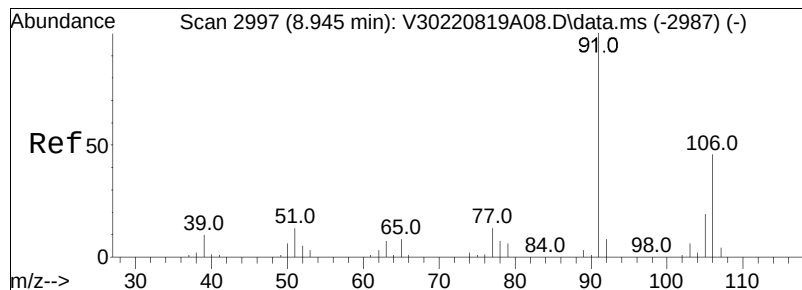




#76
 p/m Xylene
 Concen: 0.24 ug/L
 RT: 8.655 min Scan# 2893
 Delta R.T. -0.005 min
 Lab File: V30220912A13.D
 Acq: 12 Sep 2022 10:49 am

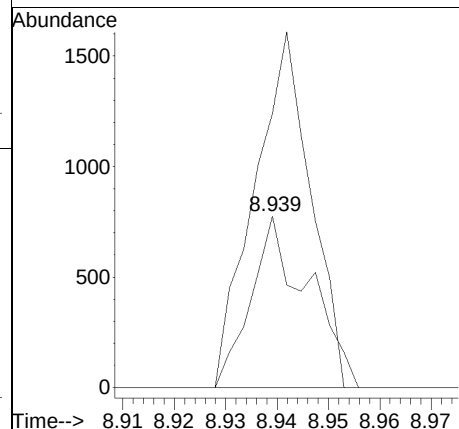
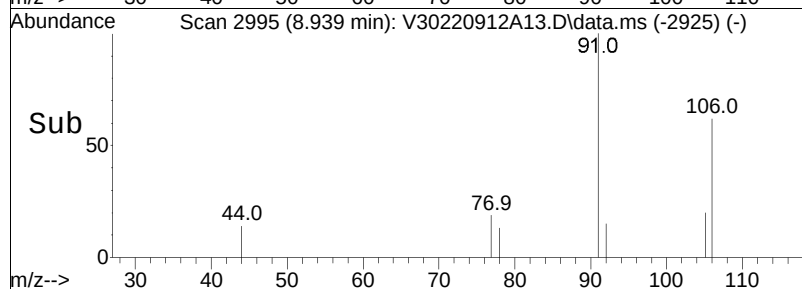
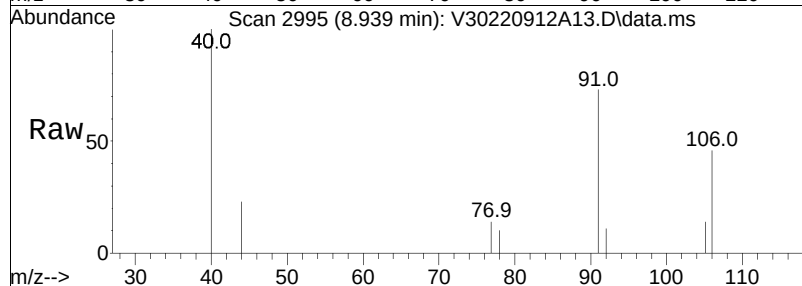
Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.8	166.4	249.6





#77
o Xylene
Concen: 0.10 ug/L
RT: 8.939 min Scan# 2995
Delta R.T. -0.006 min
Lab File: V30220912A13.D
Acq: 12 Sep 2022 10:49 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.0	182.6	273.8



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A13.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 10:49 am Instrument : VOA130
Sample : 12248605-06,31,10,10,,a,prQuant Date : 9/13/2022 12:02 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A15.D
 Acq On : 12 Sep 2022 11:28 am
 Operator : VOA130:MV
 Sample : l2248605-01,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 13 12:39:04 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	145484	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery =	80.46%		
59) Chlorobenzene-d5	8.496	117	112674	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery =	86.65%		
79) 1,4-Dichlorobenzene-d4	9.985	152	57085	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery =	85.27%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.491	113	42925	11.173	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.73%		
43) 1,2-Dichloroethane-d4	5.138	65	42403	10.052	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.52%		
60) Toluene-d8	7.193	98	146002	9.976	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.76%		
83) 4-Bromofluorobenzene	9.315	95	52612	9.721	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.21%		
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		Qvalue
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.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.856	76	28	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.805	96	35	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.248	83	73311	12.488	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A15.D
 Acq On : 12 Sep 2022 11:28 am
 Operator : VOA130:MV
 Sample : 12248605-01,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 13 12:39:04 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	4.279	117	29	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.	d	
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.	d	
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	6.354	83	3101	0.704	ug/L #	92
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.243	92	1458	0.178	ug/L	95
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.595	166	5191	1.498	ug/L	91
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.490	43	64	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.546	91	565	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.654	106	1039	0.175	ug/L	98
77) o Xylene	8.939	106	327	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	0.000		0	N.D.	d	
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D.		
89) 2-Chlorotoluene	9.315	91	220	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A15.D
 Acq On : 12 Sep 2022 11:28 am
 Operator : VOA130:MV
 Sample : l2248605-01,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 13 12:39:04 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	9.987	91	175		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

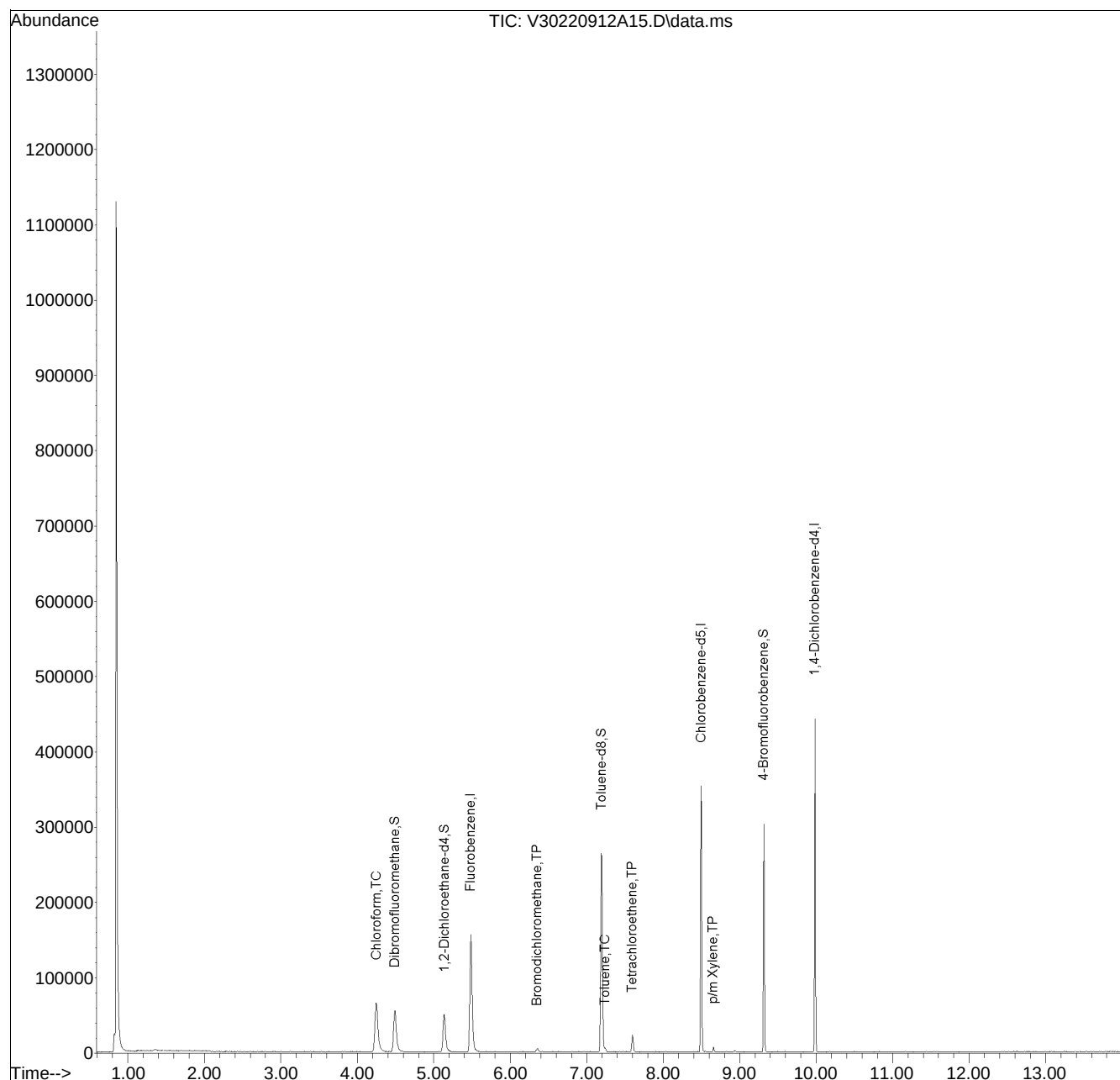
(#) = qualifier out of range (m) = manual integration (+) = signals summed

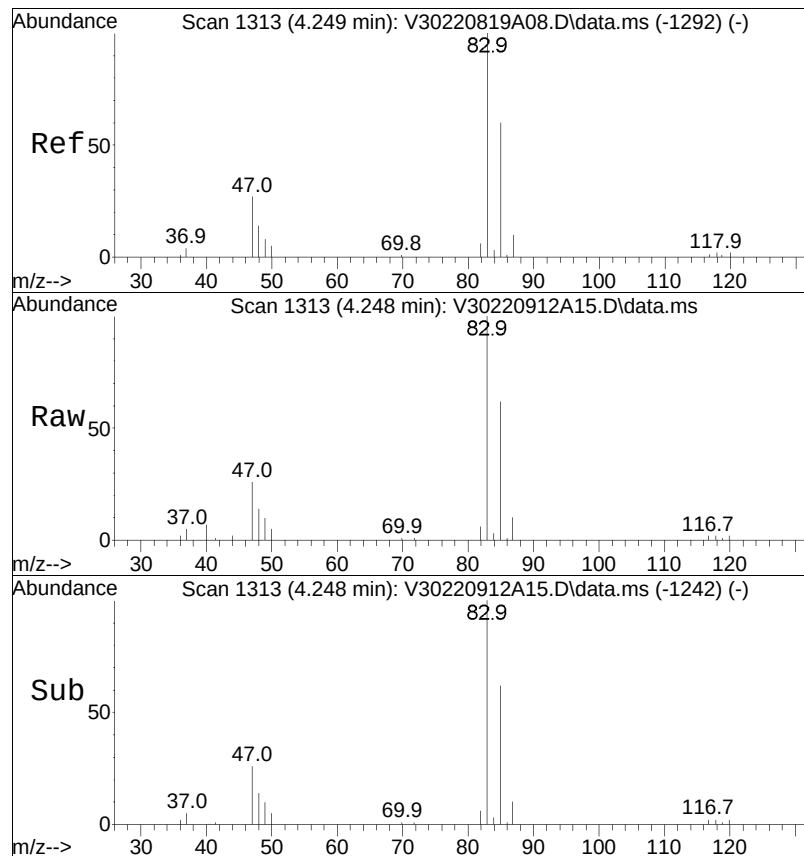
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A15.D
 Acq On : 12 Sep 2022 11:28 am
 Operator : VOA130:MV
 Sample : 12248605-01,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 13 12:39:04 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

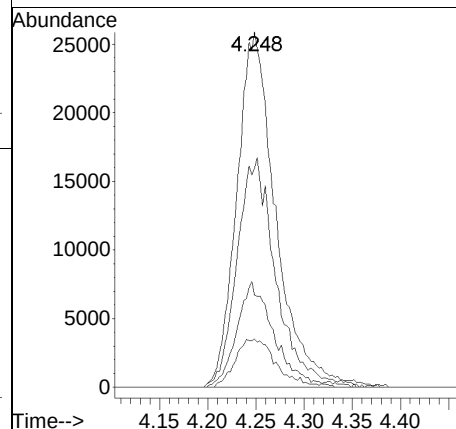
Sub List : 8260-NYTCL - Megamix plus Diox20912A\V30220912A01.D•

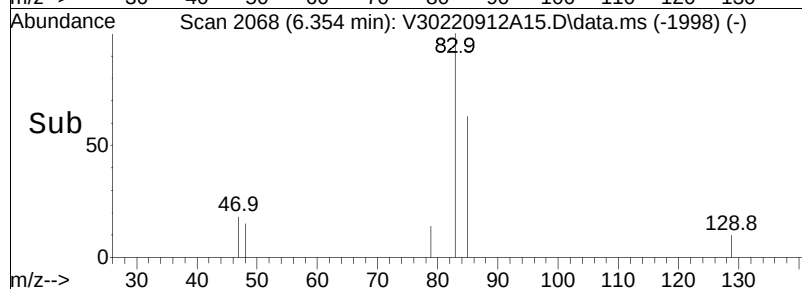
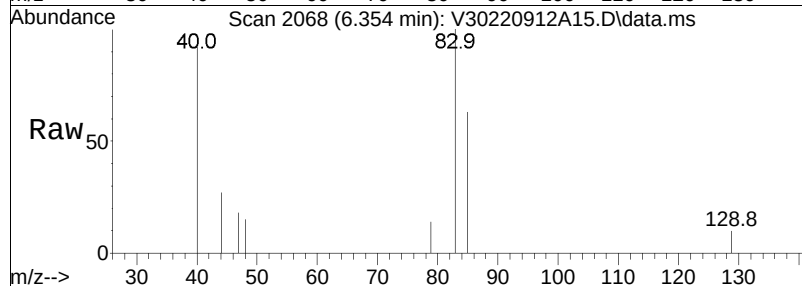
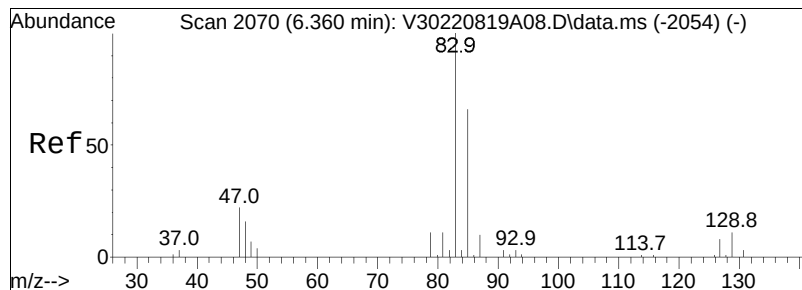




#32
 Chloroform
 Concen: 12.49 ug/L
 RT: 4.248 min Scan# 1313
 Delta R.T. -0.001 min
 Lab File: V30220912A15.D
 Acq: 12 Sep 2022 11:28 am

Tgt	Ion: 83	Resp:	73311
Ion	Ratio	Lower	Upper
83	100		
85	63.9	41.5	86.1
47	28.1	19.0	39.4
48	14.1	9.9	20.5





#54

Bromodichloromethane

Concen: 0.70 ug/L

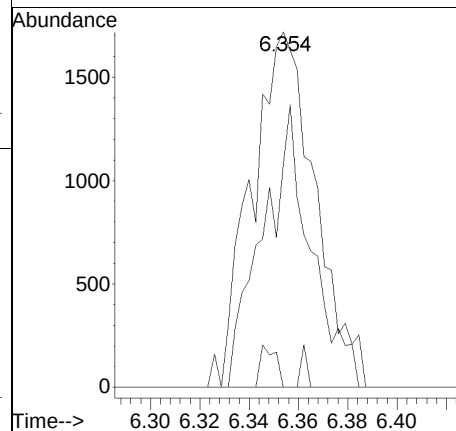
RT: 6.354 min Scan# 2068

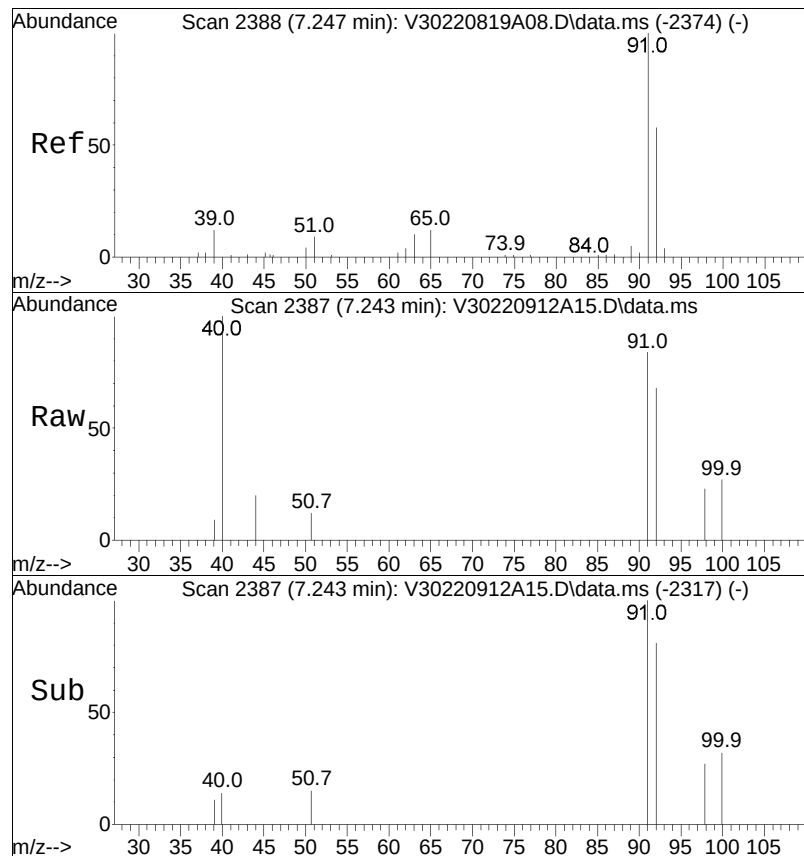
Delta R.T. -0.006 min

Lab File: V30220912A15.D

Acq: 12 Sep 2022 11:28 am

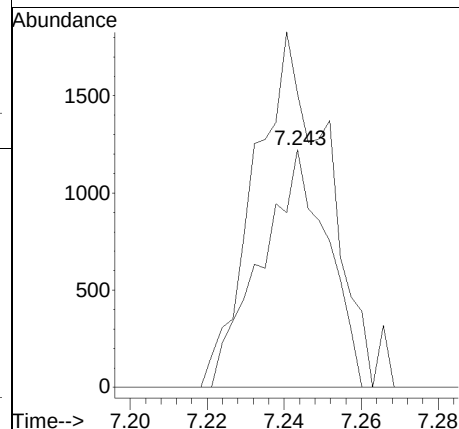
Tgt	Ion: 83	Resp:	3101
Ion	Ratio	Lower	Upper
83	100		
85	59.7	52.3	78.5
127	1.1	6.2	9.4#

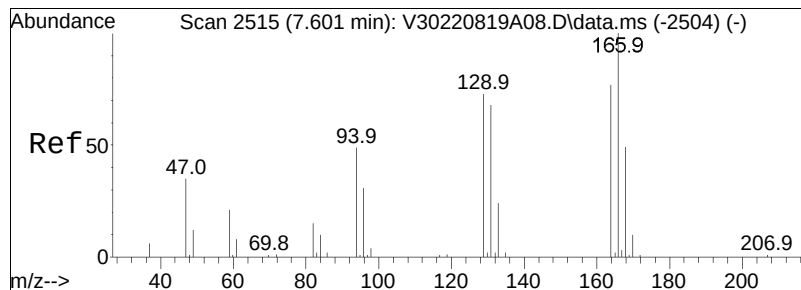




#61
Toluene
Concen: 0.18 ug/L
RT: 7.243 min Scan# 2387
Delta R.T. -0.004 min
Lab File: V30220912A15.D
Acq: 12 Sep 2022 11:28 am

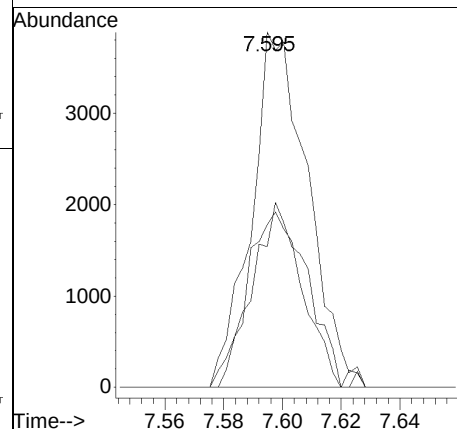
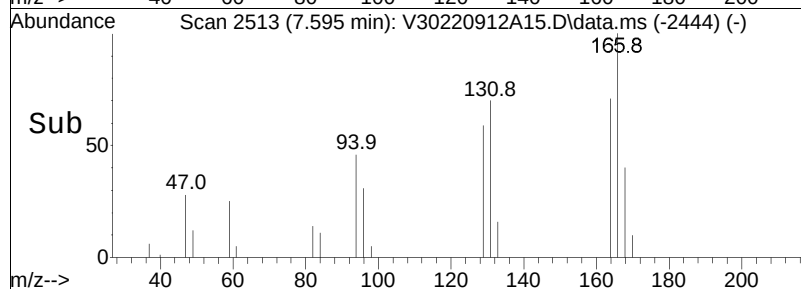
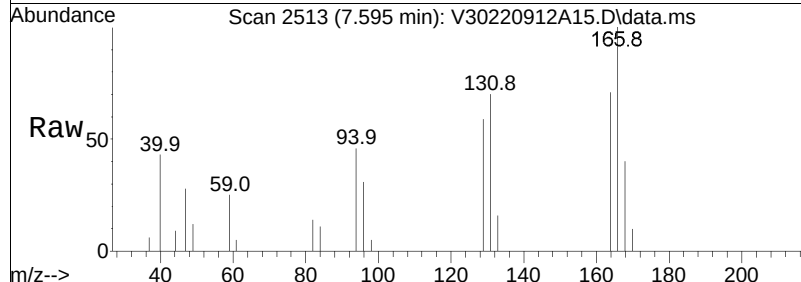
Tgt	Ion	Resp	Lower	Upper
92	100			
91	167.3	1458	139.8	209.6

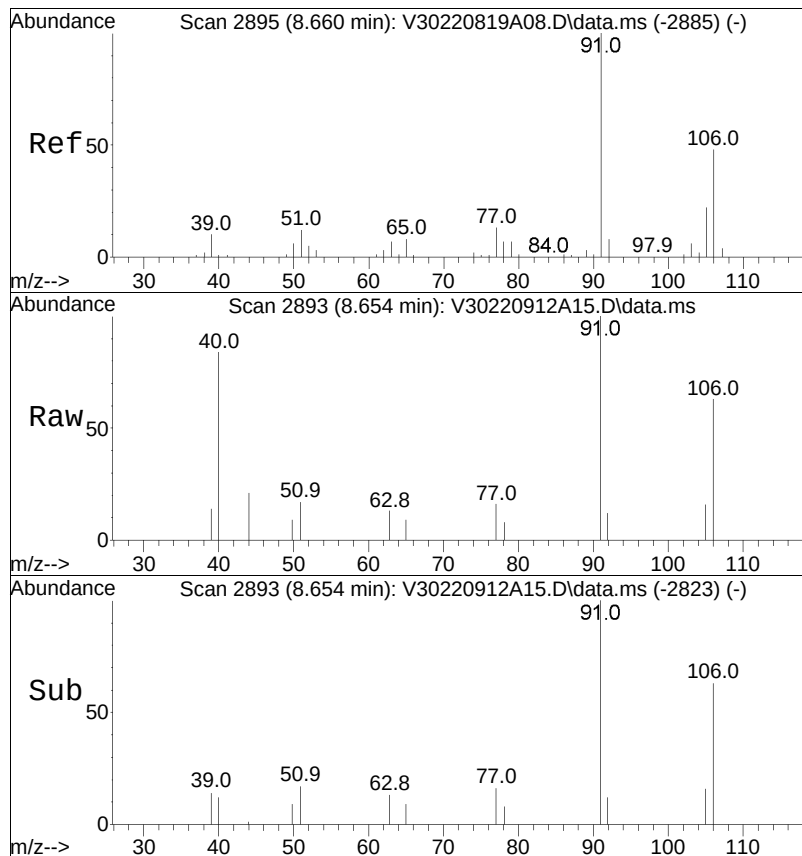




#63
Tetrachloroethene
Concen: 1.50 ug/L
RT: 7.595 min Scan# 2513
Delta R.T. -0.006 min
Lab File: V30220912A15.D
Acq: 12 Sep 2022 11:28 am

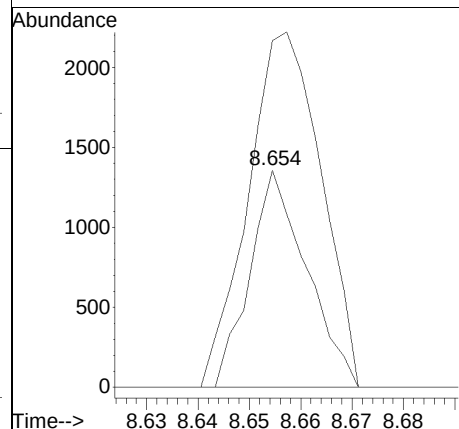
Tgt Ion:	166	Resp:	5191
Ion Ratio	Lower	Upper	
166	100		
168	51.2	28.2	68.2
94	48.9	38.4	78.4





#76
 p/m Xylene
 Concen: 0.18 ug/L
 RT: 8.654 min Scan# 2893
 Delta R.T. -0.006 min
 Lab File: V30220912A15.D
 Acq: 12 Sep 2022 11:28 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.9	166.4	249.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A15.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 11:28 am Instrument : VOA130
Sample : 12248605-01,31,10,10,,a,prQuant Date : 9/13/2022 12:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A16.D
 Acq On : 12 Sep 2022 11:47 am
 Operator : VOA130:MV
 Sample : 12248605-02,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 13 12:39:57 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	147607	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery	=	81.64%	
59) Chlorobenzene-d5	8.496	117	112132	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery	=	86.23%	
79) 1,4-Dichlorobenzene-d4	9.985	152	57818	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery	=	86.37%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.489	113	42653	10.942	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	109.42%	
43) 1,2-Dichloroethane-d4	5.133	65	42413	9.910	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.10%	
60) Toluene-d8	7.194	98	145377	9.981	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.81%	
83) 4-Bromofluorobenzene	9.316	95	54594	9.959	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.59%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	1.106	62	203	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.862	76	100	N.D.		
15) Methylene chloride	0.000		0	N.D.	d	
17) Acetone	2.400	43	963	1.977	ug/L #	62
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	2.629	73	28	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.	d	
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.811	96	1108M3	0.317	ug/L	
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	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\VOA130\2022\220912A\
 Data File : V30220912A16.D
 Acq On : 12 Sep 2022 11:47 am
 Operator : VOA130:MV
 Sample : 12248605-02,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 13 12:39:57 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0	N.D.		
39)	2-Butanone	4.695	43	26	N.D.		
40)	1,1-Dichloropropene	0.000		0	N.D.		
41)	Benzene	4.954	78	64176	5.129	ug/L	93
44)	1,2-Dichloroethane	5.216	62	1532M1	0.349	ug/L	
48)	Trichloroethene	5.677	95	1337	0.411	ug/L #	85
50)	Dibromomethane	0.000		0	N.D.		
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	0.000		0	N.D.		
57)	1,4-Dioxane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	7.241	92	13117	1.611	ug/L	96
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	7.598	166	4674	1.355	ug/L	93
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
67)	Ethyl methacrylate	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
70)	1,3-Dichloropropane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	0.000		0	N.D. d		
73)	Chlorobenzene	0.000		0	N.D. d		
74)	Ethylbenzene	8.549	91	39559	2.495	ug/L	99
75)	1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76)	p/m Xylene	8.658	106	14328	2.430	ug/L	95
77)	o Xylene	8.942	106	17969	3.121	ug/L	94
78)	Styrene	0.000		0	N.D. d		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	9.154	105	2393	0.155	ug/L	93
84)	Bromobenzene	0.000		0	N.D.		
85)	n-Propylbenzene	9.411	91	1621	0.087	ug/L	94
86)	1,4-Dichlorobutane	9.316	55	100	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88)	4-Ethyltoluene	9.472	105	6547	0.429	ug/L	97
89)	2-Chlorotoluene	0.000		0	N.D. d		
90)	1,3,5-Trimethylbenzene	9.536	105	2544	0.193	ug/L	96
91)	1,2,3-Trichloropropane	0.000		0	N.D.		
92)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d		
93)	4-Chlorotoluene	9.533	91	281	N.D.		
94)	tert-Butylbenzene	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A16.D
 Acq On : 12 Sep 2022 11:47 am
 Operator : VOA130:MV
 Sample : 12248605-02,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 13 12:39:57 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
97)	1,2,4-Trimethylbenzene	9.765	105	8636	0.665	ug/L		96
98)	sec-Butylbenzene	0.000		0	N.D.	d		
99)	p-Isopropyltoluene	9.913	119	242	N.D.			
100)	1,3-Dichlorobenzene	0.000		0	N.D.	d		
101)	1,4-Dichlorobenzene	9.996	146	1369	0.185	ug/L	#	55
102)	p-Diethylbenzene	10.138	119	125	N.D.			
103)	n-Butylbenzene	0.000		0	N.D.	d		
104)	1,2-Dichlorobenzene	10.233	146	57	N.D.			
105)	1,2,4,5-Tetramethylben...	10.579	119	287	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	0.000		0	N.D.			
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.			
110)	Naphthalene	11.246	128	3351	0.365	ug/L		100
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.			

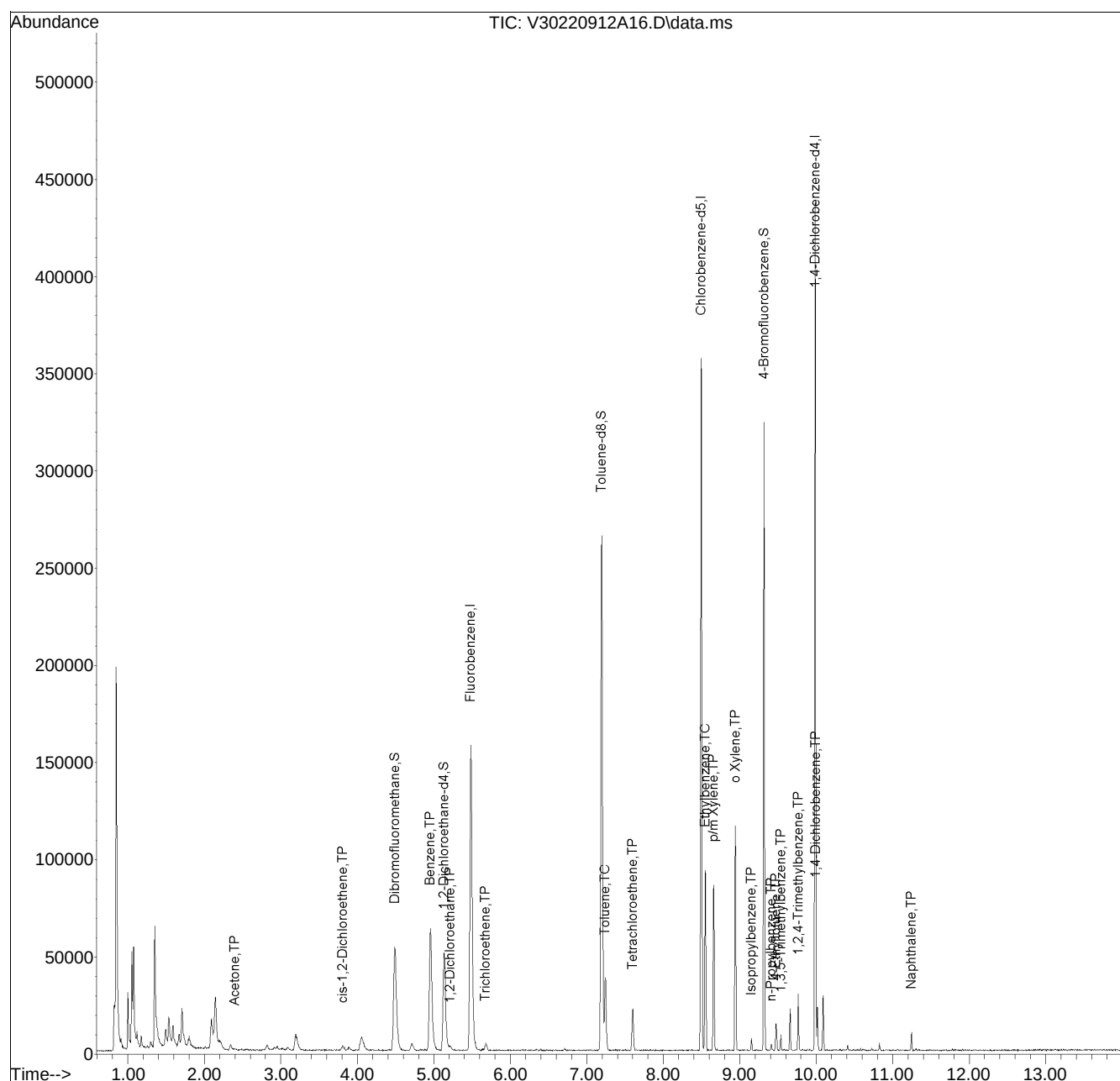
(#) = qualifier out of range (m) = manual integration (+) = signals summed

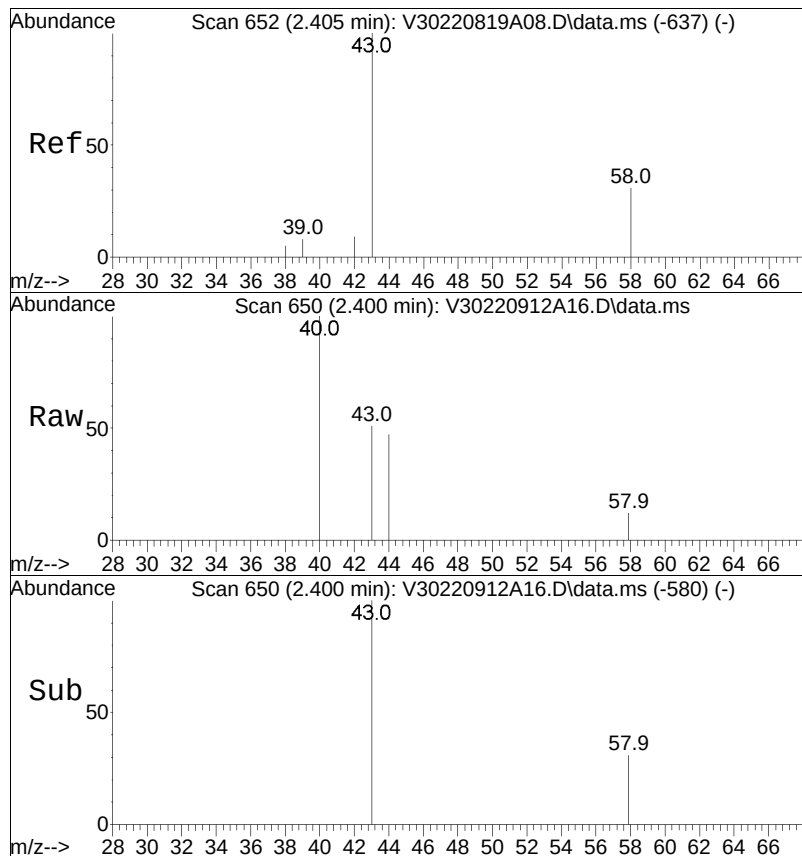
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A16.D
 Acq On : 12 Sep 2022 11:47 am
 Operator : VOA130:MV
 Sample : 12248605-02,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 13 12:39:57 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

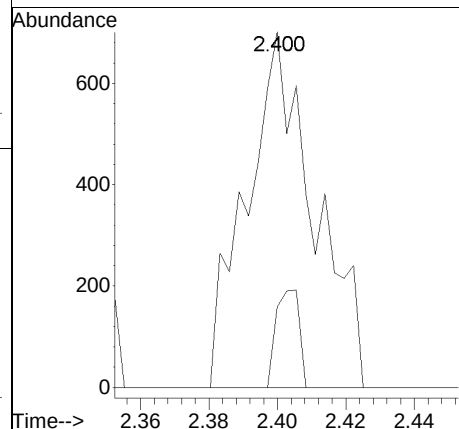
Sub List : 8260-NYTCL - Megamix plus Diox20912A\V30220912A01.D•

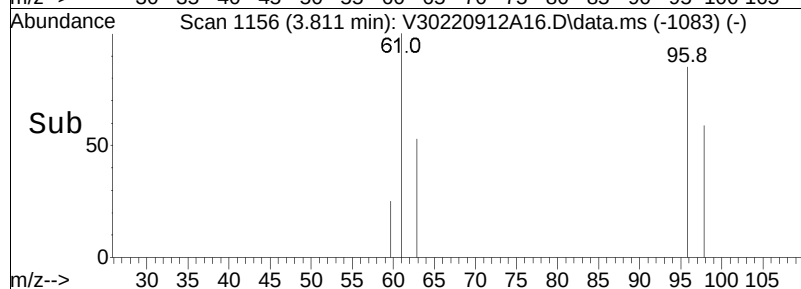
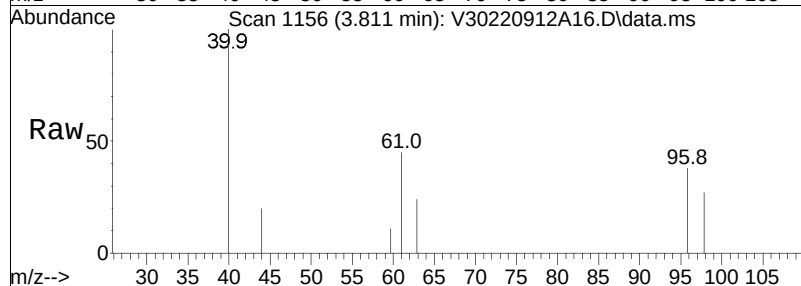
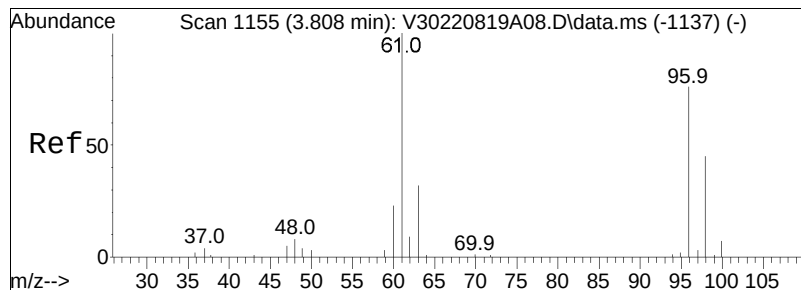




#17
Acetone
Concen: 1.98 ug/L
RT: 2.400 min Scan# 650
Delta R.T. -0.005 min
Lab File: V30220912A16.D
Acq: 12 Sep 2022 11:47 am

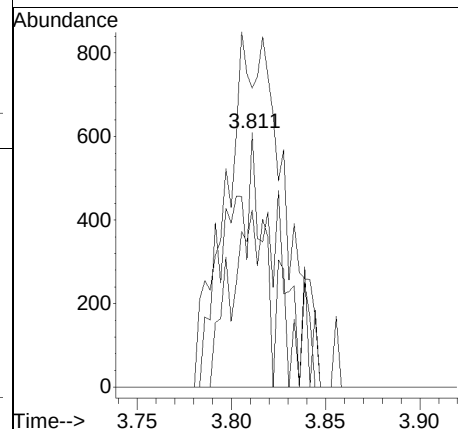
Tgt Ion	Ratio	Lower	Upper
43	100		
58	9.4	24.2	36.4#

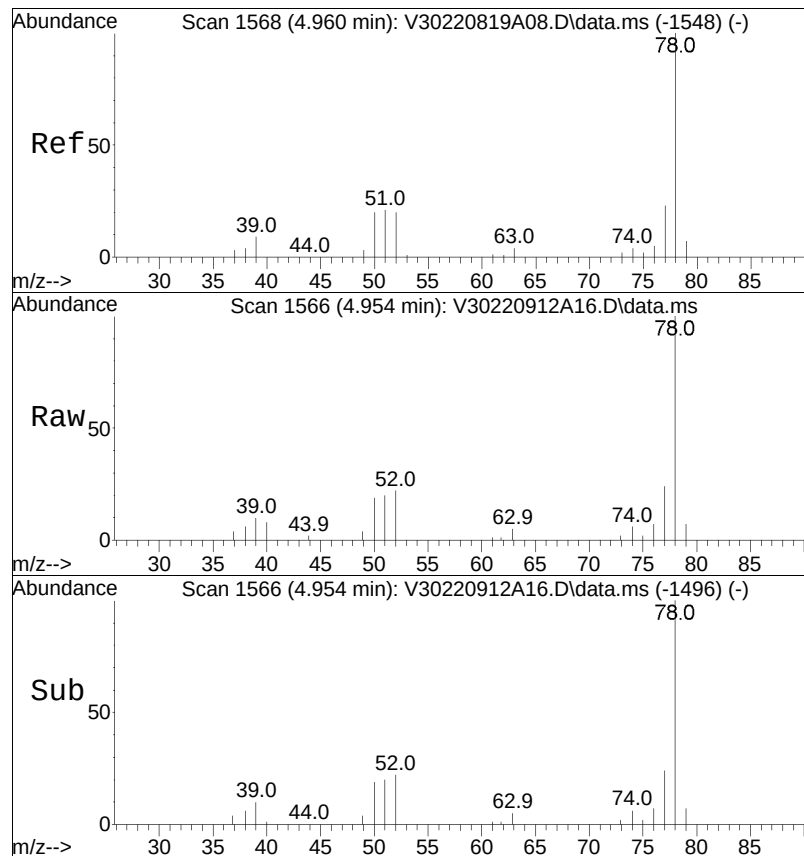




#28
 cis-1,2-Dichloroethene
 Concen: 0.32 ug/L M3
 RT: 3.811 min Scan# 1156
 Delta R.T. 0.003 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

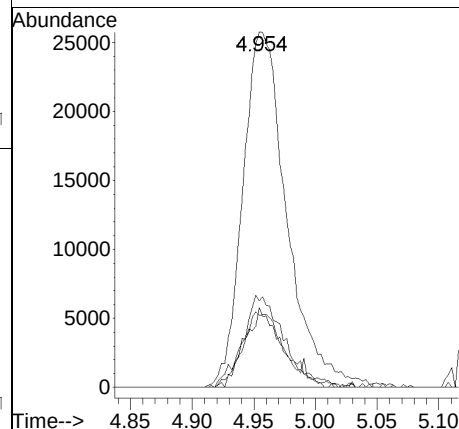
Tgt Ion	Ratio	Lower	Upper
96	100		
61	79.2	149.4	224.2#
98	37.0	53.4	80.2#

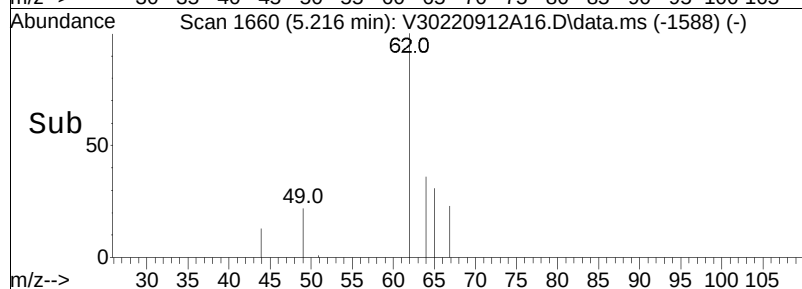
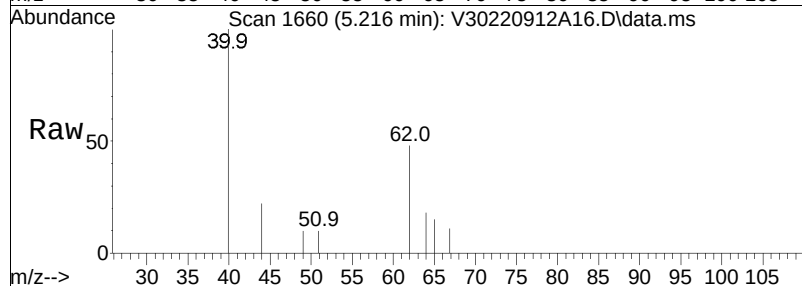
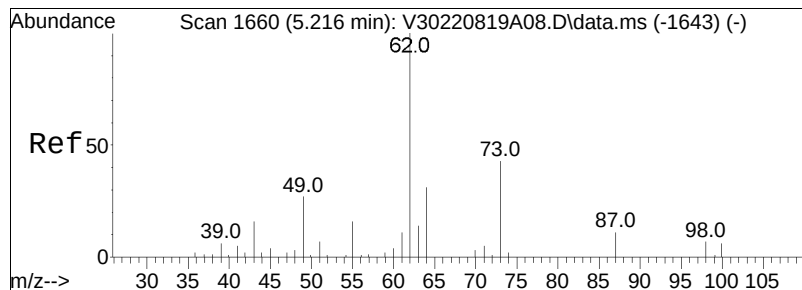




#41
Benzene
Concen: 5.13 ug/L
RT: 4.954 min Scan# 1566
Delta R.T. -0.006 min
Lab File: V30220912A16.D
Acq: 12 Sep 2022 11:47 am

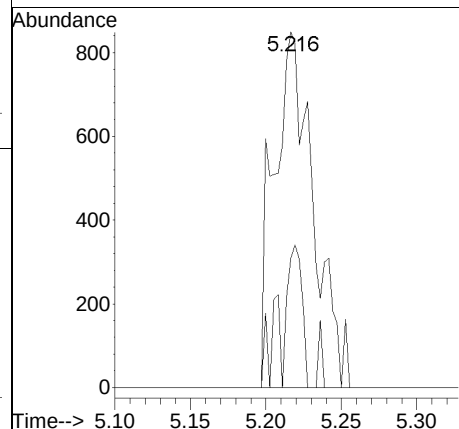
Tgt Ion:	78	Resp:	64176
Ion	Ratio	Lower	Upper
78	100		
77	24.2	15.7	32.7
51	19.6	16.0	33.2
52	18.8	15.3	31.9

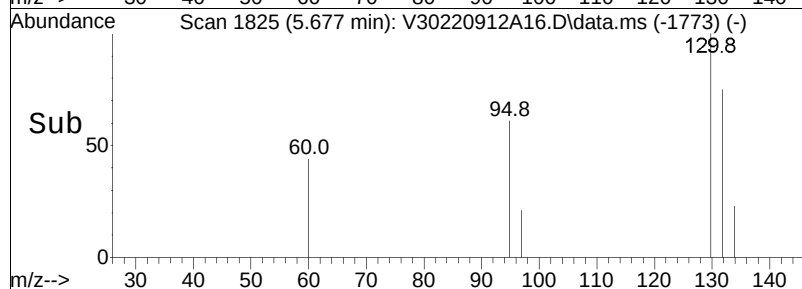
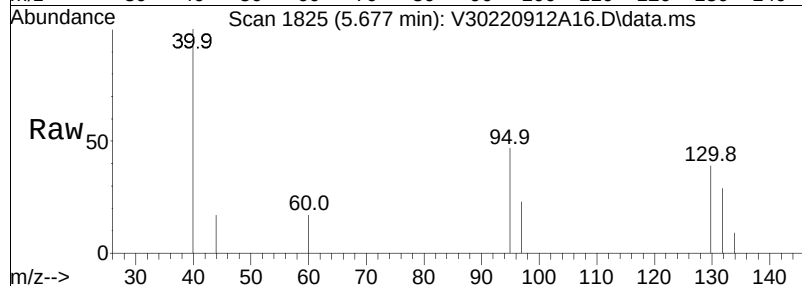
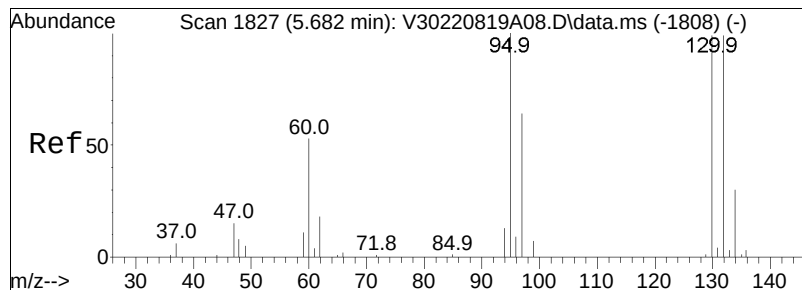




#44
 1,2-Dichloroethane
 Concen: 0.35 ug/L M1
 RT: 5.216 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

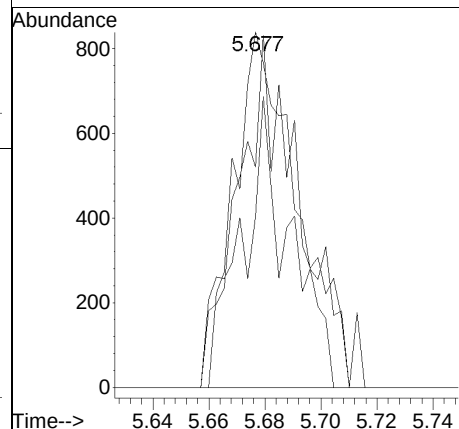
Tgt Ion:	62	Resp:	1532
Ion Ratio	Lower	Upper	
62	100		
64	14.9	11.2	51.2
98	0.0	0.0	26.1

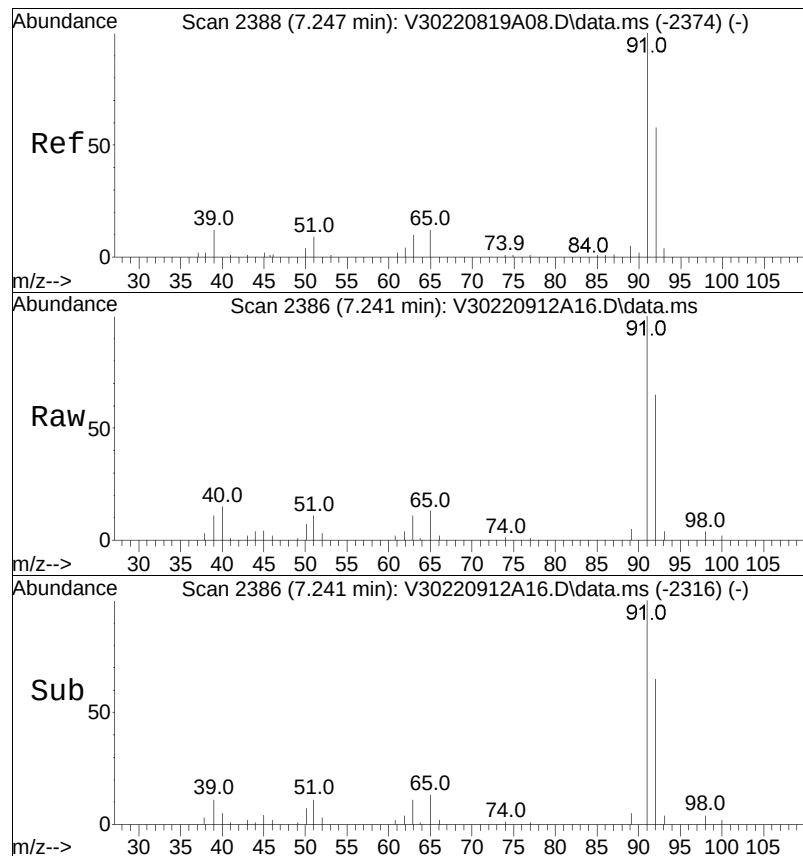




#48
 Trichloroethene
 Concen: 0.41 ug/L
 RT: 5.677 min Scan# 1825
 Delta R.T. -0.005 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

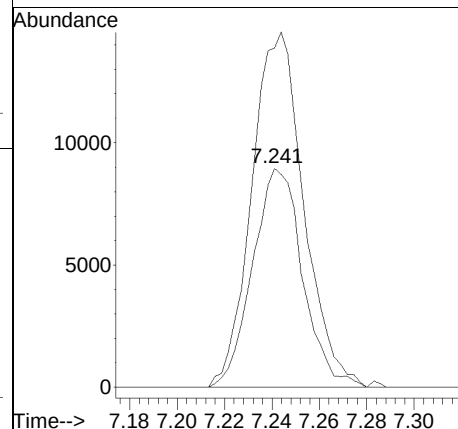
Tgt Ion	Ratio	Lower	Upper
95	100		
97	43.8	55.5	83.3#
132	92.7	76.6	115.0

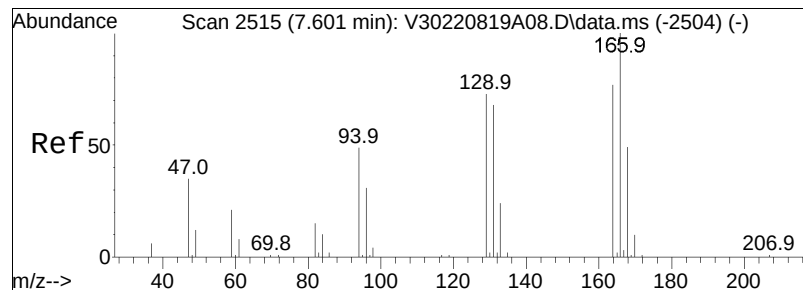




#61
Toluene
Concen: 1.61 ug/L
RT: 7.241 min Scan# 2386
Delta R.T. -0.006 min
Lab File: V30220912A16.D
Acq: 12 Sep 2022 11:47 am

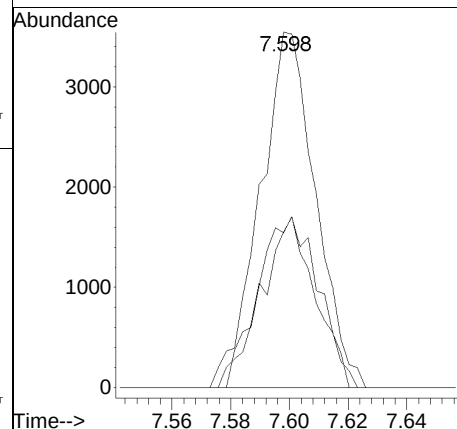
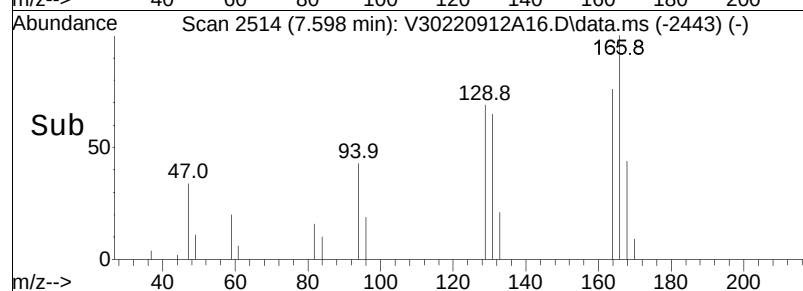
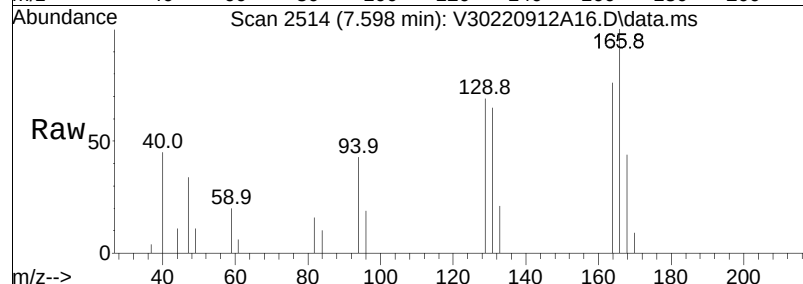
Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.9	139.8	209.6

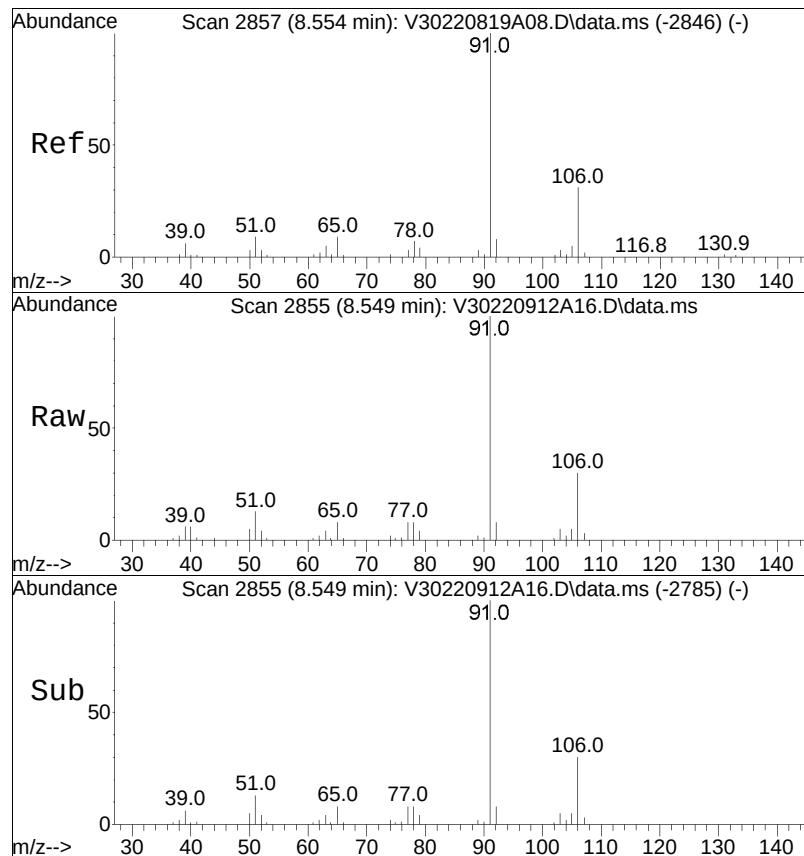




#63
Tetrachloroethene
Concen: 1.36 ug/L
RT: 7.598 min Scan# 2514
Delta R.T. -0.003 min
Lab File: V30220912A16.D
Acq: 12 Sep 2022 11:47 am

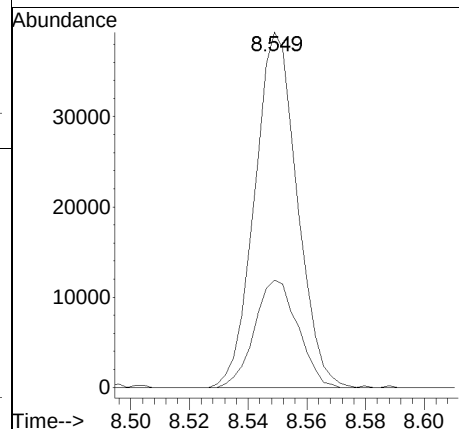
Tgt Ion	Ratio	Lower	Upper
166	100		
168	49.2	28.2	68.2
94	49.3	38.4	78.4

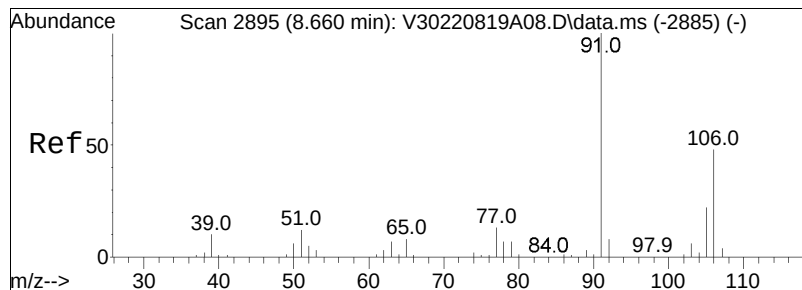




#74
 Ethylbenzene
 Concen: 2.50 ug/L
 RT: 8.549 min Scan# 2855
 Delta R.T. -0.005 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

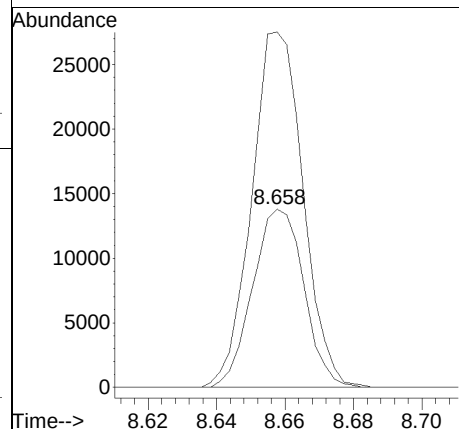
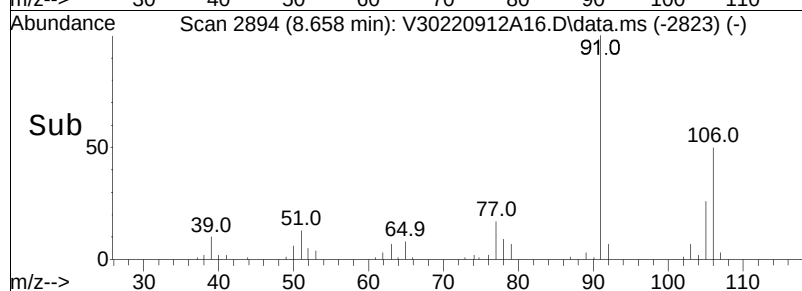
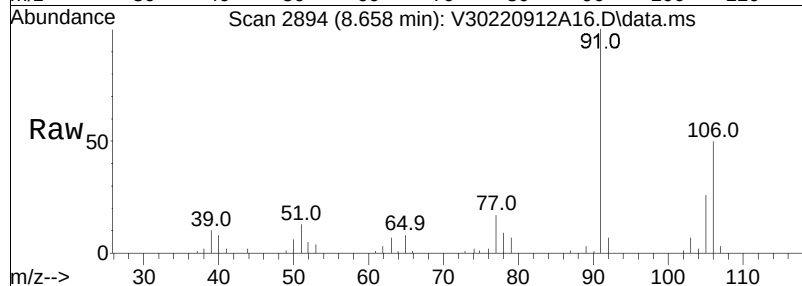
Tgt	Ion	Resp	Lower	Upper
91	100	39559		
106	30.7	24.3	36.5	

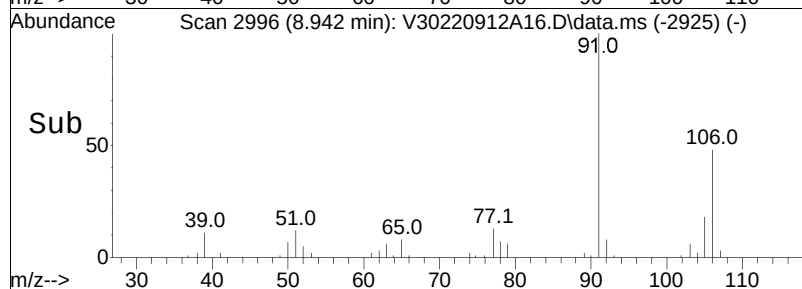
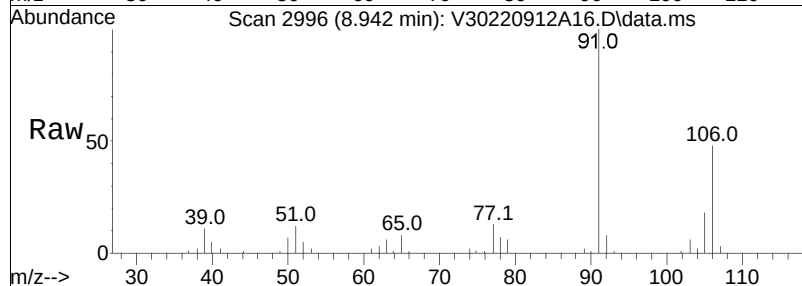
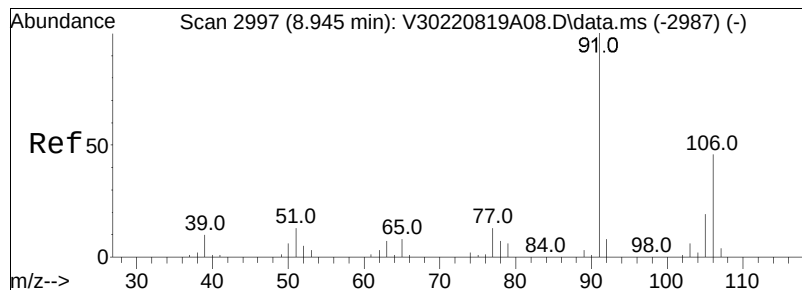




#76
 p/m Xylene
 Concen: 2.43 ug/L
 RT: 8.658 min Scan# 2894
 Delta R.T. -0.002 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.2	166.4	249.6





#77

o Xylene

Concen: 3.12 ug/L

RT: 8.942 min Scan# 2996

Delta R.T. -0.003 min

Lab File: V30220912A16.D

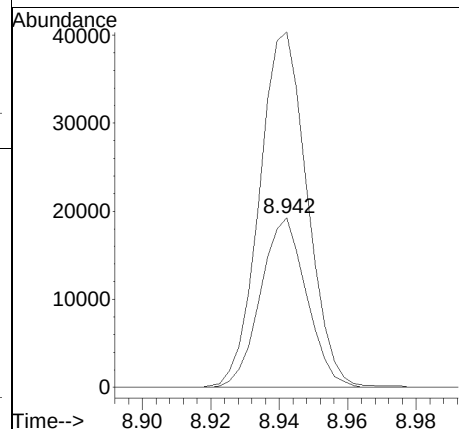
Acq: 12 Sep 2022 11:47 am

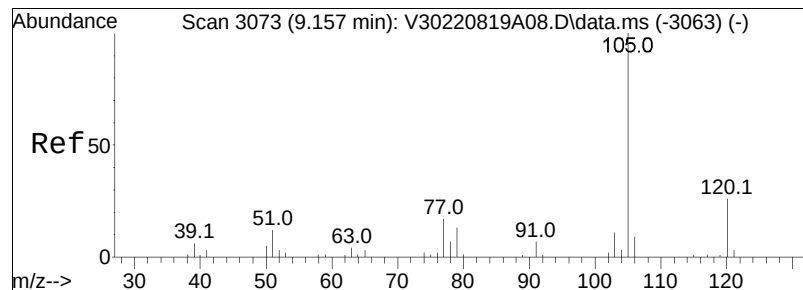
Tgt Ion:106 Resp: 17969

Ion Ratio Lower Upper

106 100

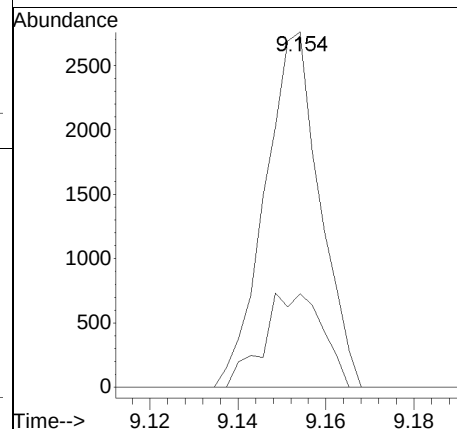
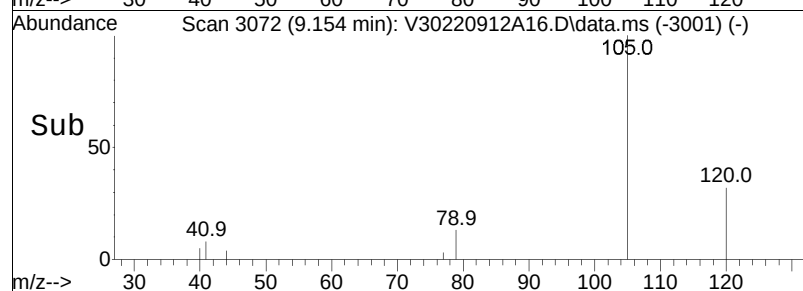
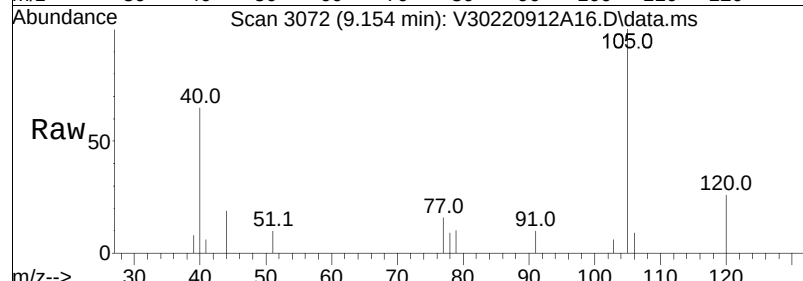
91 218.3 182.6 273.8

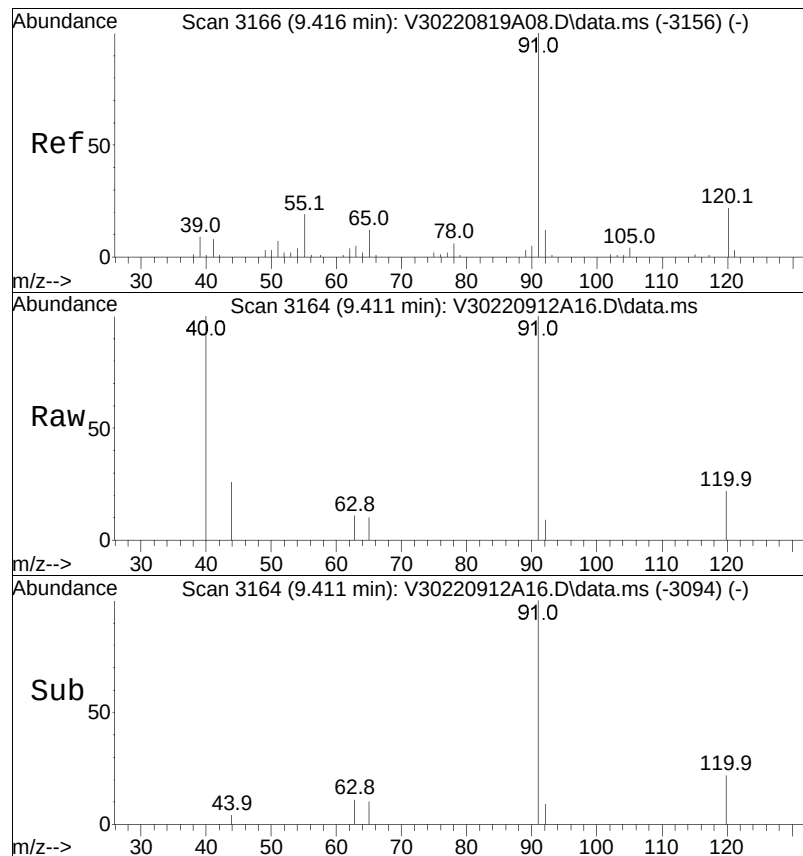




#82
 Isopropylbenzene
 Concen: 0.15 ug/L
 RT: 9.154 min Scan# 3072
 Delta R.T. -0.003 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

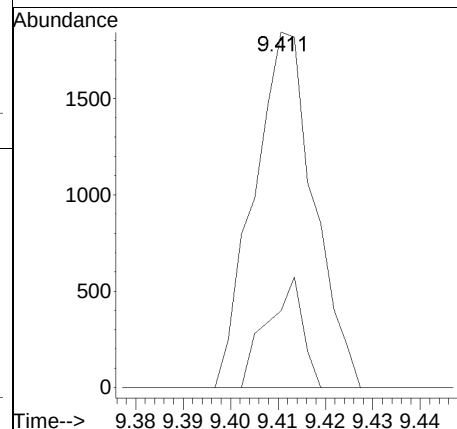
Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.5	4.8	44.8

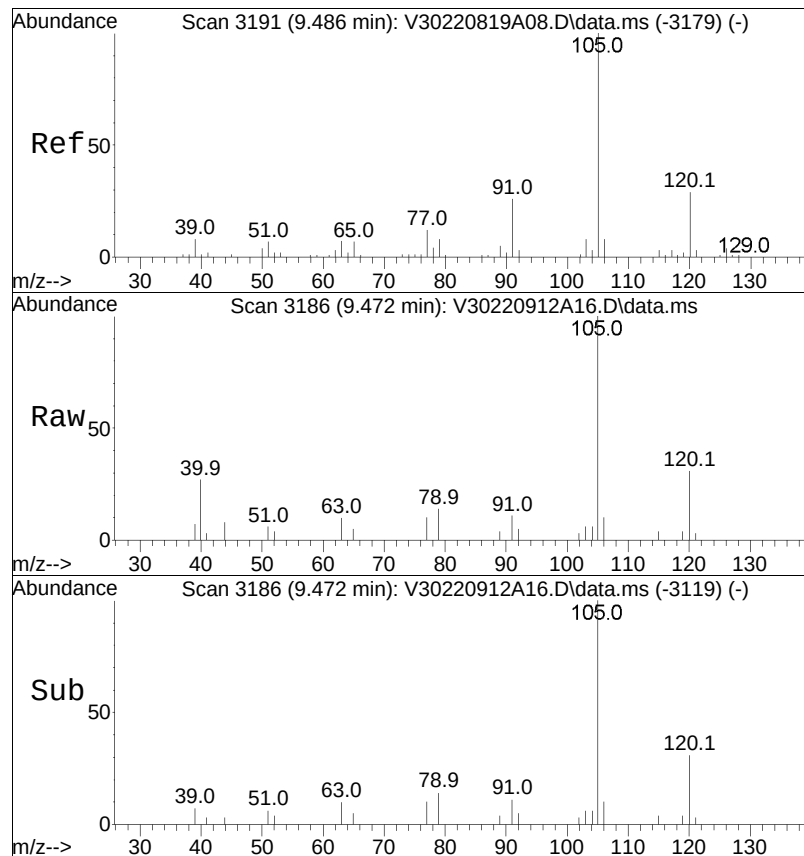




#85
 n-Propylbenzene
 Concen: 0.09 ug/L
 RT: 9.411 min Scan# 3164
 Delta R.T. -0.005 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

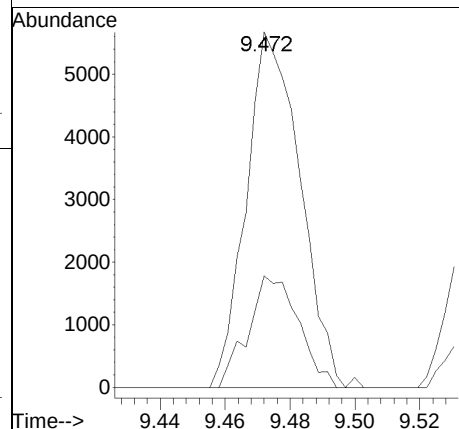
Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.4	17.0	25.6

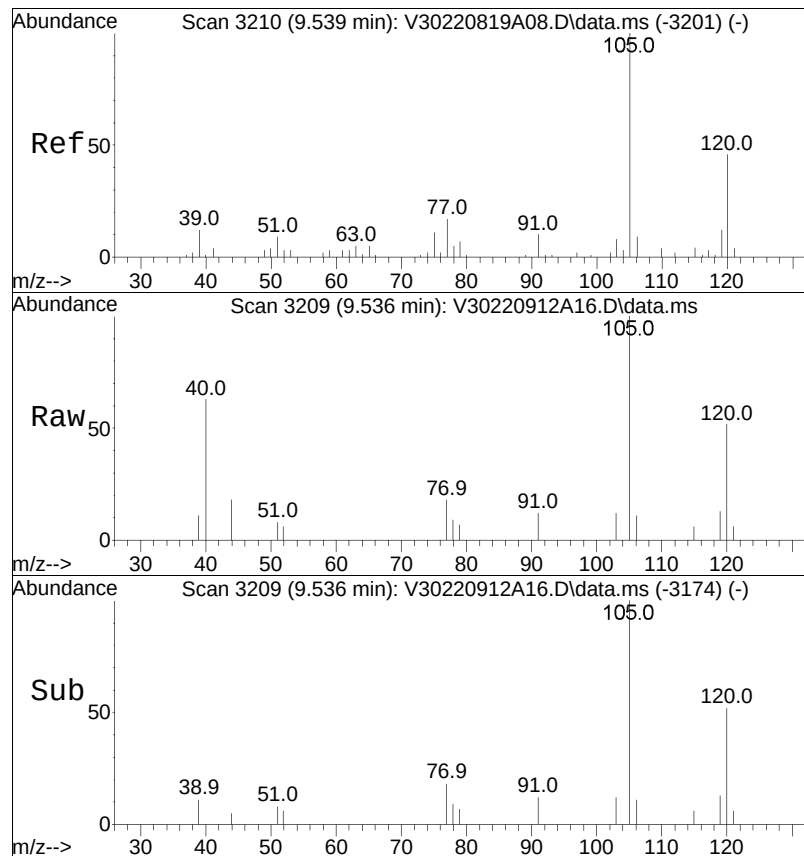




#88
 4-Ethyltoluene
 Concen: 0.43 ug/L
 RT: 9.472 min Scan# 3186
 Delta R.T. -0.014 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

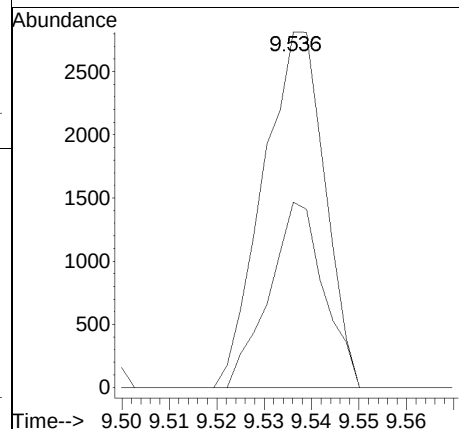
Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.4	18.1	37.7

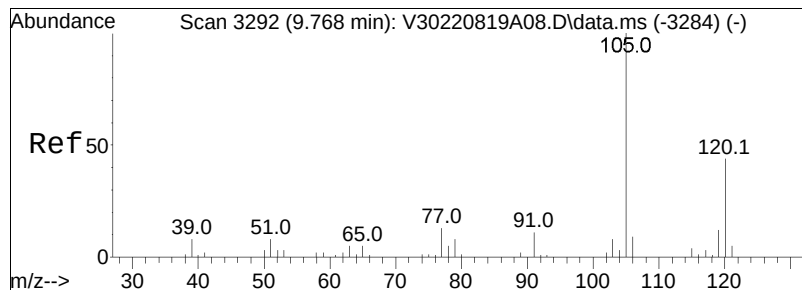




#90
 1,3,5-Trimethylbenzene
 Concen: 0.19 ug/L
 RT: 9.536 min Scan# 3209
 Delta R.T. -0.003 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	34.8	52.2





#97

1,2,4-Trimethylbenzene

Concen: 0.67 ug/L

RT: 9.765 min Scan# 3291

Delta R.T. -0.003 min

Lab File: V30220912A16.D

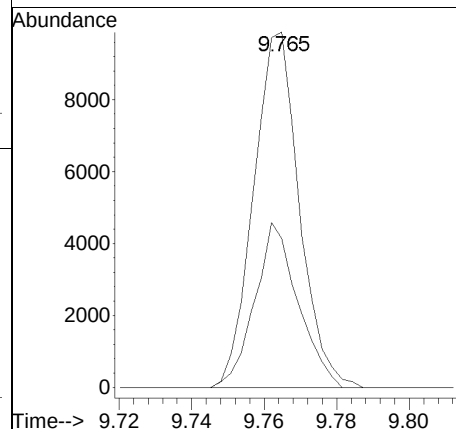
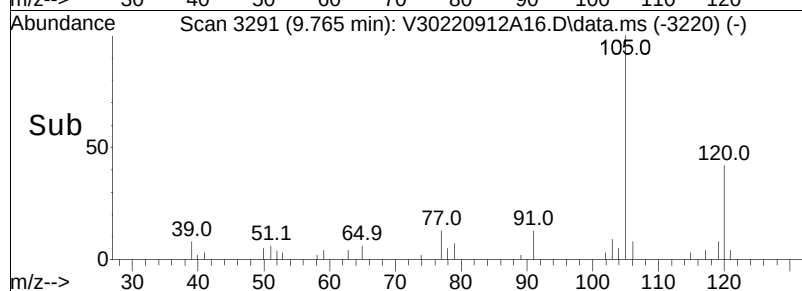
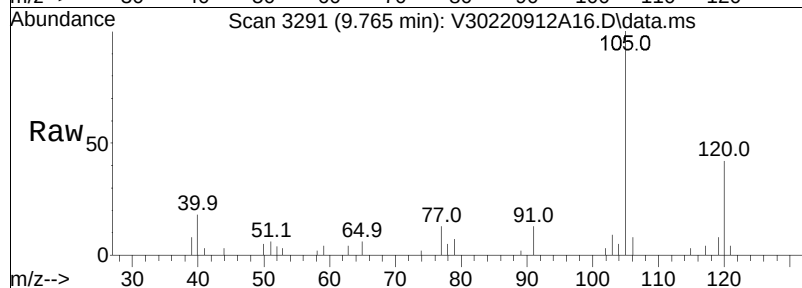
Acq: 12 Sep 2022 11:47 am

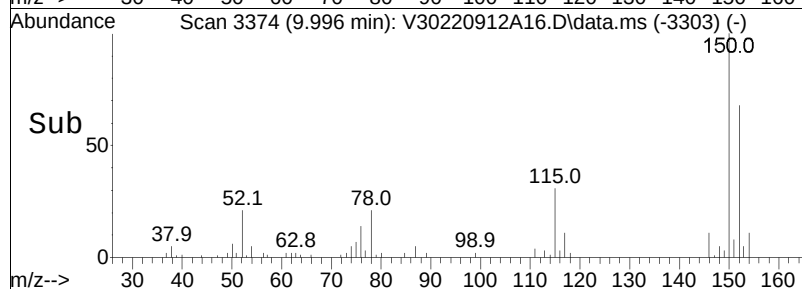
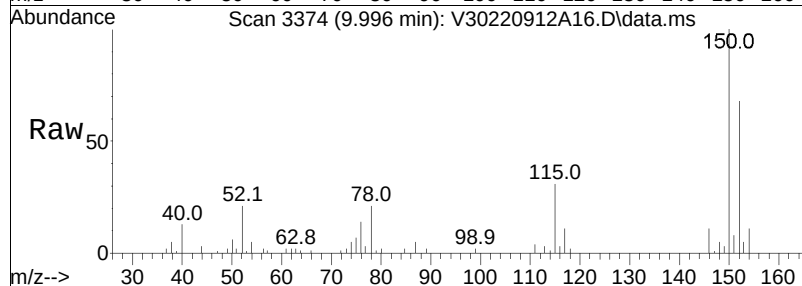
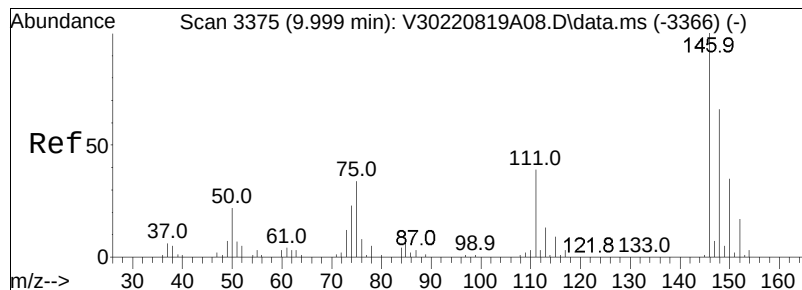
Tgt Ion:105 Resp: 8636

Ion Ratio Lower Upper

105 100

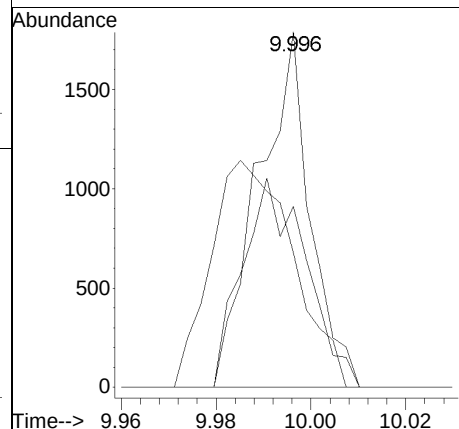
120 43.9 33.4 50.0

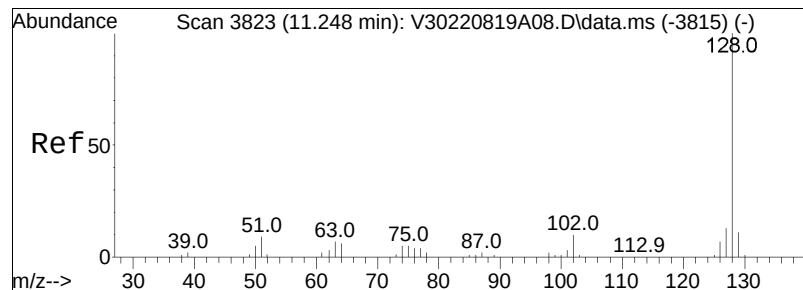




#101
 1,4-Dichlorobenzene
 Concen: 0.18 ug/L
 RT: 9.996 min Scan# 3374
 Delta R.T. -0.003 min
 Lab File: V30220912A16.D
 Acq: 12 Sep 2022 11:47 am

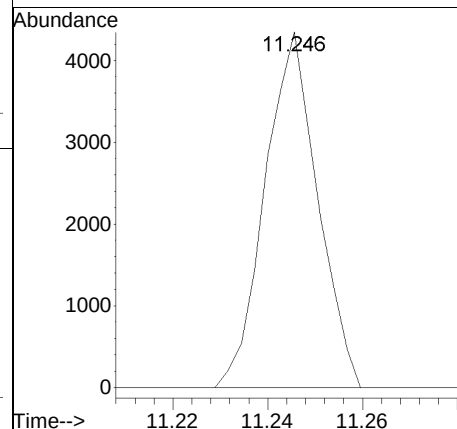
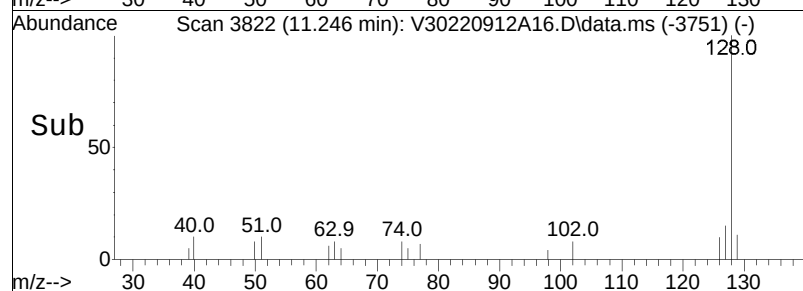
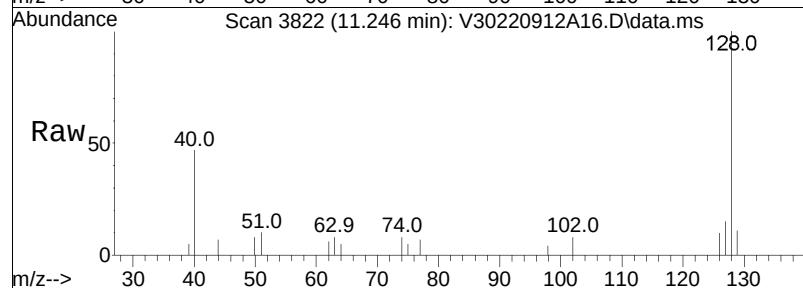
Tgt Ion	Ratio	Lower	Upper
146	100		
111	99.8	32.3	48.5#
148	71.7	49.9	74.9





#110
Naphthalene
Concen: 0.36 ug/L
RT: 11.246 min Scan# 3822
Delta R.T. -0.002 min
Lab File: V30220912A16.D
Acq: 12 Sep 2022 11:47 am

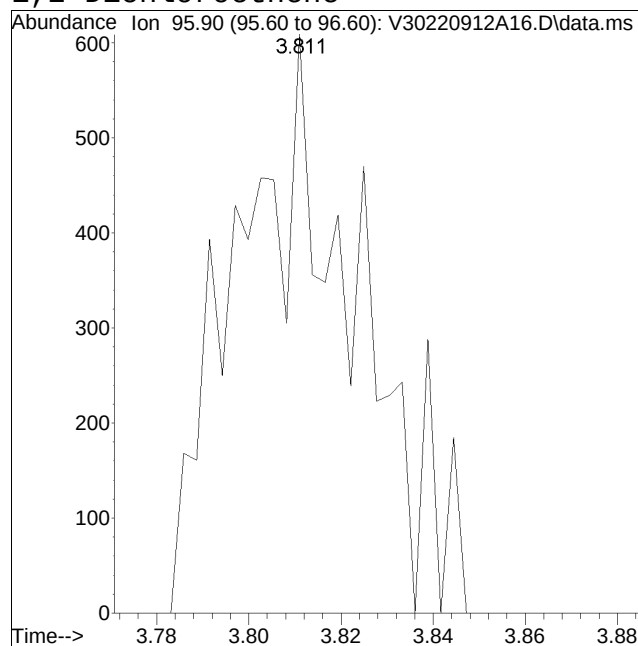
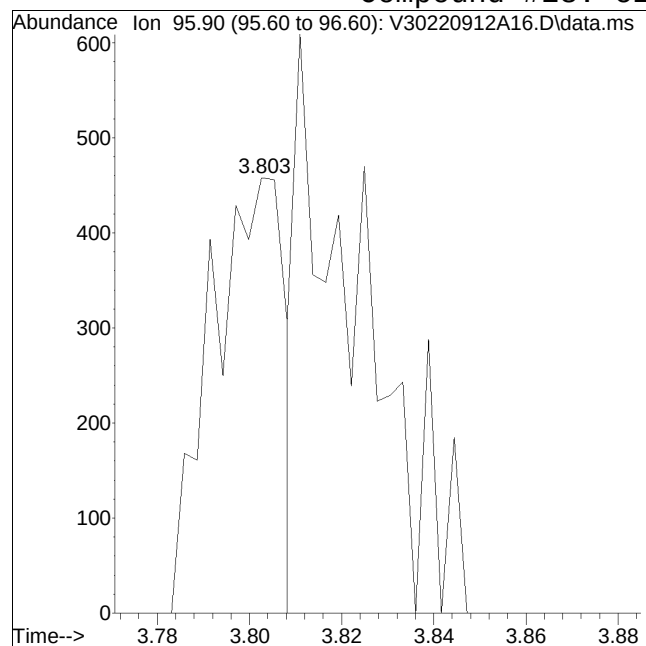
Tgt Ion:128 Resp: 3351



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A16.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 11:47 am Instrument : VOA130
Sample : l2248605-02,31,10,10,,a,prQuant Date : 9/13/2022 12:03 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 504

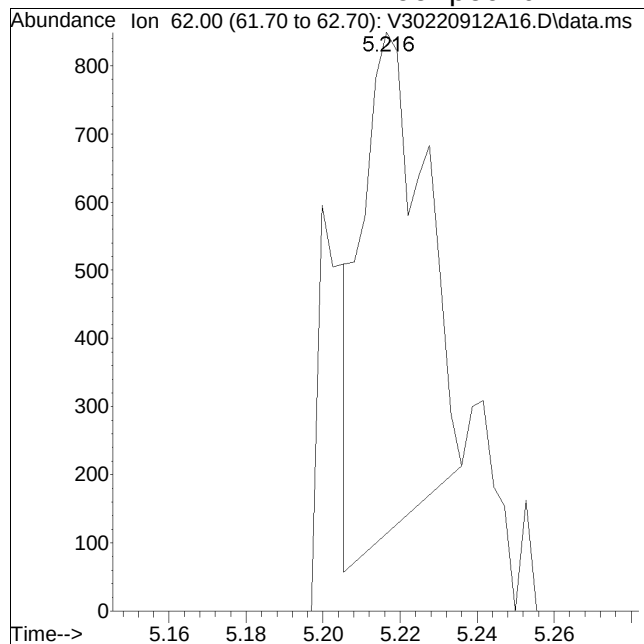
Manual Peak Response = 1108 M3

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

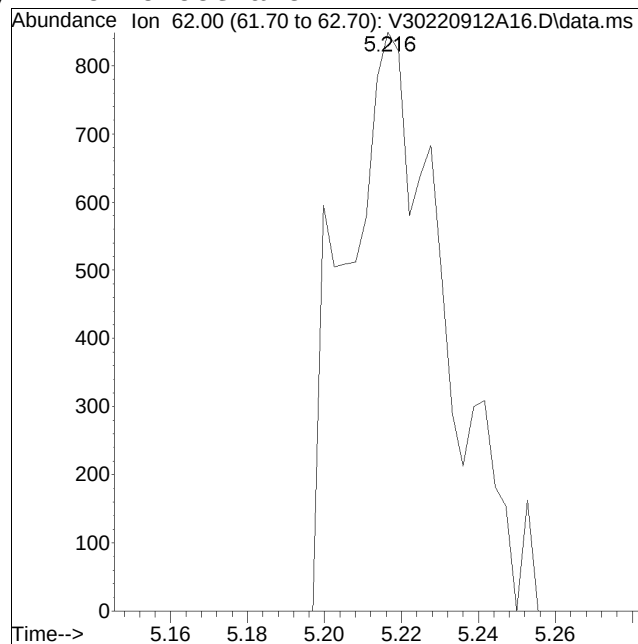
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A16.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 11:47 am Instrument : VOA130
Sample : 12248605-02,31,10,10,,a,prQuant Date : 9/13/2022 12:03 pm

Compound #44: 1,2-Dichloroethane



Original Peak Response = 829

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



Manual Peak Response = 1532 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A17.D
 Acq On : 12 Sep 2022 12:07 pm
 Operator : VOA130:MV
 Sample : 12248605-03,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 13 12:40:39 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	153480	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery =	84.88%		
59) Chlorobenzene-d5	8.496	117	114041	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery =	87.70%		
79) 1,4-Dichlorobenzene-d4	9.985	152	56179	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery =	83.92%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.489	113	43044	10.620	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.20%		
43) 1,2-Dichloroethane-d4	5.133	65	43439	9.761	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.61%		
60) Toluene-d8	7.194	98	147635	9.966	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.66%		
83) 4-Bromofluorobenzene	9.316	95	54041	10.146	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.46%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.821	85	28	N.D.		
3) Chloromethane	1.067	50	90	N.D.		
4) Vinyl chloride	1.109	62	40596	11.352	ug/L	92
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	1.402	64	3053	1.359	ug/L	96
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	1.853	96	476	0.163	ug/L #	67
11) Carbon disulfide	1.870	76	364	N.D.		
15) Methylene chloride	2.336	84	126	N.D.		
17) Acetone	2.400	43	564	1.113	ug/L #	54
18) trans-1,2-Dichloroethene	2.483	96	33904	10.725	ug/L	82
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.808	96	231133	63.648	ug/L #	79
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.246	83	81	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A17.D
 Acq On : 12 Sep 2022 12:07 pm
 Operator : VOA130:MV
 Sample : 12248605-03,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 13 12:40:39 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	4.963	78	169	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.679	95	84825	25.053	ug/L	96
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.244	92	2003	0.242	ug/L	90
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.598	166	133744	38.130	ug/L	93
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
67) Ethyl methacrylate	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.	d	
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.549	91	880	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.658	106	1392	0.232	ug/L	90
77) o Xylene	8.942	106	499	0.085	ug/L	85
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.151	105	282	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	0.000		0	N.D.	d	
86) 1,4-Dichlorobutane	0.000		0	N.D.	d	
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	9.536	105	187	N.D.		
89) 2-Chlorotoluene	9.316	91	191	N.D.		
90) 1,3,5-Trimethylbenzene	9.536	105	187	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A17.D
 Acq On : 12 Sep 2022 12:07 pm
 Operator : VOA130:MV
 Sample : 12248605-03,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 13 12:40:39 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.759	105	174	N.D.		
98)	sec-Butylbenzene	9.759	105	174	N.D.		
99)	p-Isopropyltoluene	9.915	119	160	N.D.		
100)	1,3-Dichlorobenzene	9.996	146	167	N.D.		
101)	1,4-Dichlorobenzene	9.996	146	167	N.D.		
102)	p-Diethylbenzene	10.136	119	25	N.D.		
103)	n-Butylbenzene	9.985	91	190	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	10.607	119	105	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	11.248	128	1497	0.168	ug/L	100
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

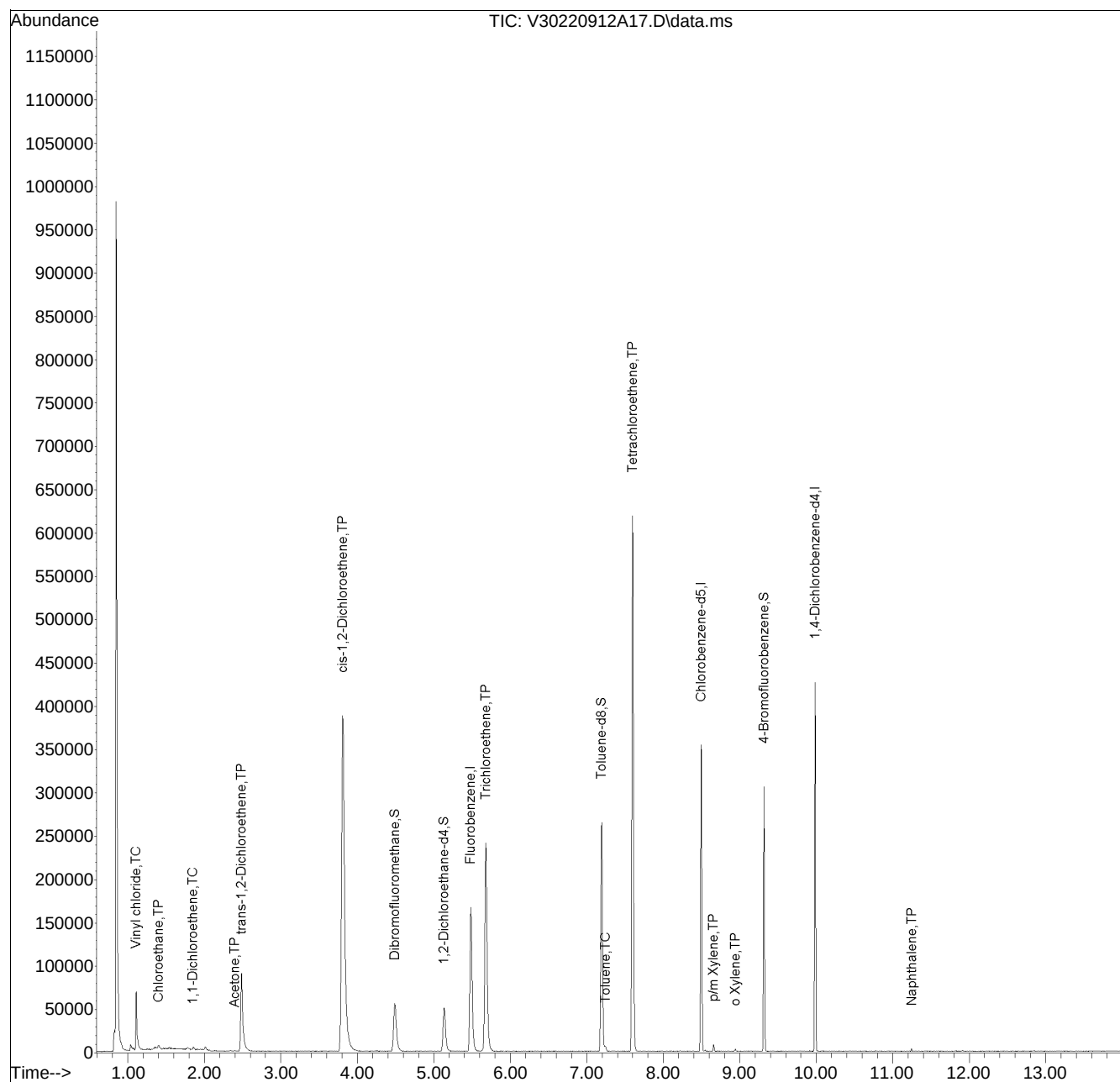
(#) = qualifier out of range (m) = manual integration (+) = signals summed

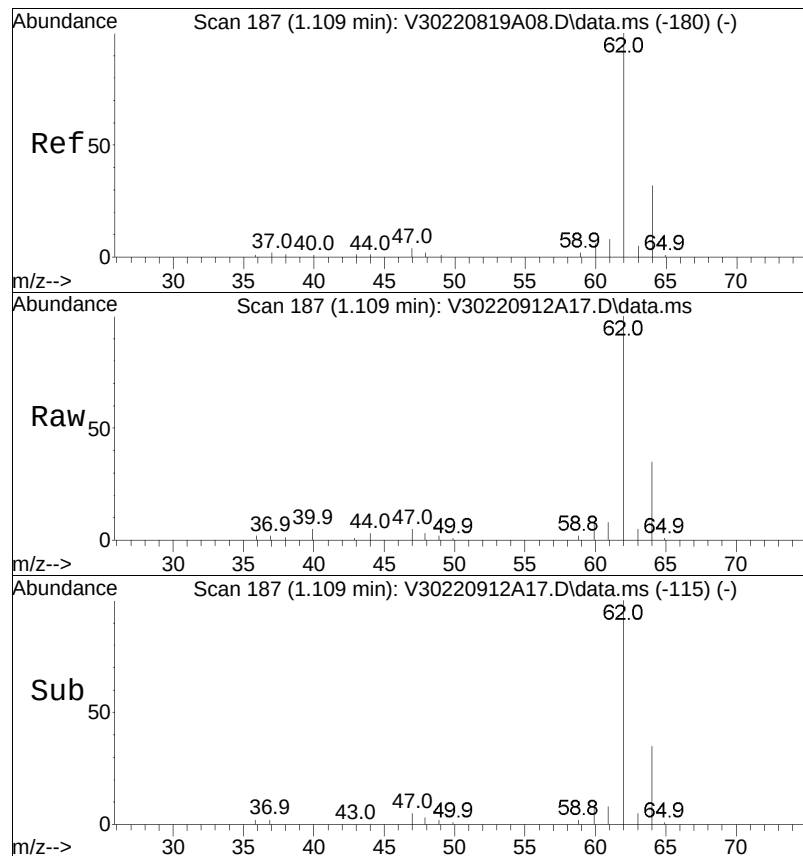
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A17.D
 Acq On : 12 Sep 2022 12:07 pm
 Operator : VOA130:MV
 Sample : l2248605-03,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 13 12:40:39 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

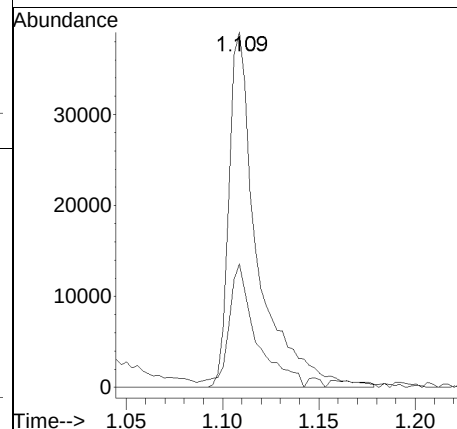
Sub List : 8260-NYTCL - Megamix plus Diox20912A\V30220912A01.D•

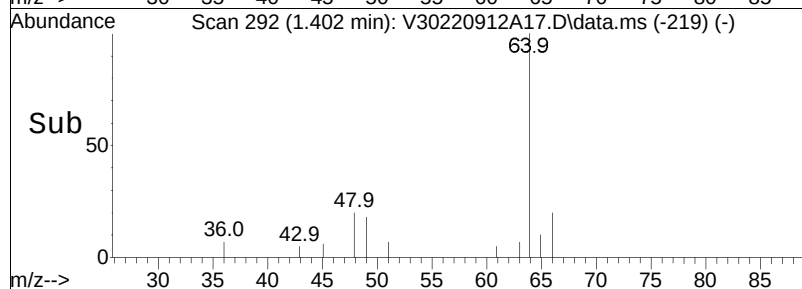
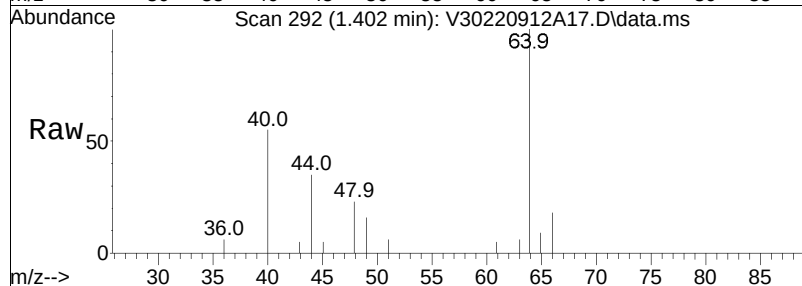
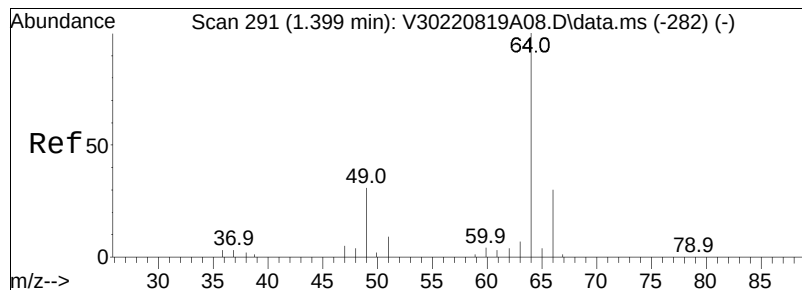




#4
 Vinyl chloride
 Concen: 11.35 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

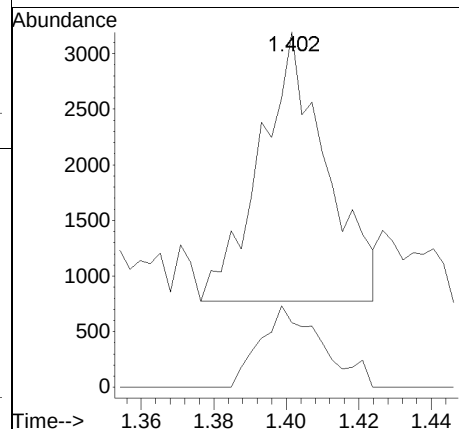
Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.6	9.1	49.1

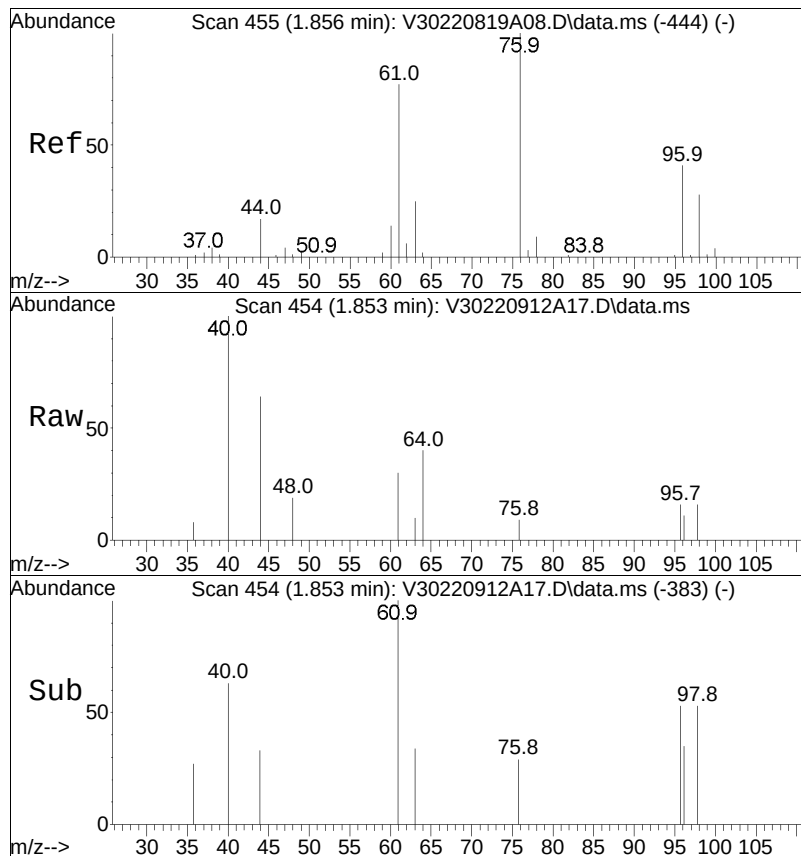




#6
 Chloroethane
 Concen: 1.36 ug/L
 RT: 1.402 min Scan# 292
 Delta R.T. 0.002 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

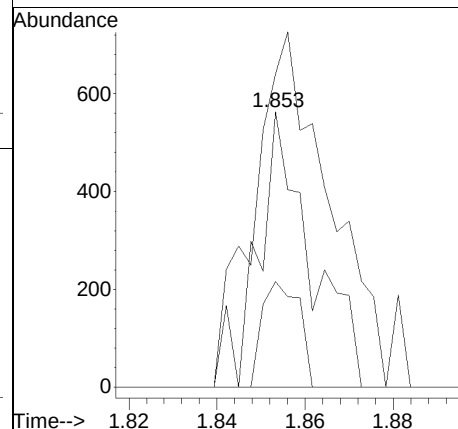
Tgt Ion	Ratio	Lower	Upper
64	100		
66	27.9	9.8	49.8

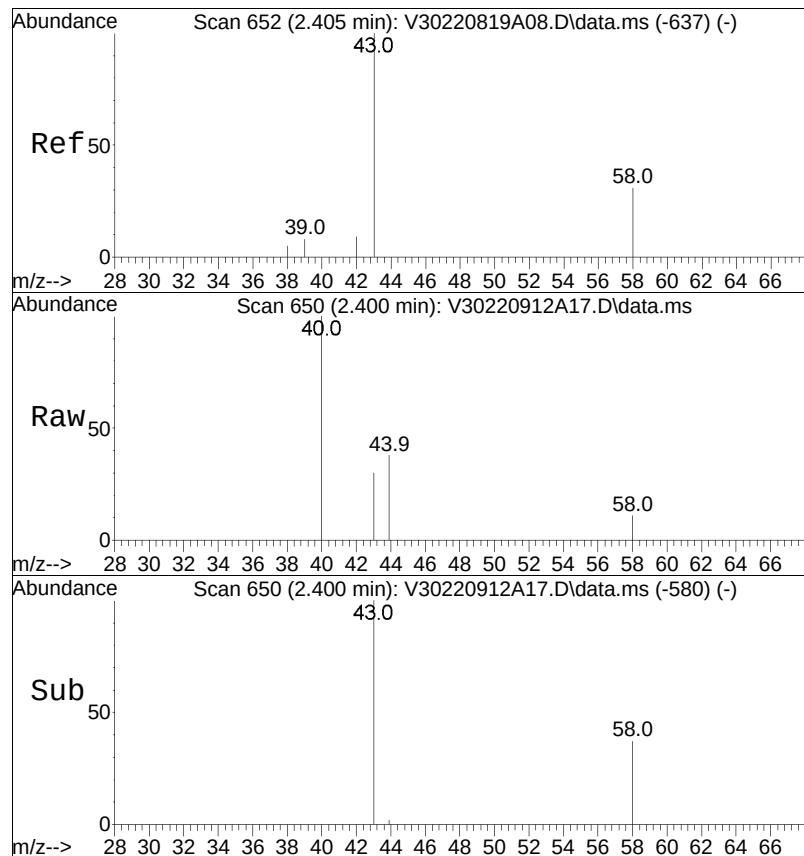




#10
 1,1-Dichloroethene
 Concen: 0.16 ug/L
 RT: 1.853 min Scan# 454
 Delta R.T. -0.003 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

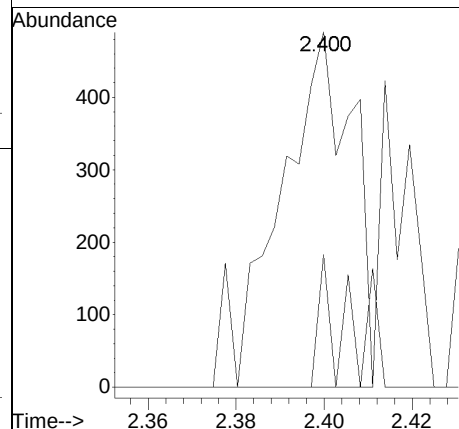
Tgt Ion:	96	Resp:	476
Ion Ratio	Lower	Upper	
96	100		
61	189.5	186.1	279.1
63	26.5	57.6	86.4#

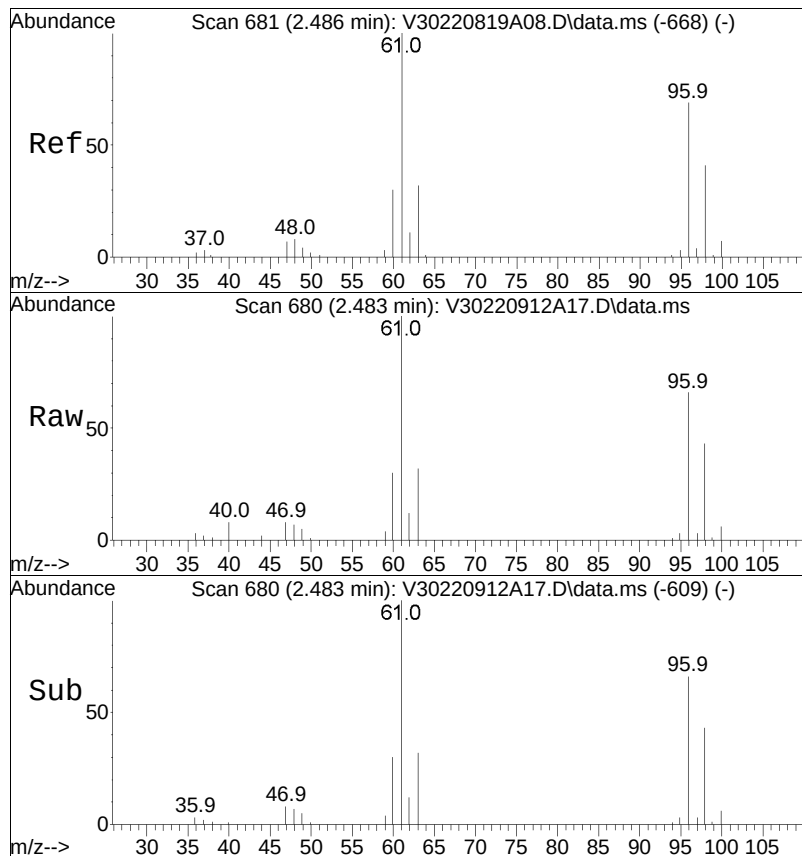




#17
 Acetone
 Concen: 1.11 ug/L
 RT: 2.400 min Scan# 650
 Delta R.T. -0.005 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

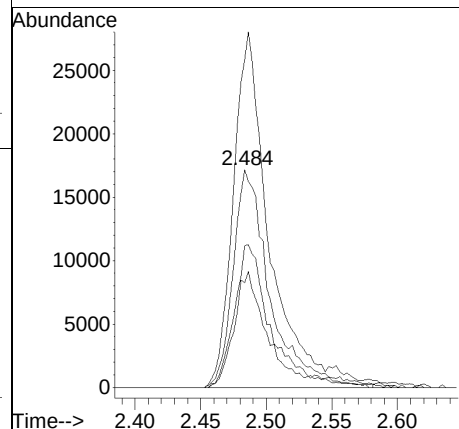
Tgt Ion	Ratio	Lower	Upper
43	100		
58	5.5	24.2	36.4#

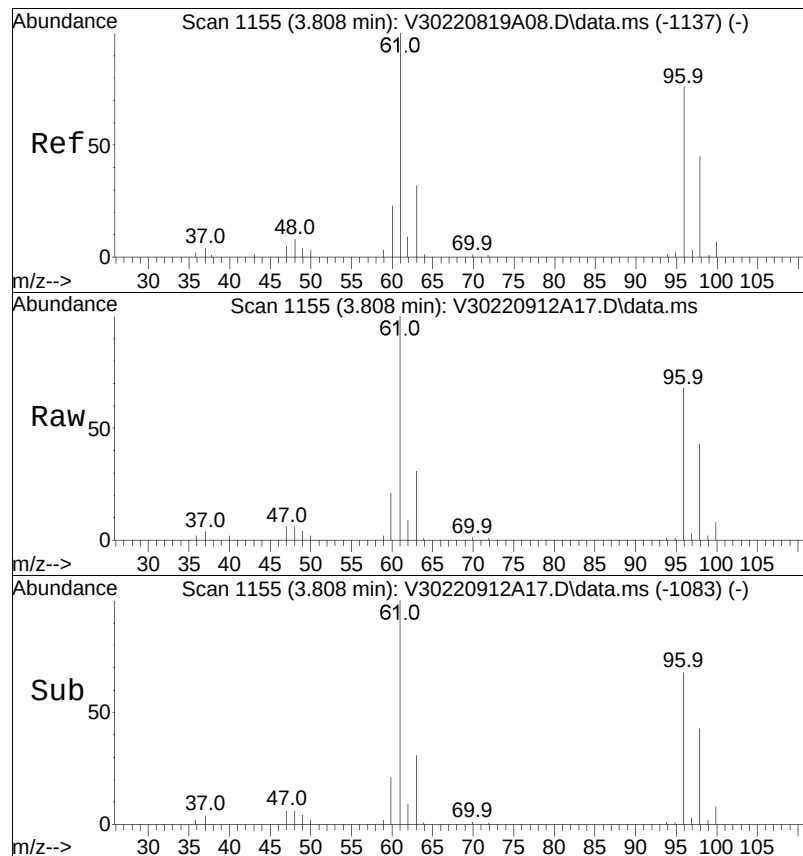




#18
 trans-1,2-Dichloroethene
 Concen: 10.73 ug/L
 RT: 2.483 min Scan# 680
 Delta R.T. -0.003 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

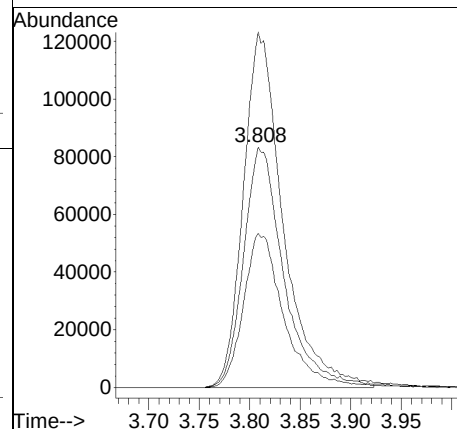
Tgt	Ion: 96	Resp:	33904
Ion	Ratio	Lower	Upper
96	100		
61	153.4	124.0	257.6
98	61.0	41.2	85.6
63	50.1	38.4	79.7

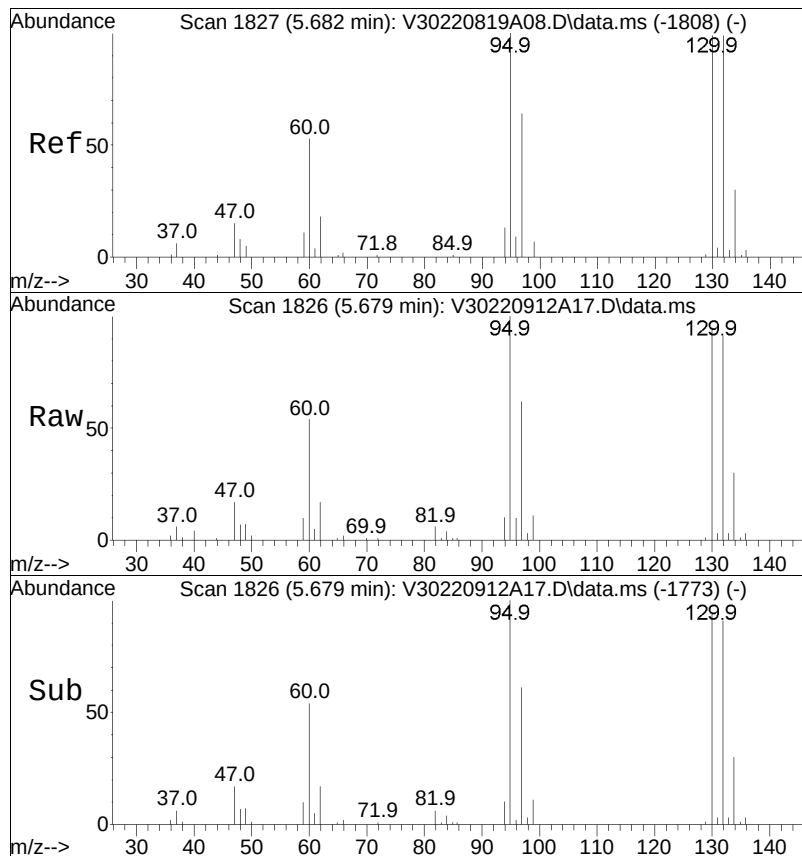




#28
 cis-1,2-Dichloroethene
 Concen: 63.65 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

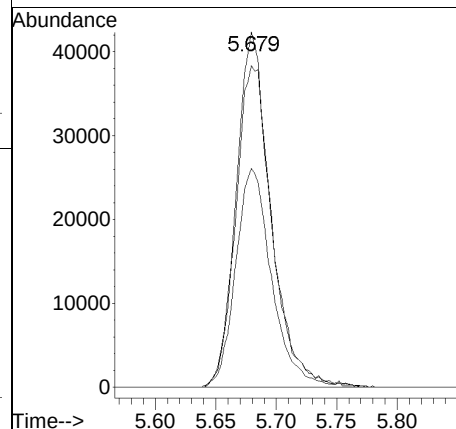
Tgt Ion:	96	Resp:	231133
Ion Ratio	Lower	Upper	
96	100		
61	147.2	149.4	224.2#
98	64.2	53.4	80.2

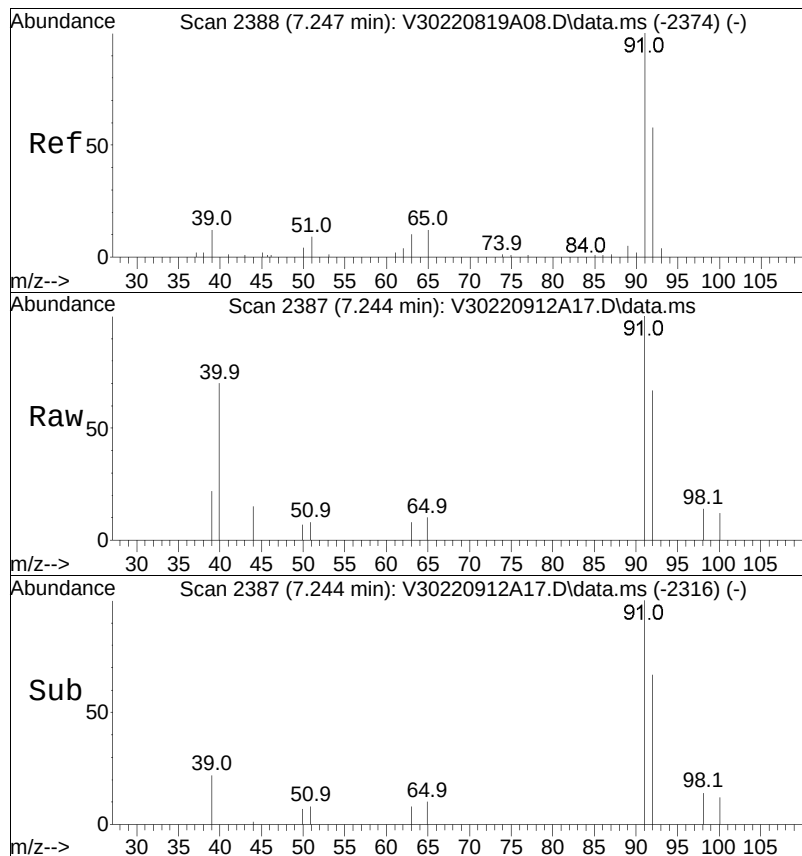




#48
 Trichloroethene
 Concen: 25.05 ug/L
 RT: 5.679 min Scan# 1826
 Delta R.T. -0.003 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

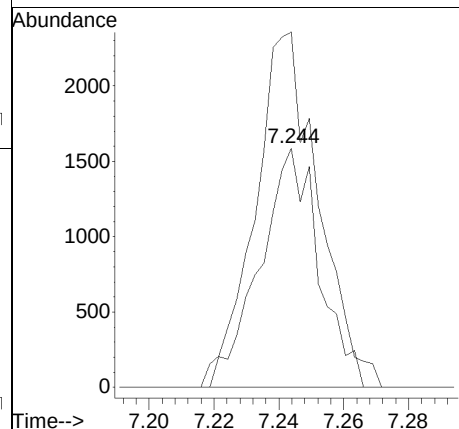
Tgt Ion:	95	Resp:	84825
Ion Ratio	Lower	Upper	
95	100		
97	63.7	55.5	83.3
132	94.3	76.6	115.0

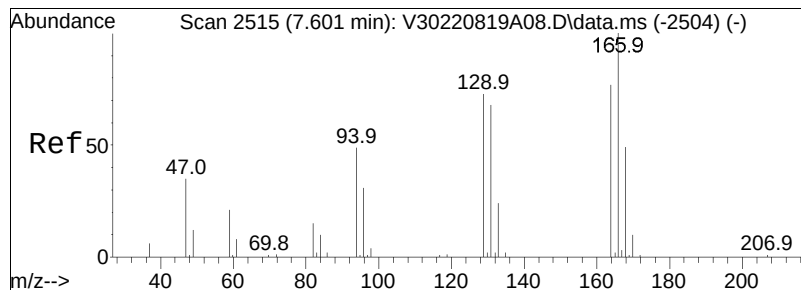




#61
 Toluene
 Concen: 0.24 ug/L
 RT: 7.244 min Scan# 2387
 Delta R.T. -0.003 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

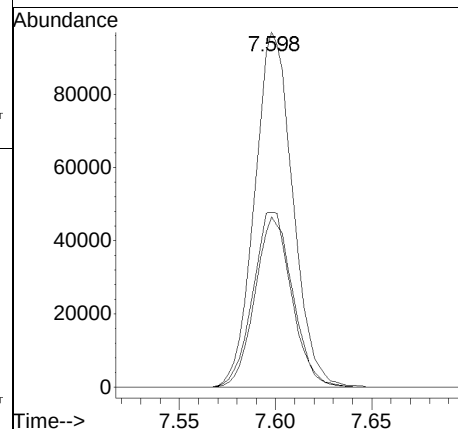
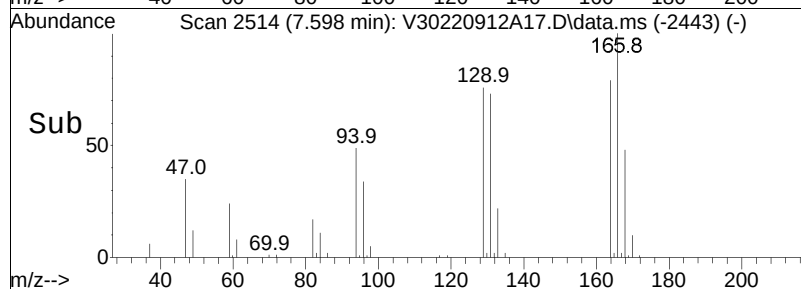
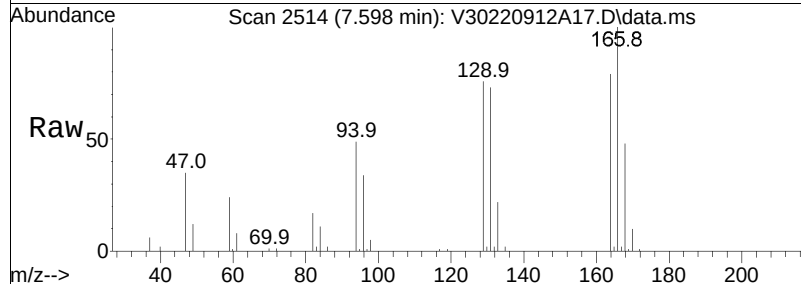
Tgt	Ion	Ratio	Lower	Upper
92	100			
91	160.3	139.8	209.6	

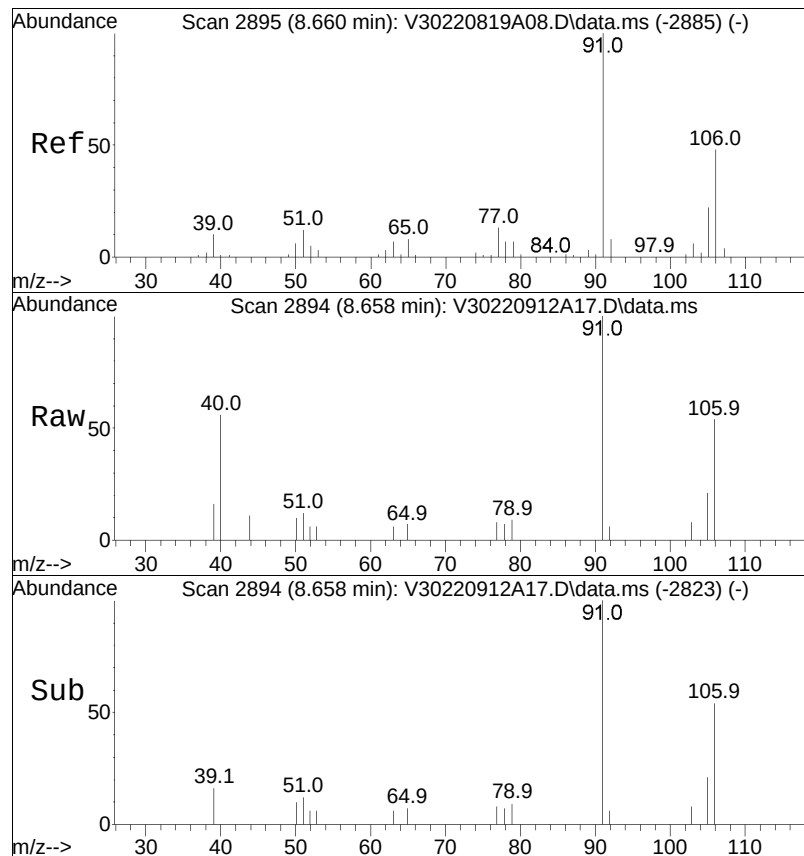




#63
 Tetrachloroethene
 Concen: 38.13 ug/L
 RT: 7.598 min Scan# 2514
 Delta R.T. -0.003 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

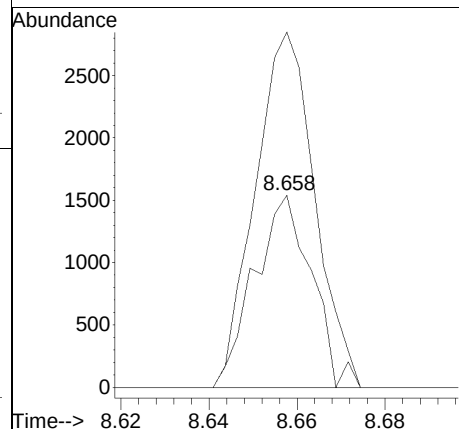
Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.8	28.2	68.2
94	49.9	38.4	78.4

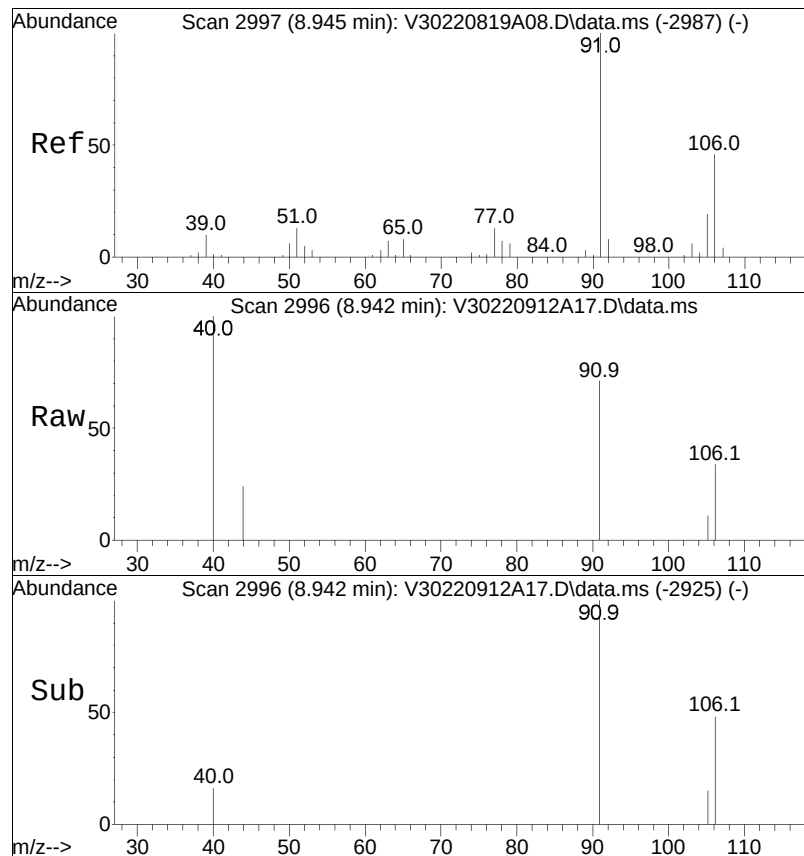




#76
 p/m Xylene
 Concen: 0.23 ug/L
 RT: 8.658 min Scan# 2894
 Delta R.T. -0.002 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

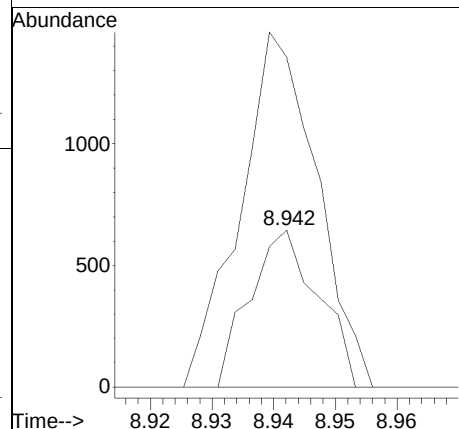
Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.0	166.4	249.6

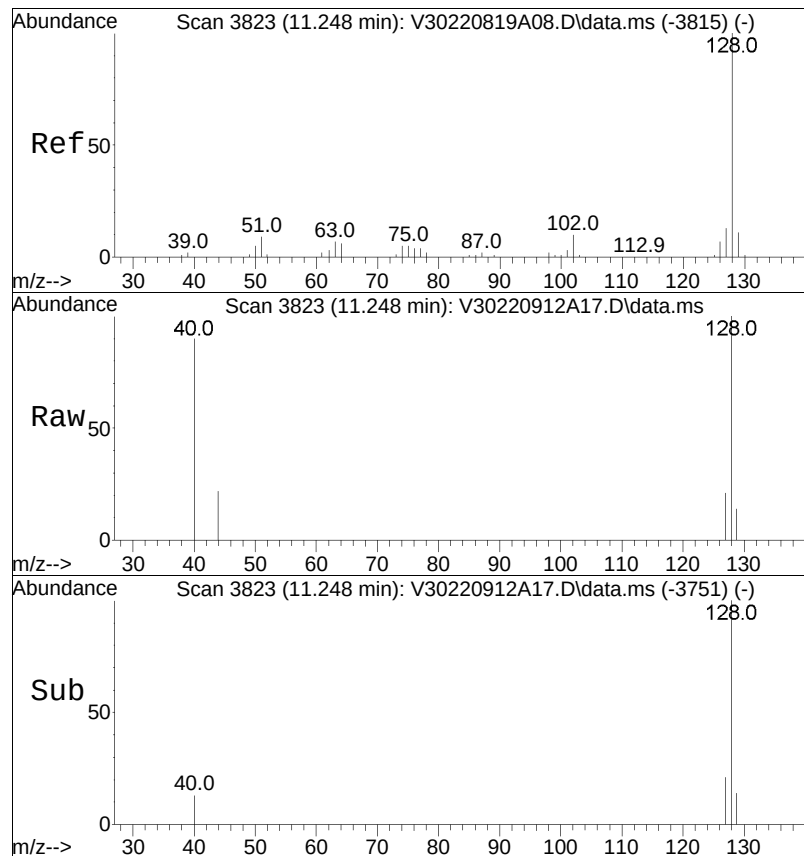




#77
 o Xylene
 Concen: 0.09 ug/L
 RT: 8.942 min Scan# 2996
 Delta R.T. -0.003 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

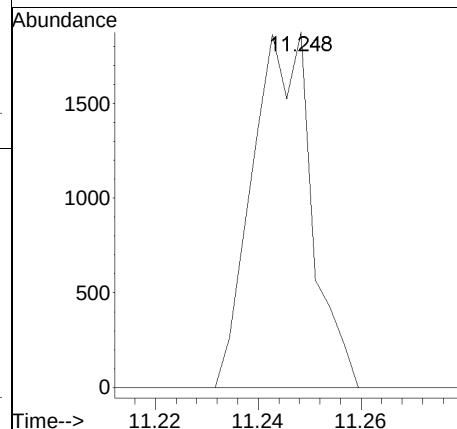
Tgt Ion	Ratio	Lower	Upper
106	100		
91	252.5	182.6	273.8





#110
 Naphthalene
 Concen: 0.17 ug/L
 RT: 11.248 min Scan# 3823
 Delta R.T. 0.000 min
 Lab File: V30220912A17.D
 Acq: 12 Sep 2022 12:07 pm

Tgt Ion:128 Resp: 1497



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A17.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 12:07 pm Instrument : VOA130
Sample : 12248605-03,31,10,10,,a,prQuant Date : 9/13/2022 12:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A18.D
 Acq On : 12 Sep 2022 12:26 pm
 Operator : VOA130:MV
 Sample : 12248605-04,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:41:02 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	146461	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery =	81.00%		
59) Chlorobenzene-d5	8.496	117	113968	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery =	87.64%		
79) 1,4-Dichlorobenzene-d4	9.985	152	58702	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery =	87.69%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.486	113	42504	10.989	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.89%		
43) 1,2-Dichloroethane-d4	5.135	65	42233	9.945	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.45%		
60) Toluene-d8	7.193	98	146669	9.908	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.08%		
83) 4-Bromofluorobenzene	9.316	95	54069	9.715	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.15%		
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		Qvalue
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	1.401	64	57	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.808	96	36	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.249	83	71099	12.030	ug/L	99
34) Carbon tetrachloride	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A18.D
 Acq On : 12 Sep 2022 12:26 pm
 Operator : VOA130:MV
 Sample : 12248605-04,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:41:02 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	4.653	43	33		N.D.	
40)	1,1-Dichloropropene	0.000		0		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
48)	Trichloroethene	5.676	95	78		N.D.	
50)	Dibromomethane	0.000		0		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	6.354	83	2742	0.619	ug/L #	97
57)	1,4-Dioxane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	7.244	92	1724	0.208	ug/L	85
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	7.601	166	5132	1.464	ug/L	94
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
67)	Ethyl methacrylate	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
70)	1,3-Dichloropropane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	8.499	43	88		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	8.546	91	774		N.D.	
75)	1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76)	p/m Xylene	8.657	106	1289	0.215	ug/L	97
77)	o Xylene	8.939	106	261		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
84)	Bromobenzene	0.000		0		N.D.	
85)	n-Propylbenzene	9.310	91	194		N.D.	
86)	1,4-Dichlorobutane	9.316	55	146		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88)	4-Ethyltoluene	9.475	105	32		N.D.	
89)	2-Chlorotoluene	9.310	91	194		N.D.	
90)	1,3,5-Trimethylbenzene	9.475	105	32		N.D.	
91)	1,2,3-Trichloropropane	0.000		0		N.D.	
92)	trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93)	4-Chlorotoluene	0.000		0		N.D.	
94)	tert-Butylbenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A18.D
 Acq On : 12 Sep 2022 12:26 pm
 Operator : VOA130:MV
 Sample : l2248605-04,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:41:02 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.767	105	64	N.D.		
98)	sec-Butylbenzene	9.767	105	64	N.D.		
99)	p-Isopropyltoluene	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
102)	p-Diethylbenzene	0.000		0	N.D.		
103)	n-Butylbenzene	9.982	91	144	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	11.245	128	28	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

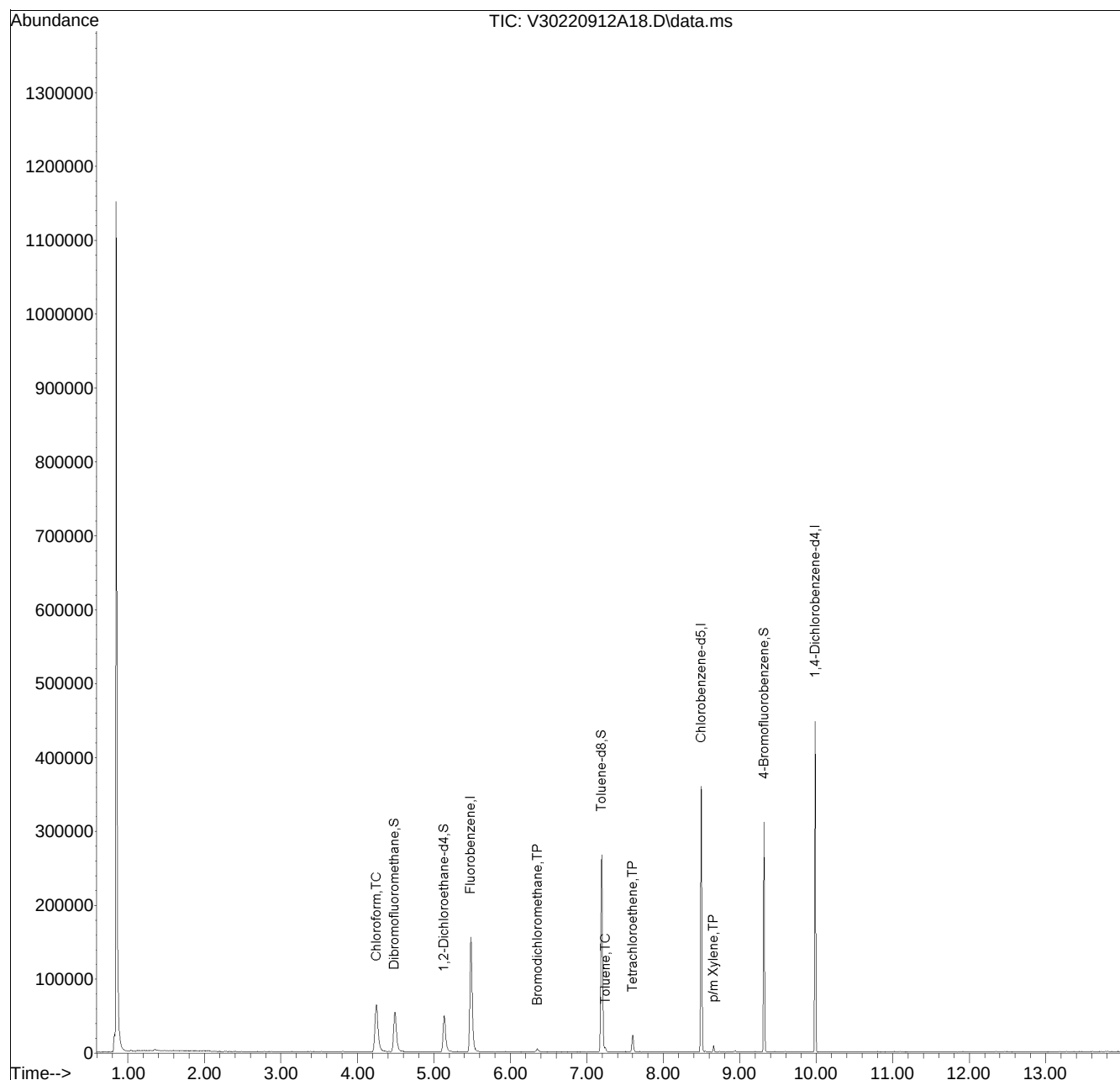
(#) = qualifier out of range (m) = manual integration (+) = signals summed

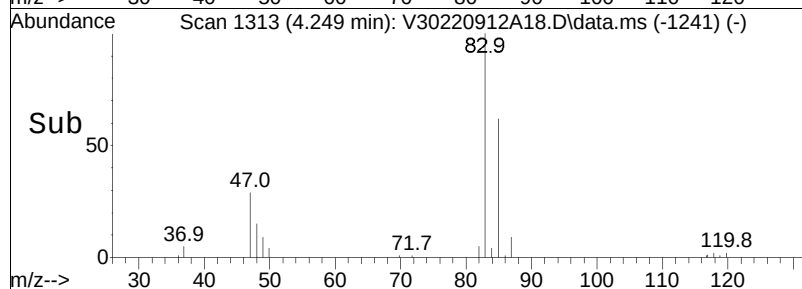
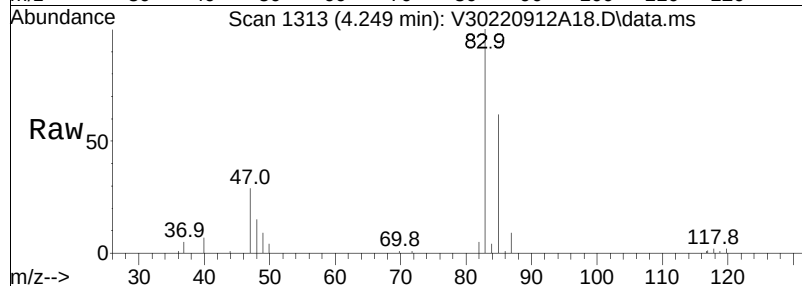
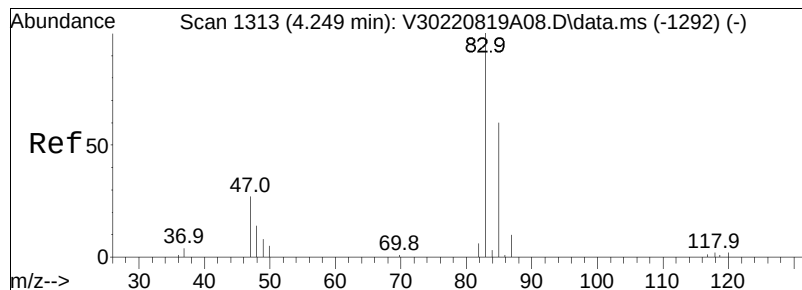
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A18.D
 Acq On : 12 Sep 2022 12:26 pm
 Operator : VOA130:MV
 Sample : 12248605-04,31,10,10,,a,pri
 Misc : WG1686411,ICAL19274
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 13 12:41:02 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

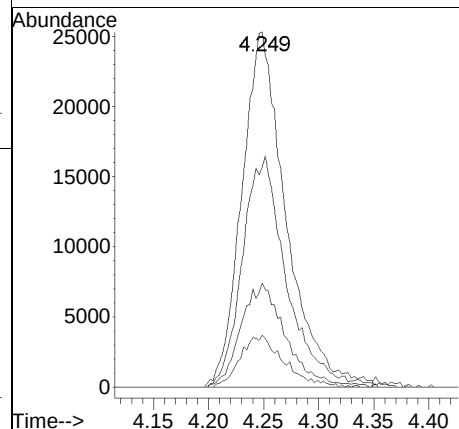
Sub List : 8260-NYTCL - Megamix plus Diox20912A\V30220912A01.D•

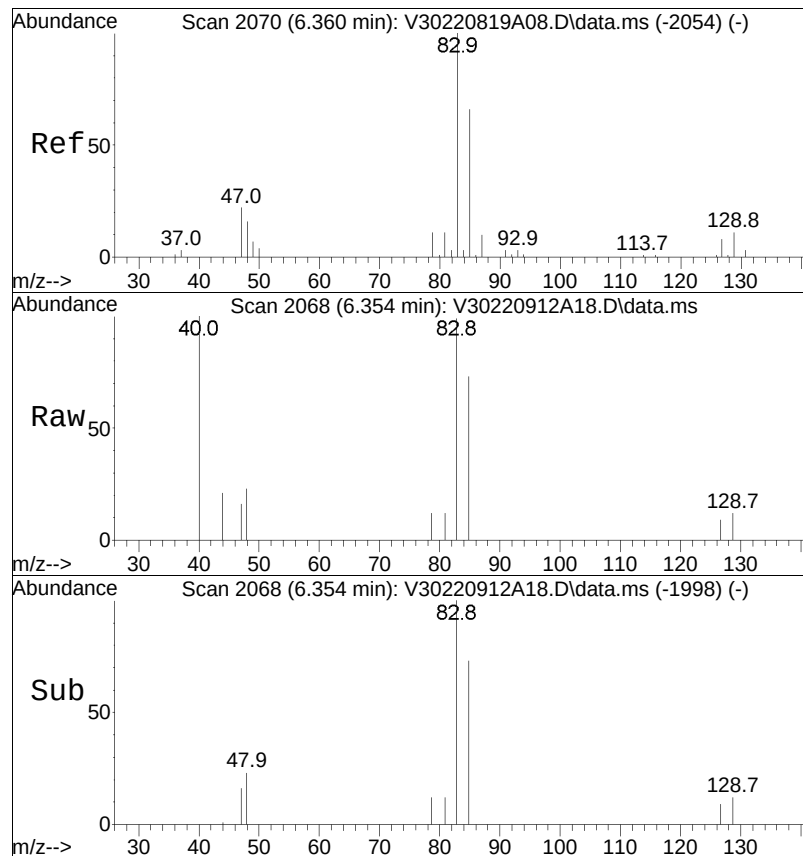




#32
 Chloroform
 Concen: 12.03 ug/L
 RT: 4.249 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: V30220912A18.D
 Acq: 12 Sep 2022 12:26 pm

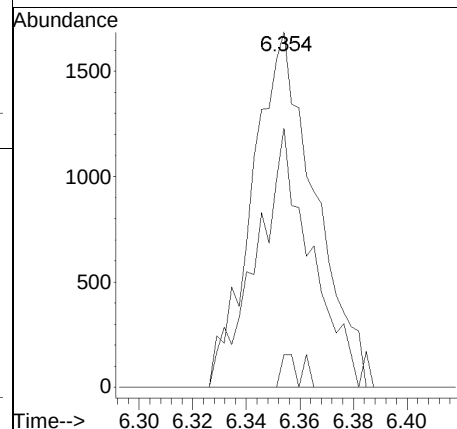
Tgt	Ion: 83	Resp:	71099
Ion	Ratio	Lower	Upper
83	100		
85	64.2	41.5	86.1
47	29.8	19.0	39.4
48	14.4	9.9	20.5

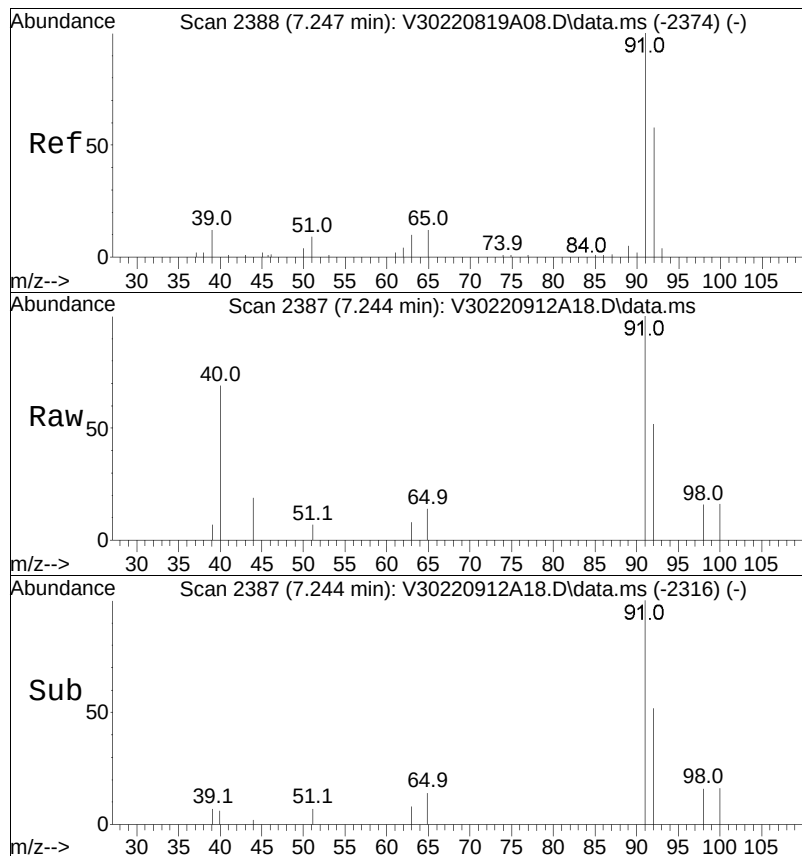




#54
 Bromodichloromethane
 Concen: 0.62 ug/L
 RT: 6.354 min Scan# 2068
 Delta R.T. -0.006 min
 Lab File: V30220912A18.D
 Acq: 12 Sep 2022 12:26 pm

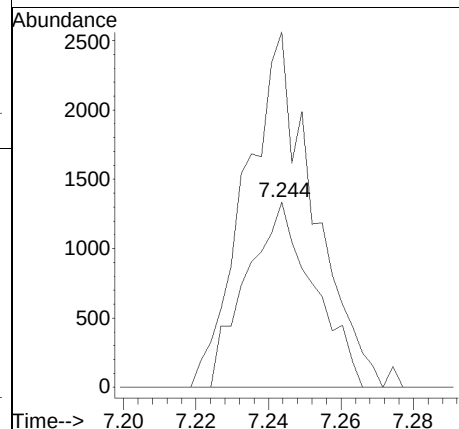
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.3	78.5
127	2.8	6.2	9.4

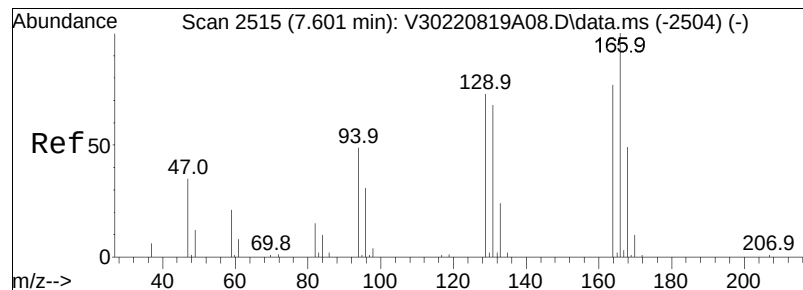




#61
 Toluene
 Concen: 0.21 ug/L
 RT: 7.244 min Scan# 2387
 Delta R.T. -0.003 min
 Lab File: V30220912A18.D
 Acq: 12 Sep 2022 12:26 pm

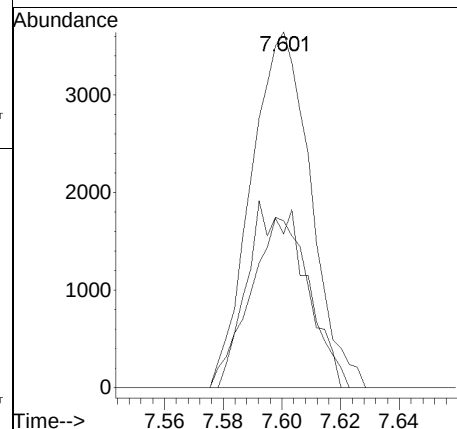
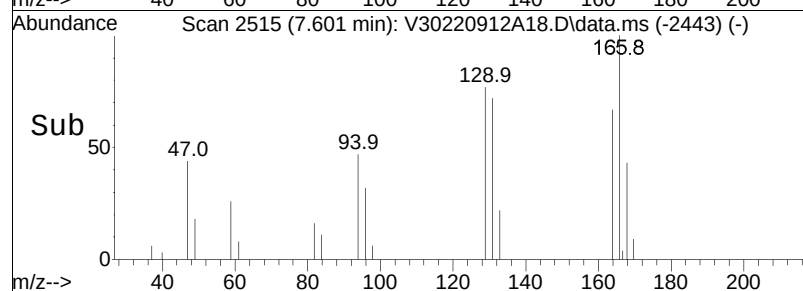
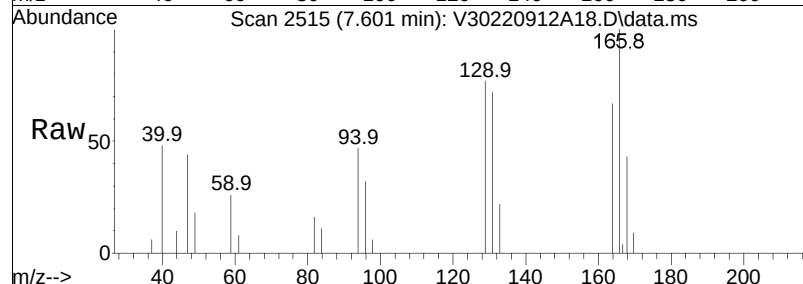
Tgt Ion	Ratio	Lower	Upper
92	100		
91	195.4	139.8	209.6

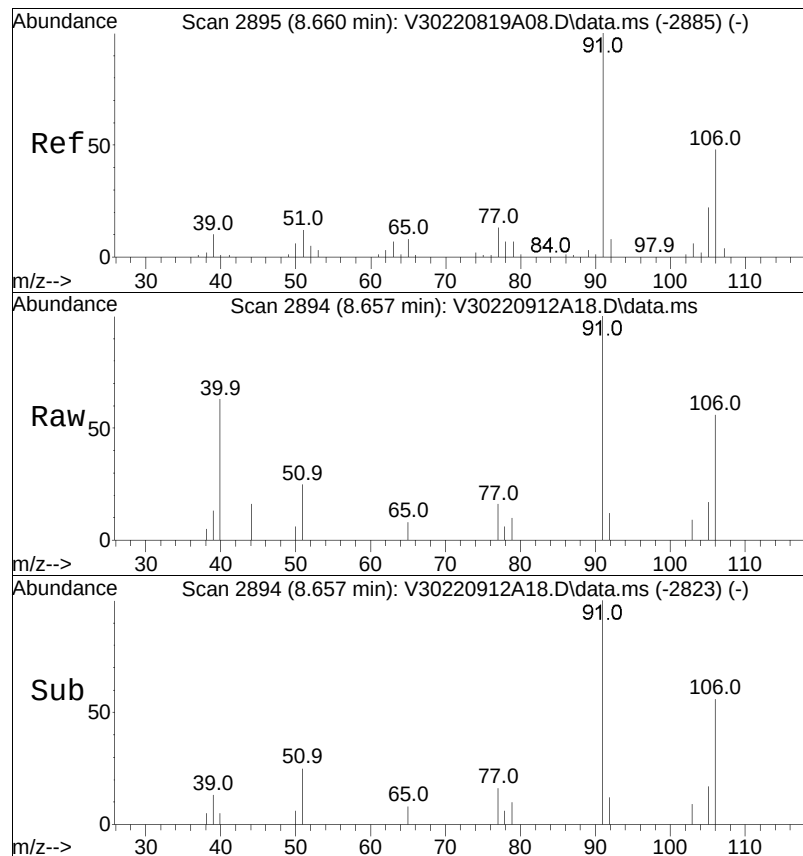




#63
Tetrachloroethene
Concen: 1.46 ug/L
RT: 7.601 min Scan# 2515
Delta R.T. -0.000 min
Lab File: V30220912A18.D
Acq: 12 Sep 2022 12:26 pm

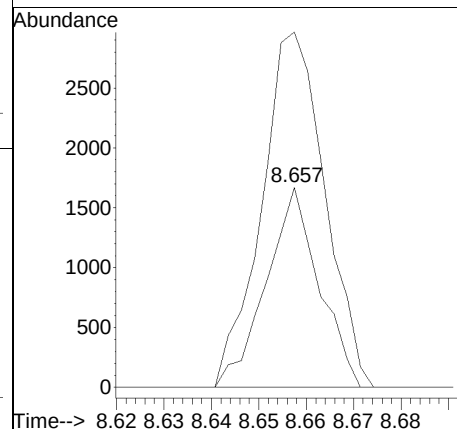
Tgt Ion:	166	Resp:	5132
Ion Ratio	Lower	Upper	
166	100		
168	46.7	28.2	68.2
94	51.4	38.4	78.4





#76
 p/m Xylene
 Concen: 0.22 ug/L
 RT: 8.657 min Scan# 2894
 Delta R.T. -0.003 min
 Lab File: V30220912A18.D
 Acq: 12 Sep 2022 12:26 pm

Tgt	Ion	Ratio	Lower	Upper
106	100			
91	213.4	166.4	249.6	



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A18.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 12:26 pm Instrument : VOA130
Sample : 12248605-04,31,10,10,,a,prQuant Date : 9/13/2022 12:03 pm

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Calibration dates : 08/19/22 14:16 08/19/22 17:12

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Ical Ref : ICAL19274

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.157	0.227	0.227	0.187	0.212	0.205	0.210	0.204	12.20
3) TP Chloromethane		0.209	0.248	0.252	0.224	0.237	0.235	0.238	0.235	6.12
4) TC Vinyl chloride	0.217	0.210	0.258	0.255	0.218	0.238	0.231	0.236	0.233	7.45
5) TP Bromomethane		0.177	0.183	0.167	0.143	0.148	0.149	0.155	0.160	9.61
6) TP Chloroethane		0.135	0.147	0.155	0.140	0.149	0.148	0.150	0.146	4.50
7) TP Trichlorofluor		0.345	0.369	0.390	0.328	0.365	0.353	0.358	0.358	5.47
8) TP Ethyl ether		0.068	0.082	0.088	0.086	0.090	0.089	0.089	0.084	9.28
10) TC 1,1-Dichloroet		0.171	0.204	0.207	0.176	0.192	0.190	0.192	0.190	6.89
11) TP Carbon disulfide		0.434	0.505	0.503	0.447	0.476	0.468	0.474	0.472	5.57
12) TP Freon-113		0.177	0.220	0.237	0.195	0.221	0.212	0.218	0.211	9.22
13) TP Iodomethane		0.162	0.185	0.212	0.220	0.238	0.235	0.235	0.212	13.64
14) TP Acrolein			0.019	0.021	0.020	0.021	0.022	0.022	0.021	5.72
15) TP Methylene chlo		0.218	0.237	0.217	0.203	0.207	0.205	0.208	0.213	5.63
17) TP Acetone			0.045	0.032	0.030	0.031	0.030	0.030	0.033	17.88
18) TP trans-1,2-Dich		0.183	0.224	0.222	0.196	0.205	0.203	0.208	0.206	6.99
19) TP Methyl acetate			0.083	0.086	0.081	0.088	0.086	0.089	0.086	3.42
20) TP Methyl tert butyl ether		0.322	0.372	0.395	0.404	0.436	0.433	0.446	0.401	10.89
21) TP tert-Butyl alc			0.005	0.006	0.006	0.007	0.007	0.007	0.006#	17.17
22) TP Diisopropyl ether		0.620	0.656	0.686	0.693	0.743	0.740	0.750	0.698	7.05
23) TP 1,1-Dichloroet		0.392	0.439	0.436	0.395	0.406	0.403	0.409	0.412	4.51
24) TP Halothane		0.133	0.160	0.170	0.154	0.166	0.162	0.166	0.159	7.79
25) TP Acrylonitrile			0.042	0.043	0.043	0.045	0.043	0.045	0.043	2.38
26) TP Ethyl tert-but		0.426	0.486	0.524	0.552	0.614	0.627	0.649	0.554	14.72
27) TP Vinyl acetate			0.285	0.324	0.351	0.404	0.413	0.430	0.368	15.53
28) TP cis-1,2-Dichlo		0.243	0.252	0.243	0.223	0.232	0.230	0.234	0.237	4.22
29) TP 2,2-Dichloropr		0.199	0.246	0.263	0.258	0.303	0.307	0.323	0.271	15.79
30) TP Bromochloromet		0.102	0.110	0.105	0.100	0.103	0.101	0.100	0.103	3.25
31) TP Cyclohexane		0.339	0.409	0.444	0.383	0.428	0.419	0.435	0.408	8.89
32) TC Chloroform		0.386	0.423	0.425	0.390	0.399	0.398	0.403	0.404	3.77
33) TP Ethyl acetate			0.105	0.109	0.116	0.126	0.124	0.127	0.118	7.92
34) TP Carbon tetrachloride	0.227	0.216	0.281	0.313	0.284	0.324	0.318	0.330	0.287	15.28
35) TP Tetrahydrofuran			0.034	0.033	0.031	0.031	0.031	0.032	0.032	4.49
36) S Dibromofluoromethane	0.277	0.278	0.271	0.262	0.256	0.256	0.257	0.256	0.264	3.68
37) TP 1,1,1-Trichlor		0.280	0.310	0.367	0.326	0.355	0.350	0.359	0.335	9.45
39) TP 2-Butanone			0.051	0.047	0.048	0.052	0.051	0.053	0.050	5.08



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Calibration dates : 08/19/22 14:16 08/19/22 17:12

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Ical Ref : ICAL19274

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr		0.229	0.276	0.311	0.277	0.302	0.297	0.304	0.285	9.95
41) TP Benzene	0.880	0.749	0.859	0.896	0.823	0.863	0.853	0.859	0.848	5.32
42) TP Tertiary-Amyl Methyl Ether		0.350	0.376	0.415	0.443	0.500	0.505	0.524	0.445	15.23
43) S 1,2-Dichloroethane-d4	0.290	0.290	0.287	0.289	0.289	0.293	0.292	0.290	0.290	0.68
44) TP 1,2-Dichloroet		0.290	0.302	0.298	0.290	0.300	0.298	0.300	0.297	1.66
47) TP Methyl cyclohe		0.301	0.372	0.409	0.363	0.416	0.405	0.415	0.383	10.89
48) TP Trichloroethene	0.206	0.178	0.222	0.243	0.219	0.232	0.230	0.235	0.221	9.27
50) TP Dibromomethane		0.111	0.120	0.118	0.114	0.121	0.118	0.121	0.118	3.38
51) TC 1,2-Dichloropr		0.191	0.221	0.230	0.223	0.233	0.232	0.236	0.224	6.98
53) TP 2-Chloroethyl		0.087	0.095	0.106	0.108	0.118	0.118	0.120	0.108	11.83
54) TP Bromodichlorom		0.281	0.299	0.303	0.297	0.312	0.310	0.315	0.303	3.91
57) TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.21
58) TP cis-1,3-Dichloropropene	0.206	0.240	0.263	0.306	0.320	0.352	0.356	0.364	0.301	19.55
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.290	1.293	1.286	1.312	1.299	1.312	1.302	1.297	1.299	0.73
61) TC Toluene		0.657	0.735	0.768	0.708	0.745	0.729	0.741	0.726	4.89
62) TP 4-Methyl-2-pen		0.058	0.056	0.062	0.063	0.071	0.069	0.071	0.064	9.34
63) TP Tetrachloroethene		0.262	0.309	0.333	0.294	0.322	0.314	0.320	0.308	7.63
65) TP trans-1,3-Dichloropropene	0.193	0.217	0.238	0.311	0.347	0.399			*Q	0.9995
67) TP Ethyl methacry		0.197	0.198	0.224	0.244	0.276	0.270	0.280	0.241	14.85
68) TP 1,1,2-Trichlor		0.160	0.165	0.178	0.179	0.187	0.182	0.185	0.177#	5.81
69) TP Chlorodibromom		0.219	0.228	0.255	0.265	0.286	0.280	0.290	0.261	10.77
70) TP 1,3-Dichloropr		0.330	0.349	0.379	0.377	0.395	0.385	0.393	0.373	6.52
71) TP 1,2-Dibromoethane		0.166	0.178	0.202	0.205	0.217	0.212	0.216	0.199#	9.91
72) TP 2-Hexanone		0.130	0.103	0.103	0.105	0.117	0.113	0.116	0.112	8.65
73) TP Chlorobenzene		0.781	0.827	0.832	0.778	0.808	0.790	0.795	0.802	2.70
74) TC Ethylbenzene	1.496	1.312	1.431	1.518	1.376	1.439	1.382	1.357	1.414	4.96
75) TP 1,1,1,2-Tetrac		0.218	0.223	0.265	0.274	0.303	0.296	0.297	0.268	13.08
76) TP p/m Xylene	0.527	0.458	0.538	0.573	0.525	0.544	0.522	0.520	0.526	6.17
77) TP o Xylene		0.484	0.516	0.551	0.509	0.527	0.506	0.500	0.513	4.14
78) TP Styrene	0.762	0.773	0.866	0.903	0.859	0.865	0.822	0.780	0.829	6.29
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform		0.258	0.244	0.273	0.298	0.323	0.323	0.329	0.293	11.78
82) TP Isopropylbenzene		2.393	2.765	2.911	2.657	2.730	2.649	2.625	2.676	5.90
83) S 4-Bromofluorobenzene	0.953	0.951	0.959	0.952	0.946	0.936	0.937	0.951	0.948	0.84
84) TP Bromobenzene		0.719	0.687	0.662	0.645	0.645	0.638	0.654	0.664	4.35



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Calibration dates : 08/19/22 14:16 08/19/22 17:12

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Ical Ref : ICAL19274

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene	2.898	3.338	3.546	3.258	3.314	3.177	3.063	3.228		6.45
86) TP 1,4-Dichlorobu	0.753	0.692	0.721	0.747	0.772	0.757	0.775	0.745		3.98
87) TP 1,1,2,2-Tetrac	0.561	0.450	0.465	0.469	0.483	0.477	0.488	0.485		7.41
88) TP 4-Ethyltoluene	2.381	2.667	2.814	2.668	2.713	2.637	2.599	2.640		5.04
89) TP 2-Chlorotoluene	2.158	2.304	2.399	2.250	2.259	2.209	2.210	2.256		3.47
90) TP 1,3,5-Trimethy	2.087	2.296	2.424	2.306	2.322	2.277	2.267	2.283		4.42
91) TP 1,2,3-Trichlor	0.441	0.361	0.372	0.380	0.392	0.385	0.395	0.390		6.59
92) TP trans-1,4-Dich	0.109	0.124	0.125	0.137	0.149	0.150	0.157	0.136		12.90
93) TP 4-Chlorotoluene	2.004	2.063	2.097	2.011	2.018	1.982	1.991	2.024		2.05
94) TP tert-Butylbenzene	1.786	2.033	2.120	1.955	1.987	1.950	1.957	1.970		5.14
97) TP 1,2,4-Trimethy	2.071	2.224	2.361	2.266	2.301	2.249	2.242	2.245		3.97
98) TP sec-Butylbenzene	2.598	3.064	3.252	2.959	3.023	2.919	2.840	2.951		6.87
99) TP p-Isopropyltol	2.268	2.508	2.745	2.526	2.608	2.536	2.487	2.525		5.68
100) TP 1,3-Dichlorobe	1.310	1.282	1.326	1.249	1.265	1.234	1.252	1.274		2.67
101) TP 1,4-Dichlorobe	1.337	1.314	1.306	1.257	1.253	1.244	1.257	1.281		2.87
102) TP p-Diethylbenzene	1.339	1.535	1.600	1.511	1.581	1.554	1.587	1.530		5.86
103) TP n-Butylbenzene	2.011	2.353	2.558	2.359	2.435	2.364	2.339	2.345		7.09
104) TP 1,2-Dichlorobe	1.349	1.196	1.199	1.154	1.165	1.135	1.162	1.194		6.03
105) TP 1,2,4,5-Tetram	2.173	2.250	2.380	2.339	2.429	2.402	2.390	2.338		3.98
106) TP 1,2-Dibromo-3-	0.045	0.049	0.060	0.065	0.071	0.070	0.075	0.062		18.50
107) TP 1,3,5-Trichlor	1.015	1.036	1.046	0.995	1.007	0.995	1.025	1.017		1.95
108) TP Hexachlorobuta	0.442	0.456	0.472	0.436	0.467	0.473	0.480	0.461		3.60
109) TP 1,2,4-Trichlor	0.964	0.855	0.881	0.862	0.875	0.860	0.891	0.884		4.22
110) TP Naphthalene	1.779	1.512	1.564	1.573	1.568	1.552	1.578	1.590		5.44
111) TP 1,2,3-Trichlor	0.837	0.753	0.789	0.766	0.775	0.773	0.795	0.784		3.48

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Method File : VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD

1) I	Fluorobenzene	-----ISTD-----									
2) TP	Dichlorodifluo...	0.157	0.227	0.227	0.187	0.212	0.205	0.210	0.204	12.20	
3) TP	Chloromethane	0.209	0.248	0.252	0.224	0.237	0.235	0.238	0.235	6.12	
4) TC	Vinyl chloride	0.217	0.210	0.258	0.255	0.218	0.238	0.231	0.236	0.233	7.45
5) TP	Bromomethane	0.177	0.183	0.167	0.143	0.148	0.149	0.155	0.160	9.61	
6) TP	Chloroethane	0.135	0.147	0.155	0.140	0.149	0.148	0.150	0.146	4.50	
7) TP	Trichlorofluor...	0.345	0.369	0.390	0.328	0.365	0.353	0.358	0.358	5.47	
8) TP	Ethyl ether	0.068	0.082	0.088	0.086	0.090	0.089	0.089	0.084	9.28	
10) TC	1,1-Dichloroet...	0.171	0.204	0.207	0.176	0.192	0.190	0.192	0.190	6.89	
11) TP	Carbon disulfide	0.434	0.505	0.503	0.447	0.476	0.468	0.474	0.472	5.57	
12) TP	Freon-113	0.177	0.220	0.237	0.195	0.221	0.212	0.218	0.211	9.22	
13) TP	Iodomethane	0.162	0.185	0.212	0.220	0.238	0.235	0.235	0.212	13.64	
14) TP	Acrolein		0.019	0.021	0.020	0.021	0.022	0.022	0.021	5.72	
15) TP	Methylene chlo...	0.218	0.237	0.217	0.203	0.207	0.205	0.208	0.213	5.63	
17) TP	Acetone		0.045	0.032	0.030	0.031	0.030	0.030	0.033	17.88	
18) TP	trans-1,2-Dich...	0.183	0.224	0.222	0.196	0.205	0.203	0.208	0.206	6.99	
19) TP	Methyl acetate		0.083	0.086	0.081	0.088	0.086	0.089	0.086	3.42	
20) TP	Methyl tert-bu...	0.322	0.372	0.395	0.404	0.436	0.433	0.446	0.401	10.89	
21) TP	tert-Butyl alc...		0.005	0.006	0.006	0.007	0.007	0.007	0.006#	17.17	
22) TP	Diisopropyl ether	0.620	0.656	0.686	0.693	0.743	0.740	0.750	0.698	7.05	
23) TP	1,1-Dichloroet...	0.392	0.439	0.436	0.395	0.406	0.403	0.409	0.412	4.51	
24) TP	Halothane	0.133	0.160	0.170	0.154	0.166	0.162	0.166	0.159	7.79	
25) TP	Acrylonitrile		0.042	0.043	0.043	0.045	0.043	0.045	0.043	2.38	
26) TP	Ethyl tert-but...	0.426	0.486	0.524	0.552	0.614	0.627	0.649	0.554	14.72	
27) TP	Vinyl acetate		0.285	0.324	0.351	0.404	0.413	0.430	0.368	15.53	
28) TP	cis-1,2-Dichlo...	0.243	0.252	0.243	0.223	0.232	0.230	0.234	0.237	4.22	
29) TP	2,2-Dichloropr...	0.199	0.246	0.263	0.258	0.303	0.307	0.323	0.271	15.79	
30) TP	Bromochloromet...	0.102	0.110	0.105	0.100	0.103	0.101	0.100	0.103	3.25	
31) TP	Cyclohexane	0.339	0.409	0.444	0.383	0.428	0.419	0.435	0.408	8.89	
32) TC	Chloroform	0.386	0.423	0.425	0.390	0.399	0.398	0.403	0.404	3.77	
33) TP	Ethyl acetate		0.105	0.109	0.116	0.126	0.124	0.127	0.118	7.92	

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Method File : VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP Carbon tetrach...	0.227	0.216	0.281	0.313	0.284	0.324	0.318	0.330	0.287	15.28
35)	TP Tetrahydrofuran		0.034	0.033	0.031	0.031	0.031	0.032	0.032		4.49
36)	S Dibromofluorom...	0.277	0.278	0.271	0.262	0.256	0.256	0.257	0.256	0.264	3.68
37)	TP 1,1,1-Trichlor...		0.280	0.310	0.367	0.326	0.355	0.350	0.359	0.335	9.45
39)	TP 2-Butanone		0.051	0.047	0.048	0.052	0.051	0.053	0.050		5.08
40)	TP 1,1-Dichloropr...		0.229	0.276	0.311	0.277	0.302	0.297	0.304	0.285	9.95
41)	TP Benzene	0.880	0.749	0.859	0.896	0.823	0.863	0.853	0.859	0.848	5.32
42)	TP tert-Amyl meth...		0.350	0.376	0.415	0.443	0.500	0.505	0.524	0.445	15.23
43)	S 1,2-Dichloroet...	0.290	0.290	0.287	0.289	0.289	0.293	0.292	0.290	0.290	0.68
44)	TP 1,2-Dichloroet...		0.290	0.302	0.298	0.290	0.300	0.298	0.300	0.297	1.66
47)	TP Methyl cyclohe...		0.301	0.372	0.409	0.363	0.416	0.405	0.415	0.383	10.89
48)	TP Trichloroethene	0.206	0.178	0.222	0.243	0.219	0.232	0.230	0.235	0.221	9.27
50)	TP Dibromomethane		0.111	0.120	0.118	0.114	0.121	0.118	0.121	0.118	3.38
51)	TC 1,2-Dichloropr...		0.191	0.221	0.230	0.223	0.233	0.232	0.236	0.224	6.98
53)	TP 2-Chloroethyl ...		0.087	0.095	0.106	0.108	0.118	0.118	0.120	0.108	11.83
54)	TP Bromodichlorom...		0.281	0.299	0.303	0.297	0.312	0.310	0.315	0.303	3.91
57)	TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.21
58)	TP cis-1,3-Dichlo...	0.206	0.240	0.263	0.306	0.320	0.352	0.356	0.364	0.301	19.55
59)	I Chlorobenzene-d5	-----ISTD-----									
60)	S Toluene-d8	1.290	1.293	1.286	1.312	1.299	1.312	1.302	1.297	1.299	0.73
61)	TC Toluene		0.657	0.735	0.768	0.708	0.745	0.729	0.741	0.726	4.89
62)	TP 4-Methyl-2-pen...		0.058	0.056	0.062	0.063	0.071	0.069	0.071	0.064	9.34
63)	TP Tetrachloroethene		0.262	0.309	0.333	0.294	0.322	0.314	0.320	0.308	7.63
65)	TP trans-1,3-Dich...	0.193	0.217	0.238	0.311	0.347	0.399			*Q	0.9995
67)	TP Ethyl methacry...		0.197	0.198	0.224	0.244	0.276	0.270	0.280	0.241	14.85
68)	TP 1,1,2-Trichlor...		0.160	0.165	0.178	0.179	0.187	0.182	0.185	0.177#	5.81
69)	TP Chlorodibromom...		0.219	0.228	0.255	0.265	0.286	0.280	0.290	0.261	10.77
70)	TP 1,3-Dichloropr...		0.330	0.349	0.379	0.377	0.395	0.385	0.393	0.373	6.52
71)	TP 1,2-Dibromoethane		0.166	0.178	0.202	0.205	0.217	0.212	0.216	0.199#	9.91
72)	TP 2-Hexanone		0.130	0.103	0.103	0.105	0.117	0.113	0.116	0.112	8.65
73)	TP Chlorobenzene		0.781	0.827	0.832	0.778	0.808	0.790	0.795	0.802	2.70

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Method File : VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC Ethylbenzene	1.496	1.312	1.431	1.518	1.376	1.439	1.382	1.357	1.414	4.96
75)	TP 1,1,1,2-Tetrac...	0.218	0.223	0.265	0.274	0.303	0.296	0.297	0.268		13.08
76)	TP p/m Xylene	0.527	0.458	0.538	0.573	0.525	0.544	0.522	0.520	0.526	6.17
77)	TP o Xylene	0.484	0.516	0.551	0.509	0.527	0.506	0.500	0.513		4.14
78)	TP Styrene	0.762	0.773	0.866	0.903	0.859	0.865	0.822	0.780	0.829	6.29
79)	I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80)	TP Bromoform	0.258	0.244	0.273	0.298	0.323	0.323	0.329	0.293		11.78
82)	TP Isopropylbenzene	2.393	2.765	2.911	2.657	2.730	2.649	2.625	2.676		5.90
83)	S 4-Bromofluorob...	0.953	0.951	0.959	0.952	0.946	0.936	0.937	0.951	0.948	0.84
84)	TP Bromobenzene	0.719	0.687	0.662	0.645	0.645	0.638	0.654	0.664		4.35
85)	TP n-Propylbenzene	2.898	3.338	3.546	3.258	3.314	3.177	3.063	3.228		6.45
86)	TP 1,4-Dichlorobu...	0.753	0.692	0.721	0.747	0.772	0.757	0.775	0.745		3.98
87)	TP 1,1,2,2-Tetrac...	0.561	0.450	0.465	0.469	0.483	0.477	0.488	0.485		7.41
88)	TP 4-Ethyltoluene	2.381	2.667	2.814	2.668	2.713	2.637	2.599	2.640		5.04
89)	TP 2-Chlorotoluene	2.158	2.304	2.399	2.250	2.259	2.209	2.210	2.256		3.47
90)	TP 1,3,5-Trimethy...	2.087	2.296	2.424	2.306	2.322	2.277	2.267	2.283		4.42
91)	TP 1,2,3-Trichlor...	0.441	0.361	0.372	0.380	0.392	0.385	0.395	0.390		6.59
92)	TP trans-1,4-Dich...	0.109	0.124	0.125	0.137	0.149	0.150	0.157	0.136		12.90
93)	TP 4-Chlorotoluene	2.004	2.063	2.097	2.011	2.018	1.982	1.991	2.024		2.05
94)	TP tert-Butylbenzene	1.786	2.033	2.120	1.955	1.987	1.950	1.957	1.970		5.14
97)	TP 1,2,4-Trimethy...	2.071	2.224	2.361	2.266	2.301	2.249	2.242	2.245		3.97
98)	TP sec-Butylbenzene	2.598	3.064	3.252	2.959	3.023	2.919	2.840	2.951		6.87
99)	TP p-Isopropyltol...	2.268	2.508	2.745	2.526	2.608	2.536	2.487	2.525		5.68
100)	TP 1,3-Dichlorobe...	1.310	1.282	1.326	1.249	1.265	1.234	1.252	1.274		2.67
101)	TP 1,4-Dichlorobe...	1.337	1.314	1.306	1.257	1.253	1.244	1.257	1.281		2.87
102)	TP p-Diethylbenzene	1.339	1.535	1.600	1.511	1.581	1.554	1.587	1.530		5.86
103)	TP n-Butylbenzene	2.011	2.353	2.558	2.359	2.435	2.364	2.339	2.345		7.09
104)	TP 1,2-Dichlorobe...	1.349	1.196	1.199	1.154	1.165	1.135	1.162	1.194		6.03
105)	TP 1,2,4,5-Tetram...	2.173	2.250	2.380	2.339	2.429	2.402	2.390	2.338		3.98
106)	TP 1,2-Dibromo-3-...	0.045	0.049	0.060	0.065	0.071	0.070	0.075	0.062		18.50
107)	TP 1,3,5-Trichlor...	1.015	1.036	1.046	0.995	1.007	0.995	1.025	1.017		1.95

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\220819AICAL\
Method File : VOA130_220819A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Aug 22 13:44:43 2022
Response Via : Initial Calibration

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.442	0.456	0.472	0.436	0.467	0.473	0.480	0.461	3.60	
109)	TP 1,2,4-Trichlor...	0.964	0.855	0.881	0.862	0.875	0.860	0.891	0.884	4.22	
110)	TP Naphthalene	1.779	1.512	1.564	1.573	1.568	1.552	1.578	1.590	5.44	
111)	TP 1,2,3-Trichlor...	0.837	0.753	0.789	0.766	0.775	0.773	0.795	0.784	3.48	

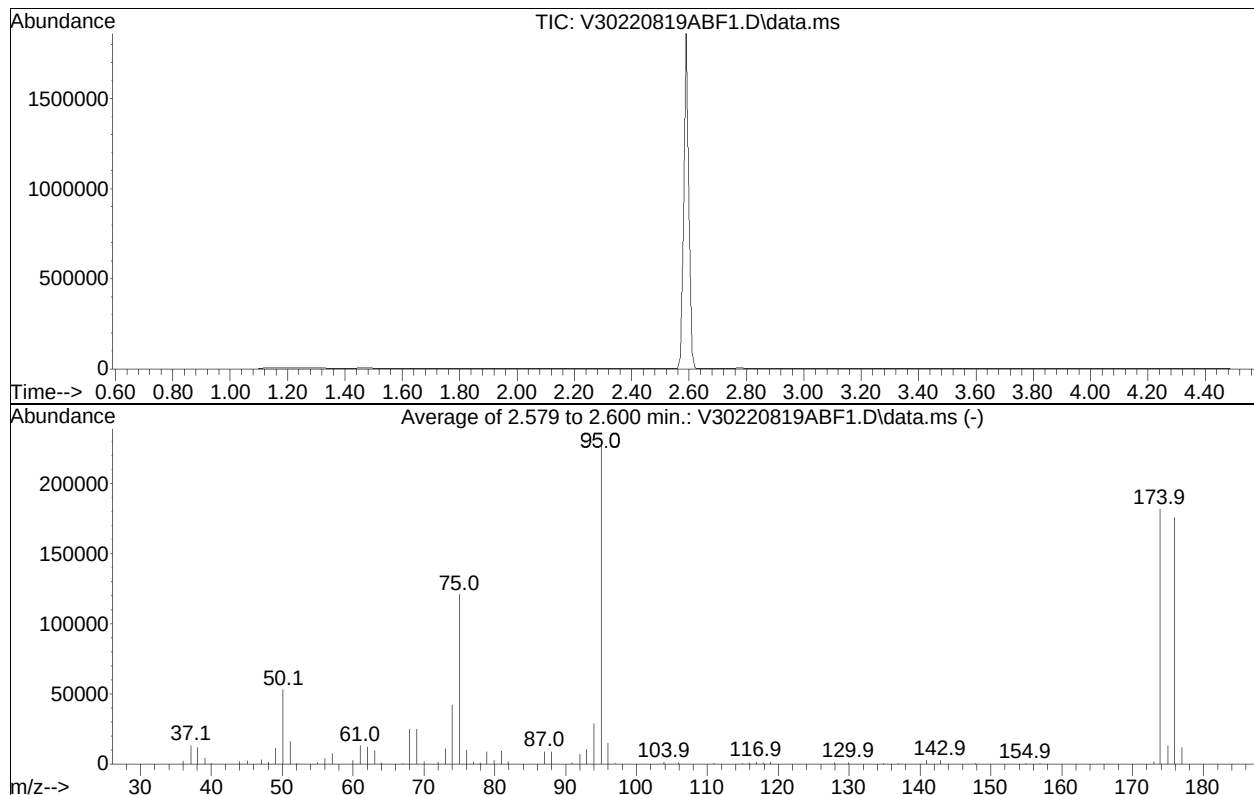
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819ABF1.D
 Acq On : 19 Aug 2022 01:23 pm
 Operator : VOA130:PD
 Sample : WG1678209-1
 Misc : WG1678209
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022



AutoFind: Scans 147, 148, 149; Background Corrected with Scan 143

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	52912	PASS
75	95	30	60	53.1	120952	PASS
95	95	100	100	100.0	227947	PASS
96	95	5	9	6.6	15127	PASS
173	174	0.00	2	0.9	1668	PASS
174	95	50	100	79.8	181949	PASS
175	174	5	9	7.3	13265	PASS
176	174	95	101	96.7	175867	PASS
177	176	5	9	6.6	11660	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A03.D
 Acq On : 19 Aug 2022 02:16 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.19PPB
 Misc : WG1678209
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 14:44:11 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 14:44:05 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-L11 - Level 11 for 8260-LRR product

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

Internal Standards						
1) Fluorobenzene	5.487	96	253169	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	94.49%	
59) Chlorobenzene-d5	8.501	117	190278	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	96.95%	
79) 1,4-Dichlorobenzene-d4	9.988	152	98085	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	96.57%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.491	113	70060	10.479	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	104.79%	
43) 1,2-Dichloroethane-d4	5.138	65	73331	9.990	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.90%	
60) Toluene-d8	7.199	98	245497	9.933	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.33%	
83) 4-Bromofluorobenzene	9.321	95	93477	10.052	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.52%	
Target Compounds						
						Qvalue
4) Vinyl chloride	1.109	62	1044	0.177	ug/L	82
34) Carbon tetrachloride	4.385	117	1093M1	0.151	ug/L	
41) Benzene	4.960	78	4231	0.197	ug/L #	55
48) Trichloroethene	5.682	95	989	0.177	ug/L #	79
58) cis-1,3-Dichloropropene	7.015	75	989	0.130	ug/L #	75
65) trans-1,3-Dichloropropene	7.676	75	697	0.234	ug/L #	74
74) Ethylbenzene	8.554	91	5408	0.201	ug/L	98
76) p/m Xylene	8.660	106	3813	0.381	ug/L	100
78) Styrene	8.984	104	5511	0.349	ug/L	92

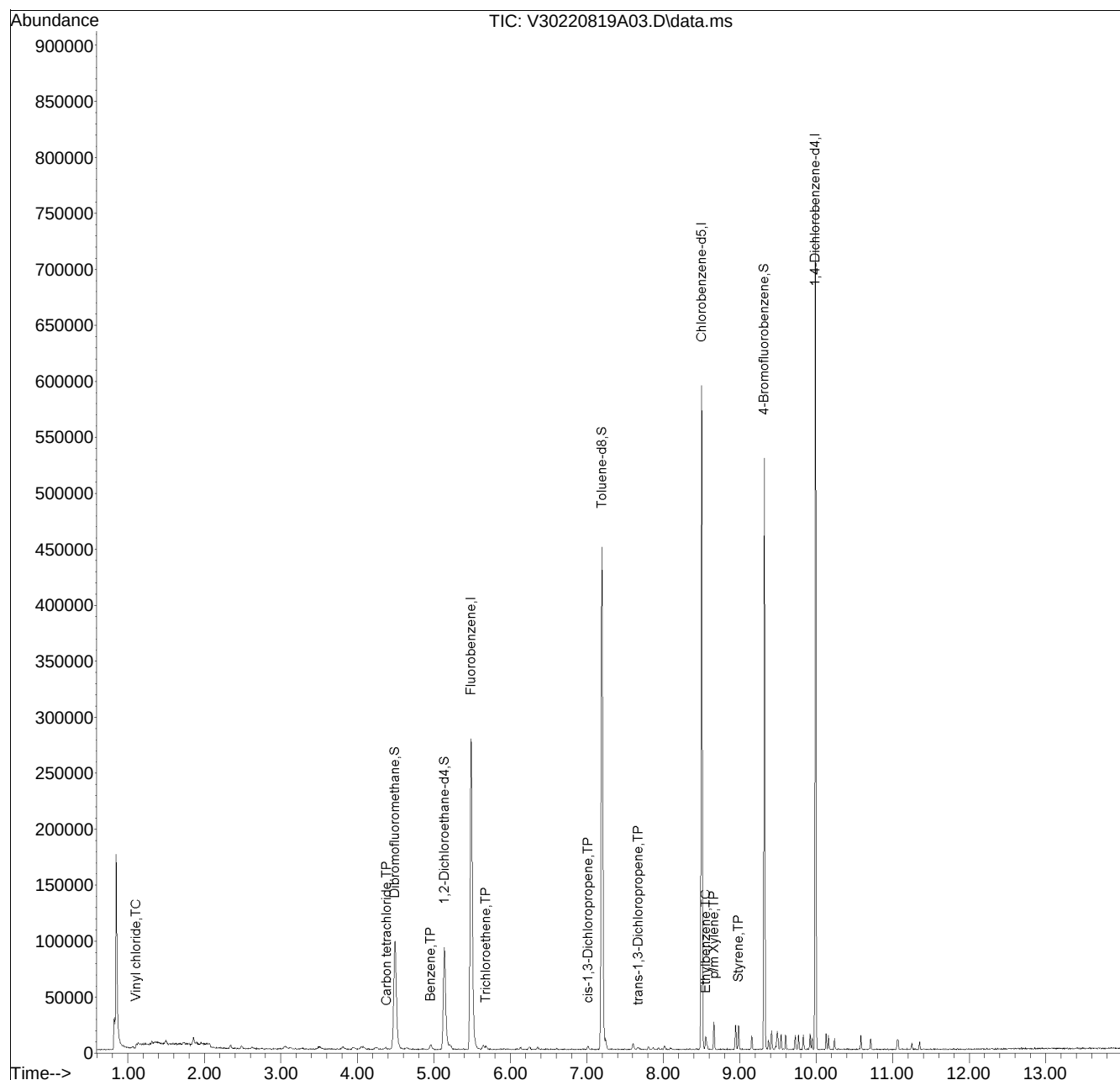
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A03.D
 Acq On : 19 Aug 2022 02:16 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.19PPB
 Misc : WG1678209
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 14:44:11 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 14:44:05 2022
 Response via : Initial Calibration

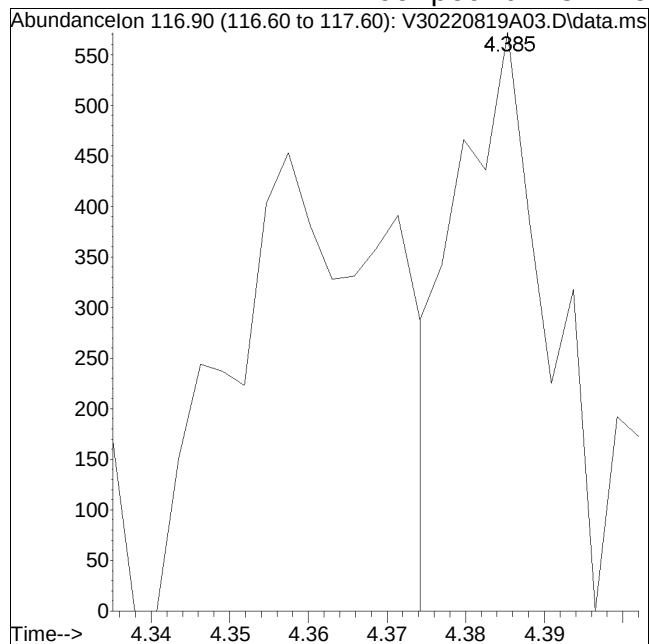
Sub List : 8260-L11 - Level 11 for 8260-LRR product\V30220819A08.D•



Manual Integration Report

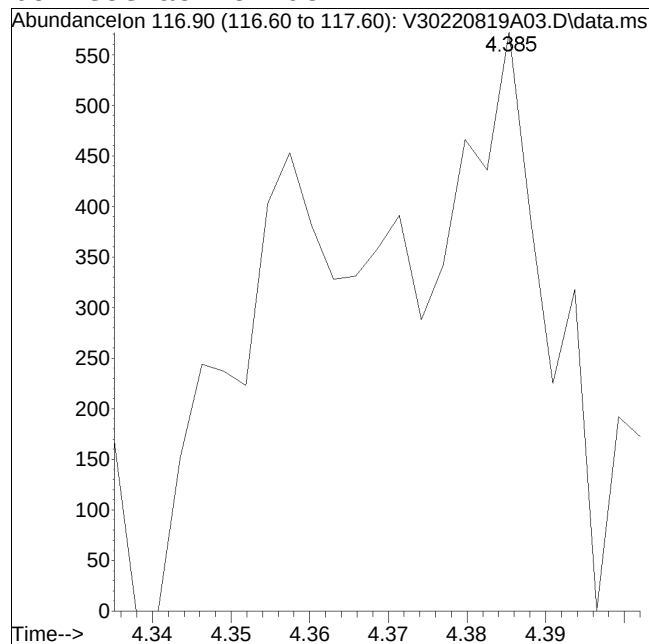
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A03.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:16 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 8/22/2022 2:44 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 459

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



Manual Peak Response = 1093 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A04.D
 Acq On : 19 Aug 2022 02:35 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.5PPB
 Misc : WG1678209
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 13:27:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.490	96	245935	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	91.79%	
59) Chlorobenzene-d5	8.501	117	188297	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	95.94%	
79) 1,4-Dichlorobenzene-d4	9.991	152	97681	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	96.18%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.491	113	68420	10.627	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.27%	
43) 1,2-Dichloroethane-d4	5.138	65	71344	10.051	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.51%	
60) Toluene-d8	7.196	98	243409	9.856	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.56%	
83) 4-Bromofluorobenzene	9.321	95	92909	9.991	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.91%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.939	85	1926	0.345	ug/L	88
3) Chloromethane	1.061	50	2574M1	0.416	ug/L	
4) Vinyl chloride	1.109	62	2588	0.413	ug/L	99
5) Bromomethane	1.312	94	2182M1	0.531	ug/L	
6) Chloroethane	1.399	64	1665	0.437	ug/L	88
7) Trichlorofluoromethane	1.494	101	4240	0.442	ug/L	91
8) Ethyl ether	1.731	74	832	0.386	ug/L #	48
10) 1,1-Dichloroethene	1.859	96	2106	0.414	ug/L	77
11) Carbon disulfide	1.859	76	5341	0.431	ug/L	96
12) Freon-113	1.903	101	2178	0.374	ug/L #	60
13) Iodomethane	1.959	142	1990M1	0.381	ug/L	
14) Acrolein	0.000		0	N.D.	d	
15) Methylene chloride	2.344	84	2677	0.502	ug/L	83
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	2.486	96	2247	0.412	ug/L	85
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	2.626	73	3957M1	0.407	ug/L	
21) tert-Butyl alcohol	0.000		0	N.D.	d	
22) Diisopropyl ether	3.058	45	7621M1	0.452	ug/L	
23) 1,1-Dichloroethane	3.119	63	4820	0.450	ug/L	87
24) Halothane	3.284	117	1635M1	0.392	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A04.D
 Acq On : 19 Aug 2022 02:35 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.5PPB
 Misc : WG1678209
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 13:27:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

25) Acrylonitrile	0.000		0	N.D.	d	
26) Ethyl tert-butyl ether	3.493	59	5242M1	0.407	ug/L	
27) Vinyl acetate	0.000		0	N.D.	d	
28) cis-1,2-Dichloroethene	3.822	96	2990M1	0.500	ug/L	
29) 2,2-Dichloropropane	3.959	77	2451M1	0.379	ug/L	
30) Bromochloromethane	4.081	128	1253M1	0.487	ug/L	
31) Cyclohexane	4.065	56	4172M1	0.382	ug/L	
32) Chloroform	4.243	83	4748	0.454	ug/L	# 90
33) Ethyl acetate	0.000		0	N.D.	d	
34) Carbon tetrachloride	4.371	117	2661M1	0.346	ug/L	
35) Tetrahydrofuran	0.000		0	N.D.	d	
37) 1,1,1-Trichloroethane	4.469	97	3442M1	0.382	ug/L	
39) 2-Butanone	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	4.648	75	2813M1	0.367	ug/L	
41) Benzene	4.957	78	9209	0.418	ug/L	# 64
42) tert-Amyl methyl ether	5.205	73	4300	0.421	ug/L	# 58
44) 1,2-Dichloroethane	5.219	62	3567	0.487	ug/L	# 50
47) Methyl cyclohexane	5.649	83	3707M1	0.369	ug/L	
48) Trichloroethene	5.679	95	2193M1	0.368	ug/L	
50) Dibromomethane	6.134	93	1359	0.467	ug/L	98
51) 1,2-Dichloropropane	6.248	63	2343	0.413	ug/L	# 84
53) 2-Chloroethyl vinyl ether	7.007	63	1070	0.409	ug/L	# 84
54) Bromodichloromethane	6.357	83	3450	0.462	ug/L	# 94
57) 1,4-Dioxane	6.588	88	1564M1	78.819	ug/L	
58) cis-1,3-Dichloropropene	7.023	75	2954	0.392	ug/L	98
61) Toluene	7.249	92	6181	0.428	ug/L	96
62) 4-Methyl-2-pentanone	7.659	58	548	0.468	ug/L	# 56
63) Tetrachloroethene	7.604	166	2464	0.393	ug/L	99
65) trans-1,3-Dichloropropene	7.676	75	2039	0.348	ug/L	85
67) Ethyl methacrylate	7.866	69	1852	0.438	ug/L	85
68) 1,1,2-Trichloroethane	7.807	83	1505	0.450	ug/L	92
69) Chlorodibromomethane	7.938	129	2066	0.430	ug/L	91
70) 1,3-Dichloropropane	8.016	76	3104	0.435	ug/L	99
71) 1,2-Dibromoethane	8.094	107	1567	0.412	ug/L	92
72) 2-Hexanone	8.343	43	1224	0.629	ug/L	# 81
73) Chlorobenzene	8.515	112	7351	0.469	ug/L	# 82
74) Ethylbenzene	8.554	91	12350	0.432	ug/L	99
75) 1,1,1,2-Tetrachloroethane	8.574	131	2049	0.410	ug/L	# 64
76) p/m Xylene	8.663	106	8627	0.799	ug/L	94
77) o Xylene	8.945	106	9118	0.879	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A04.D
 Acq On : 19 Aug 2022 02:35 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.5PPB
 Misc : WG1678209
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 13:27:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.984	104	14557	0.857	ug/L	92
80)	Bromoform	8.984	173	1262	0.473	ug/L	86
82)	Isopropylbenzene	9.154	105	11687	0.411	ug/L	99
84)	Bromobenzene	9.372	156	3510	0.543	ug/L	94
85)	n-Propylbenzene	9.413	91	14152	0.409	ug/L	99
86)	1,4-Dichlorobutane	9.419	55	3678	0.522	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.466	83	2741	0.604	ug/L	95
88)	4-Ethyltoluene	9.486	105	11627	0.423	ug/L	95
89)	2-Chlorotoluene	9.494	91	10540	0.450	ug/L	96
90)	1,3,5-Trimethylbenzene	9.539	105	10192	0.430	ug/L	96
91)	1,2,3-Trichloropropane	9.536	75	2156	0.594	ug/L	97
92)	trans-1,4-Dichloro-2-b...	9.567	53	530	0.435	ug/L	99
93)	4-Chlorotoluene	9.600	91	9790	0.478	ug/L	98
94)	tert-Butylbenzene	9.726	119	8721	0.421	ug/L	91
97)	1,2,4-Trimethylbenzene	9.768	105	10117	0.439	ug/L	95
98)	sec-Butylbenzene	9.832	105	12688	0.399	ug/L	99
99)	p-Isopropyltoluene	9.918	119	11076	0.413	ug/L	97
100)	1,3-Dichlorobenzene	9.946	146	6399	0.494	ug/L	99
101)	1,4-Dichlorobenzene	9.996	146	6528	0.512	ug/L #	79
102)	p-Diethylbenzene	10.127	119	6539	0.418	ug/L	95
103)	n-Butylbenzene	10.158	91	9821	0.393	ug/L	100
104)	1,2-Dichlorobenzene	10.236	146	6591	0.563	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.582	119	10615	0.457	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	220	0.377	ug/L #	28
107)	1,3,5-Trichlorobenzene	10.707	180	4957	0.485	ug/L	97
108)	Hexachlorobutadiene	11.056	225	2161	0.468	ug/L	98
109)	1,2,4-Trichlorobenzene	11.070	180	4706	0.547	ug/L	94
110)	Naphthalene	11.248	128	8689	0.569	ug/L	100
111)	1,2,3-Trichlorobenzene	11.352	180	4090	0.531	ug/L	92

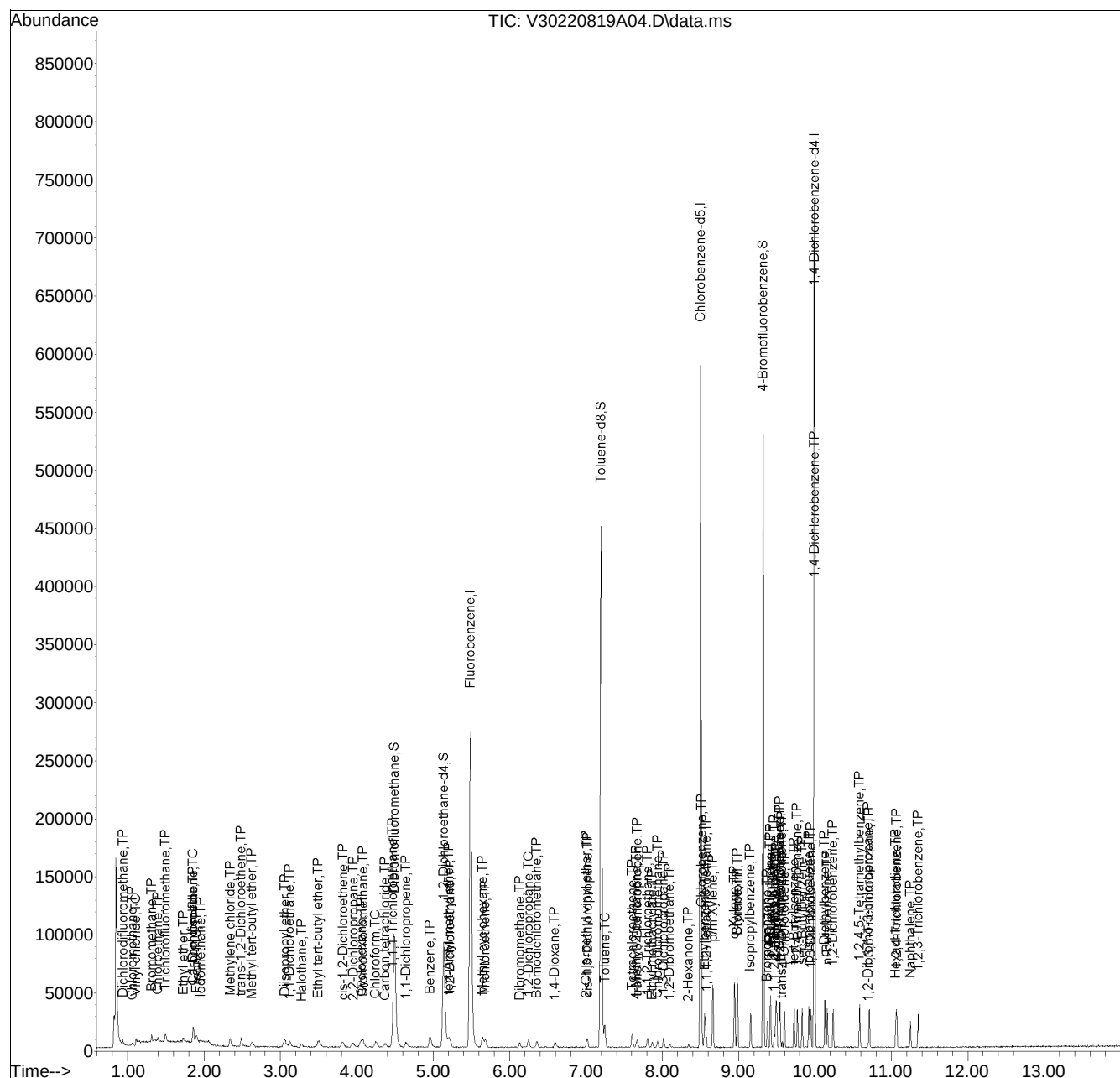
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A04.D
 Acq On : 19 Aug 2022 02:35 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.5PPB
 Misc : WG1678209
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 13:27:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

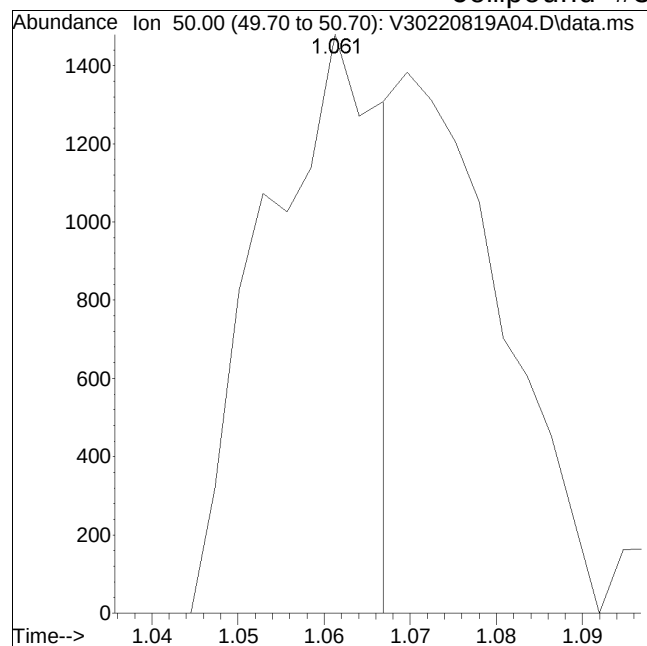
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

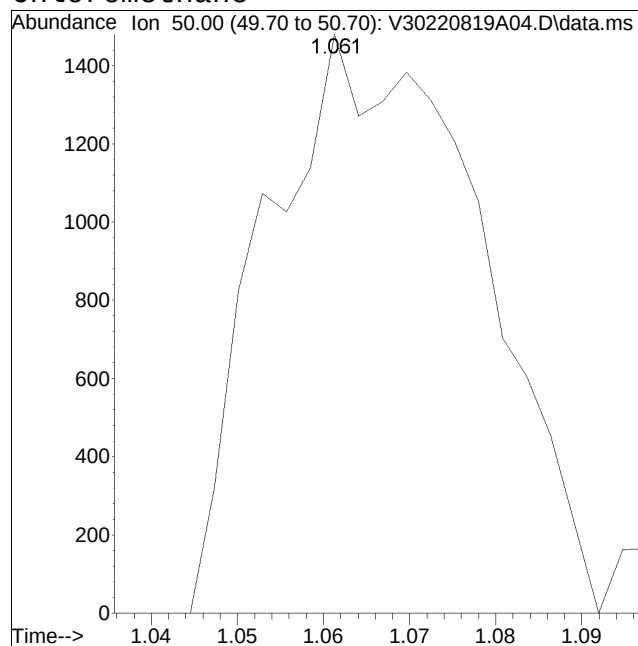
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #3: Chloromethane



Original Peak Response = 1413

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

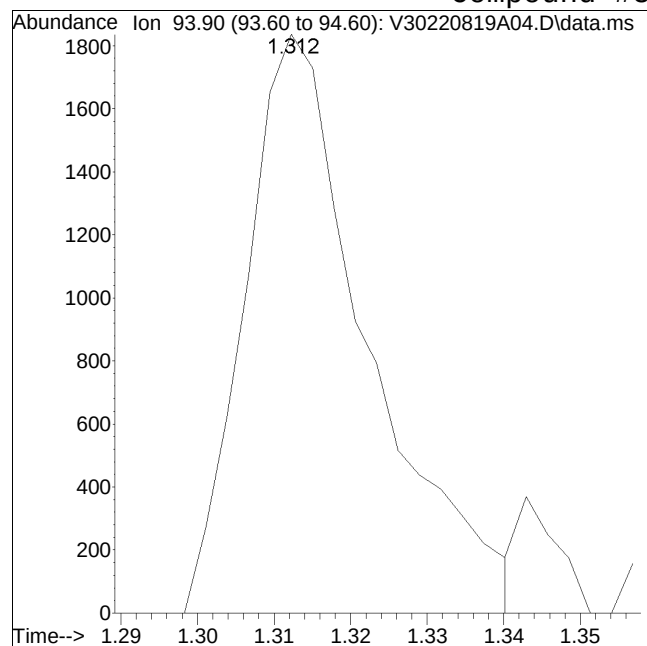


Manual Peak Response = 2574 M1

Manual Integration Report

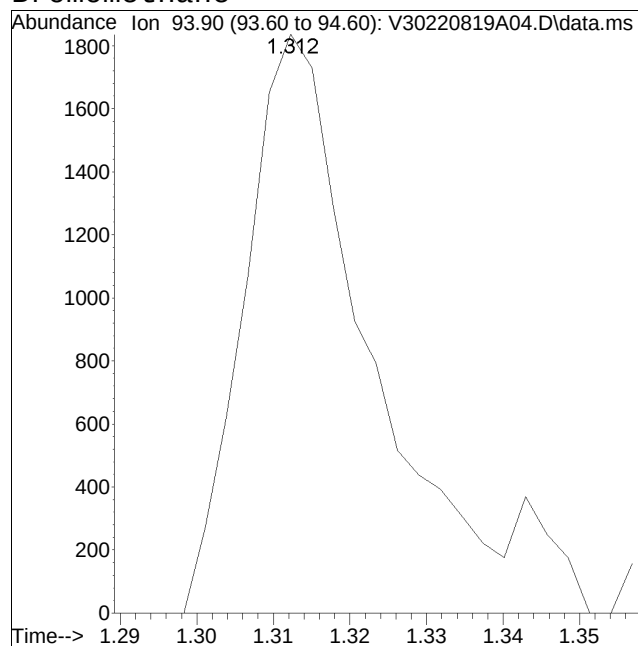
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #5: Bromomethane



Original Peak Response = 2049

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

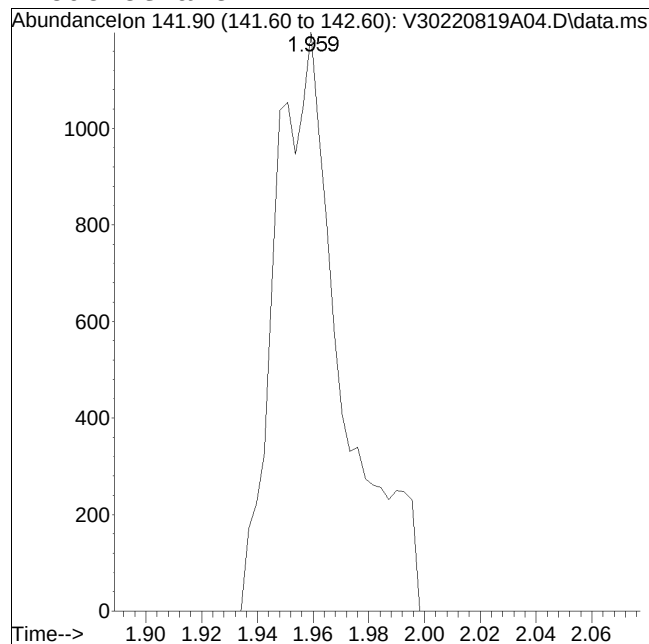
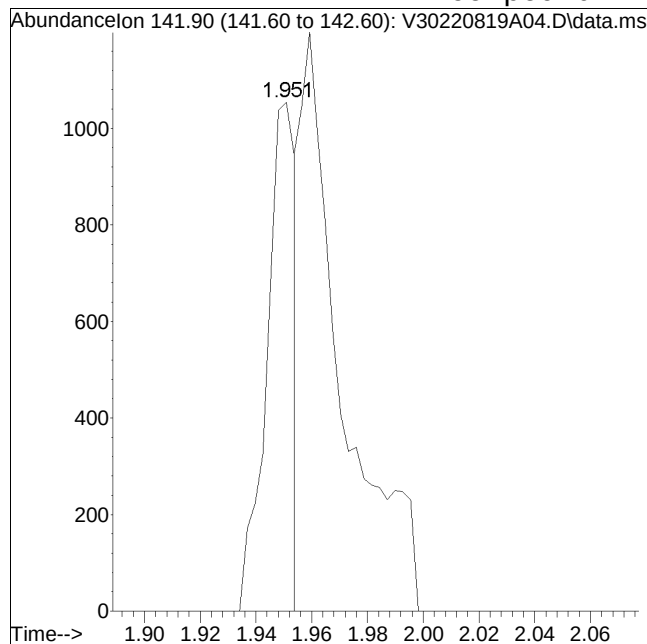


Manual Peak Response = 2182 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #13: Iodomethane



Original Peak Response = 744

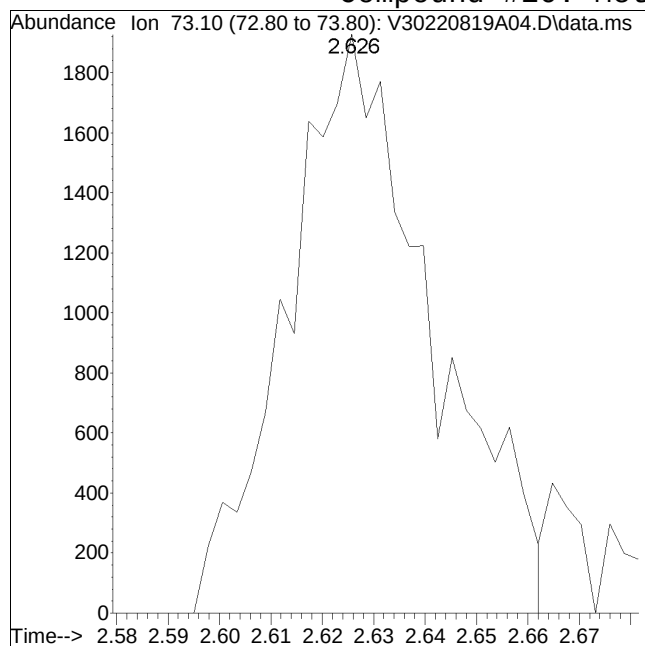
Manual Peak Response = 1990 M1

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

Manual Integration Report

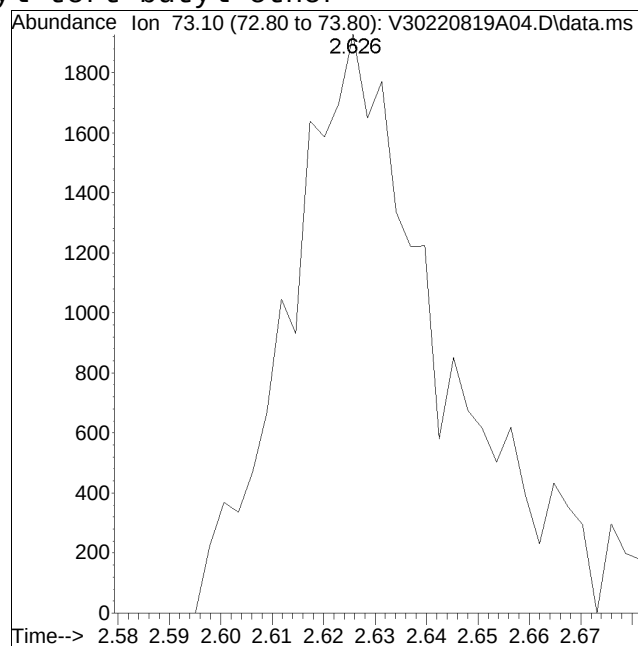
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 3776

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

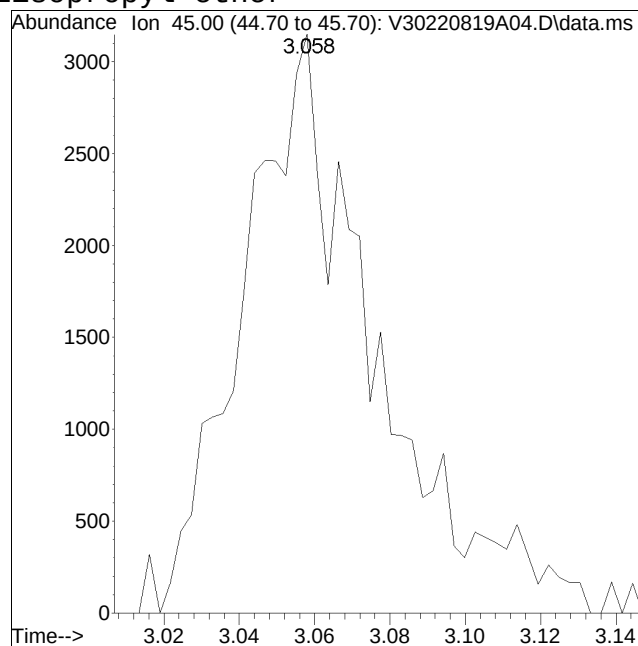
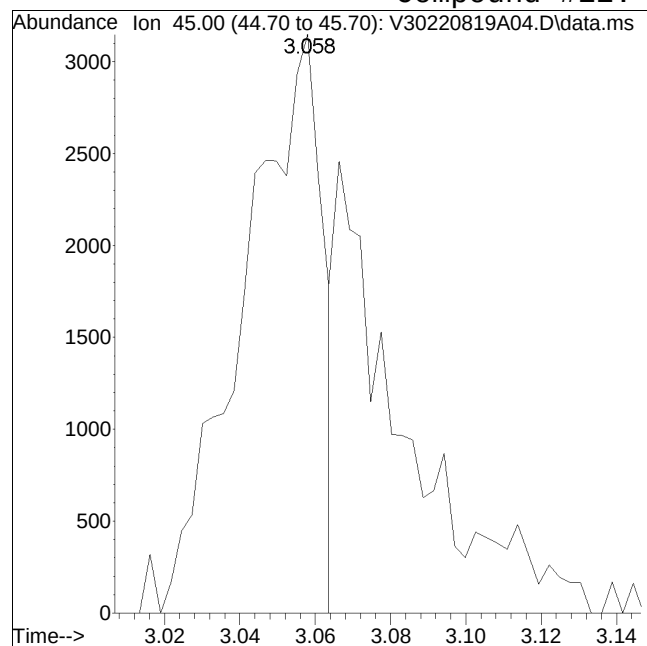


Manual Peak Response = 3957 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #22: Diisopropyl ether



Original Peak Response = 4557

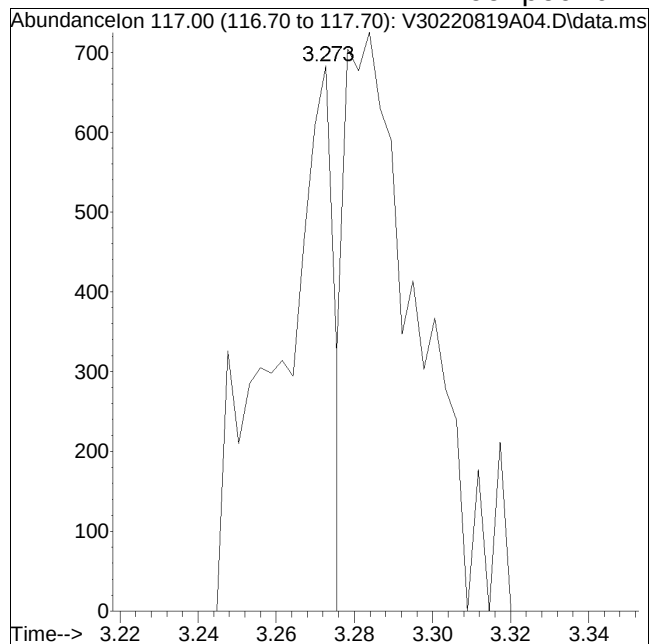
Manual Peak Response = 7621 M1

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

Manual Integration Report

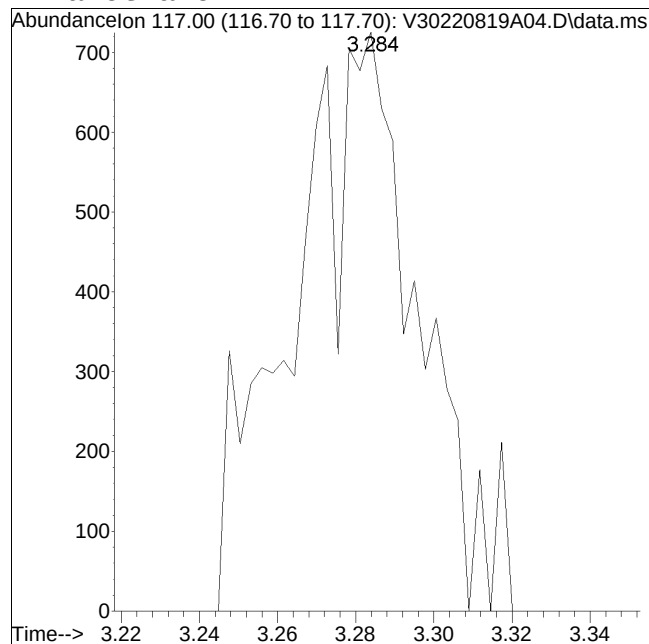
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #24: Halothane



Original Peak Response = 688

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

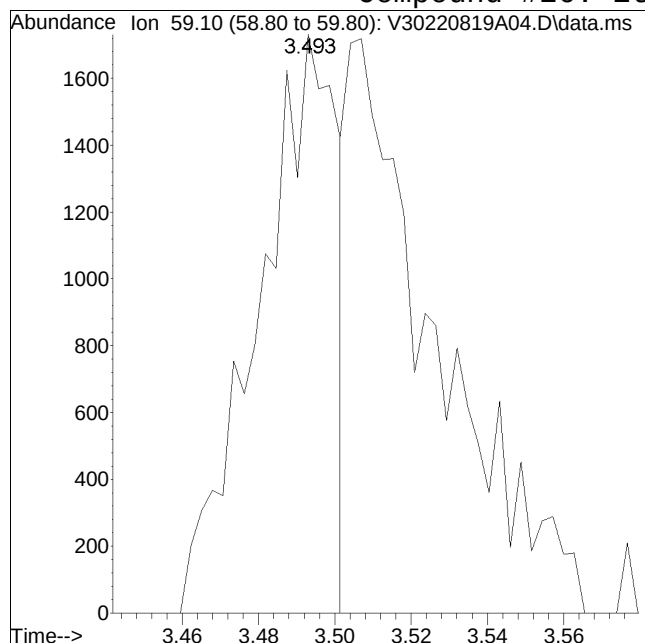


Manual Peak Response = 1635 M1

Manual Integration Report

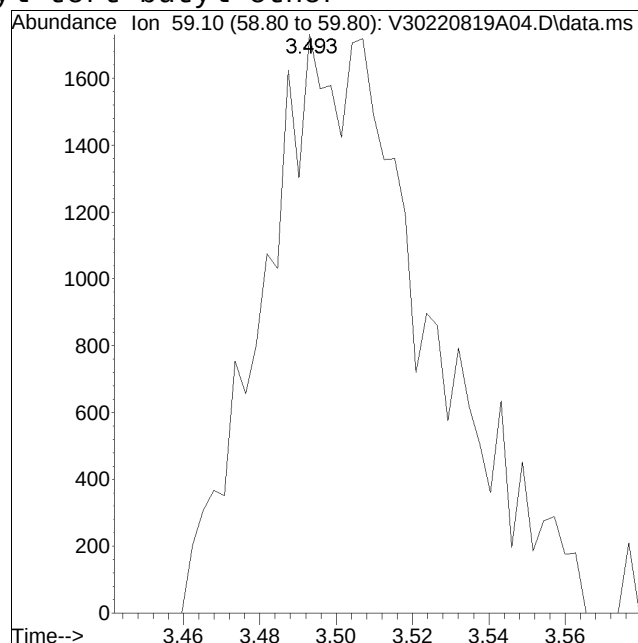
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 2473

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

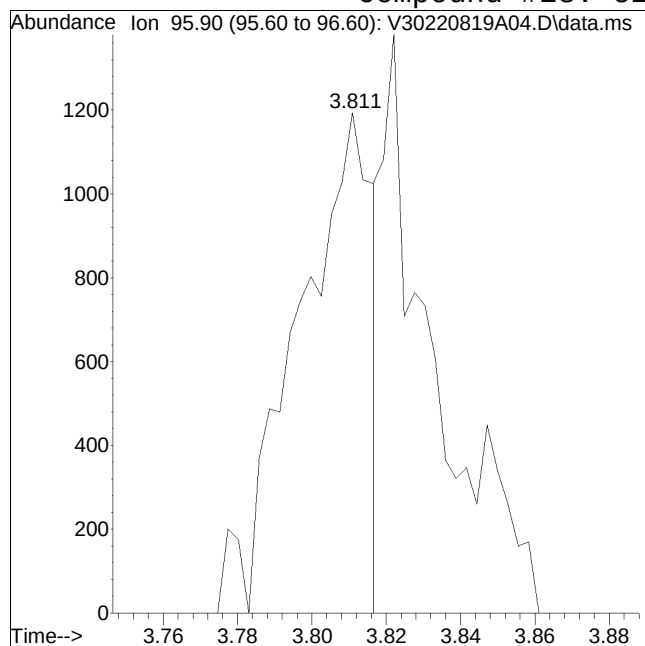


Manual Peak Response = 5242 M1

Manual Integration Report

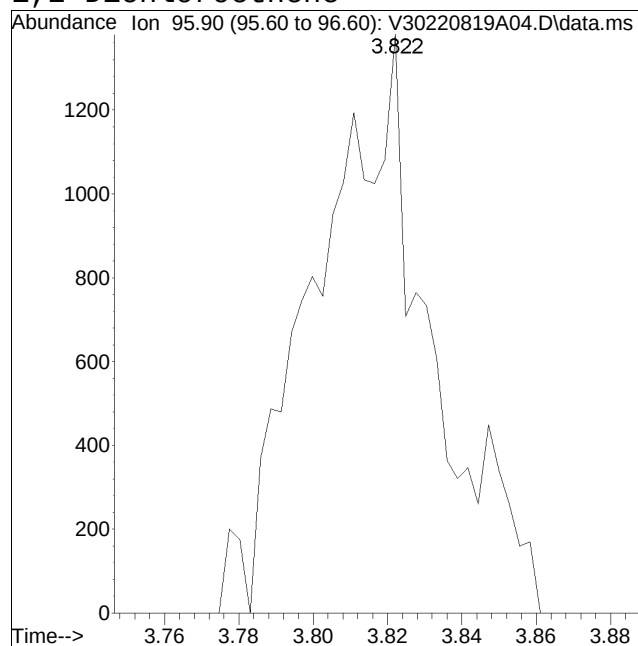
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 1660

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

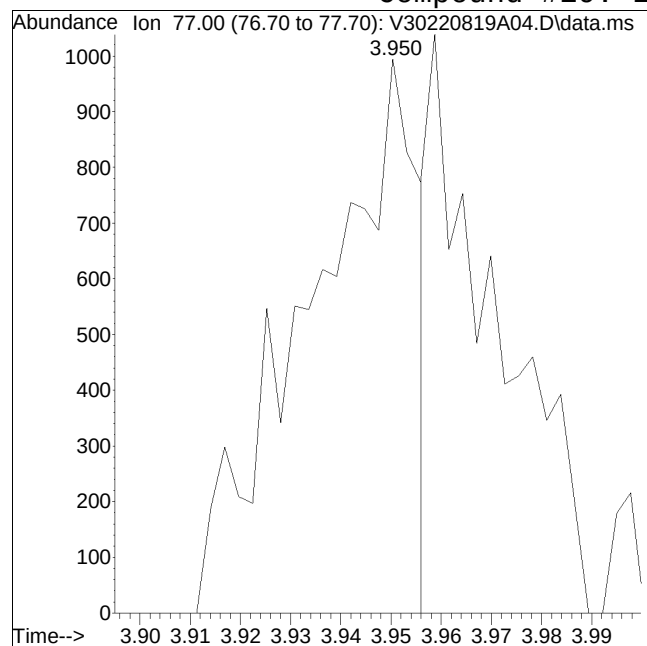


Manual Peak Response = 2990 M1

Manual Integration Report

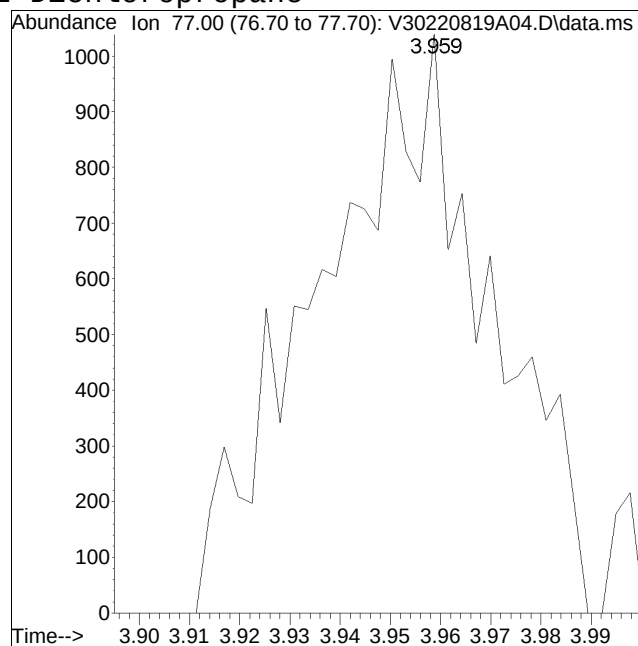
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 1480

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

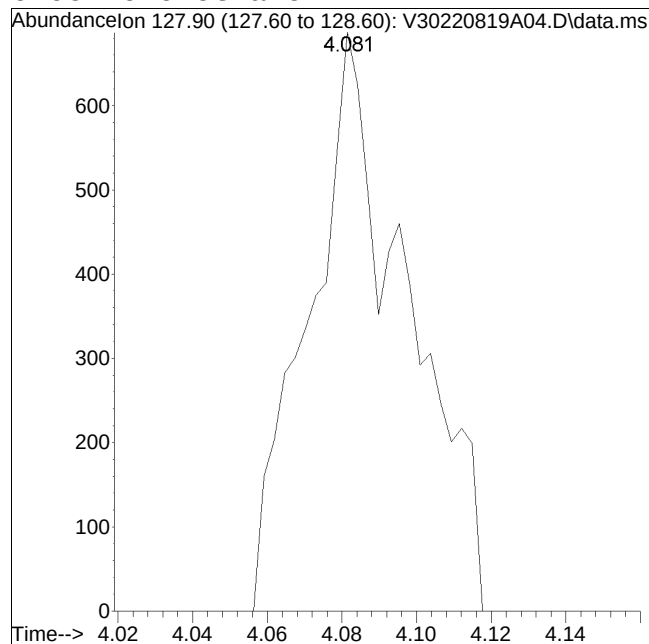
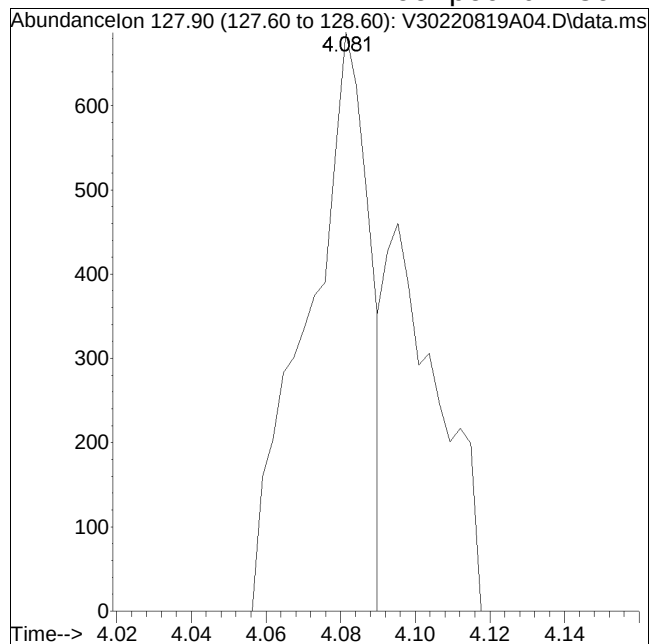


Manual Peak Response = 2451 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #30: Bromochloromethane



Original Peak Response = 795

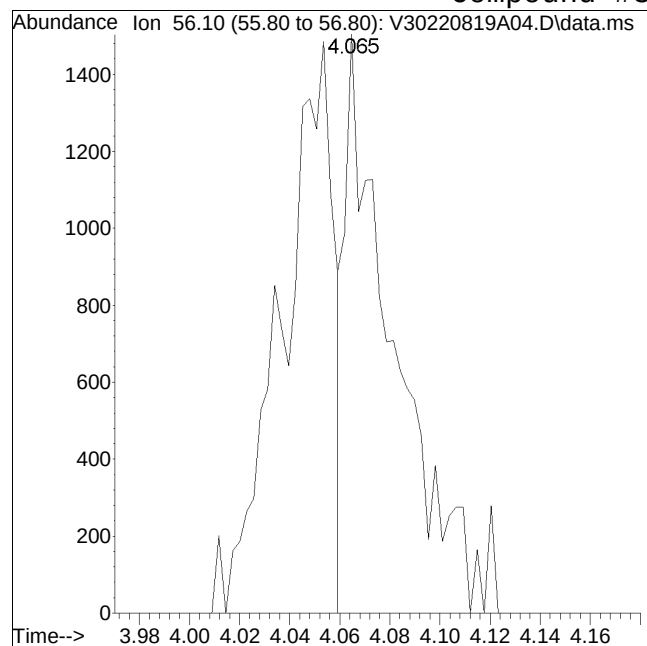
Manual Peak Response = 1253 M1

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

Manual Integration Report

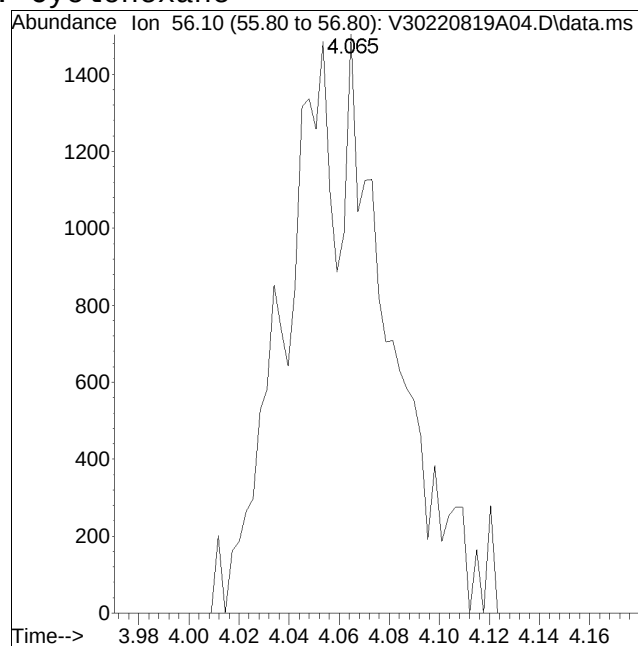
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #31: Cyclohexane



Original Peak Response = 1976

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

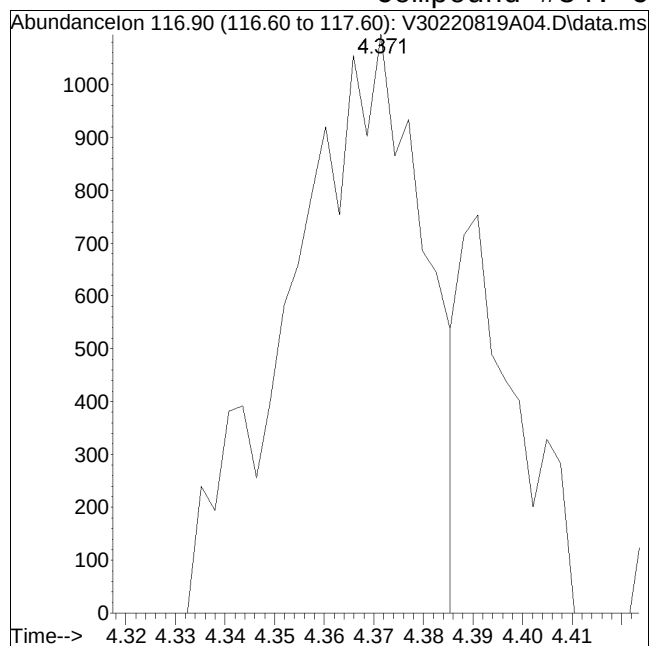


Manual Peak Response = 4172 M1

Manual Integration Report

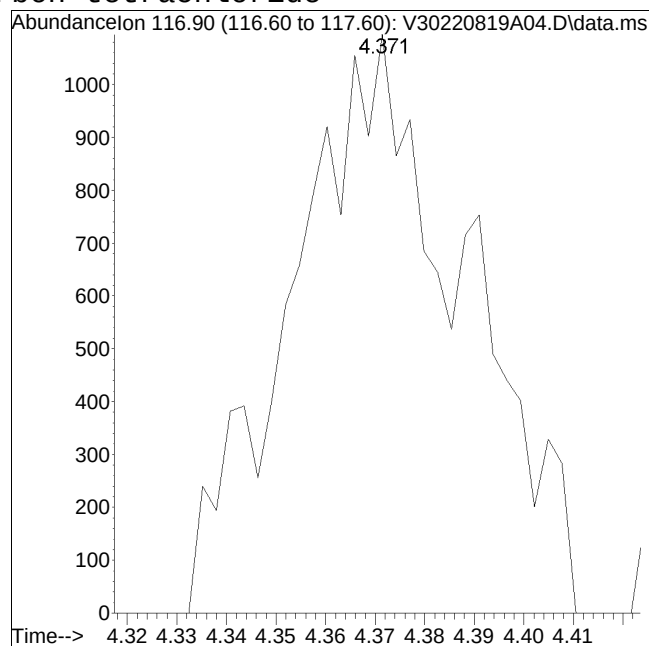
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 2057

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

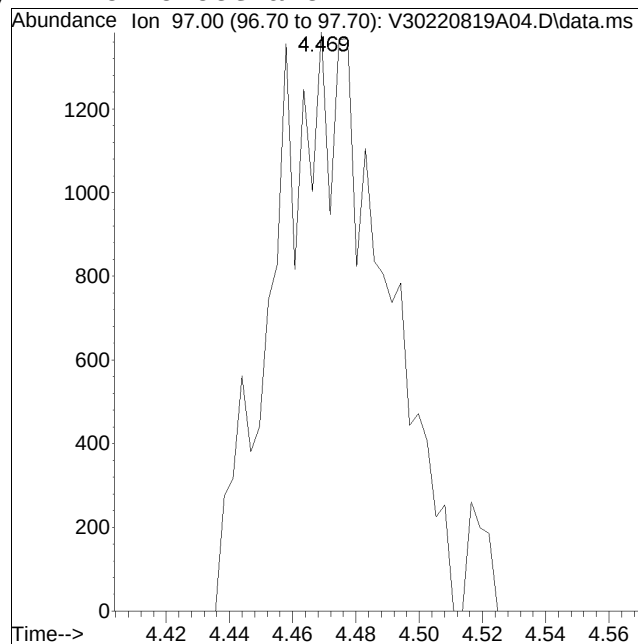
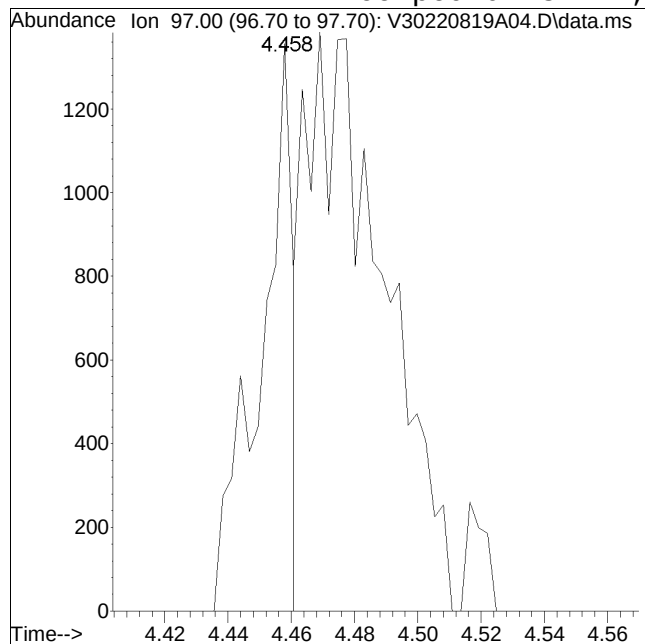


Manual Peak Response = 2661 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #37: 1,1,1-Trichloroethane

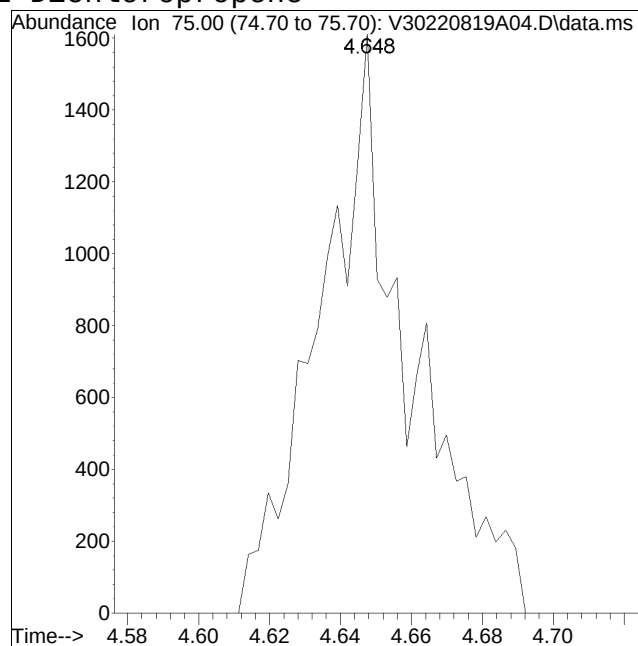
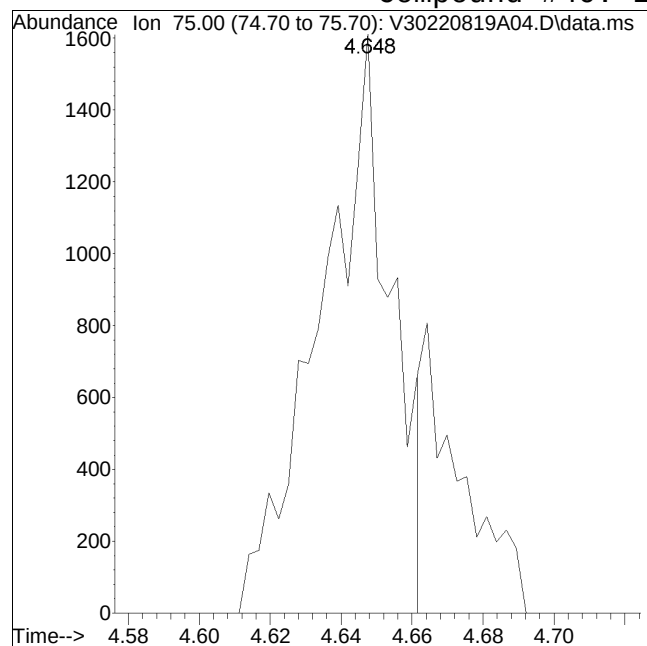


M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #40: 1,1-Dichloropropene



Original Peak Response = 2216

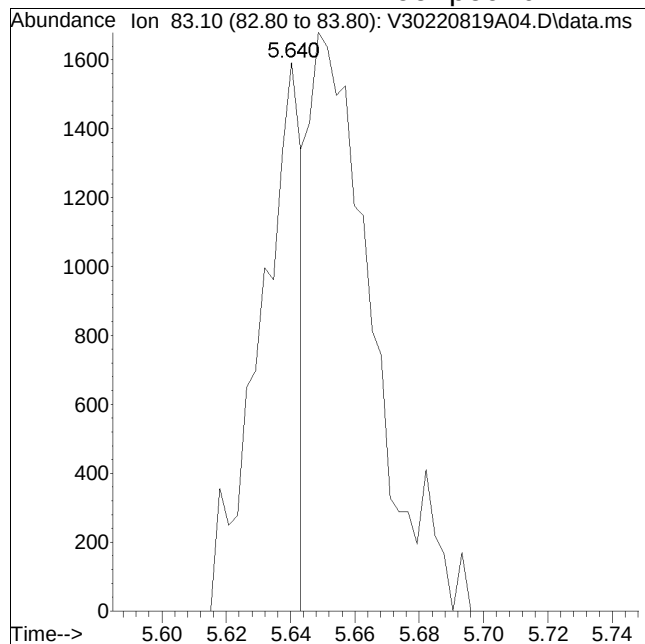
Manual Peak Response = 2813 M1

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

Manual Integration Report

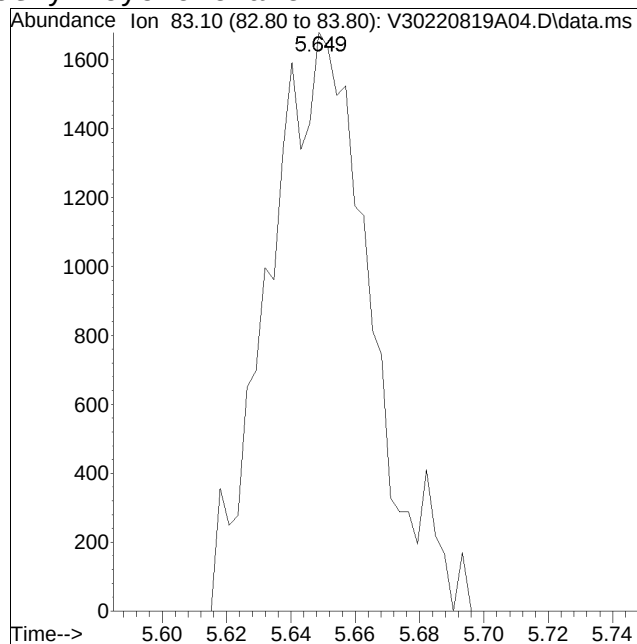
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #47: Methyl cyclohexane



Original Peak Response = 1415

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

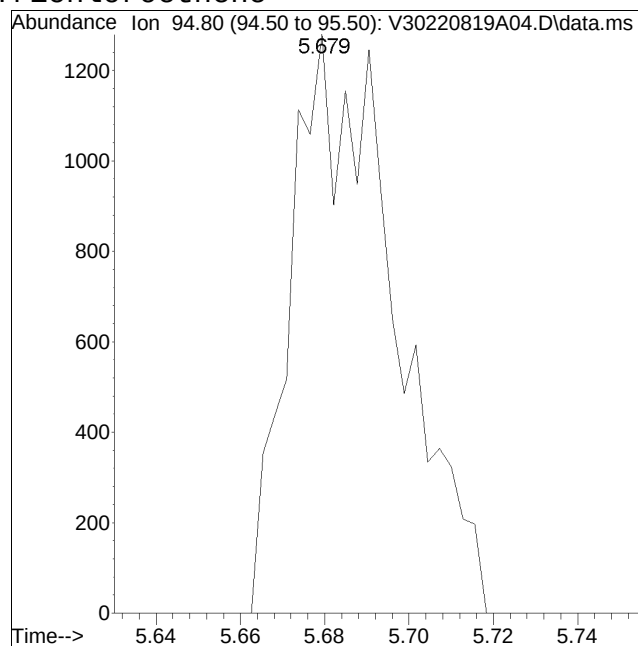
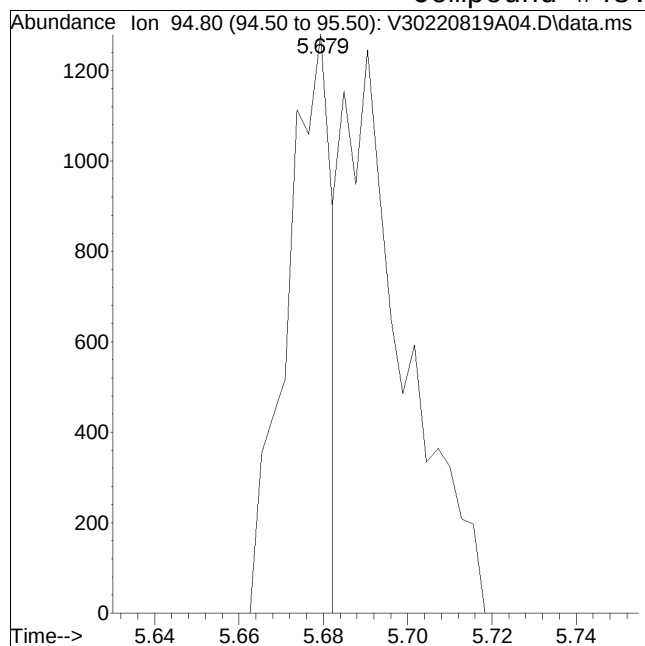


Manual Peak Response = 3707 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #48: Trichloroethene



Original Peak Response = 948

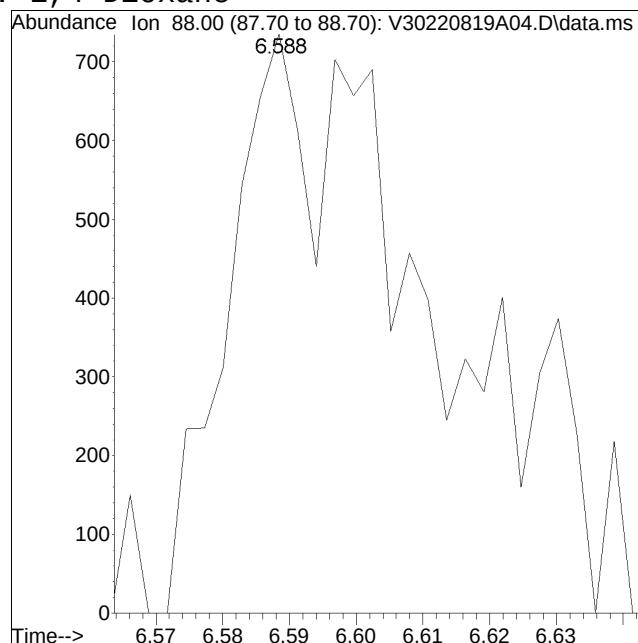
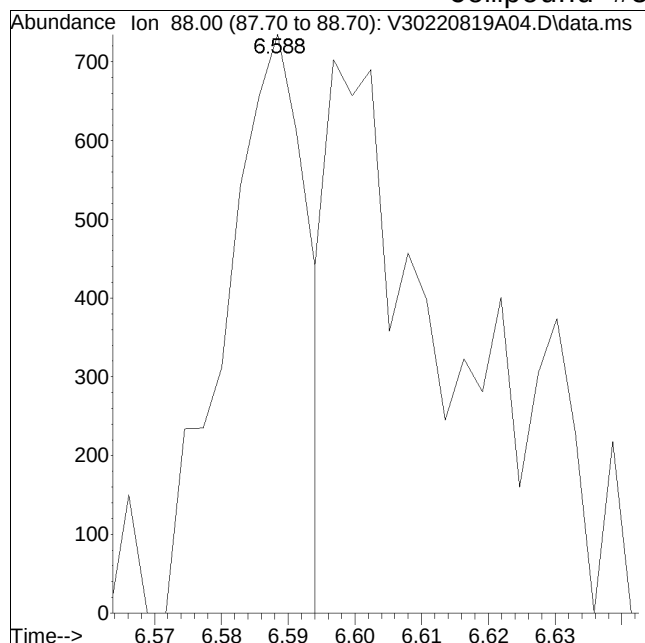
Manual Peak Response = 2193 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 631

Manual Peak Response = 1564 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\220819AICAL\
 Data File : V30220819A06.D
 Acq On : 19 Aug 2022 03:15 pm
 Operator : VOA130:MKS
 Sample : I8260STD2PPB
 Misc : WG1678209
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 13:31:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.489	96	257743	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	96.20%	
59) Chlorobenzene-d5	8.501	117	194557	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	99.13%	
79) 1,4-Dichlorobenzene-d4	9.990	152	99085	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	97.56%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.488	113	69850	10.352	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.52%	
43) 1,2-Dichloroethane-d4	5.138	65	73897	9.933	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.33%	
60) Toluene-d8	7.199	98	250244	9.807	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.07%	
83) 4-Bromofluorobenzene	9.321	95	95007	10.072	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.72%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.935	85	11718M1	2.006	ug/L	
3) Chloromethane	1.072	50	12799	1.972	ug/L	99
4) Vinyl chloride	1.108	62	13277	2.022	ug/L	93
5) Bromomethane	1.315	94	9412	2.185	ug/L	97
6) Chloroethane	1.401	64	7593	1.903	ug/L	98
7) Trichlorofluoromethane	1.493	101	19026	1.893	ug/L	97
8) Ethyl ether	1.730	74	4230M1	1.872	ug/L	
10) 1,1-Dichloroethene	1.858	96	10508M1	1.969	ug/L	
11) Carbon disulfide	1.861	76	26025	2.006	ug/L	97
12) Freon-113	1.897	101	11324	1.857	ug/L	100
13) Iodomethane	1.956	142	9515	1.739	ug/L	91
14) Acrolein	2.135	56	969	1.816	ug/L #	51
15) Methylene chloride	2.344	84	12237M1	2.188	ug/L	
17) Acetone	2.405	43	2317	2.819	ug/L #	69
18) trans-1,2-Dichloroethene	2.486	96	11569	2.022	ug/L	81
19) Methyl acetate	2.531	43	4294	1.939	ug/L #	95
20) Methyl tert-butyl ether	2.625	73	19159M1	1.881	ug/L	
21) tert-Butyl alcohol	2.781	59	1171M1	8.202	ug/L	
22) Diisopropyl ether	3.055	45	33817M1	1.913	ug/L	
23) 1,1-Dichloroethane	3.124	63	22621	2.015	ug/L	96
24) Halothane	3.278	117	8259	1.890	ug/L #	51

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A06.D
 Acq On : 19 Aug 2022 03:15 pm
 Operator : VOA130:MKS
 Sample : I8260STD2PPB
 Misc : WG1678209
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 13:31:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25)	Acrylonitrile	3.186	53	2183M1	1.975	ug/L	
26)	Ethyl tert-butyl ether	3.498	59	25045M1	1.855	ug/L	
27)	Vinyl acetate	3.501	43	14698	1.761	ug/L #	87
28)	cis-1,2-Dichloroethene	3.816	96	12990M1	2.074	ug/L	
29)	2,2-Dichloropropane	3.953	77	12696M1	1.872	ug/L	
30)	Bromochloromethane	4.081	128	5657	2.100	ug/L #	69
31)	Cyclohexane	4.050	56	21065M1	1.840	ug/L	
32)	Chloroform	4.251	83	21795	1.987	ug/L #	96
33)	Ethyl acetate	4.505	43	5413	1.929	ug/L #	88
34)	Carbon tetrachloride	4.365	117	14495	1.798	ug/L	98
35)	Tetrahydrofuran	4.449	42	1777M1	2.109	ug/L	
37)	1,1,1-Trichloroethane	4.466	97	15968	1.689	ug/L #	78
39)	2-Butanone	4.697	43	2650M1	2.200	ug/L	
40)	1,1-Dichloropropene	4.650	75	14209	1.771	ug/L	98
41)	Benzene	4.962	78	44303	1.919	ug/L #	90
42)	tert-Amyl methyl ether	5.199	73	19386	1.813	ug/L	90
44)	1,2-Dichloroethane	5.222	62	15573	2.027	ug/L	99
47)	Methyl cyclohexane	5.651	83	19189	1.821	ug/L #	76
48)	Trichloroethene	5.679	95	11435	1.829	ug/L	98
50)	Dibromomethane	6.131	93	6205	2.035	ug/L	97
51)	1,2-Dichloropropane	6.245	63	11406	1.920	ug/L	98
53)	2-Chloroethyl vinyl ether	7.006	63	4892	1.784	ug/L #	93
54)	Bromodichloromethane	6.357	83	15425	1.972	ug/L	98
57)	1,4-Dioxane	6.591	88	7819M1	375.993	ug/L	
58)	cis-1,3-Dichloropropene	7.017	75	13557	1.716	ug/L	98
61)	Toluene	7.246	92	28597	1.915	ug/L	96
62)	4-Methyl-2-pentanone	7.662	58	2168	1.794	ug/L #	87
63)	Tetrachloroethene	7.600	166	12017	1.857	ug/L	91
65)	trans-1,3-Dichloropropene	7.676	75	9278	1.531	ug/L	94
67)	Ethyl methacrylate	7.868	69	7702	1.765	ug/L	98
68)	1,1,2-Trichloroethane	7.801	83	6423	1.859	ug/L	96
69)	Chlorodibromomethane	7.941	129	8866	1.784	ug/L	98
70)	1,3-Dichloropropane	8.019	76	13583	1.844	ug/L	99
71)	1,2-Dibromoethane	8.097	107	6913	1.759	ug/L	95
72)	2-Hexanone	8.342	43	3995	1.987	ug/L	89
73)	Chlorobenzene	8.512	112	32186	1.987	ug/L	97
74)	Ethylbenzene	8.554	91	55673	1.886	ug/L	99
75)	1,1,1,2-Tetrachloroethane	8.574	131	8695	1.684	ug/L	97
76)	p/m Xylene	8.663	106	41856	3.753	ug/L	98
77)	o Xylene	8.944	106	40172	3.747	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A06.D
 Acq On : 19 Aug 2022 03:15 pm
 Operator : VOA130:MKS
 Sample : I8260STD2PPB
 Misc : WG1678209
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 13:31:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.983	104	67433	3.840	ug/L	92
80)	Bromoform	8.983	173	4827	1.782	ug/L	96
82)	Isopropylbenzene	9.156	105	54799	1.900	ug/L	98
84)	Bromobenzene	9.374	156	13605	2.076	ug/L	99
85)	n-Propylbenzene	9.416	91	66141	1.883	ug/L	98
86)	1,4-Dichlorobutane	9.419	55	13706	1.918	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.466	83	8921	1.937	ug/L	100
88)	4-Ethyltoluene	9.485	105	52852	1.896	ug/L	98
89)	2-Chlorotoluene	9.497	91	45668	1.921	ug/L	97
90)	1,3,5-Trimethylbenzene	9.538	105	45496	1.894	ug/L	94
91)	1,2,3-Trichloropropane	9.533	75	7158	1.944	ug/L	97
92)	trans-1,4-Dichloro-2-b...	9.569	53	2448	1.982	ug/L #	78
93)	4-Chlorotoluene	9.600	91	40873	1.967	ug/L	98
94)	tert-Butylbenzene	9.725	119	40287	1.918	ug/L	96
97)	1,2,4-Trimethylbenzene	9.767	105	44064	1.883	ug/L	92
98)	sec-Butylbenzene	9.828	105	60728	1.885	ug/L	100
99)	p-Isopropyltoluene	9.918	119	49694	1.827	ug/L	98
100)	1,3-Dichlorobenzene	9.943	146	25414	1.934	ug/L	98
101)	1,4-Dichlorobenzene	9.999	146	26040	2.012	ug/L	97
102)	p-Diethylbenzene	10.127	119	30429	1.919	ug/L	92
103)	n-Butylbenzene	10.160	91	46624	1.839	ug/L	99
104)	1,2-Dichlorobenzene	10.238	146	23708	1.995	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.584	119	44580	1.890	ug/L	96
106)	1,2-Dibromo-3-chloropr...	10.693	155	973	1.644	ug/L #	67
107)	1,3,5-Trichlorobenzene	10.710	180	20537	1.981	ug/L	92
108)	Hexachlorobutadiene	11.056	225	9030	1.929	ug/L	95
109)	1,2,4-Trichlorobenzene	11.069	180	16943	1.941	ug/L	97
110)	Naphthalene	11.251	128	29972	1.934	ug/L	100
111)	1,2,3-Trichlorobenzene	11.351	180	14922	1.910	ug/L	98

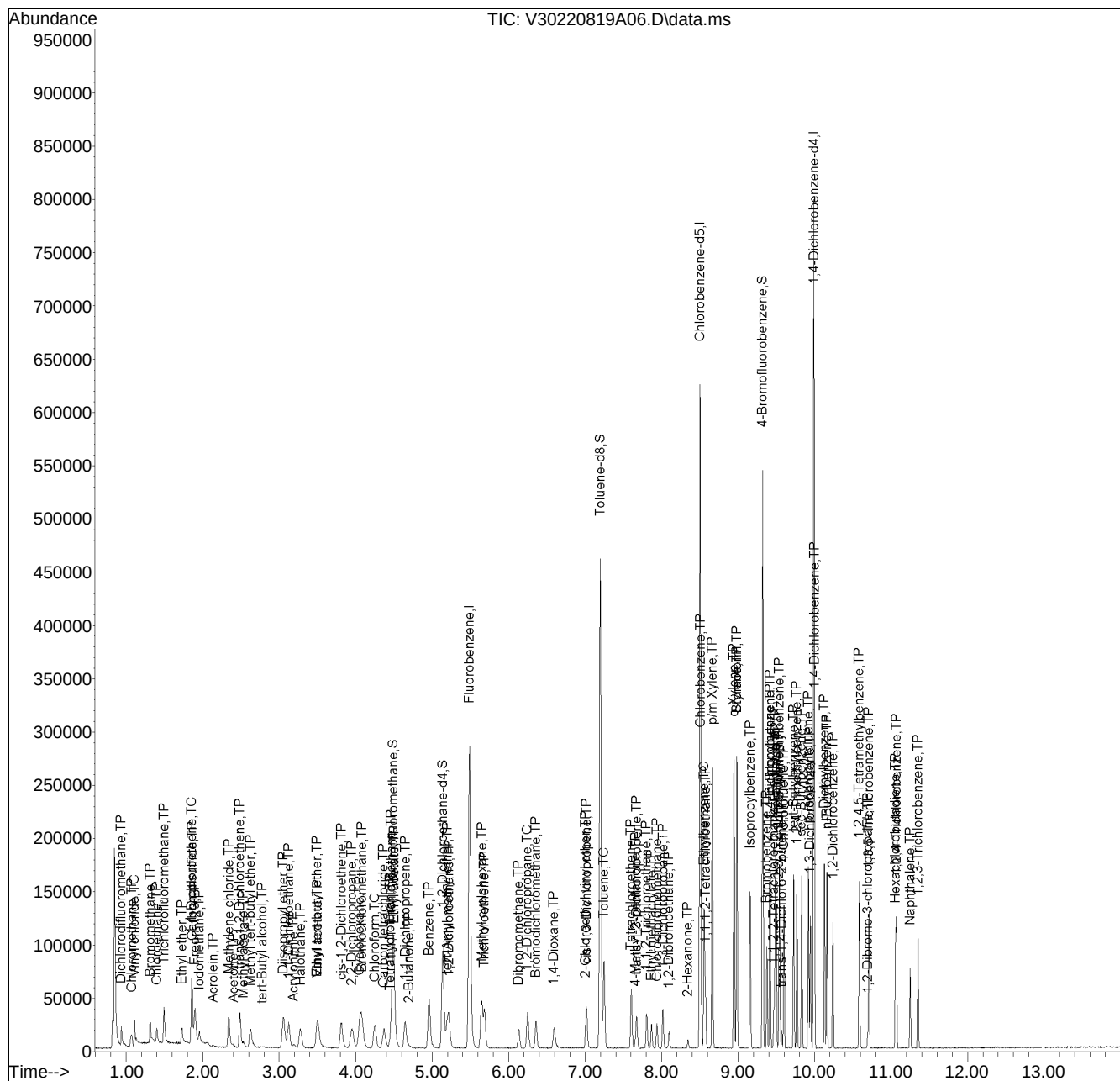
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
Data File : V30220819A06.D
Acq On : 19 Aug 2022 03:15 pm
Operator : VOA130:MKS
Sample : I8260STD2PPB
Misc : WG1678209
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 13:31:23 2022
Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:22:28 2022
Response via : Initial Calibration

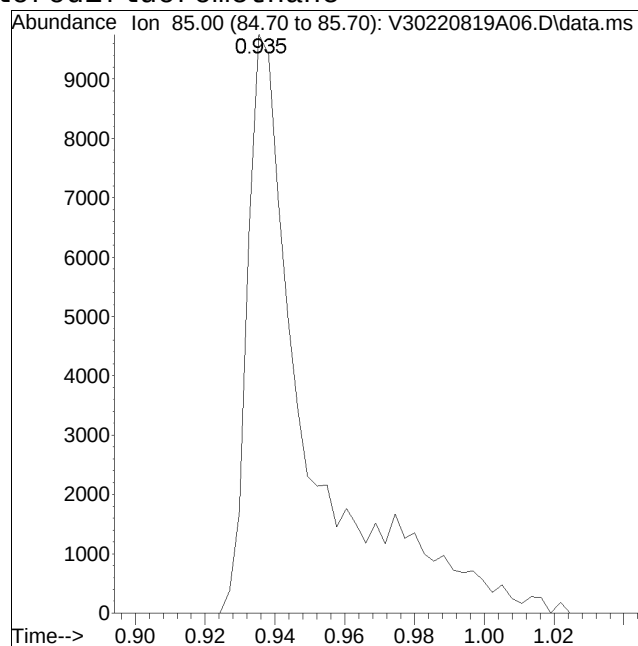
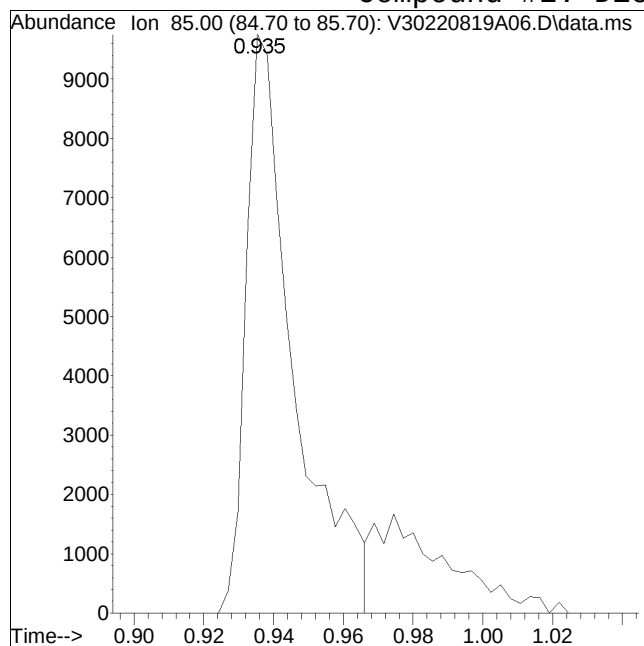
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 9299

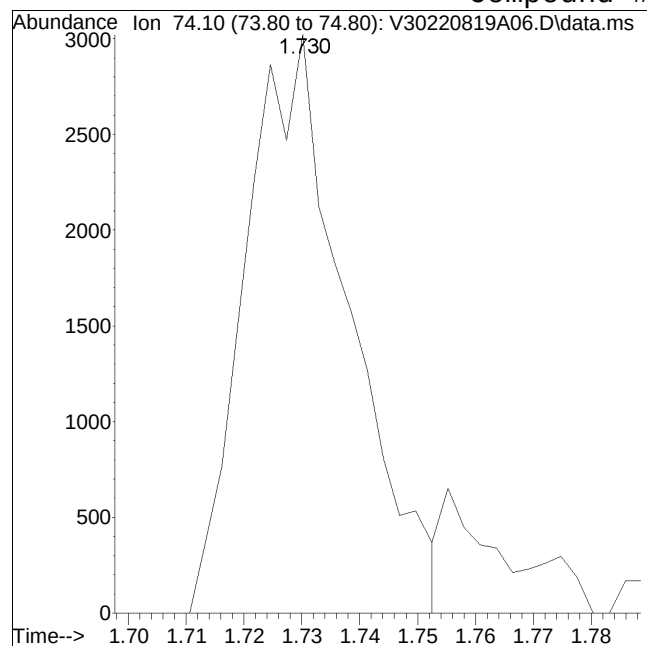
Manual Peak Response = 11718 M1

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

Manual Integration Report

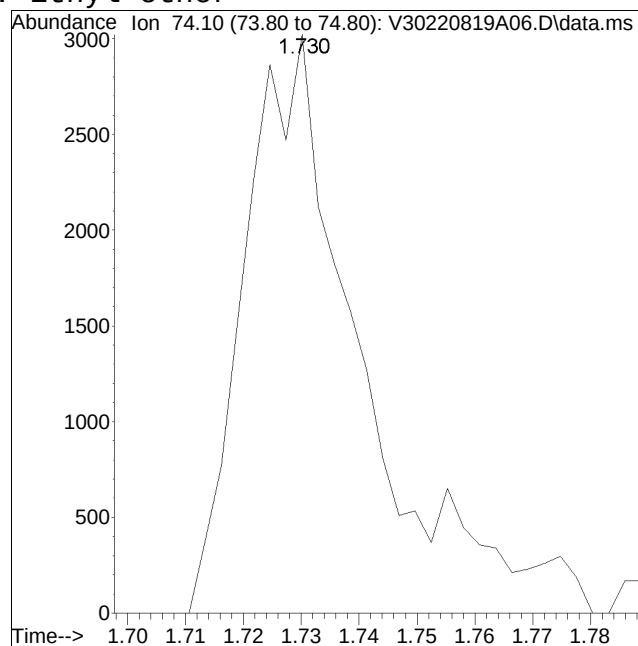
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #8: Ethyl ether



Original Peak Response = 3732

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

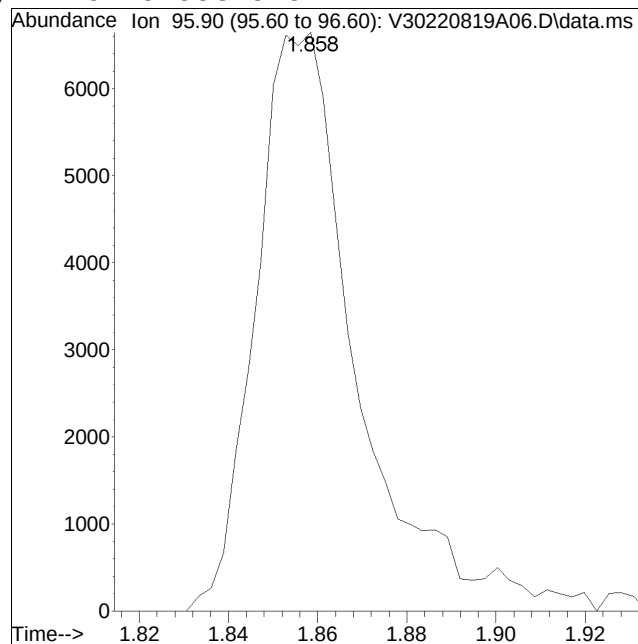
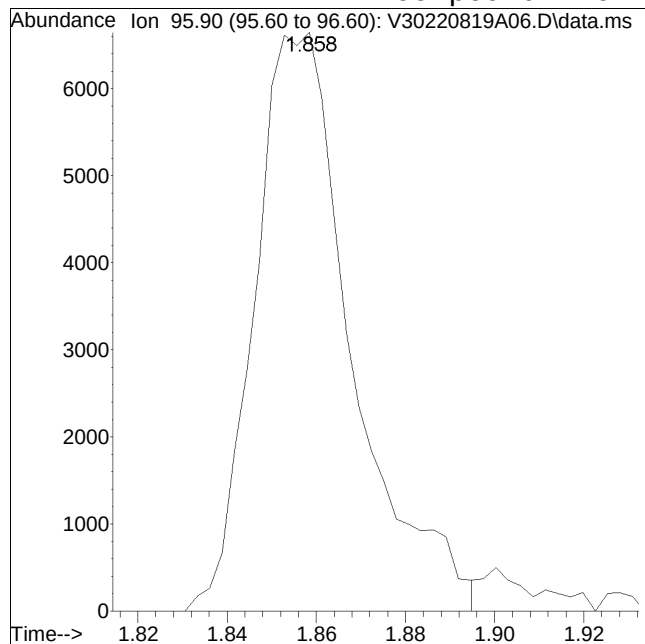


Manual Peak Response = 4230 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #10: 1,1-Dichloroethene



Original Peak Response = 10091

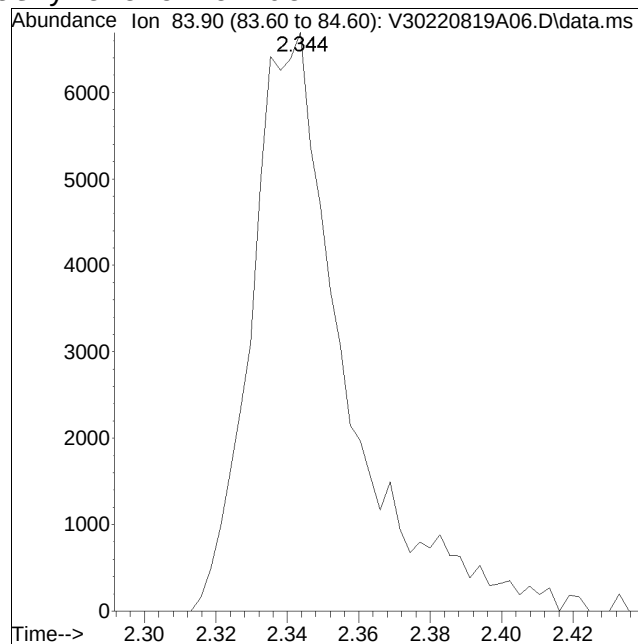
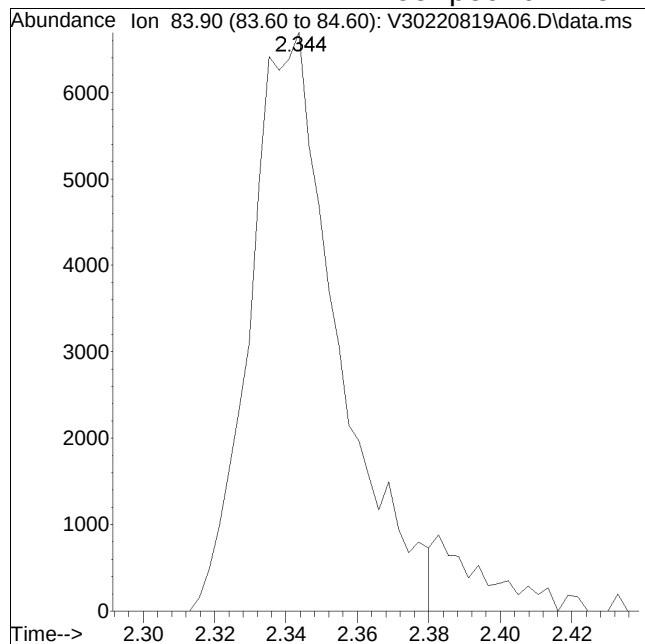
Manual Peak Response = 10508 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #15: Methylene chloride



Original Peak Response = 11346

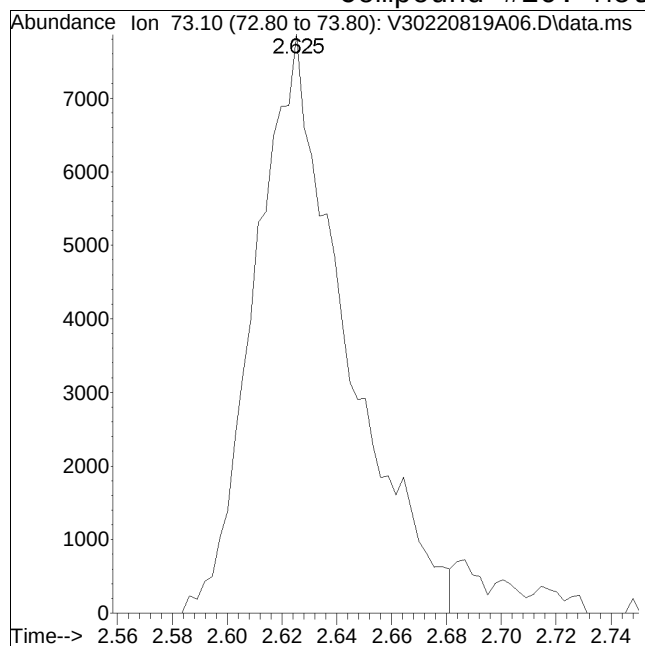
Manual Peak Response = 12237 M1

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

Manual Integration Report

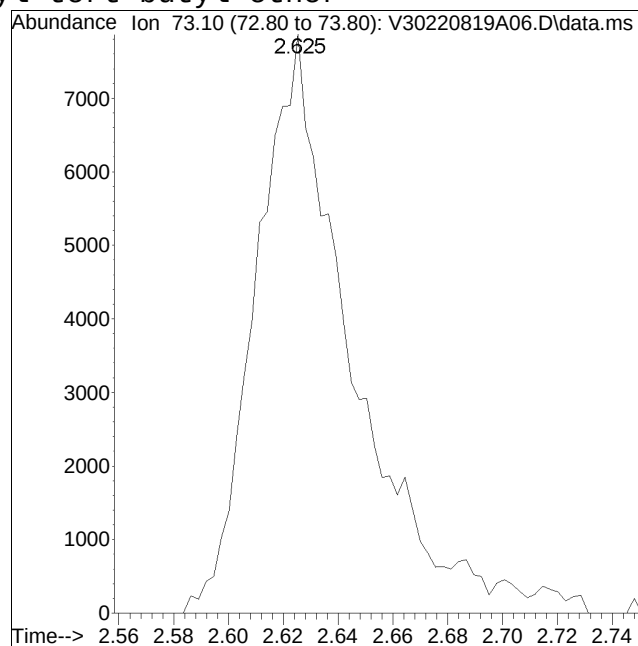
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 18101

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

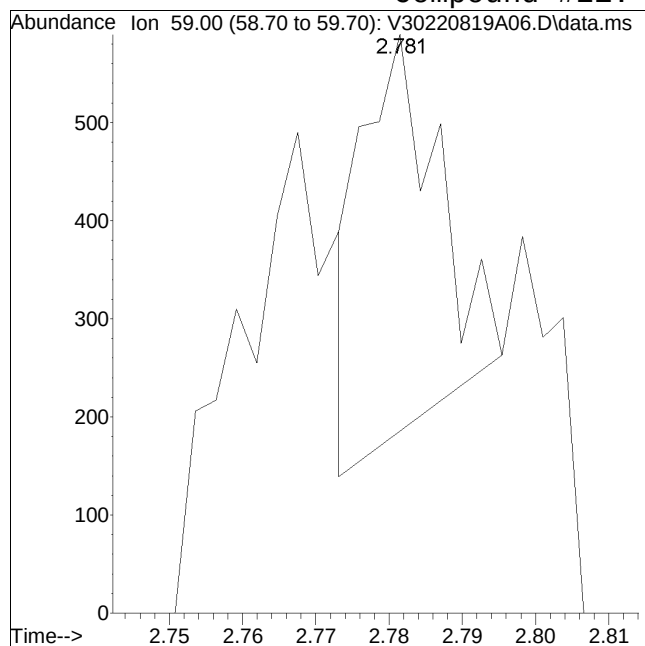


Manual Peak Response = 19159 M1

Manual Integration Report

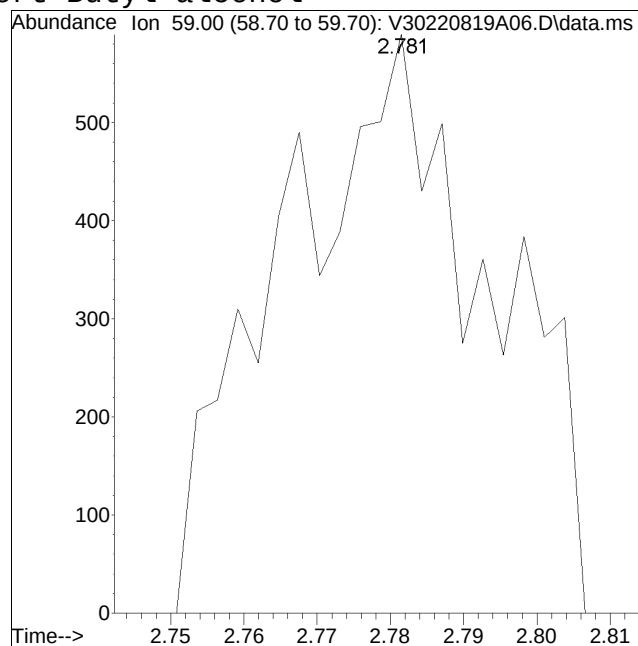
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 302

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

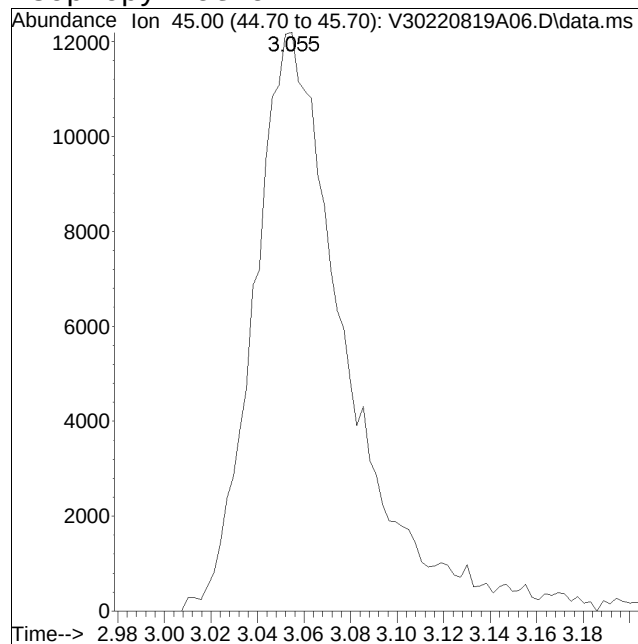
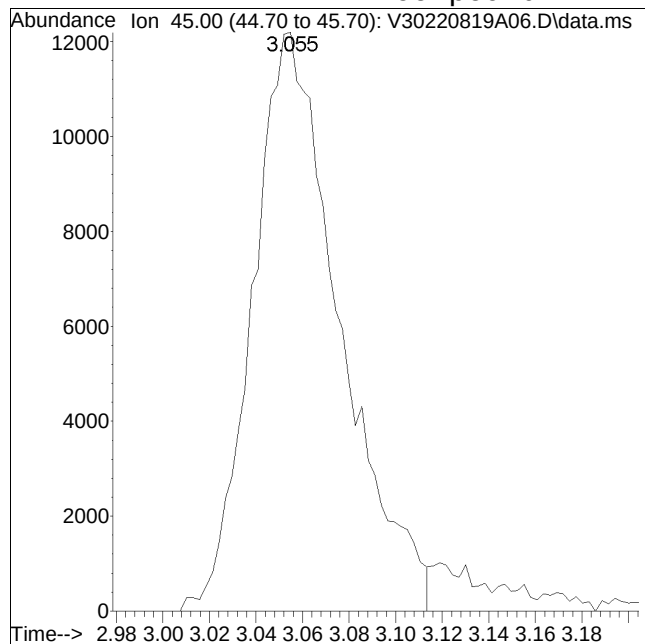


Manual Peak Response = 1171 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #22: Diisopropyl ether



Original Peak Response = 31682

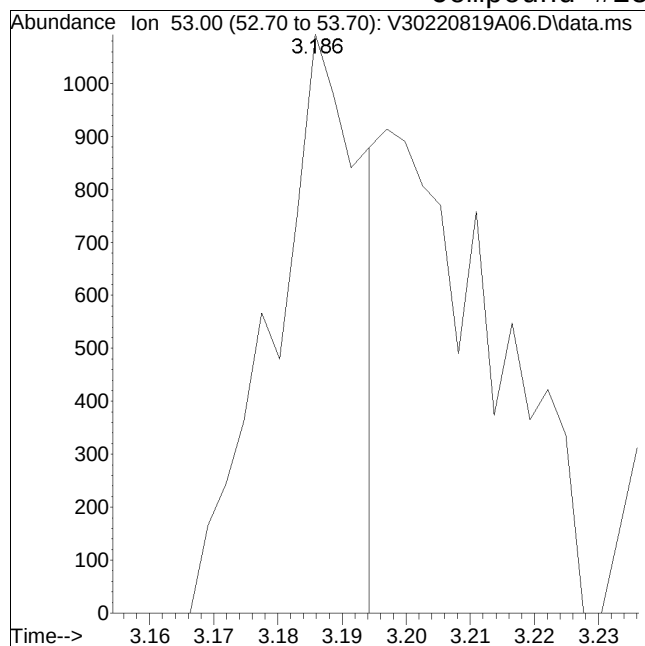
Manual Peak Response = 33817 M1

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

Manual Integration Report

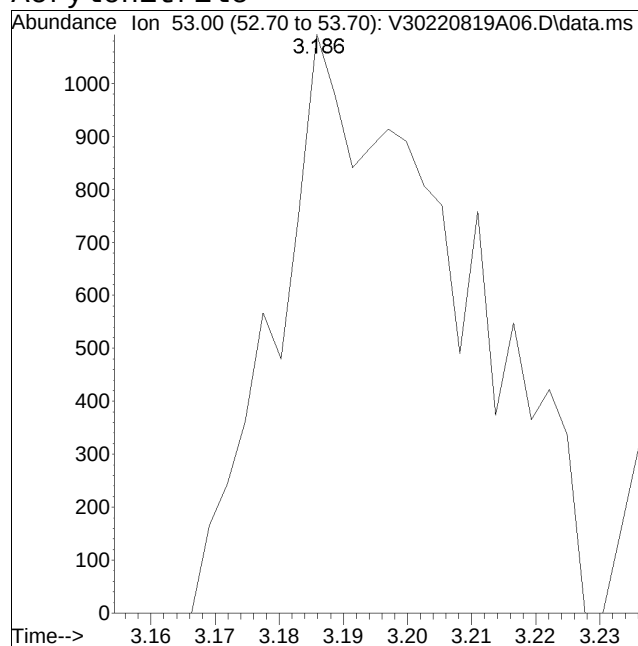
Data Path : I:\VOLATILES\VOA130\2022\20 Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #25: Acrylonitrile



Original Peak Response = 1065

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

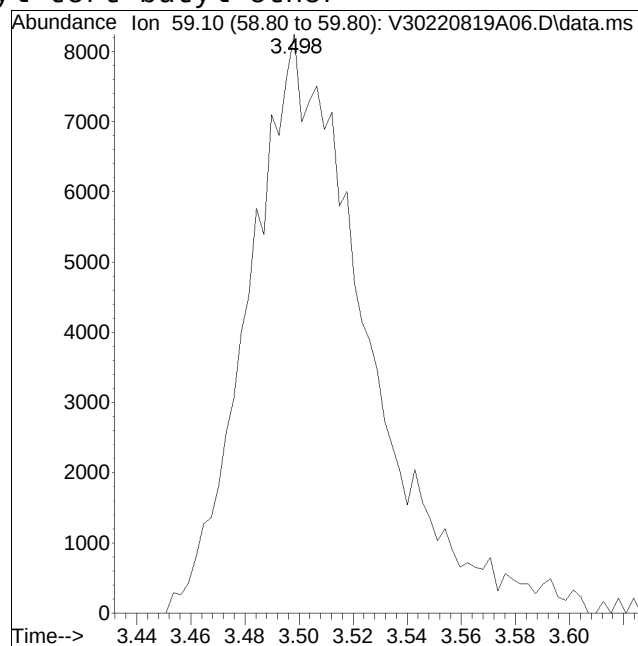
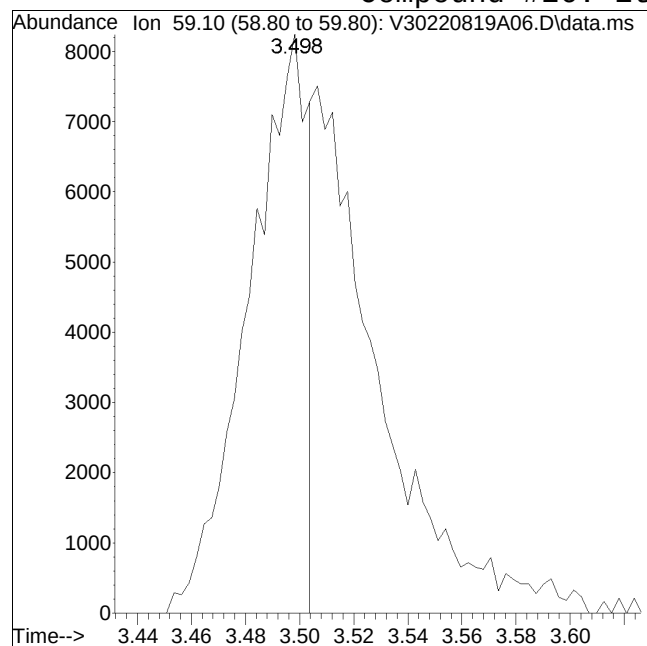


Manual Peak Response = 2183 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 12649

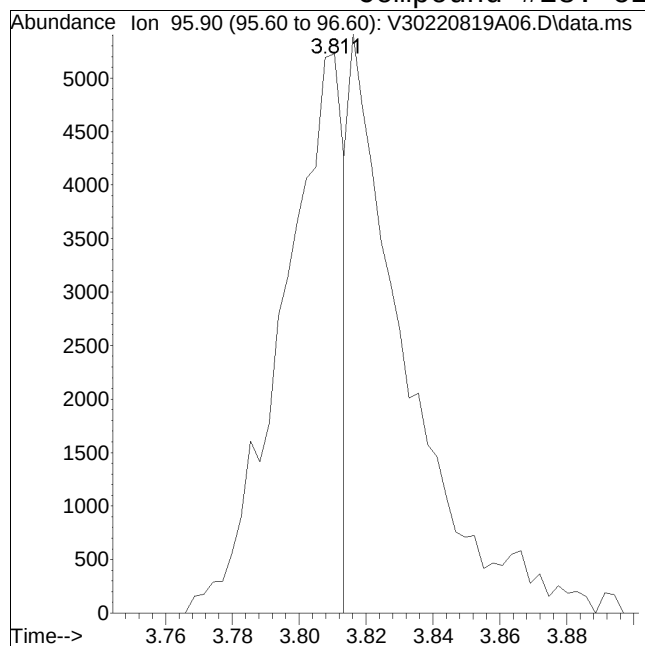
Manual Peak Response = 25045 M1

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

Manual Integration Report

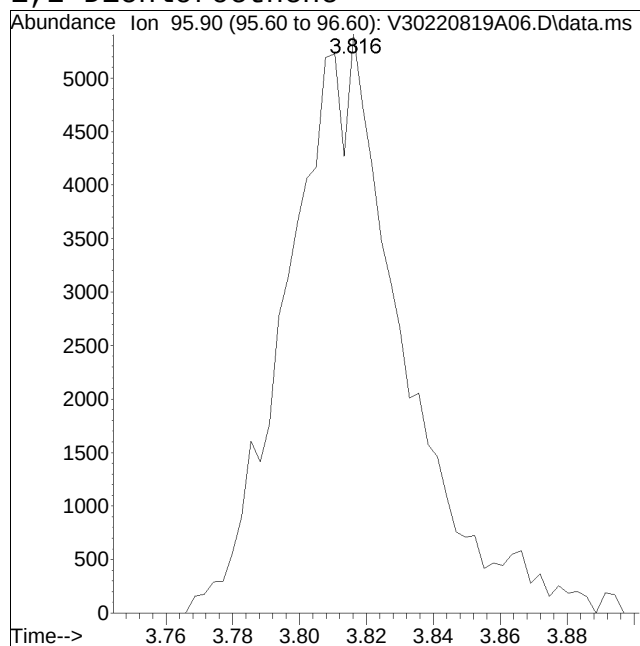
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 6634

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

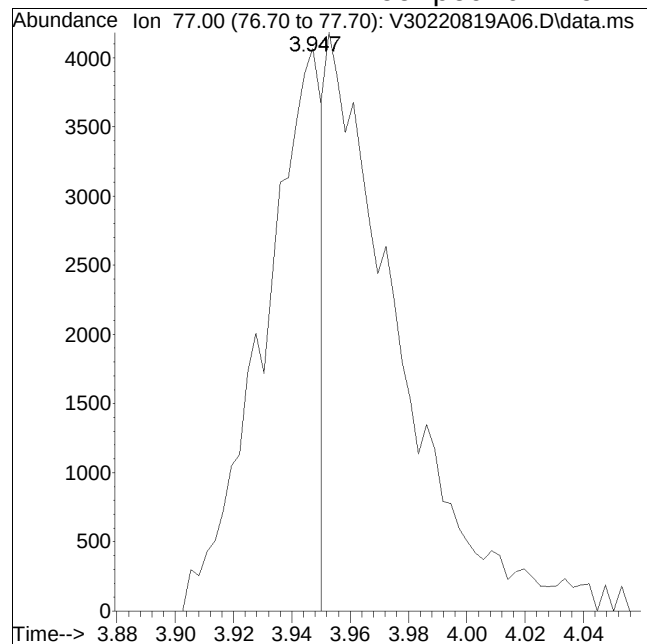


Manual Peak Response = 12990 M1

Manual Integration Report

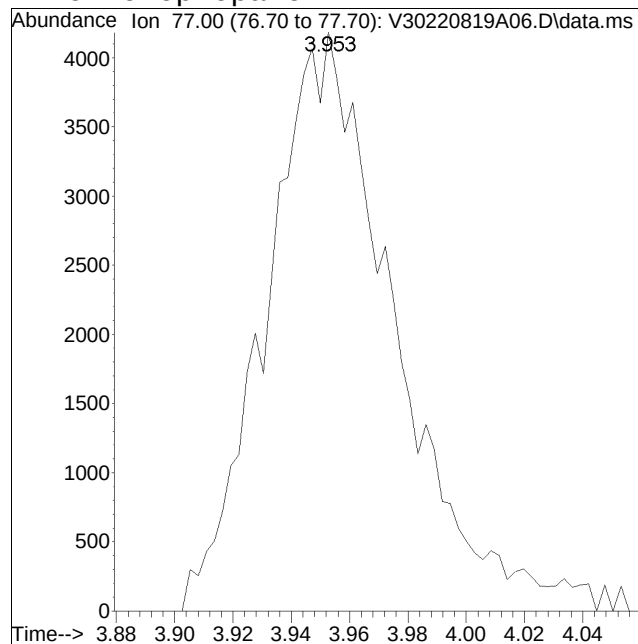
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 5631

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

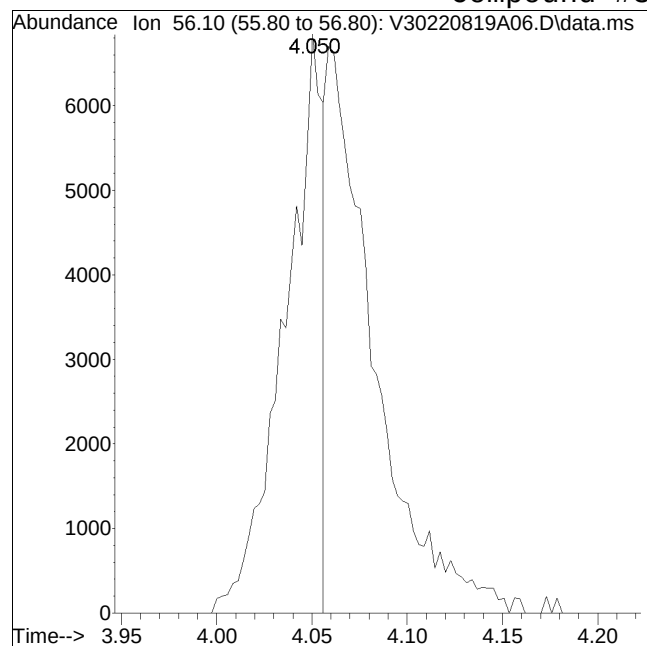


Manual Peak Response = 12696 M1

Manual Integration Report

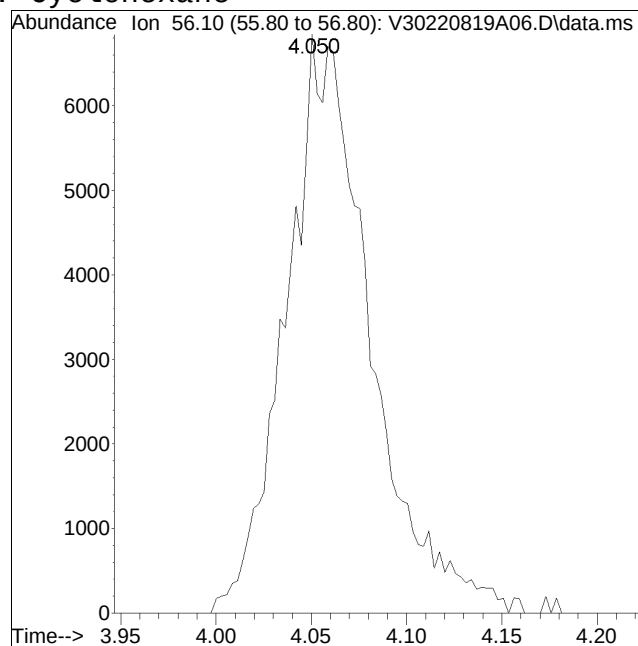
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #31: Cyclohexane



Original Peak Response = 9424

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



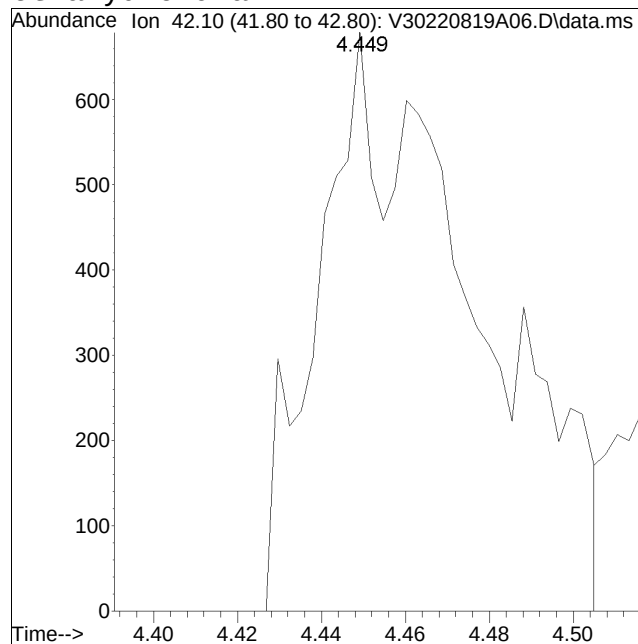
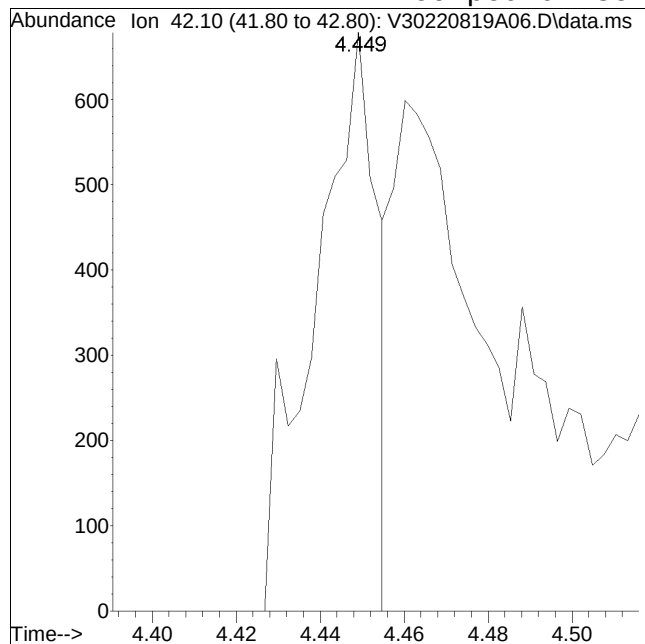
Manual Peak Response = 21065 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20
Data File : V30220819A06.D
Date Inj'd : 8/19/2022 3:15 pm
Sample : I8260STD2PPB

Method : VOA130_220819A_8260.m
Operator : VOA130:MKS
Instrument : VOA130
Quant Date : 8/22/2022 1:23 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 702

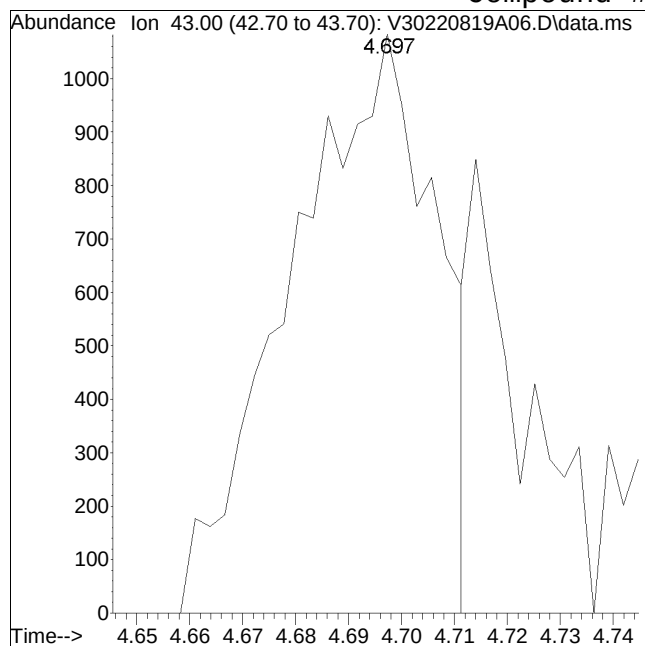
Manual Peak Response = 1777 M1

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

Manual Integration Report

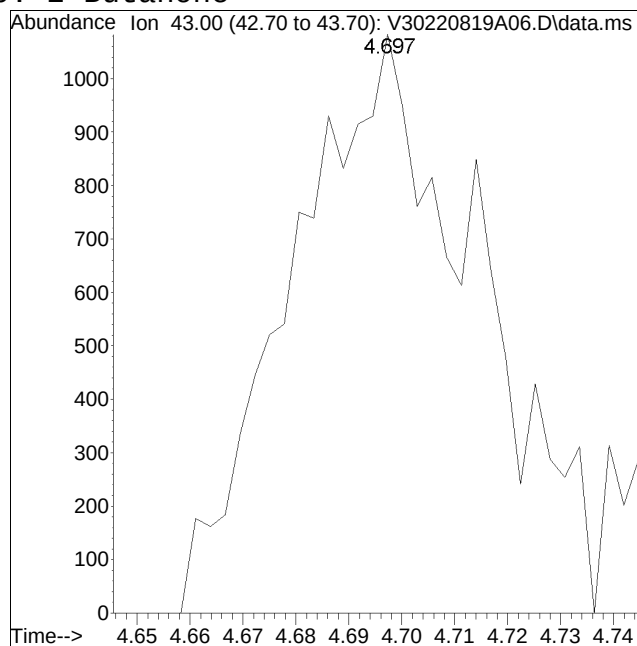
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #39: 2-Butanone



Original Peak Response = 2066

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



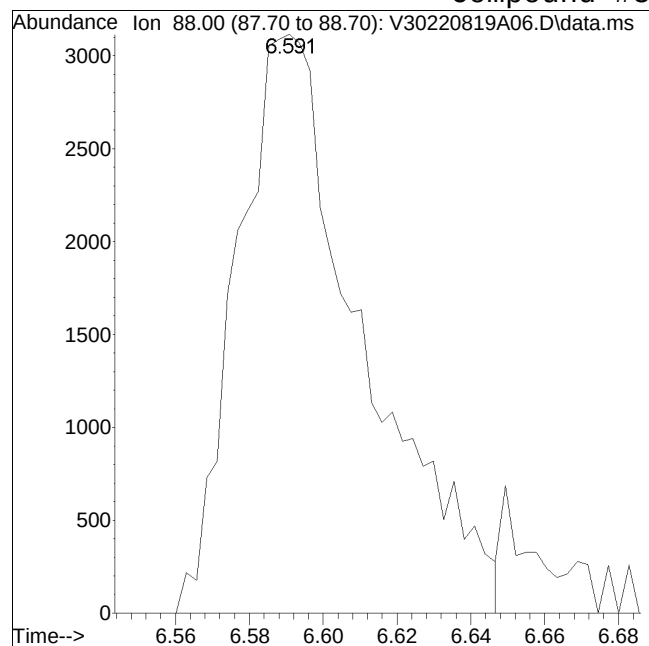
Manual Peak Response = 2650 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20
Data File : V30220819A06.D
Date Inj'd : 8/19/2022 3:15 pm
Sample : I8260STD2PPB

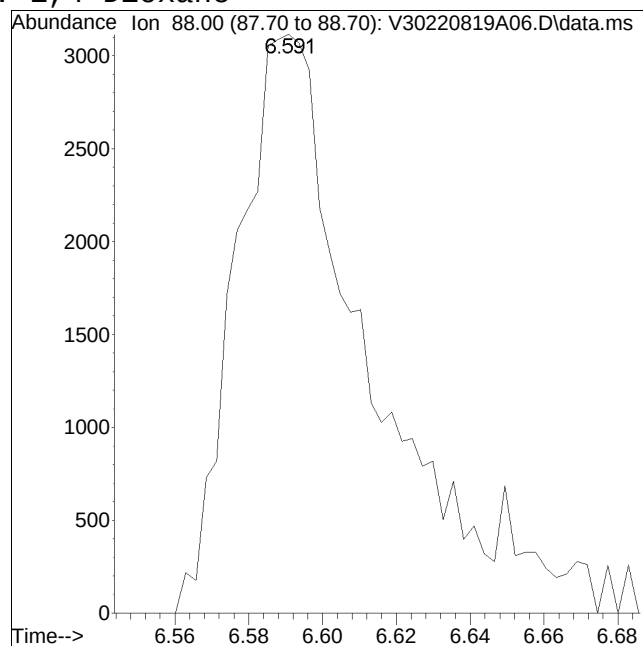
Method : VOA130_220819A_8260.m
Operator : VOA130:MKS
Instrument : VOA130
Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 7344

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



Manual Peak Response = 7819 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A08.D
 Acq On : 19 Aug 2022 03:54 pm
 Operator : VOA130:MKS
 Sample : I8260STD10PPB
 Misc : WG1678209
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 13:33:22 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:32 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.487	96	267936	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.501	117	196265	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	9.991	152	101565	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.491	113	70146	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.00%	
43) 1,2-Dichloroethane-d4	5.138	65	77334	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.00%	
60) Toluene-d8	7.196	98	257415	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.00%	
83) 4-Bromofluorobenzene	9.321	95	96691	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.936	85	60734	10.000	ug/L	86
3) Chloromethane	1.064	50	67468	10.000	ug/L	98
4) Vinyl chloride	1.109	62	68271	10.000	ug/L	96
5) Bromomethane	1.312	94	44776	10.000	ug/L	99
6) Chloroethane	1.399	64	41486	10.000	ug/L	97
7) Trichlorofluoromethane	1.494	101	104496M1	10.000	ug/L	
8) Ethyl ether	1.731	74	23492M1	10.000	ug/L	
10) 1,1-Dichloroethene	1.856	96	55478	10.000	ug/L	78
11) Carbon disulfide	1.859	76	134863	10.000	ug/L	100
12) Freon-113	1.901	101	63390M1	10.000	ug/L	
13) Iodomethane	1.954	142	56895	10.000	ug/L	93
14) Acrolein	2.135	56	5548	10.000	ug/L	96
15) Methylene chloride	2.341	84	58127	10.000	ug/L	81
17) Acetone	2.405	43	8545	10.000	ug/L	94
18) trans-1,2-Dichloroethene	2.486	96	59484	10.000	ug/L	83
19) Methyl acetate	2.534	43	23018	10.000	ug/L	96
20) Methyl tert-butyl ether	2.623	73	105877	10.000	ug/L	94
21) tert-Butyl alcohol	2.782	59	7421M3	50.000	ug/L	
22) Diisopropyl ether	3.052	45	183795	10.000	ug/L	92
23) 1,1-Dichloroethane	3.122	63	116712	10.000	ug/L	98
24) Halothane	3.273	117	45424	10.000	ug/L #	67

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A08.D
 Acq On : 19 Aug 2022 03:54 pm
 Operator : VOA130:MKS
 Sample : I8260STD10PPB
 Misc : WG1678209
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 13:33:22 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:32 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25)	Acrylonitrile	3.197	53	11491M1	10.000	ug/L	
26)	Ethyl tert-butyl ether	3.496	59	140372	10.000	ug/L	95
27)	Vinyl acetate	3.499	43	86748	10.000	ug/L #	91
28)	cis-1,2-Dichloroethene	3.808	96	65115	10.000	ug/L #	76
29)	2,2-Dichloropropane	3.956	77	70518	10.000	ug/L #	60
30)	Bromochloromethane	4.087	128	28009	10.000	ug/L #	67
31)	Cyclohexane	4.056	56	119016	10.000	ug/L	74
32)	Chloroform	4.249	83	113998	10.000	ug/L #	91
33)	Ethyl acetate	4.505	43	29178M1	10.000	ug/L	
34)	Carbon tetrachloride	4.369	117	83792	10.000	ug/L #	94
35)	Tetrahydrofuran	4.447	42	8758	10.000	ug/L #	75
37)	1,1,1-Trichloroethane	4.469	97	98288	10.000	ug/L #	98
39)	2-Butanone	4.692	43	12520	10.000	ug/L #	81
40)	1,1-Dichloropropene	4.648	75	83423	10.000	ug/L	97
41)	Benzene	4.960	78	240035	10.000	ug/L	93
42)	tert-Amyl methyl ether	5.194	73	111169	10.000	ug/L	94
44)	1,2-Dichloroethane	5.216	62	79877	10.000	ug/L	98
47)	Methyl cyclohexane	5.649	83	109562	10.000	ug/L	79
48)	Trichloroethene	5.682	95	65001	10.000	ug/L	98
50)	Dibromomethane	6.134	93	31703	10.000	ug/L	95
51)	1,2-Dichloropropane	6.245	63	61746	10.000	ug/L	97
53)	2-Chloroethyl vinyl ether	7.010	63	28513	10.000	ug/L	95
54)	Bromodichloromethane	6.360	83	81294	10.000	ug/L	99
57)	1,4-Dioxane	6.586	88	10809M1	500.000	ug/L	
58)	cis-1,3-Dichloropropene	7.018	75	82112	10.000	ug/L	98
61)	Toluene	7.247	92	150634	10.000	ug/L	97
62)	4-Methyl-2-pentanone	7.659	58	12193	10.000	ug/L #	91
63)	Tetrachloroethene	7.601	166	65268	10.000	ug/L	93
65)	trans-1,3-Dichloropropene	7.676	75	61127	10.000	ug/L	98
67)	Ethyl methacrylate	7.866	69	44031	10.000	ug/L	99
68)	1,1,2-Trichloroethane	7.804	83	34861	10.000	ug/L	95
69)	Chlorodibromomethane	7.938	129	50124	10.000	ug/L	99
70)	1,3-Dichloropropane	8.013	76	74326	10.000	ug/L	99
71)	1,2-Dibromoethane	8.097	107	39644	10.000	ug/L	98
72)	2-Hexanone	8.343	43	20285	10.000	ug/L	97
73)	Chlorobenzene	8.513	112	163377	10.000	ug/L	94
74)	Ethylbenzene	8.554	91	297835	10.000	ug/L	100
75)	1,1,1,2-Tetrachloroethane	8.571	131	52077	10.000	ug/L	97
76)	p/m Xylene	8.660	106	224989	20.000	ug/L	100
77)	o Xylene	8.945	106	216314	20.000	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A08.D
 Acq On : 19 Aug 2022 03:54 pm
 Operator : VOA130:MKS
 Sample : I8260STD10PPB
 Misc : WG1678209
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 13:33:22 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:32 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.984	104	354267	20.000	ug/L	93
80)	Bromoform	8.984	173	27770	10.000	ug/L	95
82)	Isopropylbenzene	9.157	105	295605	10.000	ug/L	98
84)	Bromobenzene	9.377	156	67191	10.000	ug/L	98
85)	n-Propylbenzene	9.416	91	360121	10.000	ug/L	98
86)	1,4-Dichlorobutane	9.419	55	73232	10.000	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.466	83	47203	10.000	ug/L	99
88)	4-Ethyltoluene	9.486	105	285795	10.000	ug/L	97
89)	2-Chlorotoluene	9.497	91	243657	10.000	ug/L	97
90)	1,3,5-Trimethylbenzene	9.539	105	246243	10.000	ug/L	94
91)	1,2,3-Trichloropropane	9.533	75	37742	10.000	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.570	53	12658	10.000	ug/L #	86
93)	4-Chlorotoluene	9.600	91	213000	10.000	ug/L	96
94)	tert-Butylbenzene	9.726	119	215326	10.000	ug/L	93
97)	1,2,4-Trimethylbenzene	9.768	105	239845	10.000	ug/L	97
98)	sec-Butylbenzene	9.829	105	330257	10.000	ug/L	99
99)	p-Isopropyltoluene	9.918	119	278841	10.000	ug/L	97
100)	1,3-Dichlorobenzene	9.946	146	134720	10.000	ug/L	98
101)	1,4-Dichlorobenzene	9.999	146	132687	10.000	ug/L	98
102)	p-Diethylbenzene	10.127	119	162514	10.000	ug/L	96
103)	n-Butylbenzene	10.161	91	259819	10.000	ug/L	99
104)	1,2-Dichlorobenzene	10.239	146	121793	10.000	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.582	119	241742	10.000	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	6065	10.000	ug/L	89
107)	1,3,5-Trichlorobenzene	10.710	180	106285	10.000	ug/L	94
108)	Hexachlorobutadiene	11.056	225	47988	10.000	ug/L	97
109)	1,2,4-Trichlorobenzene	11.070	180	89485	10.000	ug/L	98
110)	Naphthalene	11.248	128	158859	10.000	ug/L	100
111)	1,2,3-Trichlorobenzene	11.352	180	80096	10.000	ug/L	99

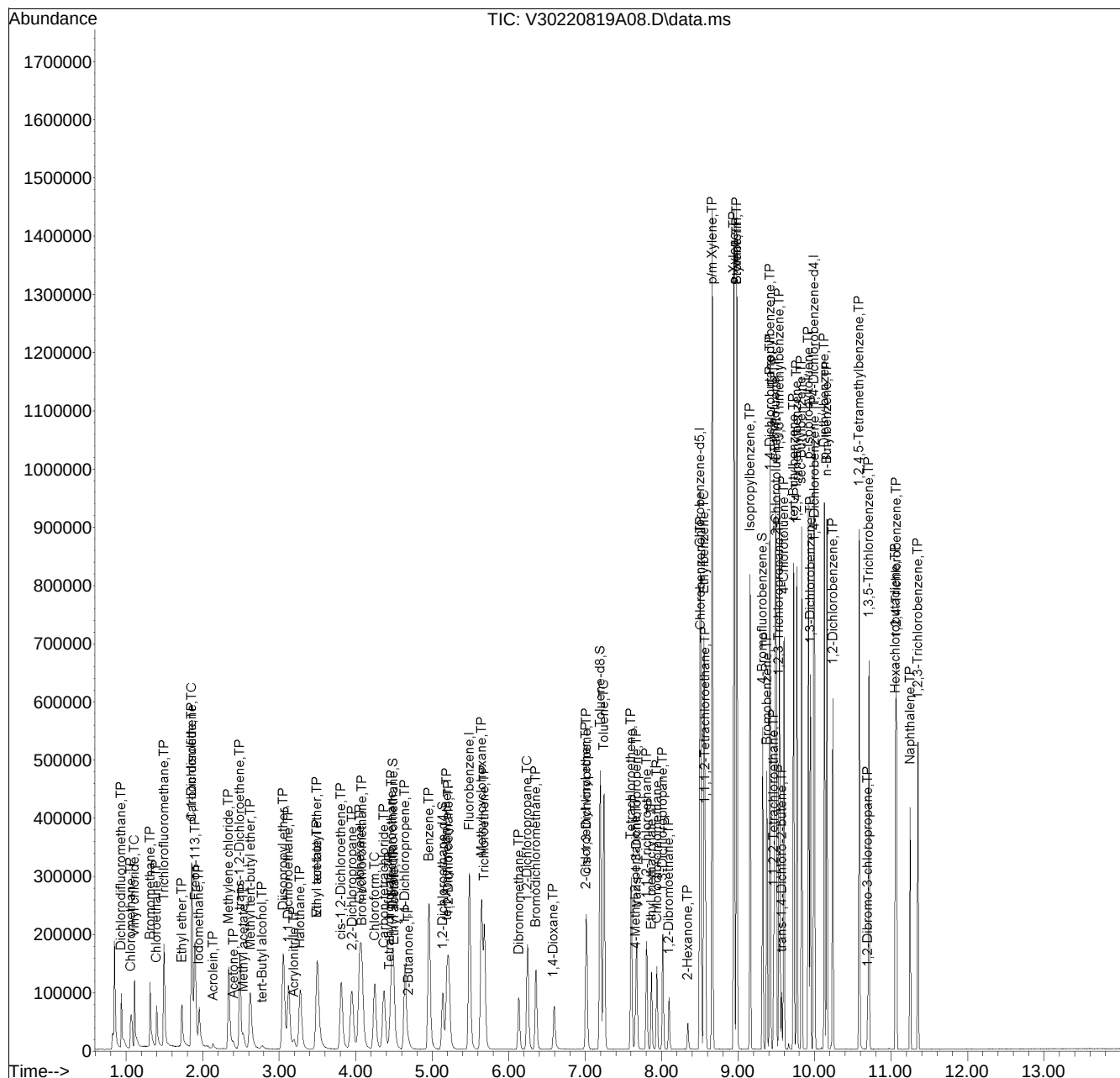
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
Data File : V30220819A08.D
Acq On : 19 Aug 2022 03:54 pm
Operator : VOA130:MKS
Sample : I8260STD10PPB
Misc : WG1678209
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 13:33:22 2022
Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:22:32 2022
Response via : Initial Calibration

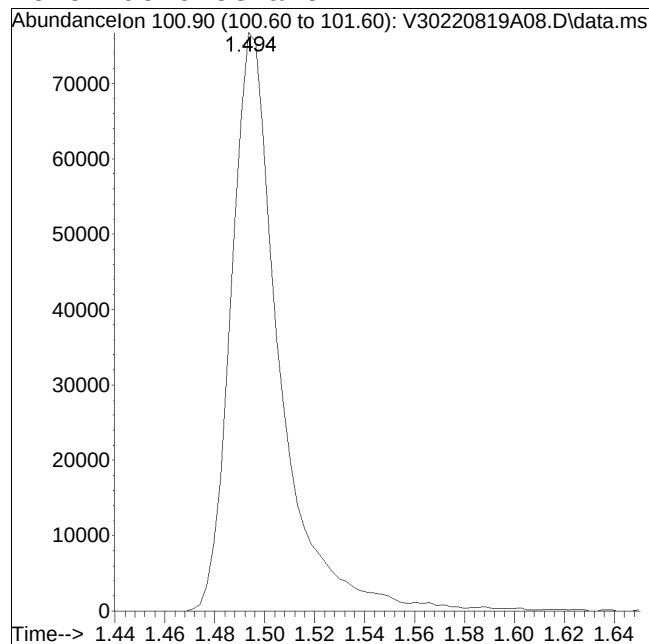
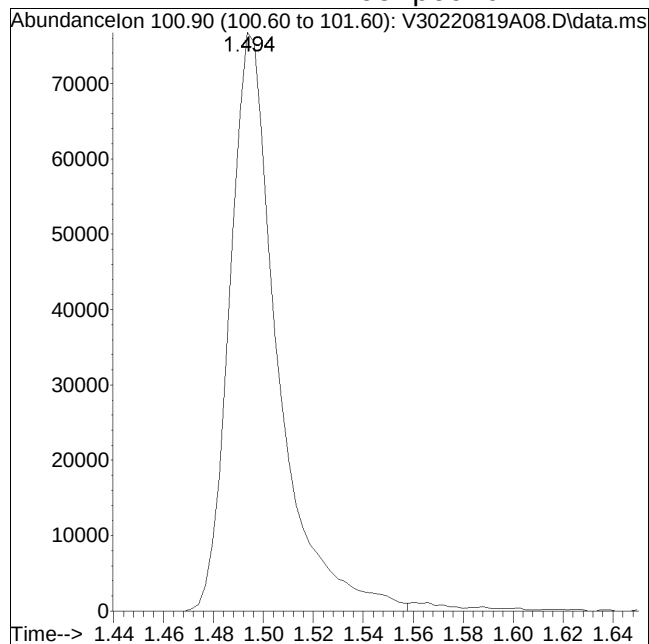
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #7: Trichlorofluoromethane



Original Peak Response = 102531

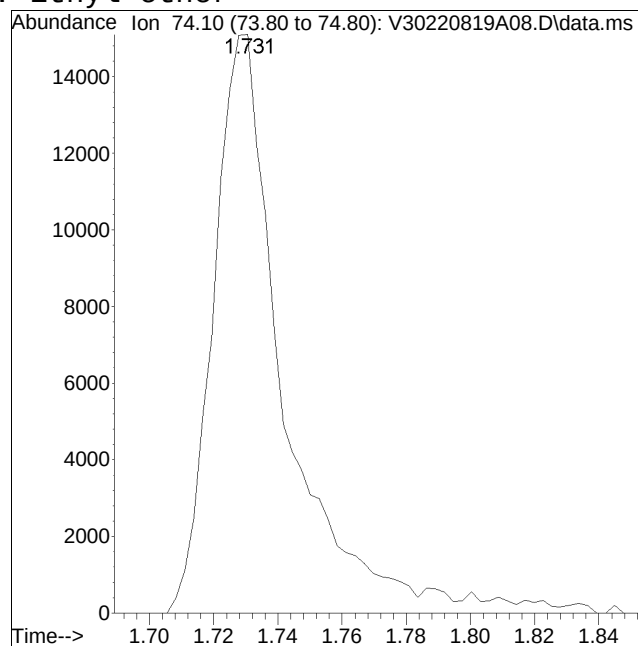
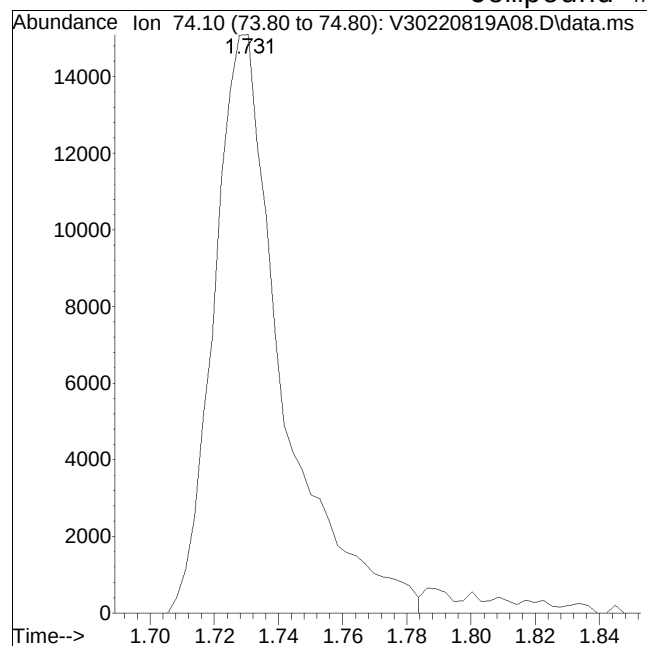
Manual Peak Response = 104496 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #8: Ethyl ether



Original Peak Response = 22400

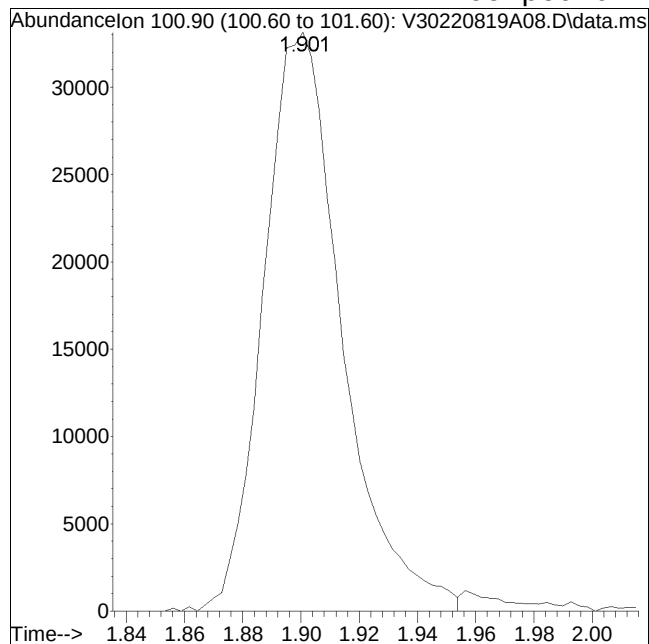
Manual Peak Response = 23492 M1

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

Manual Integration Report

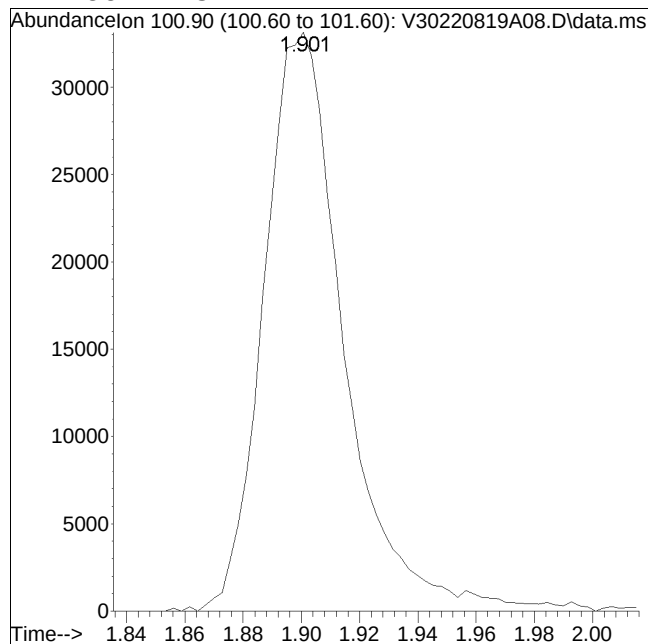
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #12: Freon-113



Original Peak Response = 61918

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

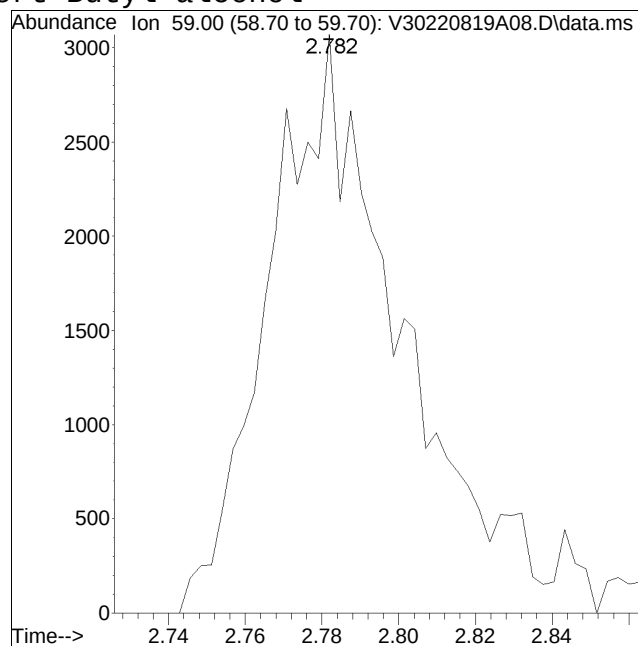
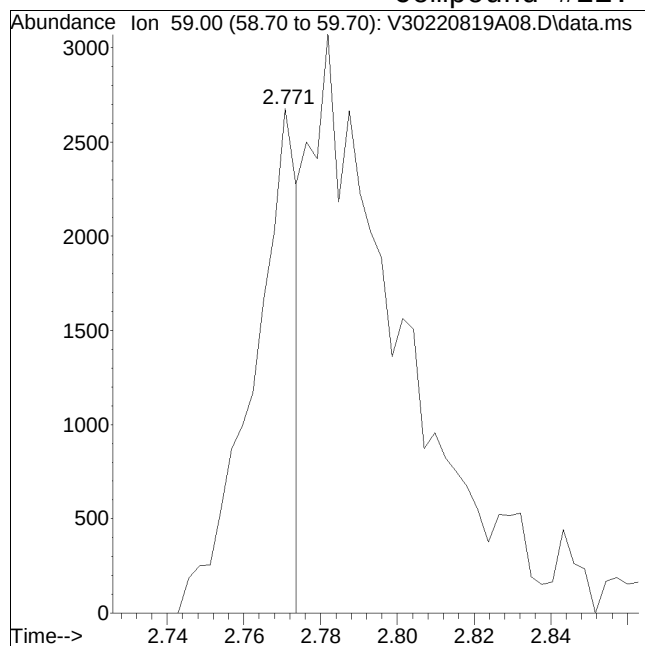


Manual Peak Response = 63390 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #21: tert-Butyl alcohol

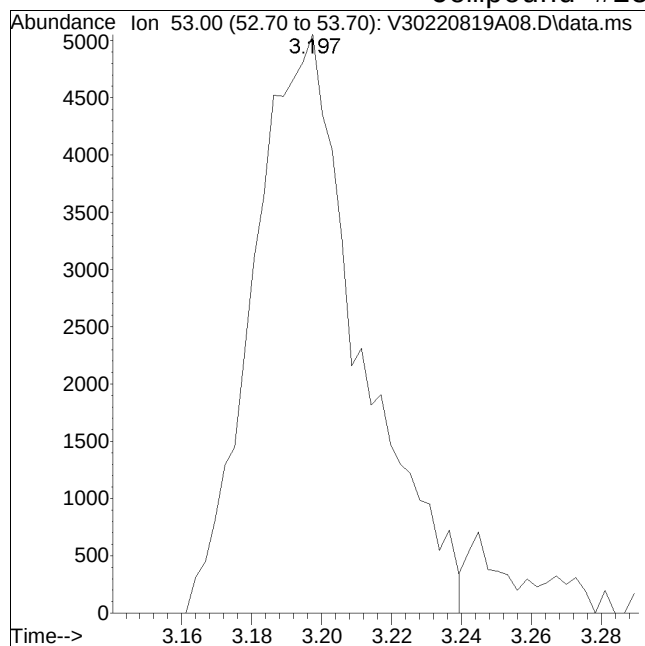


M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

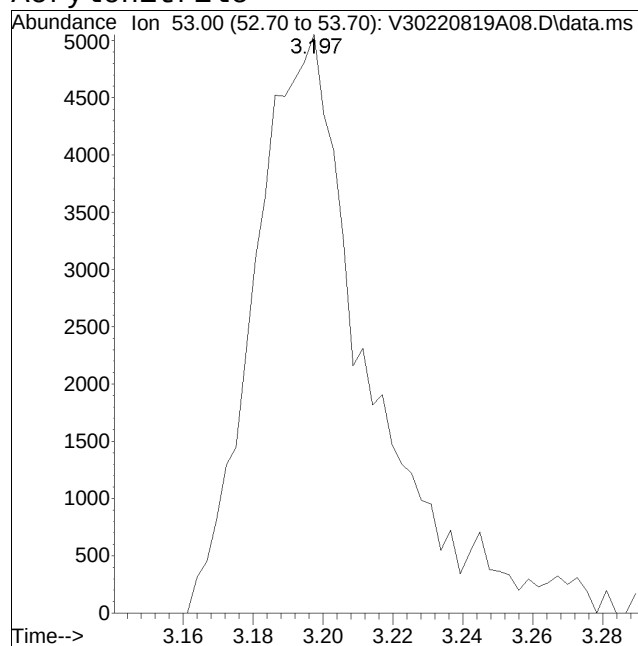
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #25: Acrylonitrile



Original Peak Response = 10757

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

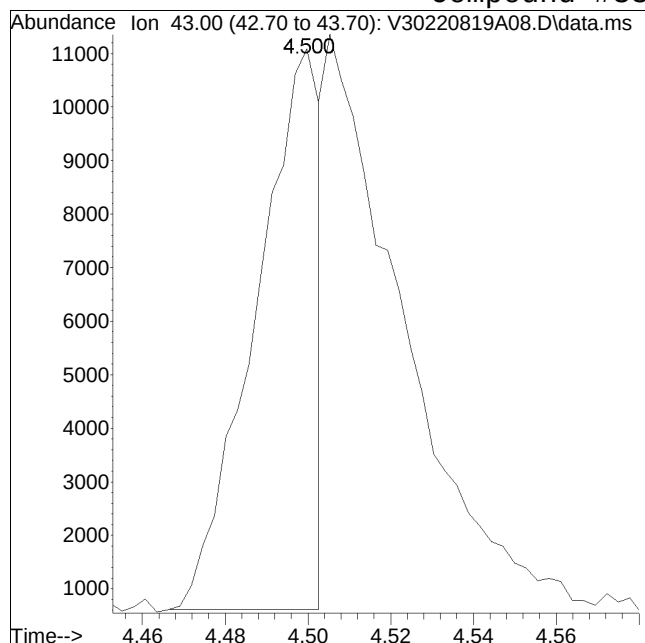


Manual Peak Response = 11491 M1

Manual Integration Report

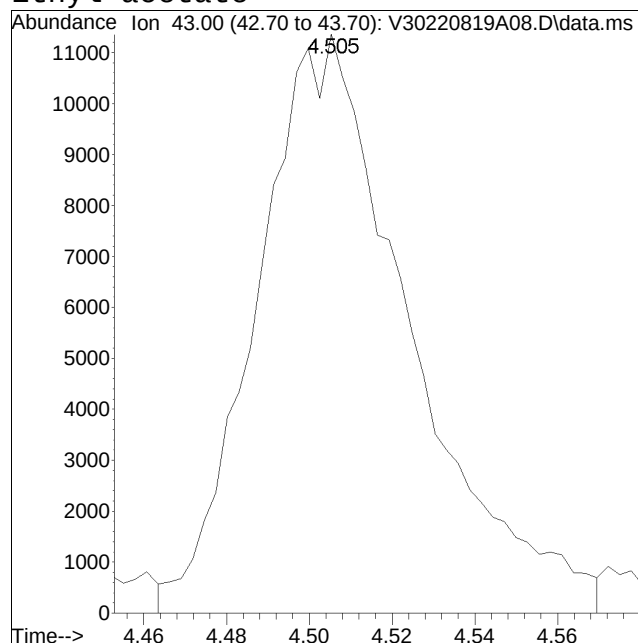
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #33: Ethyl acetate



Original Peak Response = 11262

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

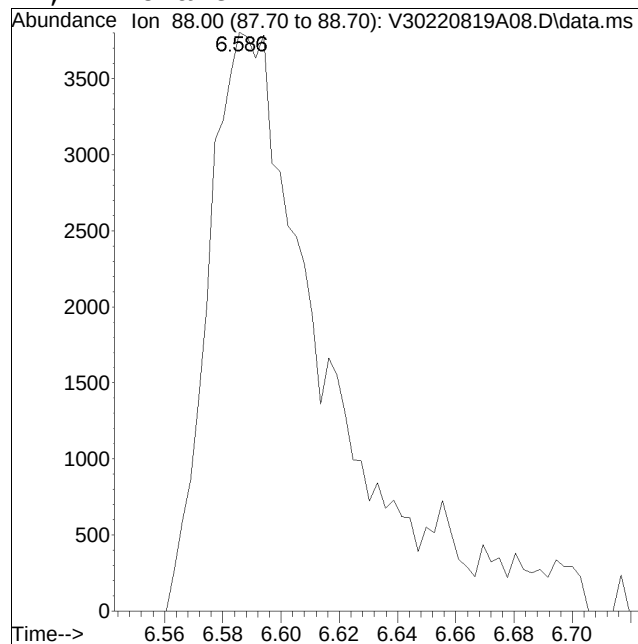
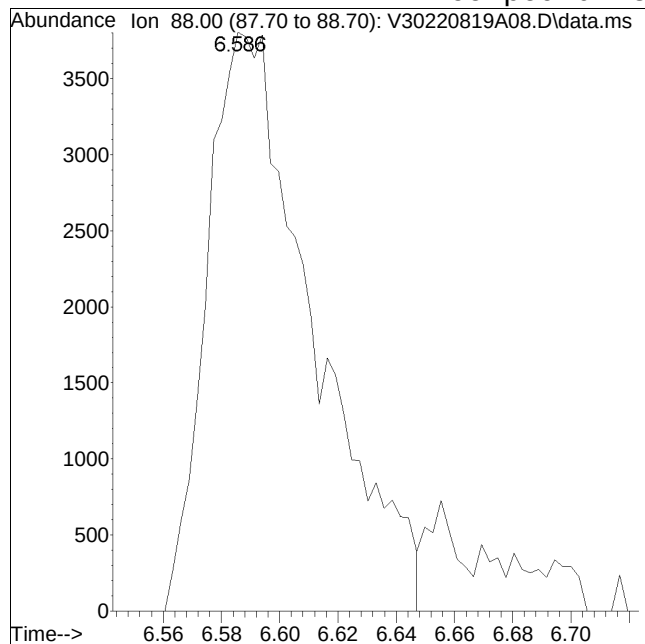


Manual Peak Response = 29178 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 9628

Manual Peak Response = 10809 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\220819AICAL\
 Data File : V30220819A09.D
 Acq On : 19 Aug 2022 04:14 pm
 Operator : VOA130:MKS
 Sample : I8260STD30PPB
 Misc : WG1678209
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 13:34:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.487	96	273855	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	102.21%	
59) Chlorobenzene-d5	8.501	117	201013	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	102.42%	
79) 1,4-Dichlorobenzene-d4	9.990	152	102035	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	100.46%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.488	113	69981	9.761	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.61%	
43) 1,2-Dichloroethane-d4	5.135	65	79152	10.014	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.14%	
60) Toluene-d8	7.199	98	261145	9.905	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.05%	
83) 4-Bromofluorobenzene	9.321	95	96504	9.935	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.35%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.936	85	153509	24.729	ug/L	99
3) Chloromethane	1.069	50	184407	26.742	ug/L	100
4) Vinyl chloride	1.109	62	179132	25.671	ug/L	96
5) Bromomethane	1.312	94	117780	25.736	ug/L	99
6) Chloroethane	1.399	64	114933	27.105	ug/L	97
7) Trichlorofluoromethane	1.493	101	269238	25.209	ug/L	96
8) Ethyl ether	1.728	74	71047M1	29.589	ug/L	
10) 1,1-Dichloroethene	1.856	96	144856	25.546	ug/L	79
11) Carbon disulfide	1.859	76	366899	26.617	ug/L	100
12) Freon-113	1.898	101	160359	24.750	ug/L	100
13) Iodomethane	1.954	142	180681	31.071	ug/L	92
14) Acrolein	2.132	56	16761M1	29.558	ug/L	
15) Methylene chloride	2.341	84	166686	28.056	ug/L	80
17) Acetone	2.402	43	24724	28.309	ug/L	98
18) trans-1,2-Dichloroethene	2.486	96	161269	26.525	ug/L	83
19) Methyl acetate	2.534	43	66705	28.353	ug/L	# 93
20) Methyl tert-butyl ether	2.620	73	332161	30.694	ug/L	96
21) tert-Butyl alcohol	2.773	59	24409M1	160.904	ug/L	
22) Diisopropyl ether	3.052	45	569086	30.294	ug/L	92
23) 1,1-Dichloroethane	3.122	63	324897	27.236	ug/L	99
24) Halothane	3.273	117	126906	27.334	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A09.D
 Acq On : 19 Aug 2022 04:14 pm
 Operator : VOA130:MKS
 Sample : I8260STD30PPB
 Misc : WG1678209
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 13:34:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.192	53	35239M1	30.004	ug/L	
26) Ethyl tert-butyl ether	3.498	59	453541	31.612	ug/L	94
27) Vinyl acetate	3.498	43	288368	32.524	ug/L	97
28) cis-1,2-Dichloroethene	3.811	96	182813	27.469	ug/L #	78
29) 2,2-Dichloropropane	3.947	77	211705	29.373	ug/L #	80
30) Bromochloromethane	4.084	128	82256	28.733	ug/L #	67
31) Cyclohexane	4.056	56	314752	25.875	ug/L	74
32) Chloroform	4.249	83	320419	27.500	ug/L	98
33) Ethyl acetate	4.505	43	95712M1	32.094	ug/L	
34) Carbon tetrachloride	4.369	117	233247	27.235	ug/L	99
35) Tetrahydrofuran	4.441	42	25777	28.796	ug/L #	87
37) 1,1,1-Trichloroethane	4.469	97	267451	26.623	ug/L #	98
39) 2-Butanone	4.684	43	39403	30.792	ug/L #	73
40) 1,1-Dichloropropene	4.645	75	227716	26.707	ug/L	97
41) Benzene	4.957	78	675753	27.544	ug/L	93
42) tert-Amyl methyl ether	5.197	73	364315	32.063	ug/L	96
44) 1,2-Dichloroethane	5.222	62	238314	29.190	ug/L	98
47) Methyl cyclohexane	5.646	83	298219	26.631	ug/L	79
48) Trichloroethene	5.685	95	180062	27.103	ug/L	99
50) Dibromomethane	6.134	93	93298	28.793	ug/L	96
51) 1,2-Dichloropropane	6.245	63	183003	28.997	ug/L	97
53) 2-Chloroethyl vinyl ether	7.009	63	88876	30.497	ug/L	95
54) Bromodichloromethane	6.354	83	244195	29.389	ug/L	98
57) 1,4-Dioxane	6.583	88	12750M1	577.039	ug/L	
58) cis-1,3-Dichloropropene	7.018	75	262640	31.294	ug/L	97
61) Toluene	7.246	92	427032	27.679	ug/L	97
62) 4-Methyl-2-pentanone	7.659	58	38278	30.652	ug/L #	89
63) Tetrachloroethene	7.603	166	177449	26.546	ug/L	94
65) trans-1,3-Dichloropropene	7.673	75	209384	33.445	ug/L	99
67) Ethyl methacrylate	7.865	69	147189	32.639	ug/L	98
68) 1,1,2-Trichloroethane	7.804	83	107815	30.197	ug/L	97
69) Chlorodibromomethane	7.938	129	160090	31.184	ug/L	98
70) 1,3-Dichloropropane	8.016	76	227470	29.881	ug/L	99
71) 1,2-Dibromoethane	8.097	107	123504	30.417	ug/L	99
72) 2-Hexanone	8.342	43	63607	30.616	ug/L	96
73) Chlorobenzene	8.512	112	469354	28.050	ug/L	92
74) Ethylbenzene	8.554	91	829484	27.193	ug/L	99
75) 1,1,1,2-Tetrachloroethane	8.571	131	165044	30.944	ug/L	95
76) p/m Xylene	8.663	106	632880	54.930	ug/L	99
77) o Xylene	8.945	106	614466	55.470	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A09.D
 Acq On : 19 Aug 2022 04:14 pm
 Operator : VOA130:MKS
 Sample : I8260STD30PPB
 Misc : WG1678209
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 13:34:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.984	104	1036343	57.124	ug/L	93
80)	Bromoform	8.984	173	91283	32.720	ug/L	98
82)	Isopropylbenzene	9.157	105	813238	27.384	ug/L	97
84)	Bromobenzene	9.377	156	197399	29.243	ug/L	99
85)	n-Propylbenzene	9.416	91	997436	27.570	ug/L	98
86)	1,4-Dichlorobutane	9.419	55	228551	31.065	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.466	83	143708	30.304	ug/L	100
88)	4-Ethyltoluene	9.486	105	816789	28.448	ug/L	98
89)	2-Chlorotoluene	9.497	91	688606	28.131	ug/L	98
90)	1,3,5-Trimethylbenzene	9.541	105	705927	28.536	ug/L	94
91)	1,2,3-Trichloropropane	9.536	75	116419	30.704	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.567	53	41853	32.912	ug/L	96
93)	4-Chlorotoluene	9.600	91	615705	28.773	ug/L	96
94)	tert-Butylbenzene	9.726	119	598565	27.670	ug/L	94
97)	1,2,4-Trimethylbenzene	9.767	105	693544	28.783	ug/L	96
98)	sec-Butylbenzene	9.832	105	905698	27.298	ug/L	99
99)	p-Isopropyltoluene	9.918	119	773279	27.604	ug/L	97
100)	1,3-Dichlorobenzene	9.946	146	382387	28.253	ug/L	99
101)	1,4-Dichlorobenzene	9.999	146	384810	28.868	ug/L	99
102)	p-Diethylbenzene	10.127	119	462562	28.332	ug/L	96
103)	n-Butylbenzene	10.161	91	722211	27.669	ug/L	99
104)	1,2-Dichlorobenzene	10.239	146	353288	28.874	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.582	119	715893	29.478	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	19771	32.448	ug/L	91
107)	1,3,5-Trichlorobenzene	10.710	180	304634	28.530	ug/L	94
108)	Hexachlorobutadiene	11.059	225	133485	27.688	ug/L	97
109)	1,2,4-Trichlorobenzene	11.070	180	263860	29.351	ug/L	99
110)	Naphthalene	11.248	128	481564	30.174	ug/L	100
111)	1,2,3-Trichlorobenzene	11.351	180	234353	29.124	ug/L	99

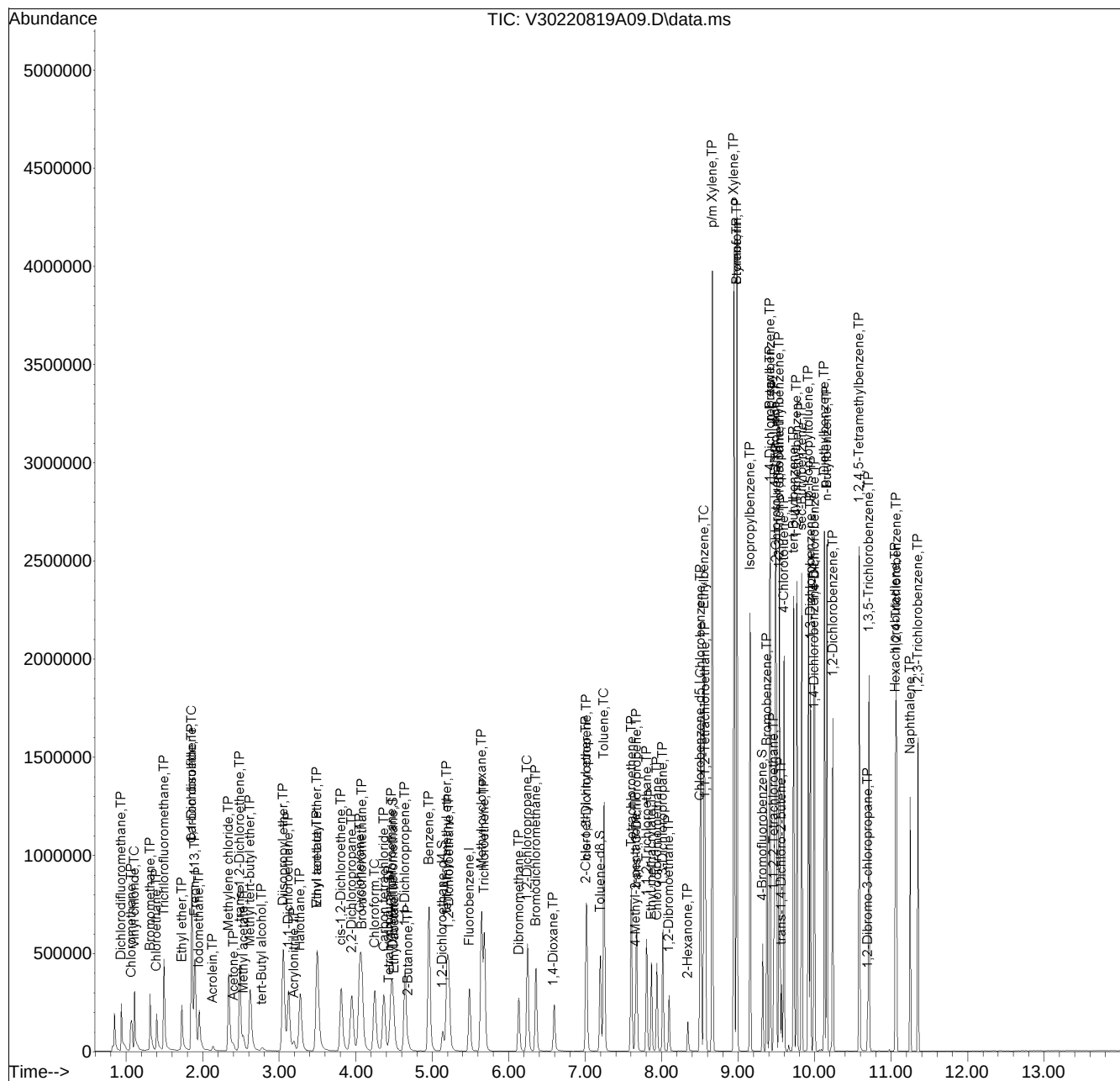
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
Data File : V30220819A09.D
Acq On : 19 Aug 2022 04:14 pm
Operator : VOA130:MKS
Sample : I8260STD30PPB
Misc : WG1678209
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 13:34:34 2022
Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:22:28 2022
Response via : Initial Calibration

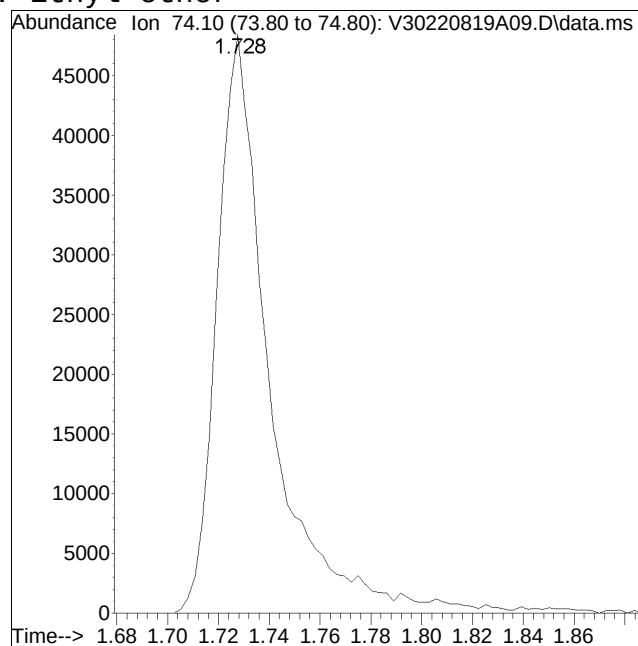
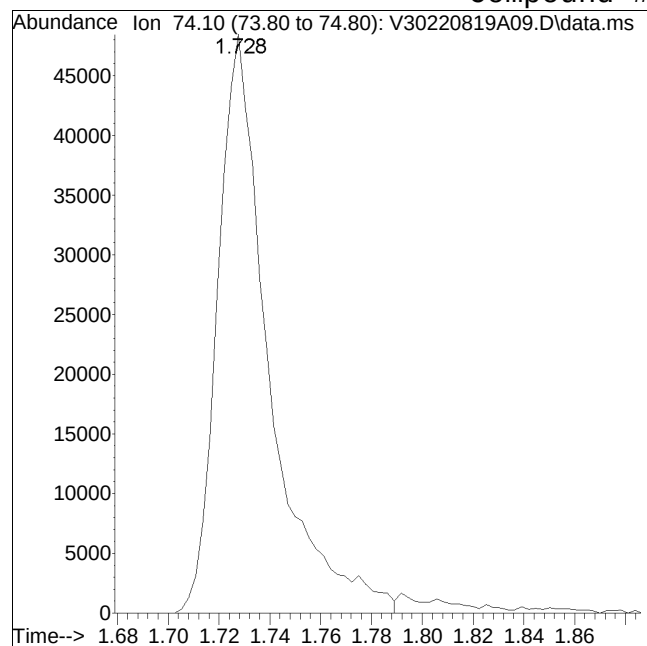
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #8: Ethyl ether



Original Peak Response = 68217

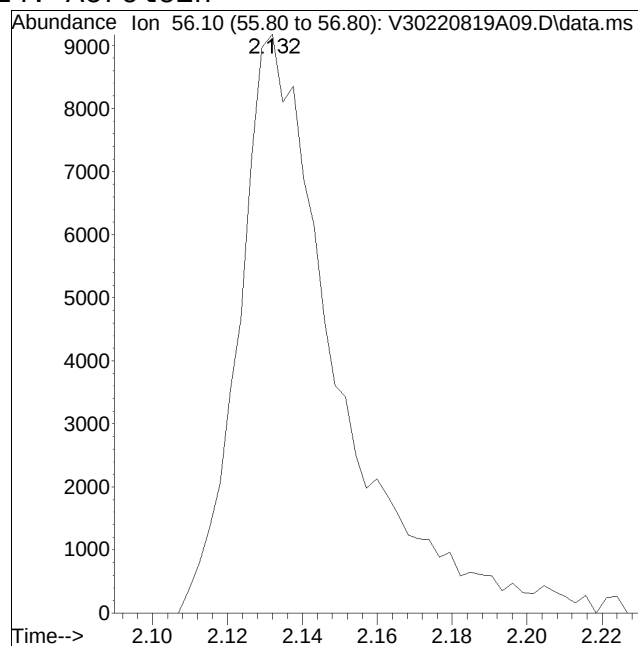
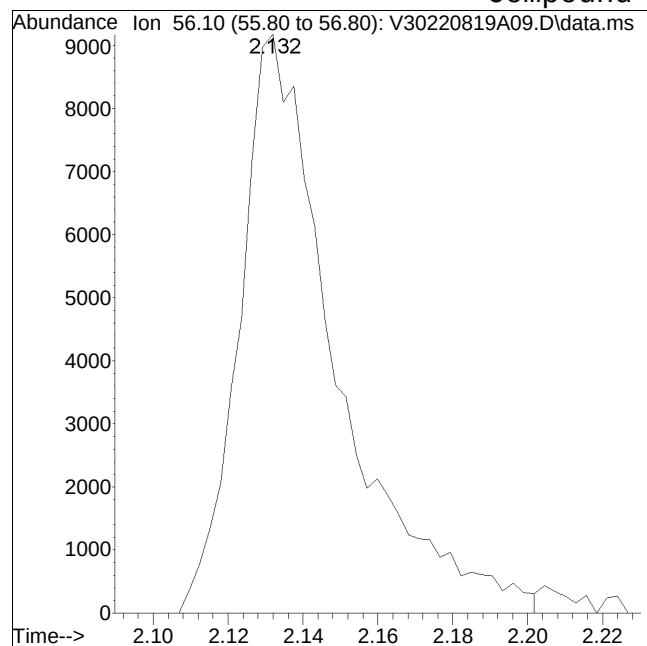
Manual Peak Response = 71047 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #14: Acrolein



Original Peak Response = 16513

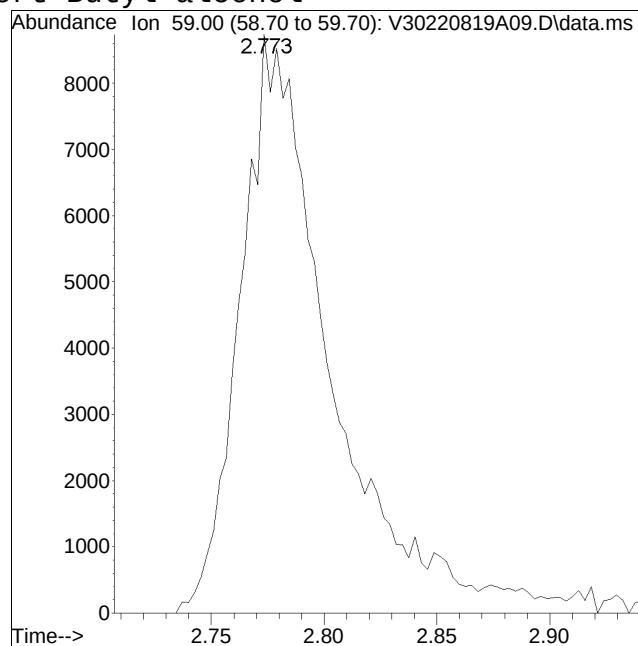
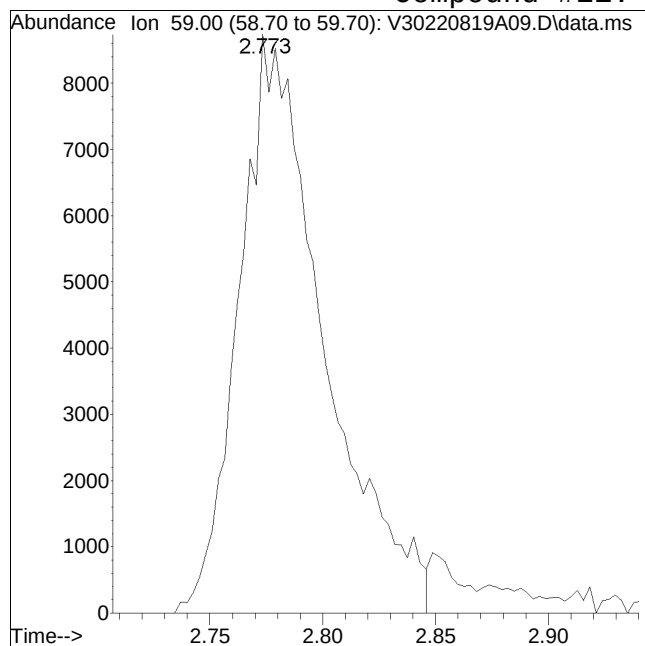
Manual Peak Response = 16761 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 22712

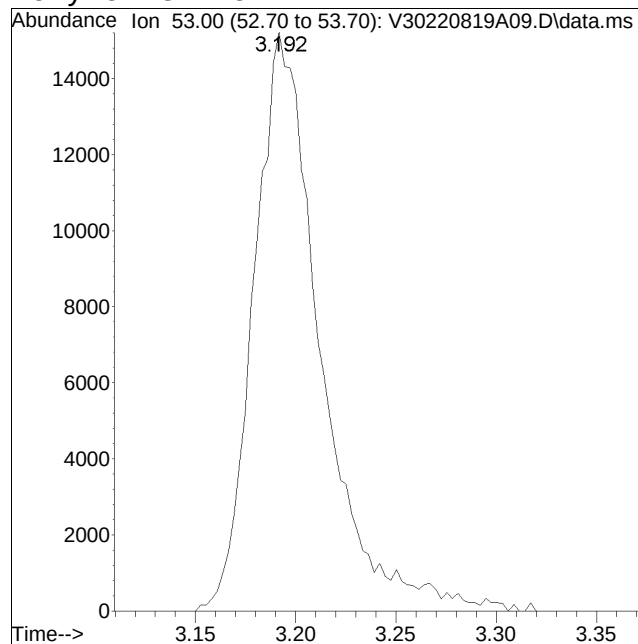
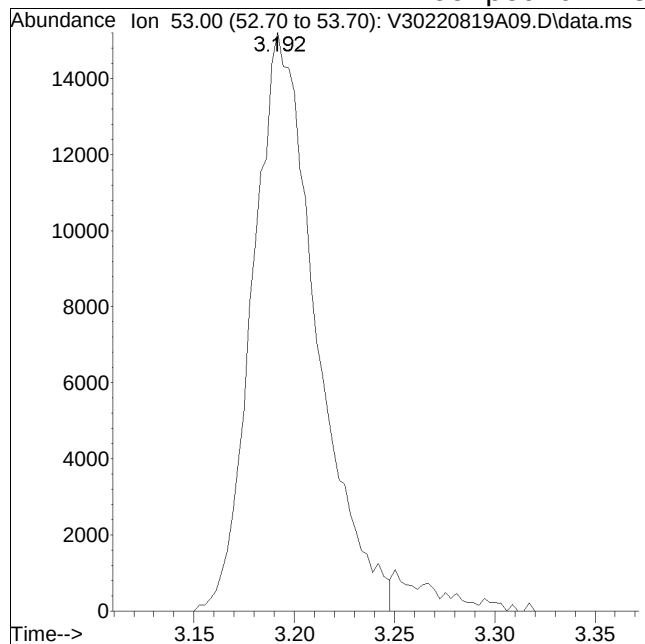
Manual Peak Response = 24409 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #25: Acrylonitrile



Original Peak Response = 33625

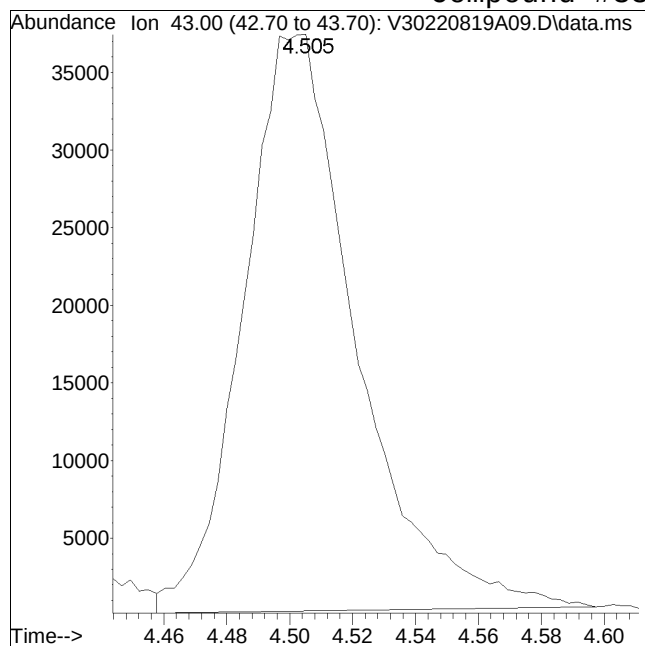
Manual Peak Response = 35239 M1

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

Manual Integration Report

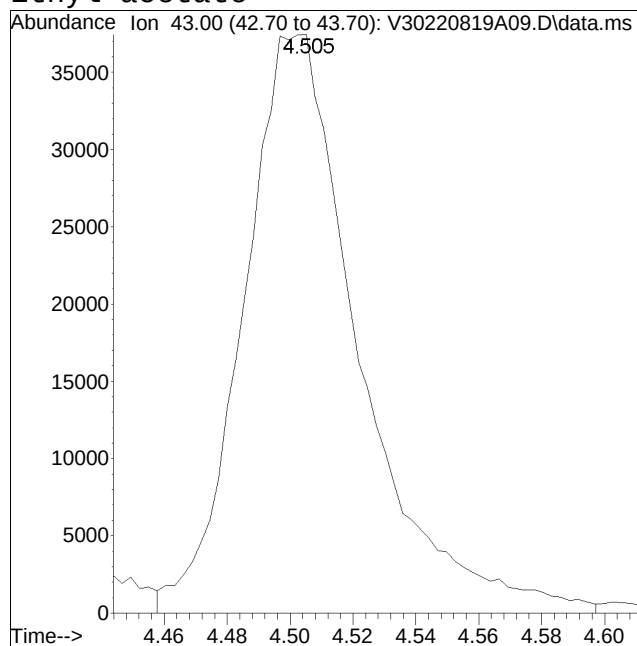
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #33: Ethyl acetate



Original Peak Response = 92546

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

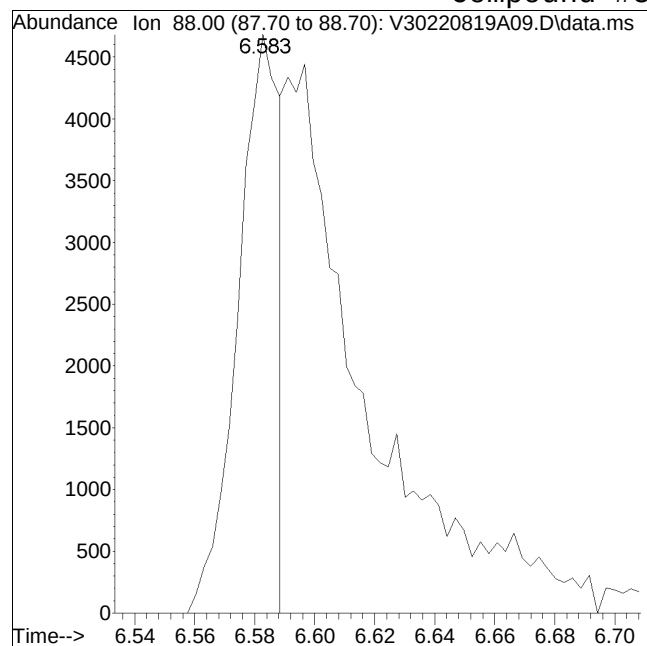


Manual Peak Response = 95712 M1

Manual Integration Report

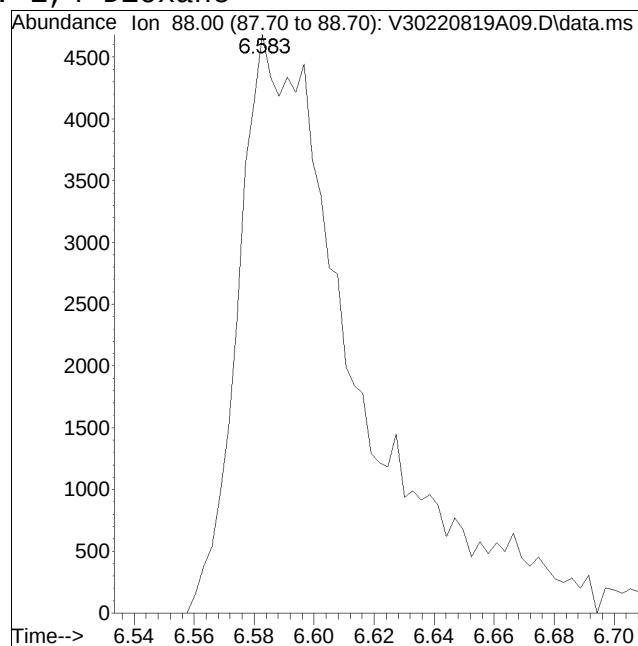
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 4506

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



Manual Peak Response = 12750 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A10.D
 Acq On : 19 Aug 2022 04:33 pm
 Operator : VOA130:MKS
 Sample : I8260STD80PPB
 Misc : WG1678209
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 13:35:17 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.487	96	274941	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	102.61%	
59) Chlorobenzene-d5	8.501	117	201862	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	102.85%	
79) 1,4-Dichlorobenzene-d4	9.991	152	104752	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	103.14%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.494	113	70389	9.779	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.79%	
43) 1,2-Dichloroethane-d4	5.135	65	80573	10.153	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.53%	
60) Toluene-d8	7.199	98	264890	10.005	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.05%	
83) 4-Bromofluorobenzene	9.321	95	98065	9.834	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.34%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.936	85	467104	74.950	ug/L	100
3) Chloromethane	1.070	50	520774	75.222	ug/L	100
4) Vinyl chloride	1.109	62	524292	74.839	ug/L	96
5) Bromomethane	1.312	94	325857	70.921	ug/L	98
6) Chloroethane	1.399	64	328406	77.144	ug/L	97
7) Trichlorofluoromethane	1.493	101	801790	74.774	ug/L	97
8) Ethyl ether	1.728	74	197207	81.808	ug/L	78
10) 1,1-Dichloroethene	1.856	96	423336	74.363	ug/L	78
11) Carbon disulfide	1.859	76	1047349	75.682	ug/L	99
12) Freon-113	1.898	101	486665	74.817	ug/L	99
13) Iodomethane	1.954	142	522483	89.493	ug/L	92
14) Acrolein	2.132	56	46753	82.123	ug/L	90
15) Methylene chloride	2.341	84	455430	76.355	ug/L	79
17) Acetone	2.403	43	68470	78.087	ug/L	99
18) trans-1,2-Dichloroethene	2.486	96	451759	74.011	ug/L	83
19) Methyl acetate	2.534	43	193956	82.116	ug/L	# 93
20) Methyl tert-butyl ether	2.620	73	959220	88.289	ug/L	96
21) tert-Butyl alcohol	2.776	59	73652M1	483.597	ug/L	
22) Diisopropyl ether	3.052	45	1633377	86.605	ug/L	92
23) 1,1-Dichloroethane	3.125	63	893919	74.640	ug/L	98
24) Halothane	3.273	117	364253	78.146	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A10.D
 Acq On : 19 Aug 2022 04:33 pm
 Operator : VOA130:MKS
 Sample : I8260STD80PPB
 Misc : WG1678209
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 13:35:17 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.192	53	98285	83.353	ug/L	97
26) Ethyl tert-butyl ether	3.496	59	1350474	93.756	ug/L	93
27) Vinyl acetate	3.498	43	889306	99.904	ug/L	97
28) cis-1,2-Dichloroethene	3.811	96	509888	76.311	ug/L #	77
29) 2,2-Dichloropropane	3.953	77	667063	92.185	ug/L	88
30) Bromochloromethane	4.084	128	225621	78.501	ug/L #	66
31) Cyclohexane	4.059	56	942201	77.149	ug/L	75
32) Chloroform	4.249	83	878178	75.072	ug/L	98
33) Ethyl acetate	4.497	43	277964M1	92.838	ug/L	
34) Carbon tetrachloride	4.369	117	712030	82.811	ug/L	99
35) Tetrahydrofuran	4.433	42	67706	75.338	ug/L #	62
37) 1,1,1-Trichloroethane	4.472	97	781870	77.522	ug/L #	97
39) 2-Butanone	4.684	43	114849	89.395	ug/L #	80
40) 1,1-Dichloropropene	4.645	75	664818	77.662	ug/L	97
41) Benzene	4.960	78	1897356	77.031	ug/L	94
42) tert-Amyl methyl ether	5.194	73	1099571	96.390	ug/L	97
44) 1,2-Dichloroethane	5.219	62	660213	80.548	ug/L	98
47) Methyl cyclohexane	5.649	83	915158	81.401	ug/L #	79
48) Trichloroethene	5.682	95	511140	76.632	ug/L	99
50) Dibromomethane	6.134	93	265210	81.523	ug/L	96
51) 1,2-Dichloropropane	6.248	63	512980	80.962	ug/L	97
53) 2-Chloroethyl vinyl ether	7.009	63	260517	89.040	ug/L	94
54) Bromodichloromethane	6.357	83	687067	82.363	ug/L	98
57) 1,4-Dioxane	6.586	88	16013M1	721.853	ug/L	
58) cis-1,3-Dichloropropene	7.018	75	773509	91.802	ug/L	97
61) Toluene	7.246	92	1202878	77.640	ug/L	96
62) 4-Methyl-2-pentanone	7.659	58	114134	91.011	ug/L #	92
63) Tetrachloroethene	7.603	166	520107	77.478	ug/L	93
65) trans-1,3-Dichloropropene	7.676	75	644794	102.560	ug/L	98
67) Ethyl methacrylate	7.868	69	444927	98.247	ug/L	98
68) 1,1,2-Trichloroethane	7.804	83	301993	84.226	ug/L	96
69) Chlorodibromomethane	7.938	129	462435	89.700	ug/L	98
70) 1,3-Dichloropropane	8.016	76	638635	83.541	ug/L	100
71) 1,2-Dibromoethane	8.097	107	350780	86.029	ug/L	99
72) 2-Hexanone	8.342	43	188702	90.446	ug/L	96
73) Chlorobenzene	8.513	112	1305352	77.683	ug/L	92
74) Ethylbenzene	8.554	91	2323930	75.864	ug/L	99
75) 1,1,1,2-Tetrachloroethane	8.571	131	488640	91.229	ug/L	96
76) p/m Xylene	8.663	106	1757883	151.931	ug/L	97
77) o Xylene	8.948	106	1702579	153.053	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A10.D
 Acq On : 19 Aug 2022 04:33 pm
 Operator : VOA130:MKS
 Sample : I8260STD80PPB
 Misc : WG1678209
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 13:35:17 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.984	104	2795360	153.435	ug/L	95
80)	Bromoform	8.984	173	270535	94.456	ug/L	96
82)	Isopropylbenzene	9.157	105	2287791	75.039	ug/L	97
84)	Bromobenzene	9.377	156	540325	77.970	ug/L	98
85)	n-Propylbenzene	9.416	91	2777227	74.773	ug/L	97
86)	1,4-Dichlorobutane	9.419	55	647165	85.683	ug/L	97
87)	1,1,2,2-Tetrachloroethane	9.466	83	404981	83.185	ug/L	100
88)	4-Ethyltoluene	9.486	105	2273937	77.145	ug/L	98
89)	2-Chlorotoluene	9.497	91	1893242	75.337	ug/L	98
90)	1,3,5-Trimethylbenzene	9.542	105	1945765	76.614	ug/L	93
91)	1,2,3-Trichloropropane	9.536	75	328274	84.332	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.569	53	124508	95.370	ug/L	90
93)	4-Chlorotoluene	9.600	91	1691271	76.987	ug/L	96
94)	tert-Butylbenzene	9.726	119	1665383	74.989	ug/L	93
97)	1,2,4-Trimethylbenzene	9.767	105	1927945	77.937	ug/L	95
98)	sec-Butylbenzene	9.832	105	2533253	74.372	ug/L	98
99)	p-Isopropyltoluene	9.918	119	2185290	75.986	ug/L	98
100)	1,3-Dichlorobenzene	9.946	146	1059673	76.264	ug/L	100
101)	1,4-Dichlorobenzene	9.999	146	1049937	76.721	ug/L	99
102)	p-Diethylbenzene	10.127	119	1324567	79.025	ug/L	96
103)	n-Butylbenzene	10.161	91	2040265	76.137	ug/L	98
104)	1,2-Dichlorobenzene	10.239	146	975897	77.690	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.585	119	2035935	81.657	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	59775	95.559	ug/L	93
107)	1,3,5-Trichlorobenzene	10.713	180	844180	77.010	ug/L	95
108)	Hexachlorobutadiene	11.059	225	391047	79.009	ug/L	96
109)	1,2,4-Trichlorobenzene	11.070	180	733200	79.443	ug/L	98
110)	Naphthalene	11.248	128	1314039	80.201	ug/L	100
111)	1,2,3-Trichlorobenzene	11.351	180	649601	78.635	ug/L	100

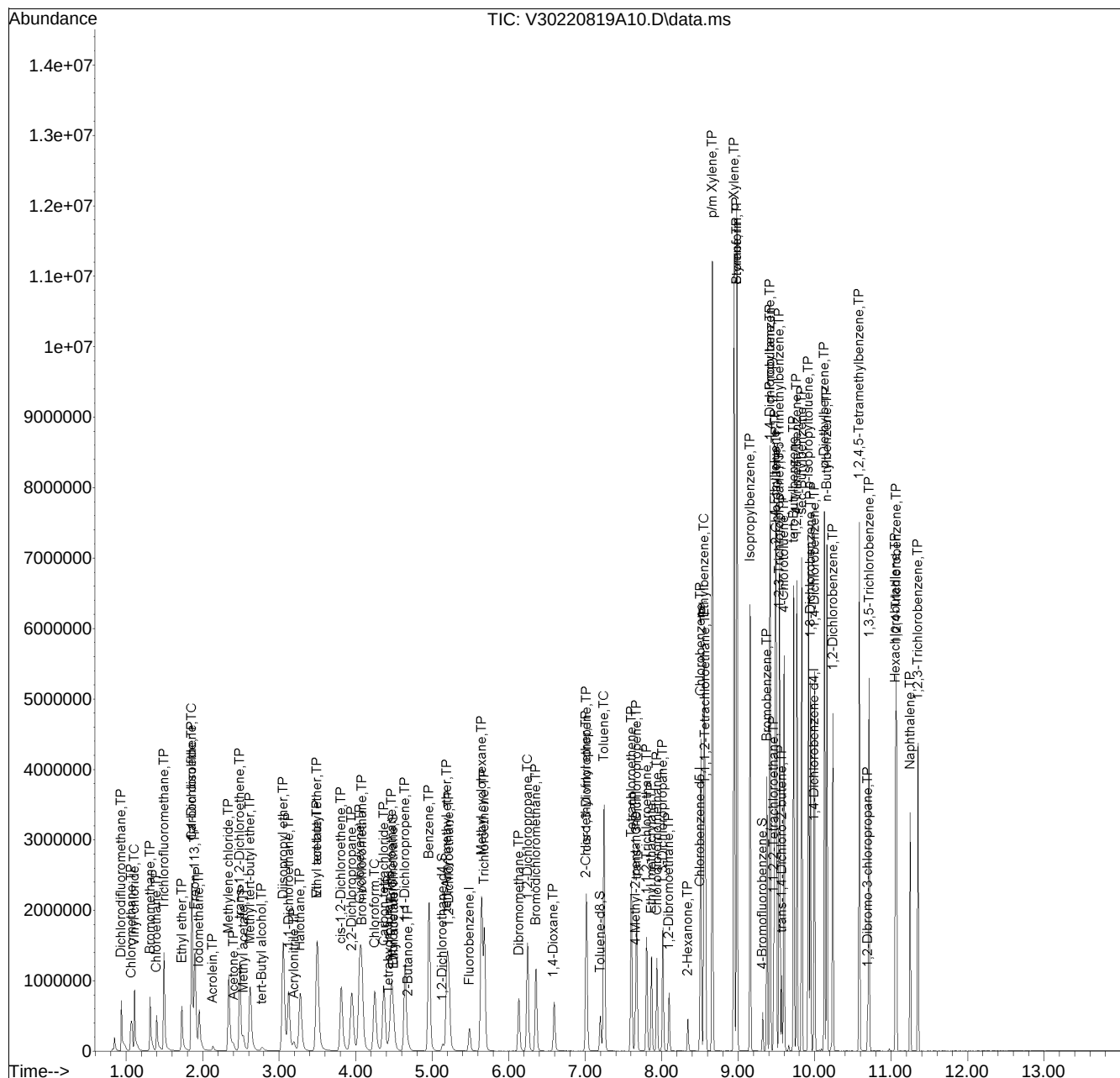
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
Data File : V30220819A10.D
Acq On : 19 Aug 2022 04:33 pm
Operator : VOA130:MKS
Sample : I8260STD80PPB
Misc : WG1678209
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 13:35:17 2022
Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:22:28 2022
Response via : Initial Calibration

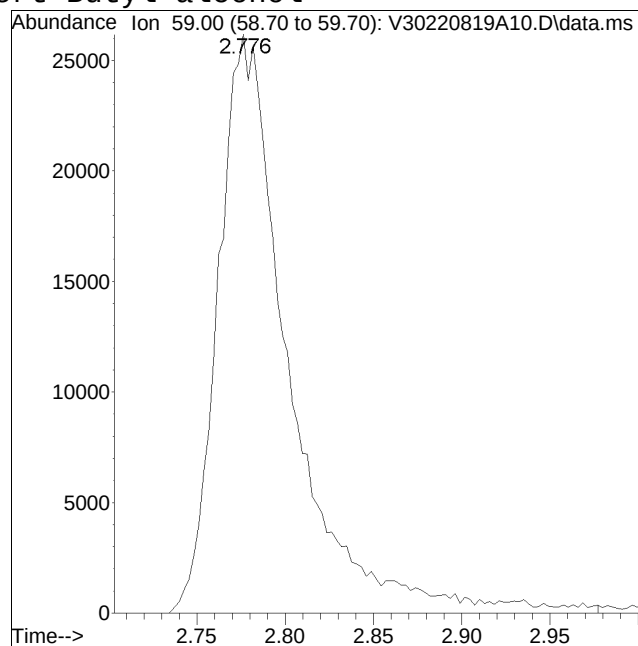
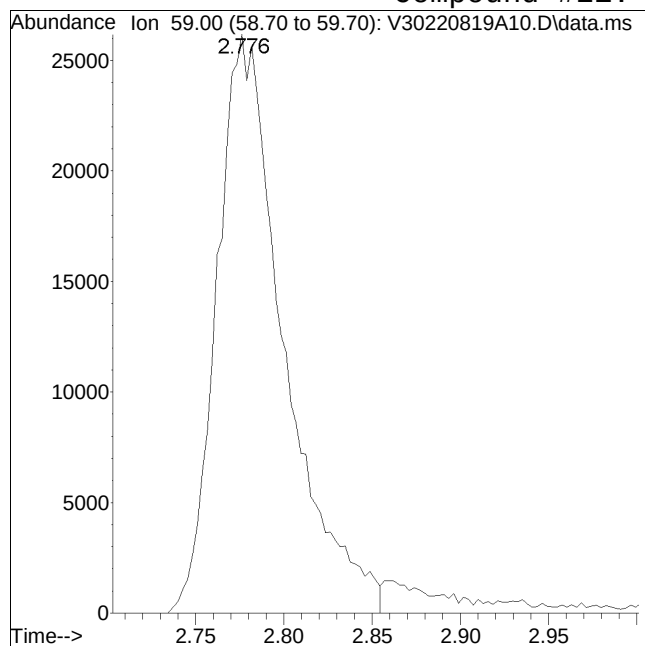
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A10.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:33 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 68954

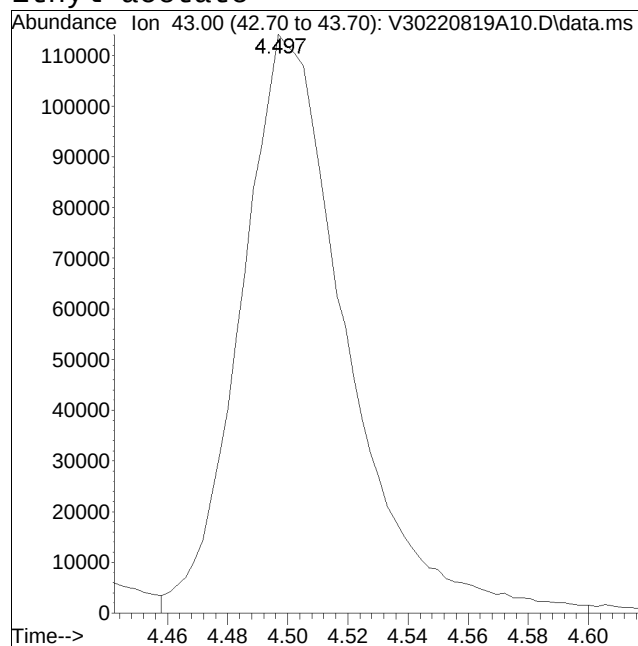
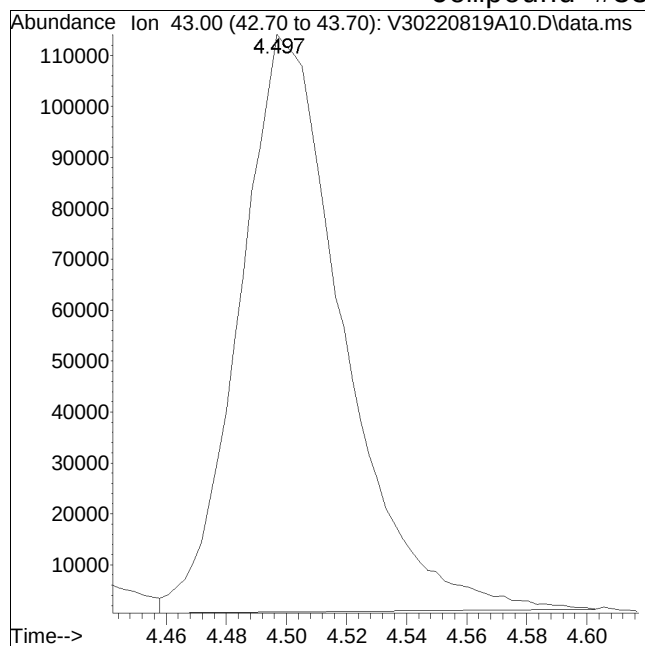
Manual Peak Response = 73652 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A10.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:33 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/22/2022 1:23 pm

Compound #33: Ethyl acetate



Original Peak Response = 270265

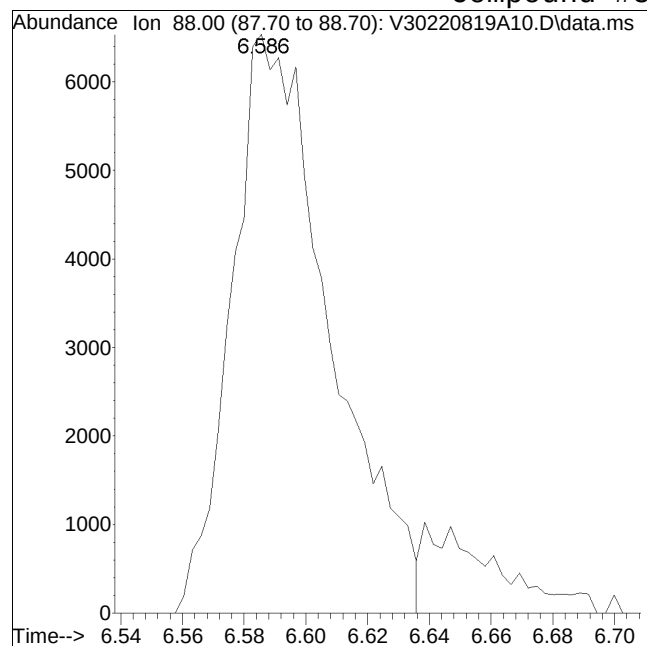
Manual Peak Response = 277964 M1

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

Manual Integration Report

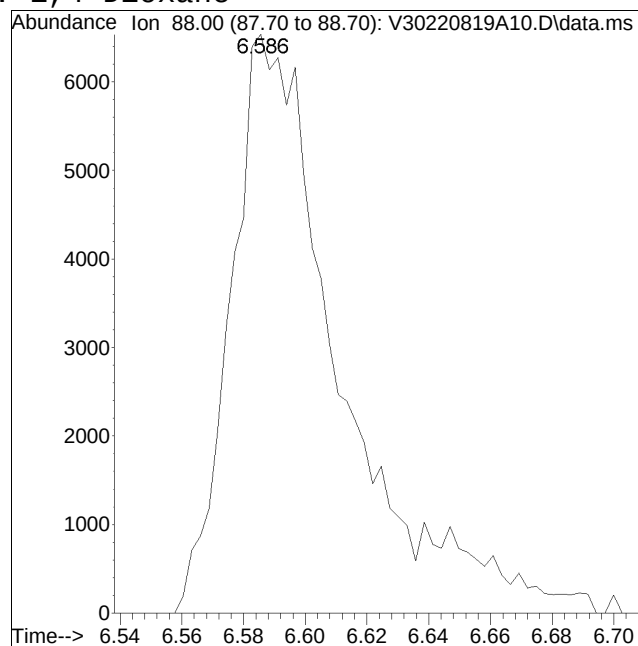
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A10.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:33 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 14371

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



Manual Peak Response = 16013 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A11.D
 Acq On : 19 Aug 2022 04:53 pm
 Operator : VOA130:MKS
 Sample : I8260STD120PPB
 Misc : WG1678209
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 13:35:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.487	96	278821	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	104.06%	
59) Chlorobenzene-d5	8.501	117	207129	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	105.54%	
79) 1,4-Dichlorobenzene-d4	9.991	152	105486	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	103.86%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.489	113	71646	9.815	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.15%	
43) 1,2-Dichloroethane-d4	5.138	65	81409	10.116	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.16%	
60) Toluene-d8	7.196	98	269766	9.930	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.30%	
83) 4-Bromofluorobenzene	9.321	95	98853	9.844	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.44%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.936	85	685091	108.398	ug/L	99
3) Chloromethane	1.067	50	787764	112.203	ug/L	99
4) Vinyl chloride	1.109	62	774004	108.946	ug/L	96
5) Bromomethane	1.312	94	499347	107.167	ug/L	98
6) Chloroethane	1.399	64	493544	114.322	ug/L	98
7) Trichlorofluoromethane	1.493	101	1181331	108.637	ug/L	97
8) Ethyl ether	1.728	74	296602	121.328	ug/L	78
10) 1,1-Dichloroethene	1.856	96	634166	109.847	ug/L	77
11) Carbon disulfide	1.862	76	1566114	111.593	ug/L	98
12) Freon-113	1.898	101	710232	107.668	ug/L	100
13) Iodomethane	1.954	142	786188	132.788	ug/L	92
14) Acrolein	2.135	56	72025	124.753	ug/L	95
15) Methylene chloride	2.341	84	684930	113.233	ug/L	79
17) Acetone	2.400	43	100131	112.606	ug/L	99
18) trans-1,2-Dichloroethene	2.486	96	678989	109.690	ug/L	83
19) Methyl acetate	2.531	43	288561	120.469	ug/L	# 92
20) Methyl tert-butyl ether	2.620	73	1448544	131.473	ug/L	97
21) tert-Butyl alcohol	2.773	59	117499M1	760.759	ug/L	
22) Diisopropyl ether	3.052	45	2474440	129.375	ug/L	93
23) 1,1-Dichloroethane	3.122	63	1348731	111.049	ug/L	99
24) Halothane	3.275	117	541628	114.583	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A11.D
 Acq On : 19 Aug 2022 04:53 pm
 Operator : VOA130:MKS
 Sample : I8260STD120PPB
 Misc : WG1678209
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 13:35:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.192	53	143918	120.355	ug/L	96
26) Ethyl tert-butyl ether	3.496	59	2098992	143.693	ug/L	93
27) Vinyl acetate	3.499	43	1382728	153.173	ug/L #	96
28) cis-1,2-Dichloroethene	3.808	96	768454	113.408	ug/L #	77
29) 2,2-Dichloropropane	3.950	77	1026827	139.927	ug/L	90
30) Bromochloromethane	4.087	128	339264	116.398	ug/L #	65
31) Cyclohexane	4.059	56	1400744	113.099	ug/L	74
32) Chloroform	4.251	83	1331773	112.263	ug/L	98
33) Ethyl acetate	4.500	43	414253	136.432	ug/L #	94
34) Carbon tetrachloride	4.369	117	1064649	122.098	ug/L	99
35) Tetrahydrofuran	4.436	42	102516	112.484	ug/L #	60
37) 1,1,1-Trichloroethane	4.469	97	1172461	114.631	ug/L #	96
39) 2-Butanone	4.684	43	171225	131.422	ug/L #	78
40) 1,1-Dichloropropene	4.647	75	995382	114.659	ug/L	97
41) Benzene	4.960	78	2854561	114.280	ug/L	94
42) tert-Amyl methyl ether	5.194	73	1688514	145.958	ug/L	96
44) 1,2-Dichloroethane	5.222	62	997068	119.952	ug/L	98
47) Methyl cyclohexane	5.646	83	1353729	118.735	ug/L #	79
48) Trichloroethene	5.685	95	769614	113.778	ug/L	99
50) Dibromomethane	6.131	93	395830	119.981	ug/L	96
51) 1,2-Dichloropropane	6.245	63	776664	120.873	ug/L	97
53) 2-Chloroethyl vinyl ether	7.009	63	394659	133.010	ug/L	94
54) Bromodichloromethane	6.357	83	1038386	122.746	ug/L	98
57) 1,4-Dioxane	6.588	88	24600M1	1093.516	ug/L	
58) cis-1,3-Dichloropropene	7.021	75	1191420	139.432	ug/L	96
61) Toluene	7.249	92	1811334	113.940	ug/L	96
62) 4-Methyl-2-pentanone	7.659	58	170461	132.470	ug/L #	93
63) Tetrachloroethene	7.603	166	779677	113.192	ug/L	93
65) trans-1,3-Dichloropropene	7.676	75	999742	154.973	ug/L	98
67) Ethyl methacrylate	7.868	69	671869	144.587	ug/L	99
68) 1,1,2-Trichloroethane	7.804	83	452446	122.978	ug/L	96
69) Chlorodibromomethane	7.938	129	697097	131.780	ug/L	98
70) 1,3-Dichloropropane	8.016	76	957468	122.063	ug/L	99
71) 1,2-Dibromoethane	8.097	107	528106	126.225	ug/L	99
72) 2-Hexanone	8.342	43	281045	131.281	ug/L	96
73) Chlorobenzene	8.513	112	1963067	113.853	ug/L	92
74) Ethylbenzene	8.557	91	3436202	109.321	ug/L	99
75) 1,1,1,2-Tetrachloroethane	8.574	131	735283	133.786	ug/L	95
76) p/m Xylene	8.666	106	2593765	218.475	ug/L	94
77) o Xylene	8.948	106	2513047	220.165	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A11.D
 Acq On : 19 Aug 2022 04:53 pm
 Operator : VOA130:MKS
 Sample : I8260STD120PPB
 Misc : WG1678209
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 13:35:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.987	104	4087814	218.672	ug/L	96
80)	Bromoform	8.987	173	408404	141.600	ug/L	97
82)	Isopropylbenzene	9.157	105	3352574	109.198	ug/L	96
84)	Bromobenzene	9.377	156	808000	115.784	ug/L	98
85)	n-Propylbenzene	9.416	91	4022138	107.537	ug/L	96
86)	1,4-Dichlorobutane	9.419	55	957673	125.912	ug/L	97
87)	1,1,2,2-Tetrachloroethane	9.469	83	603610	123.122	ug/L	99
88)	4-Ethyltoluene	9.489	105	3337508	112.439	ug/L	97
89)	2-Chlorotoluene	9.497	91	2796646	110.512	ug/L	97
90)	1,3,5-Trimethylbenzene	9.542	105	2881861	112.683	ug/L	93
91)	1,2,3-Trichloropropane	9.536	75	487950	124.480	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.569	53	189951	144.486	ug/L	89
93)	4-Chlorotoluene	9.600	91	2508638	113.399	ug/L	96
94)	tert-Butylbenzene	9.726	119	2468176	110.364	ug/L	93
97)	1,2,4-Trimethylbenzene	9.770	105	2846819	114.282	ug/L	94
98)	sec-Butylbenzene	9.832	105	3694629	107.713	ug/L	97
99)	p-Isopropyltoluene	9.921	119	3210743	110.866	ug/L	98
100)	1,3-Dichlorobenzene	9.946	146	1562170	111.647	ug/L	100
101)	1,4-Dichlorobenzene	9.999	146	1574853	114.278	ug/L	99
102)	p-Diethylbenzene	10.130	119	1967506	116.567	ug/L	97
103)	n-Butylbenzene	10.161	91	2992267	110.887	ug/L	97
104)	1,2-Dichlorobenzene	10.239	146	1436913	113.595	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.585	119	3040622	121.104	ug/L	99
106)	1,2-Dibromo-3-chloropr...	10.693	155	88834	141.026	ug/L	90
107)	1,3,5-Trichlorobenzene	10.713	180	1259403	114.089	ug/L	96
108)	Hexachlorobutadiene	11.059	225	598336	120.050	ug/L	95
109)	1,2,4-Trichlorobenzene	11.070	180	1089147	117.189	ug/L	99
110)	Naphthalene	11.251	128	1964207	119.049	ug/L	100
111)	1,2,3-Trichlorobenzene	11.351	180	978957	117.680	ug/L	100

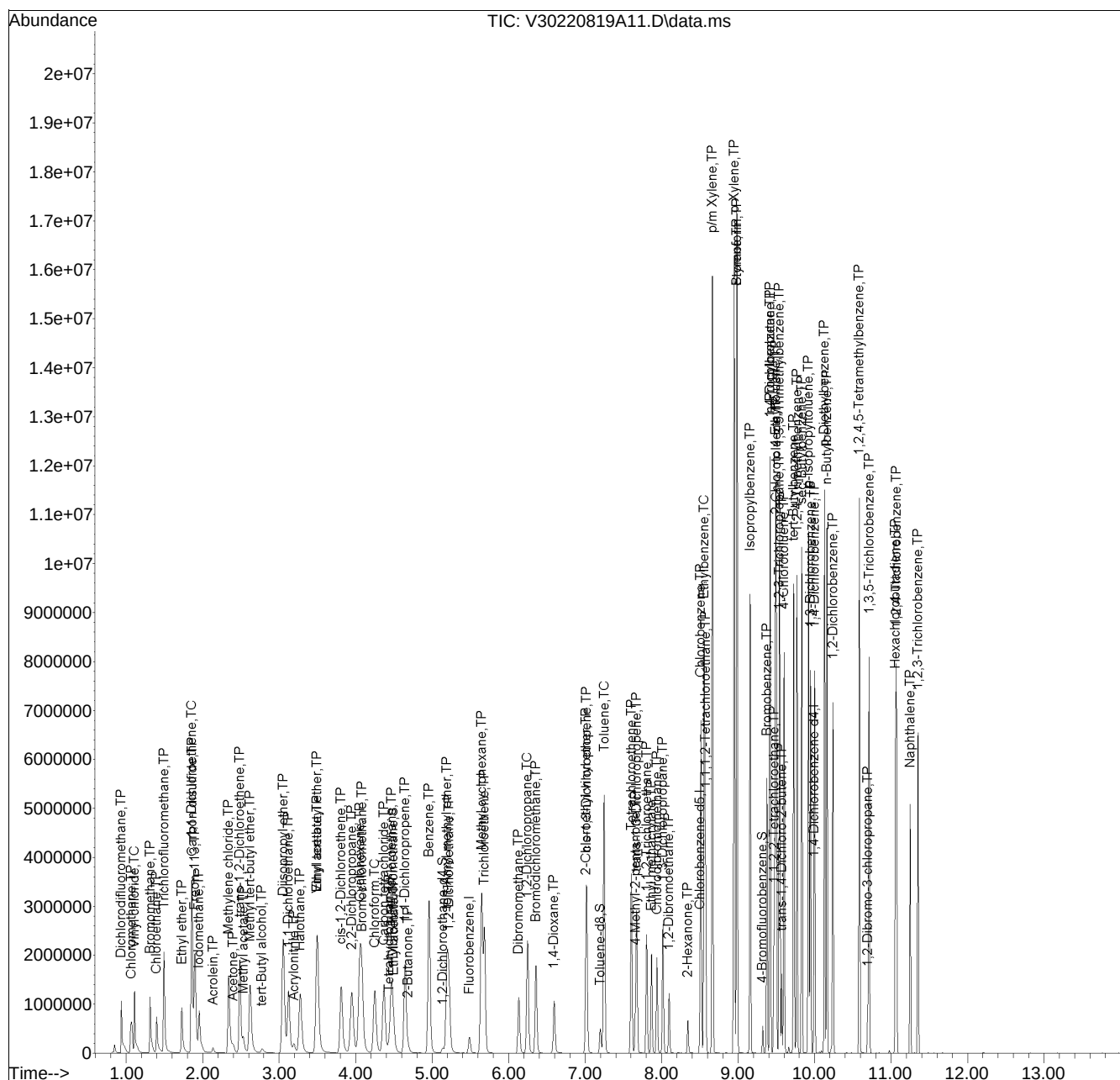
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A11.D
 Acq On : 19 Aug 2022 04:53 pm
 Operator : VOA130:MKS
 Sample : I8260STD120PPB
 Misc : WG1678209
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 13:35:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

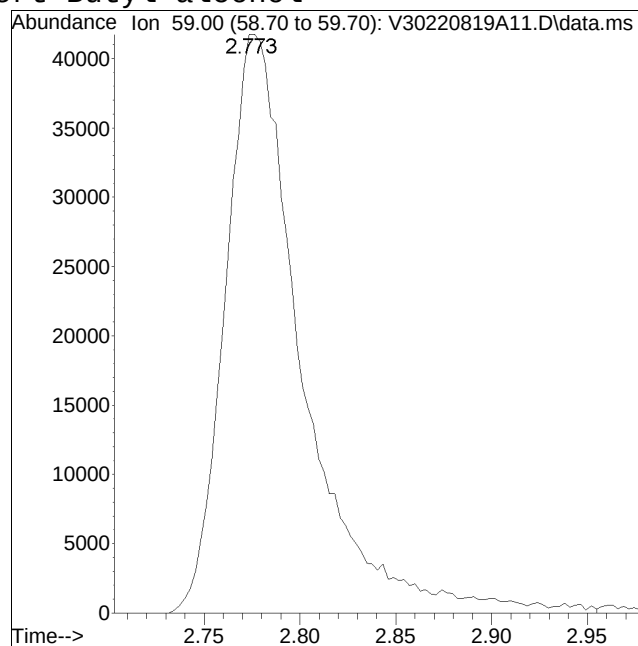
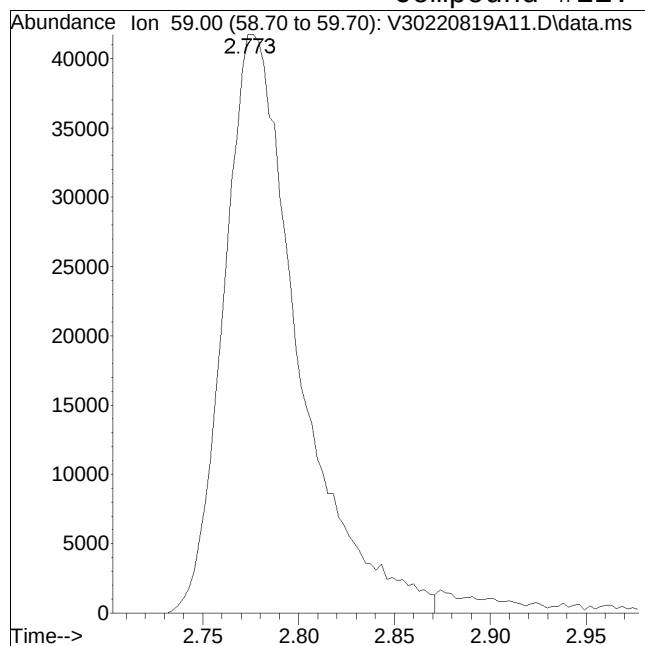
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A11.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:53 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 113432

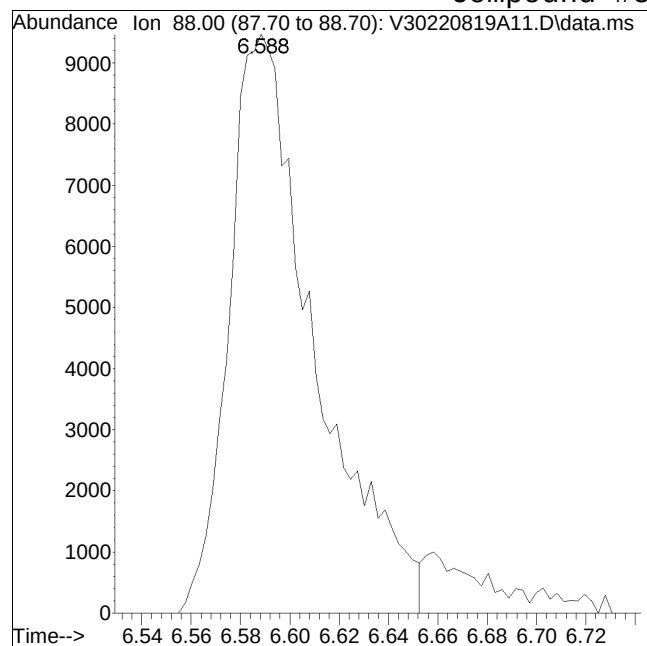
Manual Peak Response = 117499 M1

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

Manual Integration Report

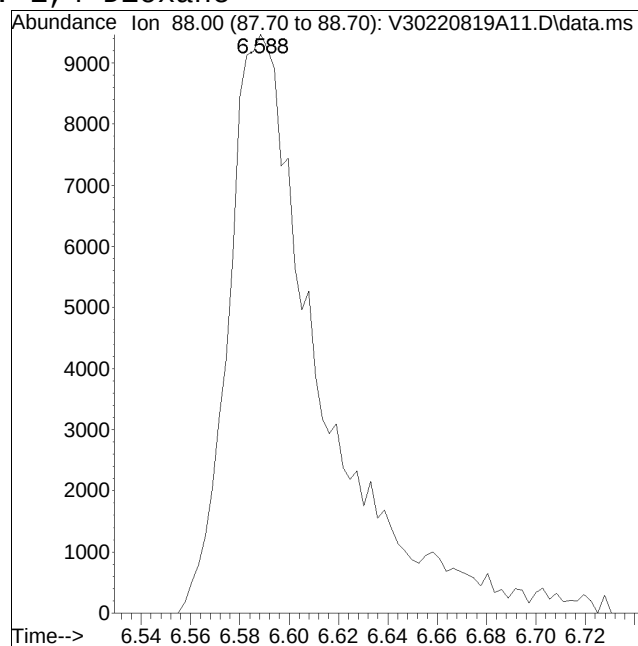
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A11.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:53 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 22664

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



Manual Peak Response = 24600 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A12.D
 Acq On : 19 Aug 2022 05:12 pm
 Operator : VOA130:MKS
 Sample : I8260STD200PPB
 Misc : WG1678209
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 13:36:36 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.490	96	275490	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	102.82%	
59) Chlorobenzene-d5	8.502	117	202885	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	103.37%	
79) 1,4-Dichlorobenzene-d4	9.991	152	102162	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	100.59%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.491	113	70638	9.794	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.94%	
43) 1,2-Dichloroethane-d4	5.138	65	80005	10.062	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.62%	
60) Toluene-d8	7.199	98	263137	9.889	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.89%	
83) 4-Bromofluorobenzene	9.321	95	97139	9.988	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.88%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.936	85	1157127	185.300	ug/L	99
3) Chloromethane	1.064	50	1310249	188.878	ug/L	100
4) Vinyl chloride	1.109	62	1302662	185.576	ug/L	96
5) Bromomethane	1.312	94	852658	185.206	ug/L	98
6) Chloroethane	1.399	64	828162	194.151	ug/L	98
7) Trichlorofluoromethane	1.494	101	1973333	183.665	ug/L	97
8) Ethyl ether	1.728	74	491027	203.287	ug/L	78
10) 1,1-Dichloroethene	1.856	96	1059903	185.811	ug/L	77
11) Carbon disulfide	1.862	76	2610705	188.274	ug/L	99
12) Freon-113	1.898	101	1201402	184.329	ug/L	99
13) Iodomethane	1.954	142	1293616	221.135	ug/L	92
14) Acrolein	2.135	56	122771	215.221	ug/L	95
15) Methylene chloride	2.341	84	1143526	191.335	ug/L	79
17) Acetone	2.400	43	165470	188.336	ug/L	99
18) trans-1,2-Dichloroethene	2.486	96	1145849	187.349	ug/L	83
19) Methyl acetate	2.531	43	489919	207.006	ug/L	# 93
20) Methyl tert-butyl ether	2.620	73	2457525	225.747	ug/L	97
21) tert-Butyl alcohol	2.776	59	204337M1	1338.998	ug/L	
22) Diisopropyl ether	3.052	45	4134680	218.793	ug/L	93
23) 1,1-Dichloroethane	3.125	63	2255087	187.920	ug/L	98
24) Halothane	3.278	117	917102	196.362	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A12.D
 Acq On : 19 Aug 2022 05:12 pm
 Operator : VOA130:MKS
 Sample : I8260STD200PPB
 Misc : WG1678209
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 13:36:36 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.192	53	246765	208.858	ug/L	97
26) Ethyl tert-butyl ether	3.496	59	3577439	247.866	ug/L	93
27) Vinyl acetate	3.499	43	2368802	265.579	ug/L #	96
28) cis-1,2-Dichloroethene	3.811	96	1289660	192.628	ug/L #	76
29) 2,2-Dichloropropane	3.950	77	1779323	245.403	ug/L	94
30) Bromochloromethane	4.087	128	552685	191.913	ug/L #	65
31) Cyclohexane	4.056	56	2395114	195.725	ug/L	75
32) Chloroform	4.249	83	2220549	189.447	ug/L	98
33) Ethyl acetate	4.500	43	698911	232.965	ug/L #	93
34) Carbon tetrachloride	4.369	117	1817789	210.992	ug/L	99
35) Tetrahydrofuran	4.430	42	176567	196.078	ug/L #	68
37) 1,1,1-Trichloroethane	4.466	97	1980727	195.997	ug/L #	96
39) 2-Butanone	4.684	43	293818	228.244	ug/L #	73
40) 1,1-Dichloropropene	4.648	75	1676287	195.428	ug/L	97
41) Benzene	4.960	78	4734644	191.839	ug/L	94
42) tert-Amyl methyl ether	5.197	73	2884983	252.397	ug/L	95
44) 1,2-Dichloroethane	5.222	62	1655440	201.566	ug/L	98
47) Methyl cyclohexane	5.649	83	2287690	203.078	ug/L #	79
48) Trichloroethene	5.685	95	1293948	193.607	ug/L	99
50) Dibromomethane	6.134	93	666024	204.322	ug/L	96
51) 1,2-Dichloropropane	6.248	63	1300441	204.836	ug/L	97
53) 2-Chloroethyl vinyl ether	7.012	63	662805	226.083	ug/L	93
54) Bromodichloromethane	6.357	83	1736886	207.796	ug/L	99
57) 1,4-Dioxane	6.586	88	41006M1	1844.833	ug/L	
58) cis-1,3-Dichloropropene	7.021	75	2006731	237.688	ug/L	95
61) Toluene	7.249	92	3008351	193.196	ug/L	94
62) 4-Methyl-2-pentanone	7.659	58	286778	227.525	ug/L #	93
63) Tetrachloroethene	7.606	166	1297977	192.380	ug/L	94
65) trans-1,3-Dichloropropene	7.676	75	1701908	269.337	ug/L	97
67) Ethyl methacrylate	7.868	69	1137791	249.975	ug/L	99
68) 1,1,2-Trichloroethane	7.804	83	751396	208.508	ug/L	96
69) Chlorodibromomethane	7.938	129	1175914	226.946	ug/L	98
70) 1,3-Dichloropropane	8.019	76	1593907	207.451	ug/L	99
71) 1,2-Dibromoethane	8.097	107	874879	213.483	ug/L	99
72) 2-Hexanone	8.343	43	470794	224.517	ug/L	96
73) Chlorobenzene	8.515	112	3226512	191.045	ug/L	93
74) Ethylbenzene	8.557	91	5508270	178.909	ug/L	96
75) 1,1,1,2-Tetrachloroethane	8.574	131	1205270	223.888	ug/L	95
76) p/m Xylene	8.666	106	4216584	362.595	ug/L	87
77) o Xylene	8.950	106	4061472	363.263	ug/L	82

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A12.D
 Acq On : 19 Aug 2022 05:12 pm
 Operator : VOA130:MKS
 Sample : I8260STD200PPB
 Misc : WG1678209
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 13:36:36 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.987	104	6333836	345.907	ug/L	100
80)	Bromoform	8.987	173	672759	240.845	ug/L	96
82)	Isopropylbenzene	9.160	105	5363792	180.391	ug/L	94
84)	Bromobenzene	9.377	156	1336263	197.713	ug/L	98
85)	n-Propylbenzene	9.419	91	6257666	172.750	ug/L	93
86)	1,4-Dichlorobutane	9.419	55	1584184	215.060	ug/L	96
87)	1,1,2,2-Tetrachloroethane	9.469	83	997310	210.046	ug/L	99
88)	4-Ethyltoluene	9.489	105	5310890	184.743	ug/L	95
89)	2-Chlorotoluene	9.500	91	4515053	184.221	ug/L	96
90)	1,3,5-Trimethylbenzene	9.544	105	4631456	186.986	ug/L	91
91)	1,2,3-Trichloropropane	9.536	75	807020	212.576	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.570	53	320688	251.868	ug/L #	85
93)	4-Chlorotoluene	9.603	91	4067504	189.847	ug/L	96
94)	tert-Butylbenzene	9.729	119	3997899	184.582	ug/L	91
97)	1,2,4-Trimethylbenzene	9.770	105	4580466	189.860	ug/L	92
98)	sec-Butylbenzene	9.834	105	5802654	174.674	ug/L	95
99)	p-Isopropyltoluene	9.921	119	5081834	181.183	ug/L	96
100)	1,3-Dichlorobenzene	9.946	146	2557572	188.734	ug/L	99
101)	1,4-Dichlorobenzene	9.999	146	2567882	192.398	ug/L	98
102)	p-Diethylbenzene	10.130	119	3242448	198.352	ug/L	97
103)	n-Butylbenzene	10.161	91	4778832	182.854	ug/L	95
104)	1,2-Dichlorobenzene	10.239	146	2373717	193.759	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.585	119	4883363	200.827	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	153645	251.850	ug/L	92
107)	1,3,5-Trichlorobenzene	10.713	180	2094778	195.939	ug/L	95
108)	Hexachlorobutadiene	11.059	225	980505	203.129	ug/L	97
109)	1,2,4-Trichlorobenzene	11.070	180	1819850	202.181	ug/L	97
110)	Naphthalene	11.248	128	3224968	201.822	ug/L	100
111)	1,2,3-Trichlorobenzene	11.352	180	1623554	201.516	ug/L	99

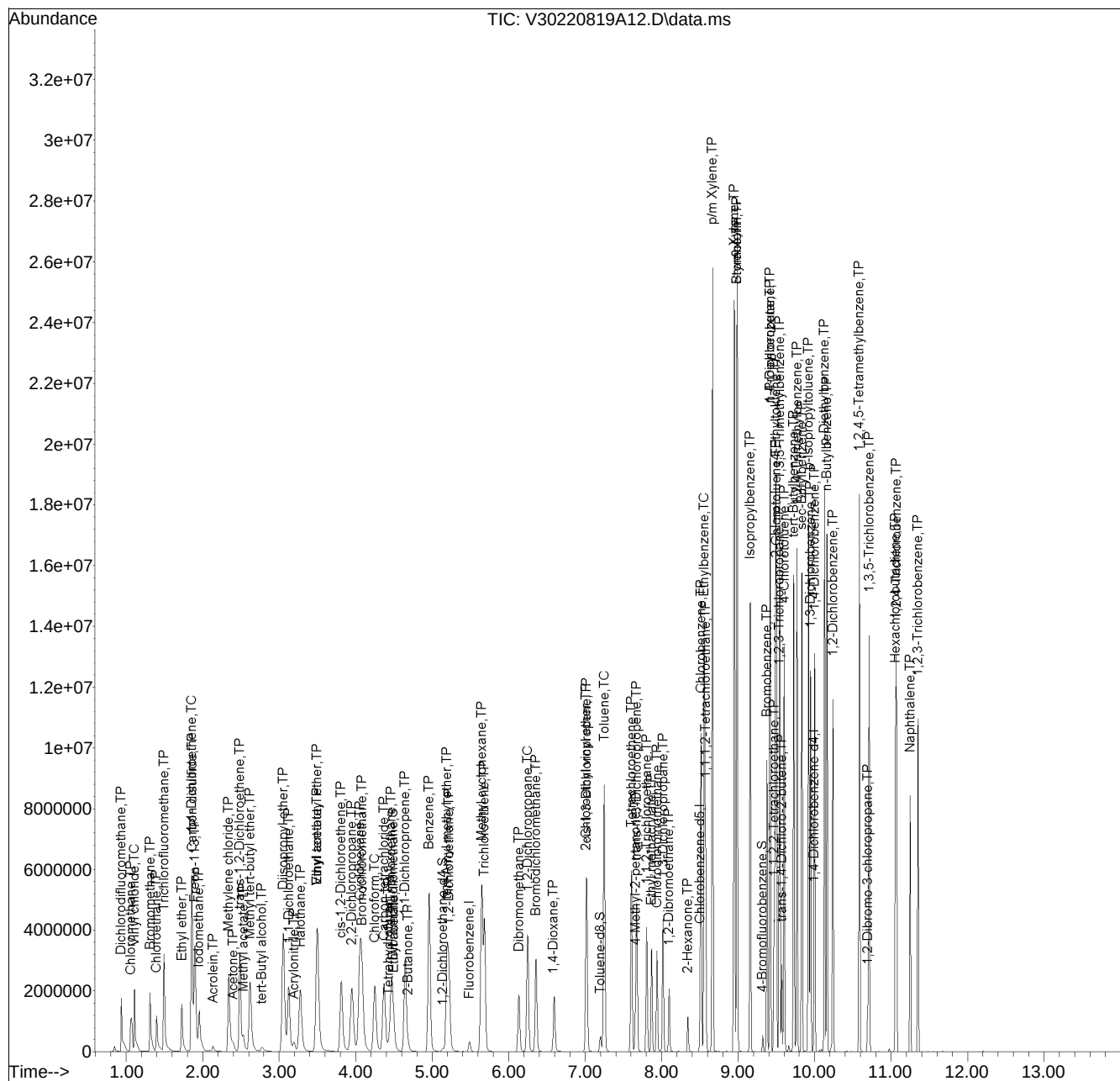
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
Data File : V30220819A12.D
Acq On : 19 Aug 2022 05:12 pm
Operator : VOA130:MKS
Sample : I8260STD200PPB
Misc : WG1678209
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 13:36:36 2022
Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:22:28 2022
Response via : Initial Calibration

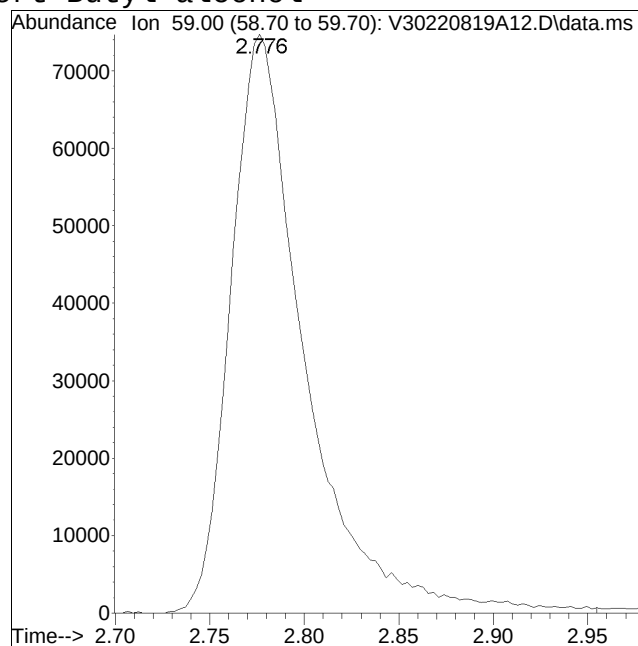
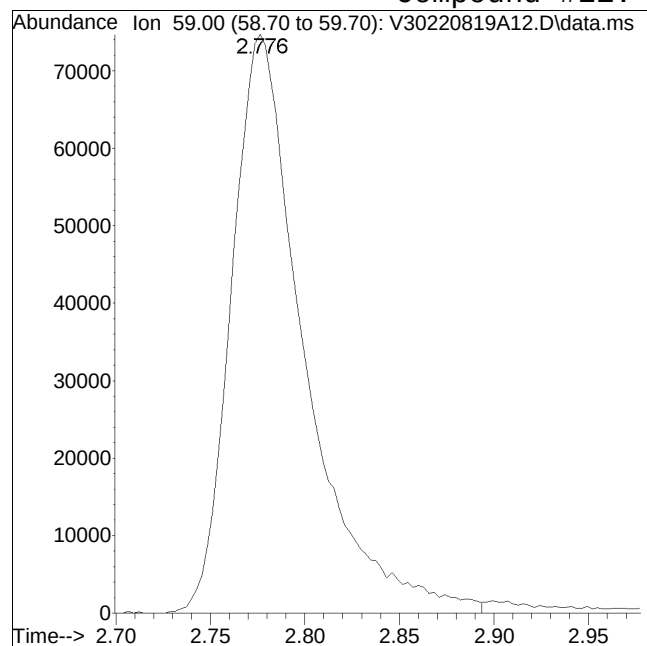
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A12.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 5:12 pm Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 200716

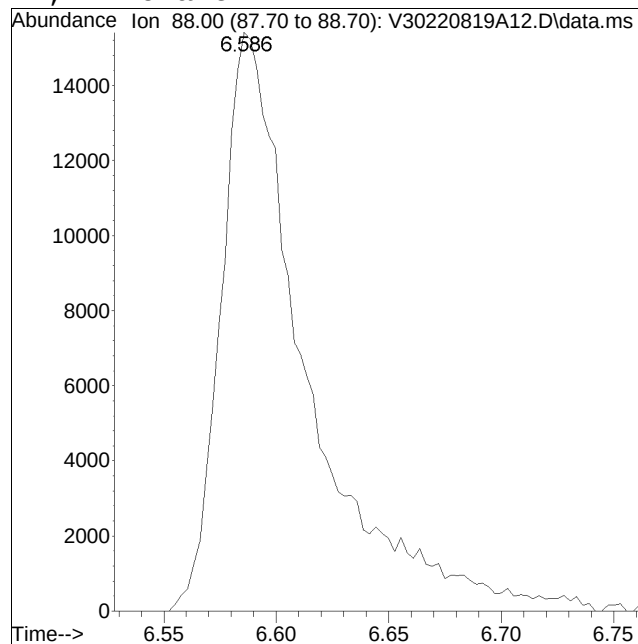
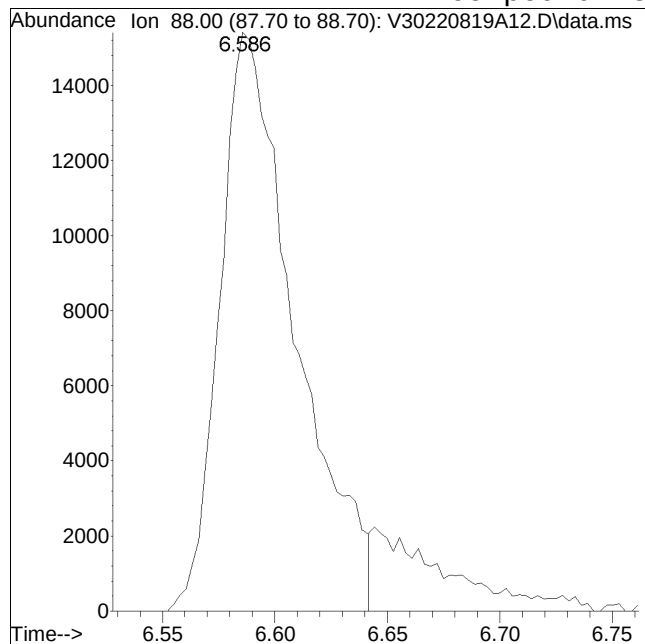
Manual Peak Response = 204337 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A12.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 5:12 pm Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 35863

Manual Peak Response = 41006 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	95	0.00
2 TP	Dichlorodifluoromethane	0.204	0.252	-23.5#	105	0.00
3 TP	Chloromethane	0.235	0.282	-20.0	106	0.00
4 TC	Vinyl chloride	0.233	0.280	-20.2#	104	0.00
5 TP	Bromomethane	0.160	0.185	-15.6	105	0.00
6 TP	Chloroethane	0.146	0.159	-8.9	98	0.00
7 TP	Trichlorofluoromethane	0.358	0.411	-14.8	100	0.00
8 TP	Ethyl ether	0.084	0.106	-26.2#	114	0.00
10 TC	1,1-Dichloroethene	0.190	0.201	-5.8	92	0.00
11 TP	Carbon disulfide	0.472	0.529	-12.1	100	0.00
12 TP	Freon-113	0.211	0.217	-2.8	87	0.00
13 TP	Iodomethane	0.212	0.196	7.5	87	0.00
14 TP	Acrolein	0.021	0.016	23.8#	73	0.00
15 TP	Methylene chloride	0.213	0.218	-2.3	95	0.00
17 TP	Acetone	0.033	0.031	6.1	92	0.00
18 TP	trans-1,2-Dichloroethene	0.206	0.213	-3.4	91	0.00
19 TP	Methyl acetate	0.086	0.082	4.7	90	0.00
20 TP	Methyl tert-butyl ether	0.401	0.441	-10.0	106	0.00
21 TP	tert-Butyl alcohol	0.00619	0.00576#	6.9	99	0.00
22 TP	Diisopropyl ether	0.698	0.696	0.3	96	0.00
23 TP	1,1-Dichloroethane	0.412	0.430	-4.4	94	0.00
24 TP	Halothane	0.159	0.165	-3.8	93	0.00
25 TP	Acrylonitrile	0.043	0.046	-7.0	101	0.00
26 TP	Ethyl tert-butyl ether	0.554	0.532	4.0	96	0.00
27 TP	Vinyl acetate	0.368	0.328	10.9	96	0.00
28 TP	cis-1,2-Dichloroethene	0.237	0.229	3.4	89	0.00
29 TP	2,2-Dichloropropane	0.271	0.246	9.2	89	0.00
30 TP	Bromochloromethane	0.103	0.105	-1.9	96	0.00
31 TP	Cyclohexane	0.408	0.375	8.1	80	0.00
32 TC	Chloroform	0.404	0.417	-3.2	93	0.00
33 TP	Ethyl acetate	0.118	0.115	2.5	101	0.00
34 TP	Carbon tetrachloride	0.287	0.302	-5.2	92	0.00
35 TP	Tetrahydrofuran	0.032	0.031	3.1	91	0.00
36 S	Dibromofluoromethane	0.264	0.265	-0.4	96	0.00
37 TP	1,1,1-Trichloroethane	0.335	0.363	-8.4	94	0.00
39 TP	2-Butanone	0.050	0.050	0.0	101	0.00
40 TP	1,1-Dichloropropene	0.285	0.303	-6.3	92	0.00
41 TP	Benzene	0.848	0.854	-0.7	90	0.00
42 TP	tert-Amyl methyl ether	0.445	0.427	4.0	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	0.290	0.293	-1.0	96	0.00
44 TP	1,2-Dichloroethane	0.297	0.290	2.4	92	0.00
47 TP	Methyl cyclohexane	0.383	0.362	5.5	84	0.00
48 TP	Trichloroethene	0.221	0.226	-2.3	88	0.00
50 TP	Dibromomethane	0.118	0.115	2.5	92	0.00
51 TC	1,2-Dichloropropane	0.224	0.224	0.0	92	0.00
53 TP	2-Chloroethyl vinyl ether	0.108	0.102	5.6	91	0.00
54 TP	Bromodichloromethane	0.303	0.302	0.3	95	0.00
57 TP	1,4-Dioxane	0.00074	0.00062#	16.2	73	0.00
58 TP	cis-1,3-Dichloropropene	0.301	0.297#	1.3	92	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
60 S	Toluene-d8	1.299	1.322	-1.8	97	0.00
61 TC	Toluene	0.726	0.726	0.0	91	0.00
62 TP	4-Methyl-2-pentanone	0.064	0.060	6.3	92	0.00
63 TP	Tetrachloroethene	0.308	0.316	-2.6	91	0.00
65 TP	trans-1,3-Dichloropropene	* 10.000	9.834	1.7	95	0.00
67 TP	Ethyl methacrylate	0.241	0.249	-3.3	106	0.00
68 TP	1,1,2-Trichloroethane	0.177	0.170#	4.0	91	0.00
69 TP	Chlorodibromomethane	0.261	0.255	2.3	96	0.00
70 TP	1,3-Dichloropropane	0.373	0.364	2.4	92	0.00
71 TP	1,2-Dibromoethane	0.199	0.195#	2.0	92	0.00
72 TP	2-Hexanone	0.112	0.098	12.5	91	0.00
73 TP	Chlorobenzene	0.802	0.809	-0.9	93	0.00
74 TC	Ethylbenzene	1.414	1.453	-2.8	92	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.268	0.262	2.2	95	0.00
76 TP	p/m Xylene	0.526	0.540	-2.7	90	0.00
77 TP	o Xylene	0.513	0.548	-6.8	95	0.00
78 TP	Styrene	0.829	0.916	-10.5	97	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80 TP	Bromoform	0.293	0.273	6.8	97	0.00
82 TP	Isopropylbenzene	2.676	2.692	-0.6	90	0.00
83 S	4-Bromofluorobenzene	0.948	0.941	0.7	96	0.00
84 TP	Bromobenzene	0.664	0.632	4.8	93	0.00
85 TP	n-Propylbenzene	3.228	3.305	-2.4	91	0.00
86 TP	1,4-Dichlorobutane	0.745	0.782	-5.0	105	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.485	0.433	10.7	91	0.00
88 TP	4-Ethyltoluene	2.640	2.877	-9.0	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	2.256	2.245	0.5	91	0.00
90 TP	1,3,5-Trimethylbenzene	2.283	2.247	1.6	90	0.00
91 TP	1,2,3-Trichloropropane	0.390	0.363	6.9	95	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.136	0.134	1.5	105	0.00
93 TP	4-Chlorotoluene	2.024	1.982	2.1	92	0.00
94 TP	tert-Butylbenzene	1.970	1.970	0.0	90	0.00
97 TP	1,2,4-Trimethylbenzene	2.245	2.285	-1.8	94	0.00
98 TP	sec-Butylbenzene	2.951	3.015	-2.2	90	0.00
99 TP	p-Isopropyltoluene	2.525	2.525	0.0	89	0.00
100 TP	1,3-Dichlorobenzene	1.274	1.254	1.6	92	0.00
101 TP	1,4-Dichlorobenzene	1.281	1.190	7.1	89	0.00
102 TP	p-Diethylbenzene	1.530	1.528	0.1	93	0.00
103 TP	n-Butylbenzene	2.345	2.425	-3.4	92	0.00
104 TP	1,2-Dichlorobenzene	1.194	1.161	2.8	94	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.338	2.426	-3.8	99	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.062	0.062	0.0	100	0.00
107 TP	1,3,5-Trichlorobenzene	1.017	1.003	1.4	93	0.00
108 TP	Hexachlorobutadiene	0.461	0.426	7.6	88	0.00
109 TP	1,2,4-Trichlorobenzene	0.884	0.852	3.6	94	0.00
110 TP	Naphthalene	1.590	1.524	4.2	95	0.00
111 TP	1,2,3-Trichlorobenzene	0.784	0.759	3.2	94	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\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.490	96	254142	10.000	ug/L	0.00
Standard Area 1 = 267936			Recovery	=	94.85%	
59) Chlorobenzene-d5	8.499	117	188032	10.000	ug/L	0.00
Standard Area 1 = 196265			Recovery	=	95.81%	
79) 1,4-Dichlorobenzene-d4	9.991	152	98769	10.000	ug/L	0.00
Standard Area 1 = 101565			Recovery	=	97.25%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.491	113	67464	10.052	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.52%	
43) 1,2-Dichloroethane-d4	5.141	65	74541	10.116	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.16%	
60) Toluene-d8	7.199	98	248658	10.181	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.81%	
83) 4-Bromofluorobenzene	9.321	95	92913	9.922	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.22%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.936	85	63917	12.358	ug/L	91
3) Chloromethane	1.064	50	71752	12.022	ug/L	100
4) Vinyl chloride	1.109	62	71038	11.996	ug/L	97
5) Bromomethane	1.312	94	47003	11.532	ug/L	96
6) Chloroethane	1.399	64	40483	10.883	ug/L	97
7) Trichlorofluoromethane	1.496	101	104354	11.463	ug/L	97
8) Ethyl ether	1.728	74	26867	12.515	ug/L	76
10) 1,1-Dichloroethene	1.856	96	51031	10.546	ug/L	78
11) Carbon disulfide	1.859	76	134374	11.191	ug/L	99
12) Freon-113	1.901	101	55158	10.264	ug/L	98
13) Iodomethane	1.957	142	49783	9.228	ug/L	91
14) Acrolein	2.132	56	4050M1	7.651	ug/L	
15) Methylene chloride	2.339	84	55476	10.226	ug/L	79
17) Acetone	2.403	43	7900	9.419	ug/L	91
18) trans-1,2-Dichloroethene	2.486	96	54062	10.328	ug/L	83
19) Methyl acetate	2.534	43	20760	9.540	ug/L	# 95
20) Methyl tert-butyl ether	2.620	73	112012M1	10.987	ug/L	
21) tert-Butyl alcohol	2.776	59	7313M1	46.458	ug/L	
22) Diisopropyl ether	3.058	45	176940	9.973	ug/L	91
23) 1,1-Dichloroethane	3.122	63	109408	10.461	ug/L	99
24) Halothane	3.273	117	42019	10.416	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.195	53	11608M1	10.516	ug/L	
26) Ethyl tert-butyl ether	3.501	59	135325	9.610	ug/L	95
27) Vinyl acetate	3.499	43	83427	8.923	ug/L #	91
28) cis-1,2-Dichloroethene	3.817	96	58149	9.670	ug/L #	78
29) 2,2-Dichloropropane	3.953	77	62474	9.059	ug/L #	77
30) Bromochloromethane	4.081	128	26809M1	10.248	ug/L	
31) Cyclohexane	4.054	56	95287	9.187	ug/L	75
32) Chloroform	4.246	83	105920	10.328	ug/L	99
33) Ethyl acetate	4.505	43	29336M1	9.790	ug/L	
34) Carbon tetrachloride	4.366	117	76780	10.539	ug/L	99
35) Tetrahydrofuran	4.441	42	7994M1	9.830	ug/L	
37) 1,1,1-Trichloroethane	4.472	97	92128	10.810	ug/L #	98
39) 2-Butanone	4.687	43	12663M1	9.873	ug/L	
40) 1,1-Dichloropropene	4.642	75	77093	10.633	ug/L	97
41) Benzene	4.957	78	216996	10.073	ug/L	93
42) tert-Amyl methyl ether	5.197	73	108554	9.607	ug/L	93
44) 1,2-Dichloroethane	5.219	62	73714	9.766	ug/L	96
47) Methyl cyclohexane	5.646	83	91989	9.449	ug/L #	79
48) Trichloroethene	5.685	95	57355	10.230	ug/L	98
50) Dibromomethane	6.131	93	29308	9.814	ug/L	95
51) 1,2-Dichloropropane	6.245	63	56973	10.018	ug/L	97
53) 2-Chloroethyl vinyl ether	7.010	63	25943	9.487	ug/L	94
54) Bromodichloromethane	6.357	83	76850	9.992	ug/L	98
57) 1,4-Dioxane	6.591	88	7897M1	419.532	ug/L	
58) cis-1,3-Dichloropropene	7.018	75	75574	9.884	ug/L	98
61) Toluene	7.247	92	136460	9.996	ug/L	99
62) 4-Methyl-2-pentanone	7.659	58	11229	9.301	ug/L #	94
63) Tetrachloroethene	7.604	166	59467	10.283	ug/L	94
65) trans-1,3-Dichloropropene	7.676	75	58119	9.834	ug/L	98
67) Ethyl methacrylate	7.869	69	46887	10.333	ug/L	97
68) 1,1,2-Trichloroethane	7.804	83	31897	9.611	ug/L	94
69) Chlorodibromomethane	7.938	129	47936	9.780	ug/L	98
70) 1,3-Dichloropropane	8.016	76	68391	9.762	ug/L	99
71) 1,2-Dibromoethane	8.097	107	36596	9.758	ug/L	98
72) 2-Hexanone	8.343	43	18477	8.735	ug/L	98
73) Chlorobenzene	8.513	112	152191	10.096	ug/L	93
74) Ethylbenzene	8.555	91	273155	10.275	ug/L	99
75) 1,1,1,2-Tetrachloroethane	8.574	131	49277	9.781	ug/L	95
76) p/m Xylene	8.661	106	202887	20.519	ug/L	100
77) o Xylene	8.945	106	206190	21.357	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.981	104	344313	22.089	ug/L	93
80)	Bromoform	8.984	173	26948	9.324	ug/L	95
82)	Isopropylbenzene	9.157	105	265899	10.062	ug/L	98
84)	Bromobenzene	9.374	156	62387	9.511	ug/L	97
85)	n-Propylbenzene	9.413	91	326459	10.241	ug/L	99
86)	1,4-Dichlorobutane	9.419	55	77244	10.494	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.466	83	42740	8.925	ug/L	99
88)	4-Ethyltoluene	9.486	105	284140	10.897	ug/L	98
89)	2-Chlorotoluene	9.497	91	221703	9.951	ug/L	97
90)	1,3,5-Trimethylbenzene	9.539	105	221902	9.842	ug/L	94
91)	1,2,3-Trichloropropane	9.536	75	35882	9.326	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.567	53	13245	9.892	ug/L #	86
93)	4-Chlorotoluene	9.598	91	195732	9.792	ug/L	97
94)	tert-Butylbenzene	9.726	119	194598	10.003	ug/L	93
97)	1,2,4-Trimethylbenzene	9.768	105	225682	10.179	ug/L	95
98)	sec-Butylbenzene	9.829	105	297814	10.219	ug/L	99
99)	p-Isopropyltoluene	9.918	119	249387	9.998	ug/L	98
100)	1,3-Dichlorobenzene	9.943	146	123834	9.841	ug/L	99
101)	1,4-Dichlorobenzene	9.999	146	117510	9.287	ug/L	99
102)	p-Diethylbenzene	10.127	119	150899	9.988	ug/L	94
103)	n-Butylbenzene	10.158	91	239532	10.340	ug/L	99
104)	1,2-Dichlorobenzene	10.236	146	114712	9.724	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.582	119	239599	10.377	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.693	155	6092	9.922	ug/L	87
107)	1,3,5-Trichlorobenzene	10.710	180	99028	9.857	ug/L	95
108)	Hexachlorobutadiene	11.056	225	42060	9.241	ug/L	97
109)	1,2,4-Trichlorobenzene	11.067	180	84147	9.638	ug/L	98
110)	Naphthalene	11.248	128	150554	9.589	ug/L	100
111)	1,2,3-Trichlorobenzene	11.349	180	74921	9.676	ug/L	98

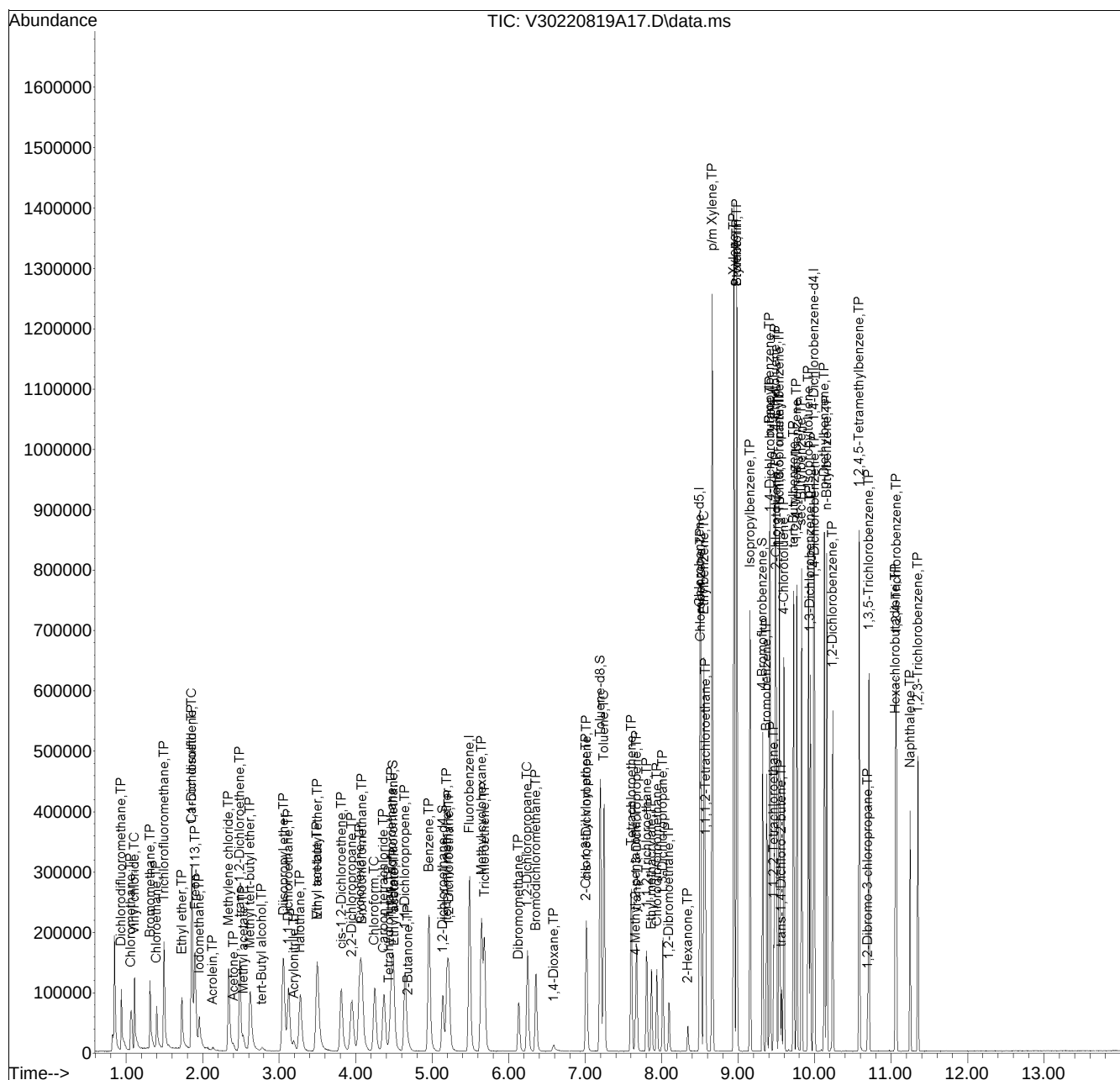
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

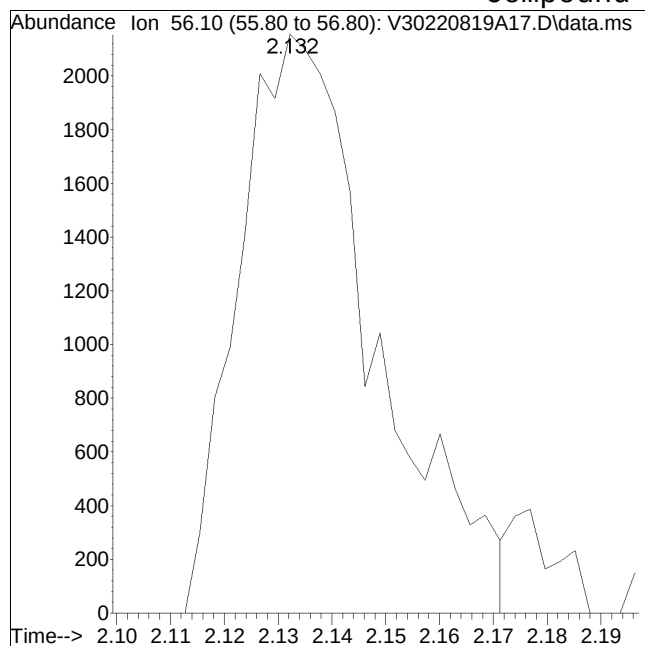
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

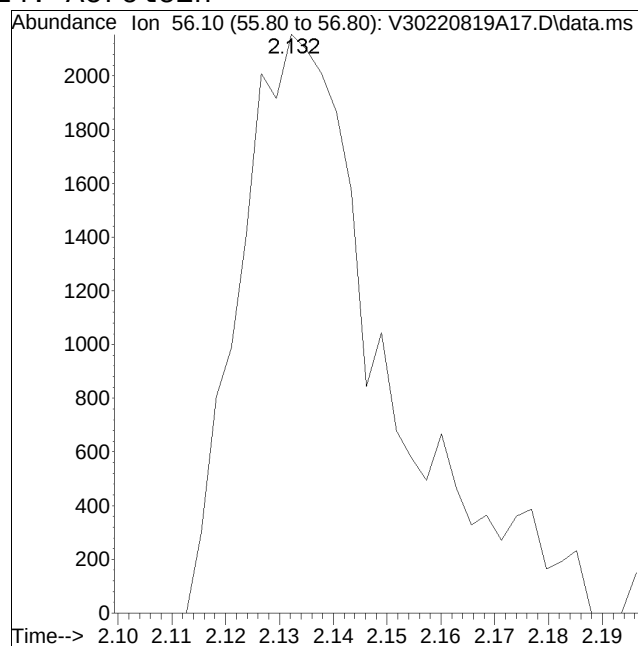
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #14: Acrolein



Original Peak Response = 3826

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

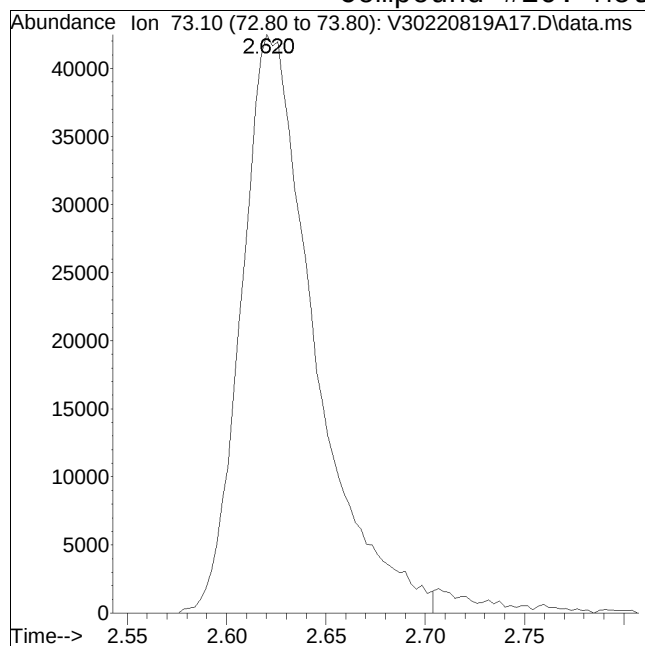


Manual Peak Response = 4050 M1

Manual Integration Report

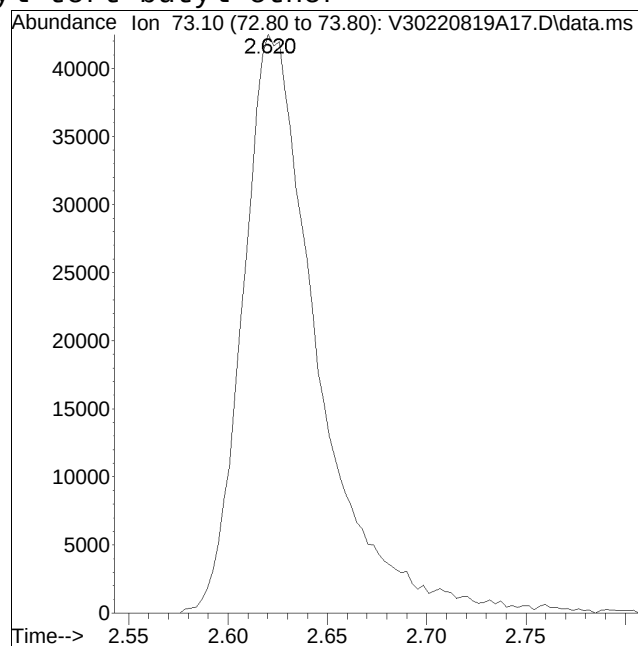
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 108728

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

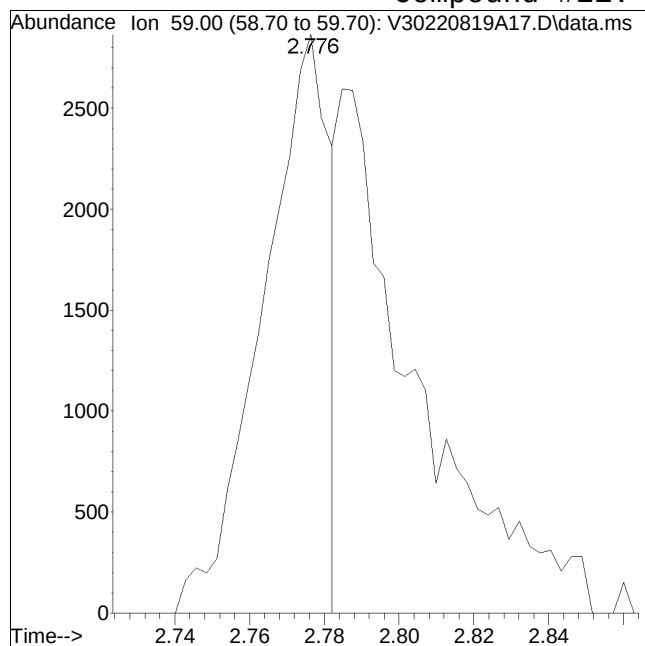


Manual Peak Response = 112012 M1

Manual Integration Report

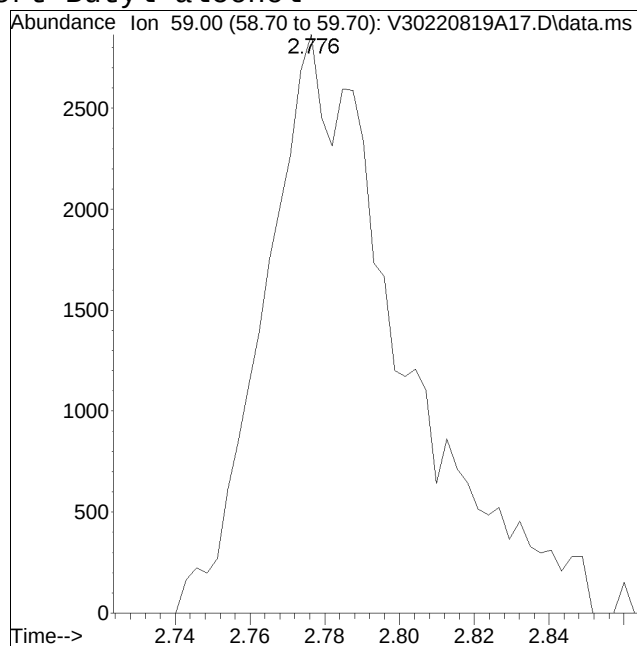
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 3546

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

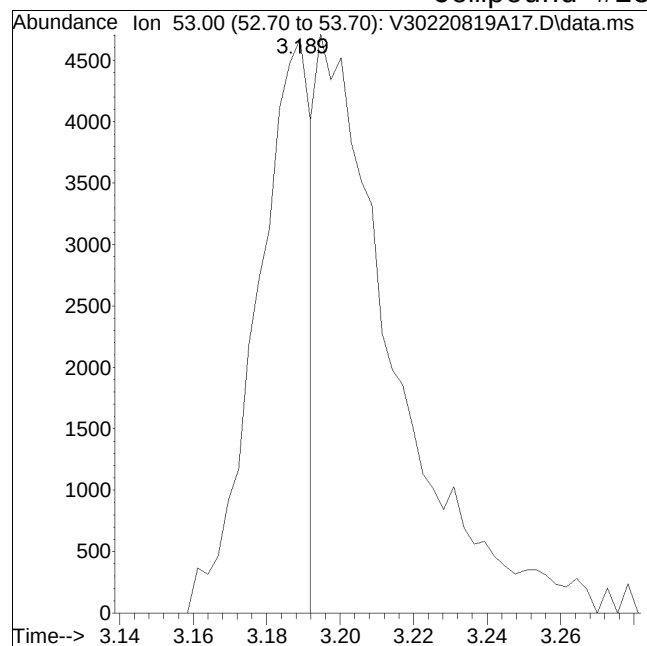


Manual Peak Response = 7313 M1

Manual Integration Report

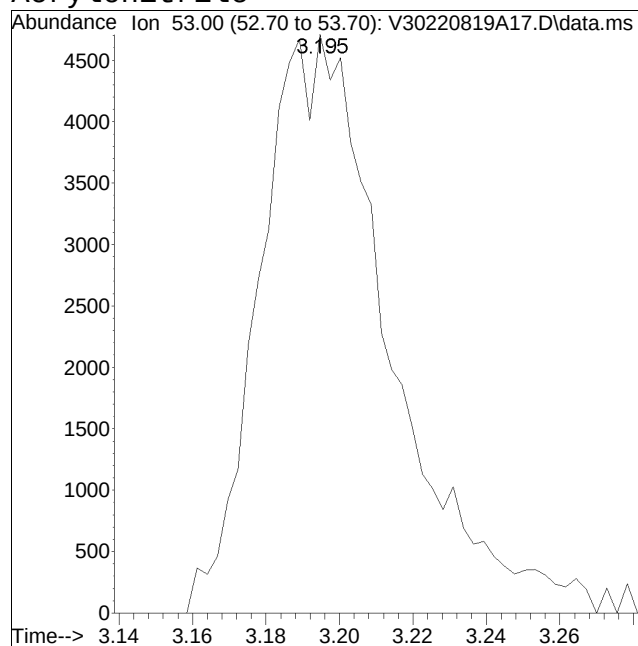
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #25: Acrylonitrile



Original Peak Response = 4777

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

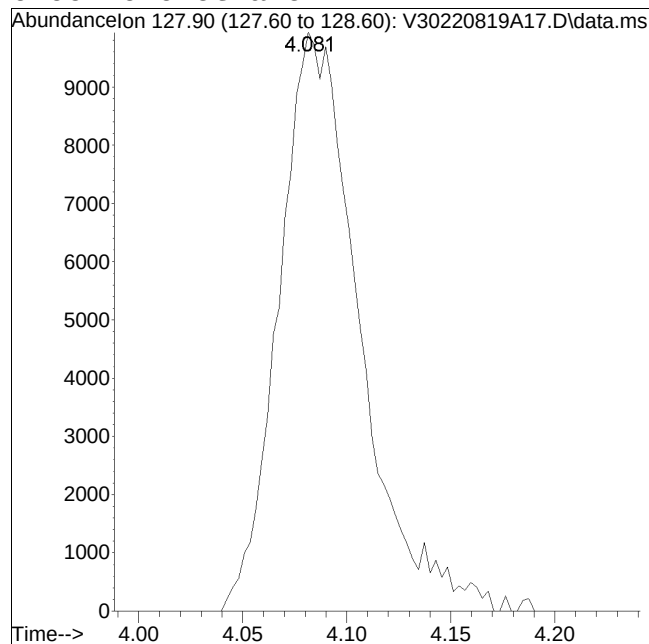
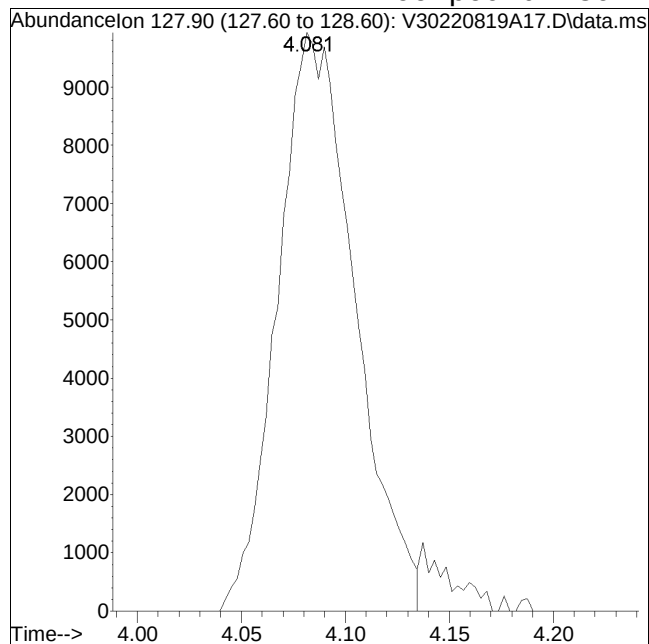


Manual Peak Response = 11608 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #30: Bromochloromethane



Original Peak Response = 25588

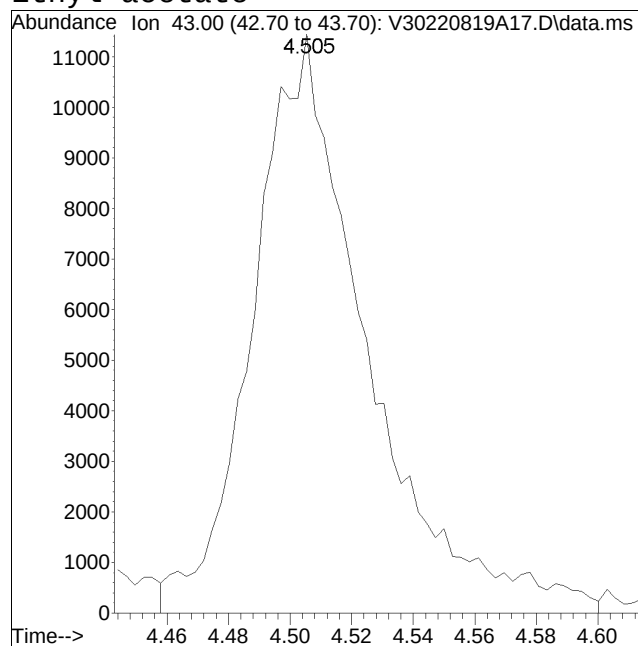
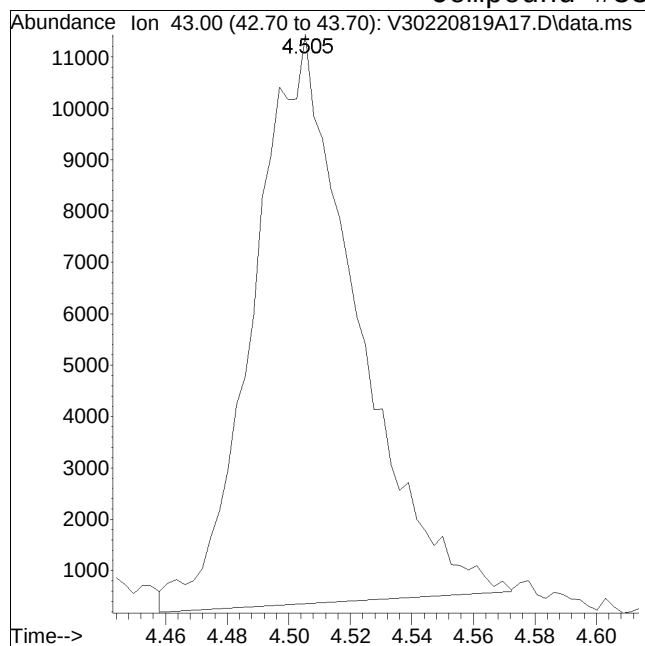
Manual Peak Response = 26809 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #33: Ethyl acetate



Original Peak Response = 25793

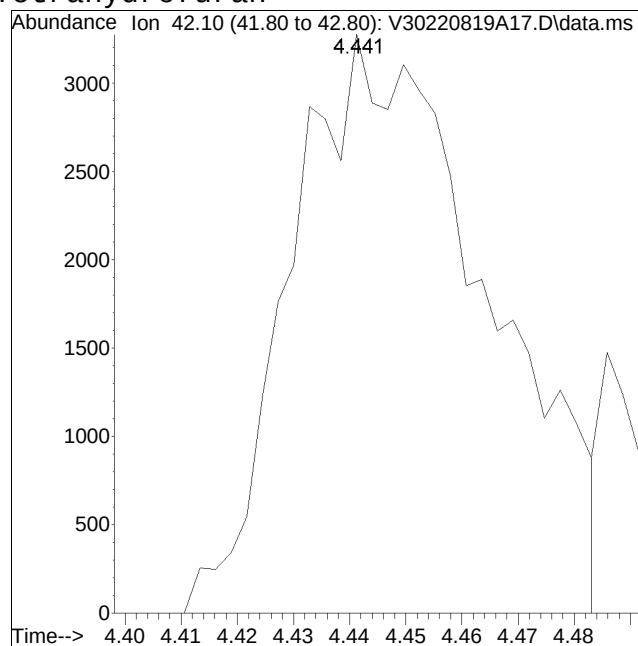
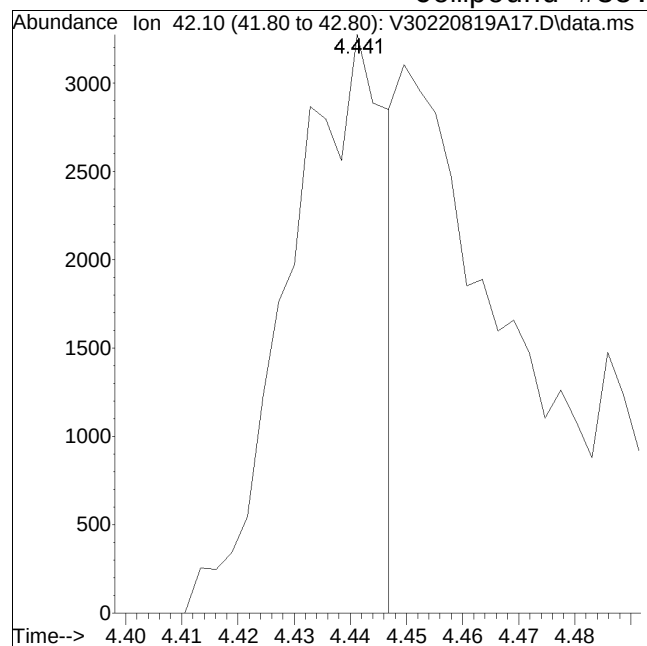
Manual Peak Response = 29336 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 3949

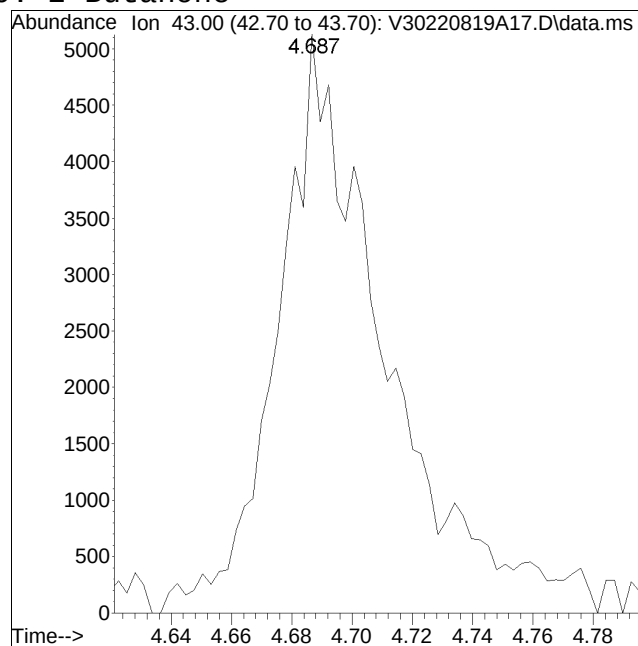
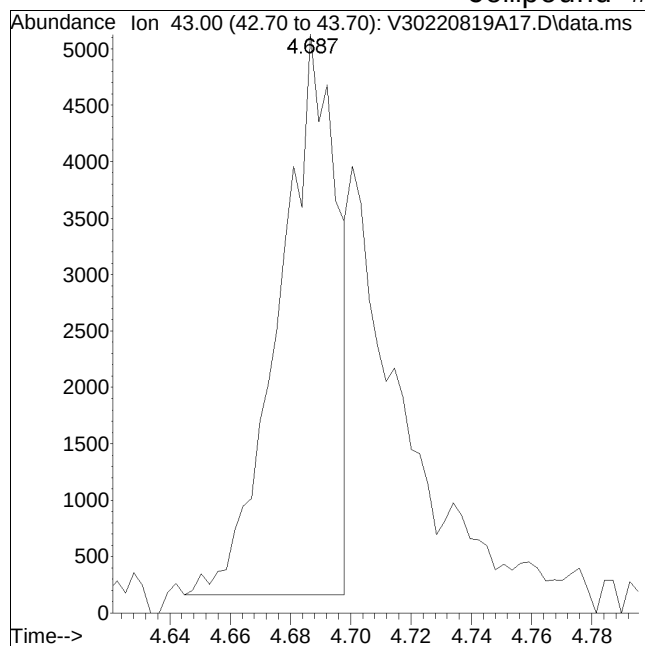
Manual Peak Response = 7994 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20 Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #39: 2-Butanone



Original Peak Response = 6623

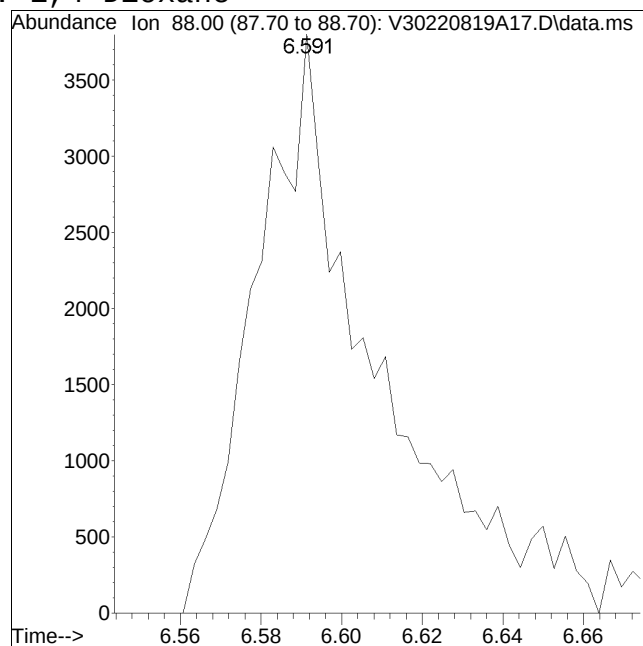
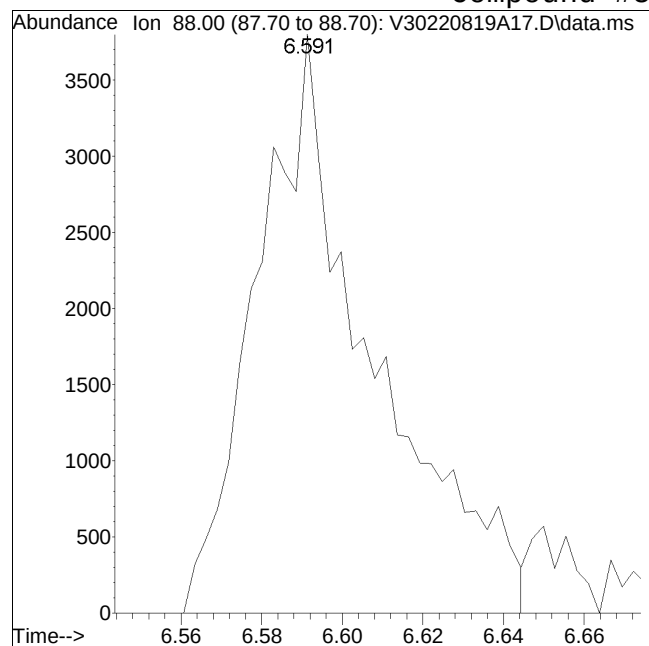
Manual Peak Response = 12663 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 7508

Manual Peak Response = 7897 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\220819AICAL\
 Method File: VOA130_220819A_8260.m
 Method Title: VOLATILES BY GC/MS
 Last Update: Mon Aug 22 13:44:43 2022
 CSV generated: Mon Aug 22 13:49:19 2022

Analyte	Curve fit	T _y	Coefficient	Quadratic	Linear	Constant
			Determina	Term	Term	Term
trans-1,3-Dichloropropene	Quadratic	0.99952	0.011792	0.30625	-0.0035	

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Lab File ID : V30220912A01
 Sample No : WG1686411-2
 Channel :

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Calibration Date : 09/12/22 06:54
 Init. Calib. Date(s) : 08/19/22 08/19/22
 Init. Calib. Times : 14:16 17:12

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	67	0
Dichlorodifluoromethane	0.204	0.125	-	38.7*	20	37	0
Chloromethane	0.235	0.211	-	10.2	20	57	0
Vinyl chloride	0.233	0.228	-	2.1	20	60	0
Bromomethane	0.16	0.087	-	45.6*	20	35	0
Chloroethane	0.146	0.165	-	-13	20	72	0
Trichlorofluoromethane	0.358	0.352	-	1.7	20	61	0
Ethyl ether	0.084	0.067	-	20.2*	20	52	0
1,1-Dichloroethene	0.19	0.197	-	-3.7	20	64	0
Carbon disulfide	0.472	0.506	-	-7.2	20	68	0
Freon-113	0.211	0.211	-	0	20	60	0
Iodomethane	0.212	0.094	-	55.7*	20	30	0
Acrolein	0.021	0.017	-	19	20	54	0
Methylene chloride	0.213	0.21	-	1.4	20	65	0
Acetone	0.033	0.031	-	6.1	20	65	0
trans-1,2-Dichloroethene	0.206	0.201	-	2.4	20	61	0
Methyl acetate	0.086	0.07	-	18.6	20	55	0
Methyl tert-butyl ether	0.401	0.274	-	31.7*	20	47	0
tert-Butyl alcohol	0.00619	0.00523*	-	15.5	20	64	-0.02
Diisopropyl ether	0.698	0.609	-	12.8	20	60	0
1,1-Dichloroethane	0.412	0.418	-	-1.5	20	65	0
Halothane	0.159	0.157	-	1.3	20	62	0
Acrylonitrile	0.043	0.035	-	18.6	20	56	-0.01
Ethyl tert-butyl ether	0.554	0.45	-	18.8	20	58	0
Vinyl acetate	0.368	0.274	-	25.5*	20	57	0
cis-1,2-Dichloroethene	0.237	0.227	-	4.2	20	63	0
2,2-Dichloropropane	0.271	0.252	-	7	20	65	0
Bromochloromethane	0.103	0.094*	-	8.7	20	61	-0.01
Cyclohexane	0.408	0.387	-	5.1	20	59	0
Chloroform	0.404	0.395	-	2.2	20	63	0
Ethyl acetate	0.118	0.078	-	33.9*	20	48	0
Carbon tetrachloride	0.287	0.294	-	-2.4	20	63	0
Tetrahydrofuran	0.032	0.031	-	3.1	20	63	-0.01
Dibromofluoromethane	0.264	0.259	-	1.9	20	67	0
1,1,1-Trichloroethane	0.335	0.316	-	5.7	20	58	0
2-Butanone	0.05	0.043	-	14	20	62	-0.01
1,1-Dichloropropene	0.285	0.277	-	2.8	20	60	0
Benzene	0.848	0.822	-	3.1	20	62	0
tert-Amyl methyl ether	0.445	0.315	-	29.2*	20	51	0
1,2-Dichloroethane-d4	0.29	0.265	-	8.6	20	62	-0.01
1,2-Dichloroethane	0.297	0.256	-	13.8	20	58	0
Methyl cyclohexane	0.383	0.364	-	5	20	60	0
Trichloroethene	0.221	0.217	-	1.8	20	60	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Lab File ID : V30220912A01
 Sample No : WG1686411-2
 Channel :

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Calibration Date : 09/12/22 06:54
 Init. Calib. Date(s) : 08/19/22 08/19/22
 Init. Calib. Times : 14:16 17:12

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.118	0.099	-	16.1	20	57	-.01
1,2-Dichloropropane	0.224	0.213	-	4.9	20	62	0
2-Chloroethyl vinyl ether	0.108	0.083	-	23.1*	20	53	0
Bromodichloromethane	0.303	0.278*	-	8.3	20	62	0
1,4-Dioxane	0.00074	0.00086*	-	-16.2	20	72	0
cis-1,3-Dichloropropene	0.301	0.276*	-	8.3	20	61	0
Chlorobenzene-d5	1	1	-	0	20	66	0
Toluene-d8	1.299	1.36	-	-4.7	20	69	0
Toluene	0.726	0.732	-	-0.8	20	63	0
4-Methyl-2-pentanone	0.064	0.047	-	26.6*	20	50	0
Tetrachloroethene	0.308	0.305	-	1	20	61	0
trans-1,3-Dichloropropene	10	9.325	-	6.8	20	62	0
Ethyl methacrylate	0.241	0.18	-	25.3*	20	53	0
1,1,2-Trichloroethane	0.177	0.153*	-	13.6	20	57	0
Chlorodibromomethane	0.261	0.232	-	11.1	20	60	0
1,3-Dichloropropane	0.373	0.33	-	11.5	20	58	0
1,2-Dibromoethane	0.199	0.172*	-	13.6	20	56	0
2-Hexanone	0.112	0.081	-	27.7*	20	52	0
Chlorobenzene	0.802	0.792	-	1.2	20	63	0
Ethylbenzene	1.414	1.407	-	0.5	20	61	0
1,1,1,2-Tetrachloroethane	0.268	0.252	-	6	20	63	0
p/m Xylene	0.526	0.532	-	-1.1	20	62	0
o Xylene	0.513	0.516	-	-0.6	20	62	0
Styrene	0.829	0.858	-	-3.5	20	63	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	66	0
Bromoform	0.293	0.266	-	9.2	20	64	0
Isopropylbenzene	2.676	2.707	-	-1.2	20	61	0
4-Bromofluorobenzene	0.948	0.944	-	0.4	20	65	0
Bromobenzene	0.664	0.604	-	9	20	60	0
n-Propylbenzene	3.228	3.387	-	-4.9	20	63	0
1,4-Dichlorobutane	0.745	0.638	-	14.4	20	58	0
1,1,2,2-Tetrachloroethane	0.485	0.398	-	17.9	20	56	0
4-Ethyltoluene	2.64	2.663	-	-0.9	20	62	0
2-Chlorotoluene	2.256	2.303	-	-2.1	20	63	0
1,3,5-Trimethylbenzene	2.283	2.149	-	5.9	20	58	0
1,2,3-Trichloropropane	0.39	0.319	-	18.2	20	57	0
trans-1,4-Dichloro-2-buten	0.136	0.111	-	18.4	20	59	0
4-Chlorotoluene	2.024	1.996	-	1.4	20	63	0
tert-Butylbenzene	1.97	1.963	-	0.4	20	61	0
1,2,4-Trimethylbenzene	2.245	2.053	-	8.6	20	57	0
sec-Butylbenzene	2.951	3.019	-	-2.3	20	61	0
p-Isopropyltoluene	2.525	2.46	-	2.6	20	59	0
1,3-Dichlorobenzene	1.274	1.239	-	2.7	20	62	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : PARKCHESTER CROSSING
Instrument ID : VOA130
Lab File ID : V30220912A01
Sample No : WG1686411-2
Channel :

Lab Number : L2248605
Project Number : 2530.0001Y000
Calibration Date : 09/12/22 06:54
Init. Calib. Date(s) : 08/19/22 08/19/22
Init. Calib. Times : 14:16 17:12

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.281	1.216	-	5.1	20	61	0
p-Diethylbenzene	1.53	1.412	-	7.7	20	58	0
n-Butylbenzene	2.345	2.348	-	-0.1	20	61	0
1,2-Dichlorobenzene	1.194	1.093	-	8.5	20	60	0
1,2,4,5-Tetramethylbenzene	2.338	1.766	-	24.5*	20	49	0
1,2-Dibromo-3-chloropropan	0.062	0.049	-	21*	20	54	0
1,3,5-Trichlorobenzene	1.017	0.866	-	14.8	20	55	0
Hexachlorobutadiene	0.461	0.407	-	11.7	20	57	0
1,2,4-Trichlorobenzene	0.884	0.753	-	14.8	20	56	0
Naphthalene	1.59	1.17	-	26.4*	20	49	0
1,2,3-Trichlorobenzene	0.784	0.647	-	17.5	20	54	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Lab File ID : V30220913A02
 Sample No : WG1686411-9
 Channel :

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Calibration Date : 09/13/22 07:02
 Init. Calib. Date(s) : 08/19/22 08/19/22
 Init. Calib. Times : 14:16 17:12

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	63	0
Dichlorodifluoromethane	0.204	0.106	-	48*	20	29	0
Chloromethane	0.235	0.186	-	20.9*	20	46	0
Vinyl chloride	0.233	0.205	-	12	20	50	0
Bromomethane	0.16	0.095	-	40.6*	20	36	0
Chloroethane	0.146	0.164	-	-12.3	20	66	0
Trichlorofluoromethane	0.358	0.346	-	3.4	20	56	0
Ethyl ether	0.084	0.068	-	19	20	48	0
1,1-Dichloroethene	0.19	0.189	-	0.5	20	57	0
Carbon disulfide	0.472	0.473	-	-0.2	20	59	0
Freon-113	0.211	0.204	-	3.3	20	54	0
Acrolein	0.021	0.019	-	9.5	20	58	0
Methylene chloride	0.213	0.204	-	4.2	20	59	0
Acetone	0.033	0.032	-	3	20	62	0
trans-1,2-Dichloroethene	0.206	0.195	-	5.3	20	55	0
Methyl acetate	0.086	0.071	-	17.4	20	52	0
Methyl tert-butyl ether	0.401	0.268	-	33.2*	20	42	0
tert-Butyl alcohol	0.00619	0.0051*	-	17.6	20	58	-.01
Diisopropyl ether	0.698	0.577	-	17.3	20	53	0
1,1-Dichloroethane	0.412	0.4	-	2.9	20	58	0
Halothane	0.159	0.143	-	10.1	20	53	0
Acrylonitrile	0.043	0.037	-	14	20	54	0
Ethyl tert-butyl ether	0.554	0.433	-	21.8*	20	52	0
Vinyl acetate	0.368	0.264	-	28.3*	20	51	0
cis-1,2-Dichloroethene	0.237	0.219	-	7.6	20	56	0
2,2-Dichloropropane	0.271	0.227	-	16.2	20	54	0
Bromochloromethane	0.103	0.09*	-	12.6	20	54	0
Cyclohexane	0.408	0.365	-	10.5	20	51	0
Chloroform	0.404	0.389	-	3.7	20	57	0
Ethyl acetate	0.118	0.082	-	30.5*	20	47	0
Carbon tetrachloride	0.287	0.28	-	2.4	20	56	0
Tetrahydrofuran	0.032	0.024	-	25*	20	46	0
Dibromofluoromethane	0.264	0.269	-	-1.9	20	64	0
1,1,1-Trichloroethane	0.335	0.303	-	9.6	20	52	0
2-Butanone	0.05	0.043	-	14	20	58	-.01
1,1-Dichloropropene	0.285	0.257	-	9.8	20	52	0
Benzene	0.848	0.793	-	6.5	20	55	0
tert-Amyl methyl ether	0.445	0.302	-	32.1*	20	46	0
1,2-Dichloroethane-d4	0.29	0.269	-	7.2	20	58	0
1,2-Dichloroethane	0.297	0.252	-	15.2	20	53	0
Methyl cyclohexane	0.383	0.352	-	8.1	20	54	0
Trichloroethene	0.221	0.211	-	4.5	20	54	0
Dibromomethane	0.118	0.101	-	14.4	20	54	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : PARKCHESTER CROSSING
 Instrument ID : VOA130
 Lab File ID : V30220913A02
 Sample No : WG1686411-9
 Channel :

Lab Number : L2248605
 Project Number : 2530.0001Y000
 Calibration Date : 09/13/22 07:02
 Init. Calib. Date(s) : 08/19/22 08/19/22
 Init. Calib. Times : 14:16 17:12

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.224	0.201	-	10.3	20	55	0
Bromodichloromethane	0.303	0.265*	-	12.5	20	55	-.01
1,4-Dioxane	0.00074	0.00078*	-	-5.4	20	60	0
cis-1,3-Dichloropropene	0.301	0.264*	-	12.3	20	54	0
Chlorobenzene-d5	1	1	-	0	20	64	0
Toluene-d8	1.299	1.319	-	-1.5	20	64	0
Toluene	0.726	0.681	-	6.2	20	57	0
4-Methyl-2-pentanone	0.064	0.048	-	25*	20	49	0
Tetrachloroethene	0.308	0.289	-	6.2	20	56	0
trans-1,3-Dichloropropene	10	8.836	-	11.6	20	57	0
Ethyl methacrylate	0.241	0.183	-	24.1*	20	52	0
1,1,2-Trichloroethane	0.177	0.155*	-	12.4	20	56	0
Chlorodibromomethane	0.261	0.23	-	11.9	20	58	0
1,3-Dichloropropane	0.373	0.32	-	14.2	20	54	0
1,2-Dibromoethane	0.199	0.17*	-	14.6	20	54	0
2-Hexanone	0.112	0.082	-	26.8*	20	51	0
Chlorobenzene	0.802	0.755	-	5.9	20	58	0
Ethylbenzene	1.414	1.301	-	8	20	55	0
1,1,1,2-Tetrachloroethane	0.268	0.244	-	9	20	59	0
p/m Xylene	0.526	0.508	-	3.4	20	57	0
o Xylene	0.513	0.483	-	5.8	20	56	0
Styrene	0.829	0.817	-	1.4	20	58	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	66	0
Bromoform	0.293	0.253	-	13.7	20	61	0
Isopropylbenzene	2.676	2.466	-	7.8	20	56	0
4-Bromofluorobenzene	0.948	0.888	-	6.3	20	61	0
Bromobenzene	0.664	0.568	-	14.5	20	56	0
n-Propylbenzene	3.228	3.08	-	4.6	20	57	0
1,4-Dichlorobutane	0.745	0.596	-	20	20	54	0
1,1,2,2-Tetrachloroethane	0.485	0.375	-	22.7*	20	53	0
4-Ethyltoluene	2.64	2.421	-	8.3	20	57	0
2-Chlorotoluene	2.256	2.071	-	8.2	20	57	0
1,3,5-Trimethylbenzene	2.283	1.944	-	14.8	20	53	0
1,2,3-Trichloropropane	0.39	0.301	-	22.8*	20	53	0
trans-1,4-Dichloro-2-buten	0.136	0.104	-	23.5*	20	55	0
4-Chlorotoluene	2.024	1.823	-	9.9	20	57	0
tert-Butylbenzene	1.97	1.773	-	10	20	55	0
1,2,4-Trimethylbenzene	2.245	1.898	-	15.5	20	53	0
sec-Butylbenzene	2.951	2.775	-	6	20	56	0
p-Isopropyltoluene	2.525	2.262	-	10.4	20	54	0
1,3-Dichlorobenzene	1.274	1.16	-	8.9	20	58	0
1,4-Dichlorobenzene	1.281	1.132	-	11.6	20	57	0
p-Diethylbenzene	1.53	1.306	-	14.6	20	54	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : PARKCHESTER CROSSING
Instrument ID : VOA130
Lab File ID : V30220913A02
Sample No : WG1686411-9
Channel :

Lab Number : L2248605
Project Number : 2530.0001Y000
Calibration Date : 09/13/22 07:02
Init. Calib. Date(s) : 08/19/22 08/19/22
Init. Calib. Times : 14:16 17:12

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.345	2.112	-	9.9	20	54	0
1,2-Dichlorobenzene	1.194	1.034	-	13.4	20	57	0
1,2,4,5-Tetramethylbenzene	2.338	1.629	-	30.3*	20	45	0
1,2-Dibromo-3-chloropropan	0.062	0.052	-	16.1	20	58	0
1,3,5-Trichlorobenzene	1.017	0.824	-	19	20	52	0
Hexachlorobutadiene	0.461	0.375	-	18.7	20	52	0
1,2,4-Trichlorobenzene	0.884	0.712	-	19.5	20	53	0
Naphthalene	1.59	1.151	-	27.6*	20	48	0
1,2,3-Trichlorobenzene	0.784	0.649	-	17.2	20	54	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-2
 Misc : WG1686411,ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	67	0.00
2 TP	Dichlorodifluoromethane	0.204	0.125	38.7#	37#	0.00
3 TP	Chloromethane	0.235	0.211	10.2	57	0.00
4 TC	Vinyl chloride	0.233	0.228	2.1	60	0.00
5 TP	Bromomethane	0.160	0.087	45.6#	35#	0.00
6 TP	Chloroethane	0.146	0.165	-13.0	72	0.00
7 TP	Trichlorofluoromethane	0.358	0.352	1.7	61	0.00
8 TP	Ethyl ether	0.084	0.067	20.2#	52	0.00
10 TC	1,1-Dichloroethene	0.190	0.197	-3.7	64	0.00
11 TP	Carbon disulfide	0.472	0.506	-7.2	68	0.00
12 TP	Freon-113	0.211	0.211	0.0	60	0.00
13 TP	Iodomethane	0.212	0.094	55.7#	30#	0.00
14 TP	Acrolein	0.021	0.017	19.0	54	0.00
15 TP	Methylene chloride	0.213	0.210	1.4	65	0.00
17 TP	Acetone	0.033	0.031	6.1	65	0.00
18 TP	trans-1,2-Dichloroethene	0.206	0.201	2.4	61	0.00
19 TP	Methyl acetate	0.086	0.070	18.6	55	0.00
20 TP	Methyl tert-butyl ether	0.401	0.274	31.7#	47#	0.00
21 TP	tert-Butyl alcohol	0.00619	0.00523#	15.5	64	-0.02
22 TP	Diisopropyl ether	0.698	0.609	12.8	60	0.00
23 TP	1,1-Dichloroethane	0.412	0.418	-1.5	65	0.00
24 TP	Halothane	0.159	0.157	1.3	62	0.00
25 TP	Acrylonitrile	0.043	0.035	18.6	56	-0.01
26 TP	Ethyl tert-butyl ether	0.554	0.450	18.8	58	0.00
27 TP	Vinyl acetate	0.368	0.274	25.5#	57	0.00
28 TP	cis-1,2-Dichloroethene	0.237	0.227	4.2	63	0.00
29 TP	2,2-Dichloropropane	0.271	0.252	7.0	65	0.00
30 TP	Bromochloromethane	0.103	0.094#	8.7	61	-0.01
31 TP	Cyclohexane	0.408	0.387	5.1	59	0.00
32 TC	Chloroform	0.404	0.395	2.2	63	0.00
33 TP	Ethyl acetate	0.118	0.078	33.9#	48#	0.00
34 TP	Carbon tetrachloride	0.287	0.294	-2.4	63	0.00
35 TP	Tetrahydrofuran	0.032	0.031	3.1	63	-0.01
36 S	Dibromofluoromethane	0.264	0.259	1.9	67	0.00
37 TP	1,1,1-Trichloroethane	0.335	0.316	5.7	58	0.00
39 TP	2-Butanone	0.050	0.043	14.0	62	-0.01
40 TP	1,1-Dichloropropene	0.285	0.277	2.8	60	0.00
41 TP	Benzene	0.848	0.822	3.1	62	0.00
42 TP	tert-Amyl methyl ether	0.445	0.315	29.2#	51	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-2
 Misc : WG1686411,ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	0.290	0.265	8.6	62	-0.01
44 TP	1,2-Dichloroethane	0.297	0.256	13.8	58	0.00
47 TP	Methyl cyclohexane	0.383	0.364	5.0	60	0.00
48 TP	Trichloroethene	0.221	0.217	1.8	60	0.00
50 TP	Dibromomethane	0.118	0.099	16.1	57	-0.01
51 TC	1,2-Dichloropropane	0.224	0.213	4.9	62	0.00
53 TP	2-Chloroethyl vinyl ether	0.108	0.083	23.1#	53	0.00
54 TP	Bromodichloromethane	0.303	0.278#	8.3	62	0.00
57 TP	1,4-Dioxane	0.00074	0.00086#	-16.2	72	0.00
58 TP	cis-1,3-Dichloropropene	0.301	0.276#	8.3	61	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	66	0.00
60 S	Toluene-d8	1.299	1.360	-4.7	69	0.00
61 TC	Toluene	0.726	0.732	-0.8	63	0.00
62 TP	4-Methyl-2-pentanone	0.064	0.047	26.6#	50#	0.00
63 TP	Tetrachloroethene	0.308	0.305	1.0	61	0.00
65 TP	trans-1,3-Dichloropropene	* 10.000	9.325	6.8	62	0.00
67 TP	Ethyl methacrylate	0.241	0.180	25.3#	53	0.00
68 TP	1,1,2-Trichloroethane	0.177	0.153#	13.6	57	0.00
69 TP	Chlorodibromomethane	0.261	0.232	11.1	60	0.00
70 TP	1,3-Dichloropropane	0.373	0.330	11.5	58	0.00
71 TP	1,2-Dibromoethane	0.199	0.172#	13.6	56	0.00
72 TP	2-Hexanone	0.112	0.081	27.7#	52	0.00
73 TP	Chlorobenzene	0.802	0.792	1.2	63	0.00
74 TC	Ethylbenzene	1.414	1.407	0.5	61	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.268	0.252	6.0	63	0.00
76 TP	p/m Xylene	0.526	0.532	-1.1	62	0.00
77 TP	o Xylene	0.513	0.516	-0.6	62	0.00
78 TP	Styrene	0.829	0.858	-3.5	63	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	66	0.00
80 TP	Bromoform	0.293	0.266	9.2	64	0.00
82 TP	Isopropylbenzene	2.676	2.707	-1.2	61	0.00
83 S	4-Bromofluorobenzene	0.948	0.944	0.4	65	0.00
84 TP	Bromobenzene	0.664	0.604	9.0	60	0.00
85 TP	n-Propylbenzene	3.228	3.387	-4.9	63	0.00
86 TP	1,4-Dichlorobutane	0.745	0.638	14.4	58	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.485	0.398	17.9	56	0.00
88 TP	4-Ethyltoluene	2.640	2.663	-0.9	62	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-2
 Misc : WG1686411,ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	2.256	2.303	-2.1	63	0.00
90 TP	1,3,5-Trimethylbenzene	2.283	2.149	5.9	58	0.00
91 TP	1,2,3-Trichloropropane	0.390	0.319	18.2	57	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.136	0.111	18.4	59	0.00
93 TP	4-Chlorotoluene	2.024	1.996	1.4	63	0.00
94 TP	tert-Butylbenzene	1.970	1.963	0.4	61	0.00
97 TP	1,2,4-Trimethylbenzene	2.245	2.053	8.6	57	0.00
98 TP	sec-Butylbenzene	2.951	3.019	-2.3	61	0.00
99 TP	p-Isopropyltoluene	2.525	2.460	2.6	59	0.00
100 TP	1,3-Dichlorobenzene	1.274	1.239	2.7	62	0.00
101 TP	1,4-Dichlorobenzene	1.281	1.216	5.1	61	0.00
102 TP	p-Diethylbenzene	1.530	1.412	7.7	58	0.00
103 TP	n-Butylbenzene	2.345	2.348	-0.1	61	0.00
104 TP	1,2-Dichlorobenzene	1.194	1.093	8.5	60	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.338	1.766	24.5#	49#	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.062	0.049	21.0#	54	0.00
107 TP	1,3,5-Trichlorobenzene	1.017	0.866	14.8	55	0.00
108 TP	Hexachlorobutadiene	0.461	0.407	11.7	57	0.00
109 TP	1,2,4-Trichlorobenzene	0.884	0.753	14.8	56	0.00
110 TP	Naphthalene	1.590	1.170	26.4#	49#	0.00
111 TP	1,2,3-Trichlorobenzene	0.784	0.647	17.5	54	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-2
 Misc : WG1686411,ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	180811	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.493	117	130036	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	9.985	152	66946	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.488	113	46845	9.811	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.11%	
43) 1,2-Dichloroethane-d4	5.127	65	47995	9.155	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	=	91.55%	
60) Toluene-d8	7.190	98	176837	10.469	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.69%	
83) 4-Bromofluorobenzene	9.315	95	63201	9.957	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.57%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.935	85	22568	6.133	ug/L	98
3) Chloromethane	1.058	50	38144	8.983	ug/L	99
4) Vinyl chloride	1.108	62	41191	9.777	ug/L	96
5) Bromomethane	1.312	94	15701	5.414	ug/L	99
6) Chloroethane	1.398	64	29805	11.262	ug/L	100
7) Trichlorofluoromethane	1.493	101	63669	9.831	ug/L	95
8) Ethyl ether	1.725	74	12175	7.971	ug/L	84
10) 1,1-Dichloroethene	1.853	96	35575	10.333	ug/L	80
11) Carbon disulfide	1.858	76	91521	10.714	ug/L	100
12) Freon-113	1.900	101	38168	9.983	ug/L	97
13) Iodomethane	1.950	142	17027	4.436	ug/L	91
14) Acrolein	2.126	56	2984	7.924	ug/L	98
15) Methylene chloride	2.338	84	37907	9.821	ug/L	83
17) Acetone	2.397	43	5535	9.275	ug/L	# 82
18) trans-1,2-Dichloroethene	2.483	96	36420	9.780	ug/L	85
19) Methyl acetate	2.525	43	12616	8.149	ug/L	# 96
20) Methyl tert-butyl ether	2.617	73	49530	6.829	ug/L	91
21) tert-Butyl alcohol	2.765	59	4729M1	42.227	ug/L	
22) Diisopropyl ether	3.046	45	110171	8.728	ug/L	# 91
23) 1,1-Dichloroethane	3.116	63	75538	10.152	ug/L	99
24) Halothane	3.272	117	28308	9.863	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-2
 Misc : WG1686411,ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.186	53	6398	8.147	ug/L	# 88
26) Ethyl tert-butyl ether	3.495	59	81338	8.119	ug/L	98
27) Vinyl acetate	3.493	43	49547	7.448	ug/L	97
28) cis-1,2-Dichloroethene	3.808	96	41003	9.584	ug/L	# 78
29) 2,2-Dichloropropane	3.947	77	45485	9.270	ug/L	# 68
30) Bromochloromethane	4.075	128	17027	9.148	ug/L	# 69
31) Cyclohexane	4.048	56	69929	9.476	ug/L	74
32) Chloroform	4.240	83	71502	9.800	ug/L	# 97
33) Ethyl acetate	4.497	43	14045	6.588	ug/L	# 84
34) Carbon tetrachloride	4.363	117	53116	10.248	ug/L	# 93
35) Tetrahydrofuran	4.432	42	5543M1	9.580	ug/L	
37) 1,1,1-Trichloroethane	4.460	97	57085	9.415	ug/L	# 96
39) 2-Butanone	4.678	43	7802	8.550	ug/L	98
40) 1,1-Dichloropropene	4.639	75	50055	9.704	ug/L	# 70
41) Benzene	4.954	78	148682	9.701	ug/L	94
42) tert-Amyl methyl ether	5.185	73	56944	7.083	ug/L	# 86
44) 1,2-Dichloroethane	5.210	62	46322	8.626	ug/L	99
47) Methyl cyclohexane	5.640	83	65900	9.514	ug/L	83
48) Trichloroethene	5.676	95	39178	9.822	ug/L	99
50) Dibromomethane	6.122	93	17940	8.444	ug/L	96
51) 1,2-Dichloropropane	6.239	63	38506	9.517	ug/L	97
53) 2-Chloroethyl vinyl ether	7.001	63	14983	7.701	ug/L	96
54) Bromodichloromethane	6.351	83	50260	9.185	ug/L	98
57) 1,4-Dioxane	6.580	88	7806	582.885	ug/L	88
58) cis-1,3-Dichloropropene	7.012	75	49878	9.169	ug/L	96
61) Toluene	7.241	92	95201	10.084	ug/L	97
62) 4-Methyl-2-pentanone	7.656	58	6060	7.258	ug/L	# 92
63) Tetrachloroethene	7.598	166	39623	9.907	ug/L	94
65) trans-1,3-Dichloropropene	7.667	75	38014	9.325	ug/L	98
67) Ethyl methacrylate	7.860	69	23442	7.470	ug/L	97
68) 1,1,2-Trichloroethane	7.796	83	19947	8.691	ug/L	97
69) Chlorodibromomethane	7.932	129	30134	8.890	ug/L	98
70) 1,3-Dichloropropane	8.008	76	42934	8.861	ug/L	100
71) 1,2-Dibromoethane	8.088	107	22343	8.615	ug/L	100
72) 2-Hexanone	8.337	43	10519	7.191	ug/L	97
73) Chlorobenzene	8.507	112	103012	9.881	ug/L	93
74) Ethylbenzene	8.549	91	182937	9.951	ug/L	100
75) 1,1,1,2-Tetrachloroethane	8.565	131	32780	9.408	ug/L	96
76) p/m Xylene	8.657	106	138436	20.245	ug/L	97
77) o Xylene	8.939	106	134145	20.092	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-2
 Misc : WG1686411, ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.978	104	223067	20.693	ug/L	93
80)	Bromoform	8.978	173	17839	9.106	ug/L	91
82)	Isopropylbenzene	9.151	105	181250	10.119	ug/L	99
84)	Bromobenzene	9.371	156	40451	9.099	ug/L	96
85)	n-Propylbenzene	9.410	91	226769	10.495	ug/L	99
86)	1,4-Dichlorobutane	9.413	55	42740	8.567	ug/L	97
87)	1,1,2,2-Tetrachloroethane	9.460	83	26621	8.202	ug/L	99
88)	4-Ethyltoluene	9.480	105	178247	10.086	ug/L	98
89)	2-Chlorotoluene	9.491	91	154152	10.208	ug/L	98
90)	1,3,5-Trimethylbenzene	9.536	105	143860	9.414	ug/L	95
91)	1,2,3-Trichloropropane	9.527	75	21366	8.193	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.561	53	7423	8.179	ug/L	88
93)	4-Chlorotoluene	9.594	91	133628	9.863	ug/L	97
94)	tert-Butylbenzene	9.720	119	131412	9.966	ug/L	95
97)	1,2,4-Trimethylbenzene	9.764	105	137463	9.147	ug/L	96
98)	sec-Butylbenzene	9.826	105	202132	10.233	ug/L	99
99)	p-Isopropyltoluene	9.912	119	164678	9.740	ug/L	97
100)	1,3-Dichlorobenzene	9.940	146	82941	9.724	ug/L	99
101)	1,4-Dichlorobenzene	9.993	146	81386	9.489	ug/L	98
102)	p-Diethylbenzene	10.124	119	94548	9.233	ug/L	95
103)	n-Butylbenzene	10.155	91	157205	10.012	ug/L	99
104)	1,2-Dichlorobenzene	10.233	146	73182	9.153	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	118223	7.554	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.690	155	3282	7.886	ug/L	80
107)	1,3,5-Trichlorobenzene	10.704	180	57944	8.509	ug/L	95
108)	Hexachlorobutadiene	11.053	225	27279	8.842	ug/L	95
109)	1,2,4-Trichlorobenzene	11.064	180	50406	8.518	ug/L	98
110)	Naphthalene	11.245	128	78311	7.359	ug/L	100
111)	1,2,3-Trichlorobenzene	11.346	180	43327	8.255	ug/L	100

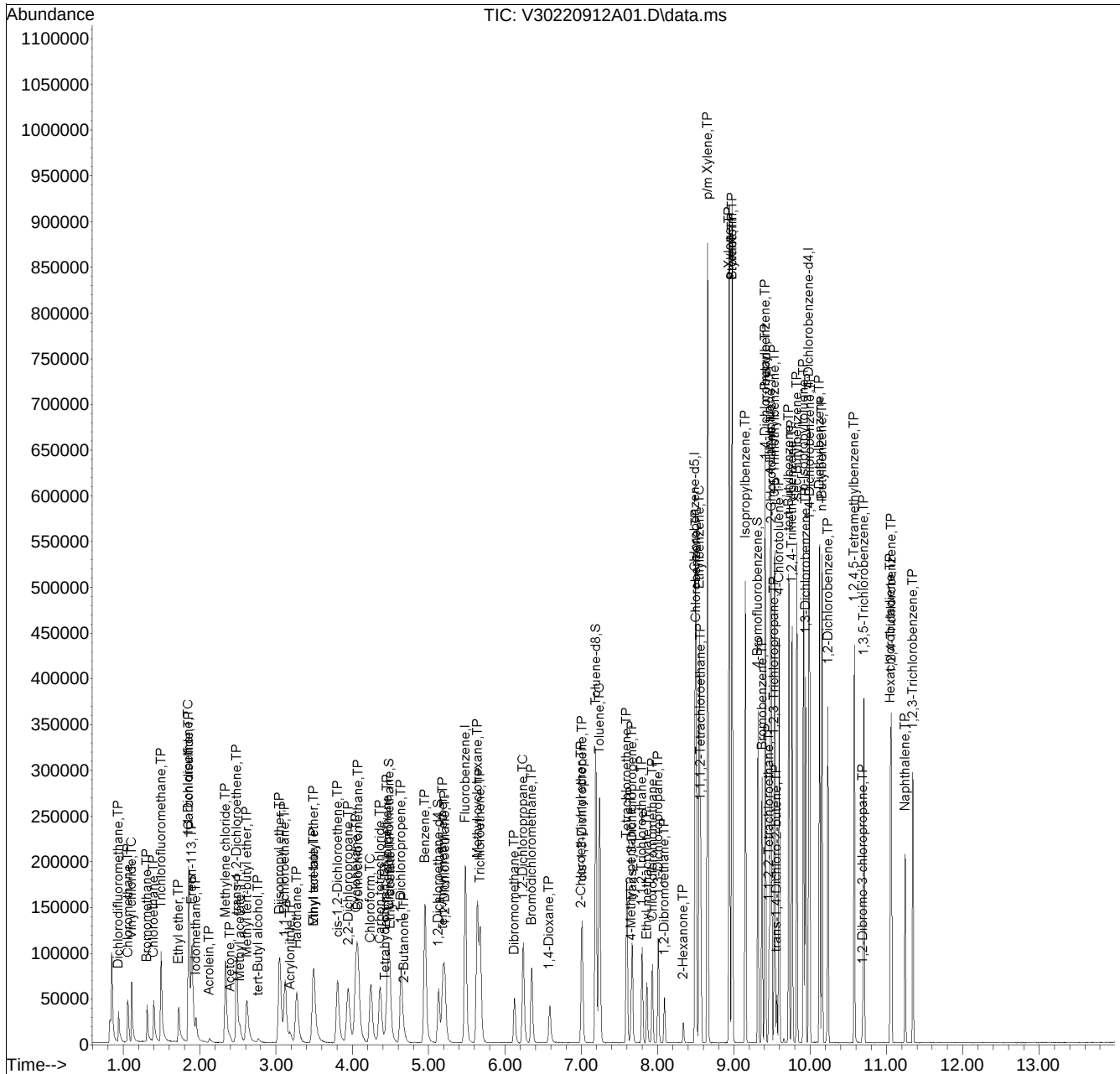
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
Data File : V30220912A01.D
Acq On : 12 Sep 2022 06:54 am
Operator : VOA130:MV
Sample : WG1686411-2
Misc : WG1686411,ICAL19274
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

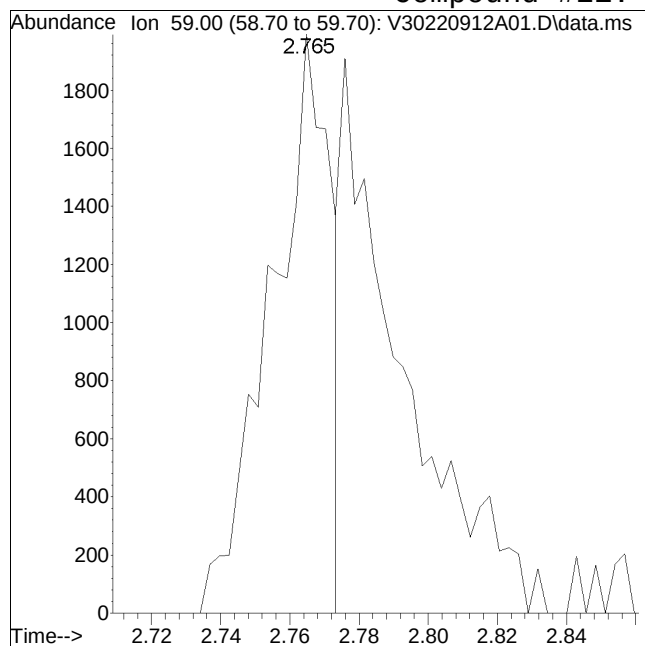
Sub List : 8260-Curve - Megamix plus Diox20912A\V30220912A01.D•



Manual Integration Report

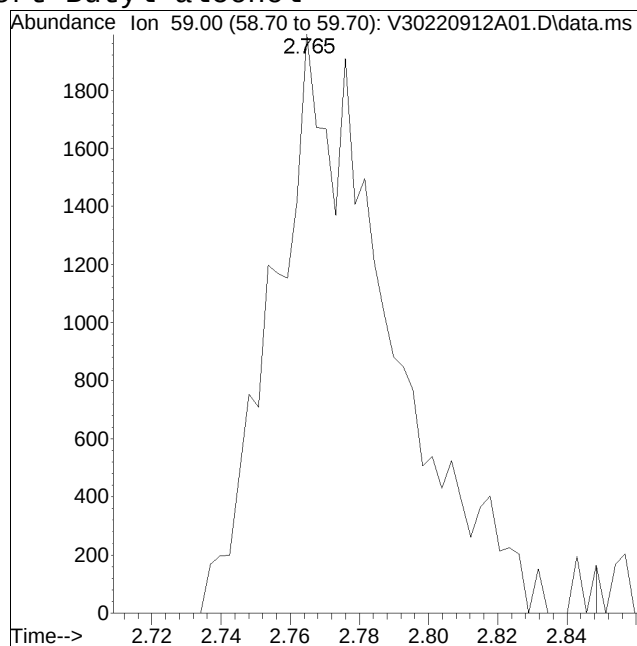
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A01.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 6:54 am Instrument : VOA130
Sample : WG1686411-2 Quant Date : 9/12/2022 7:27 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 2366

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

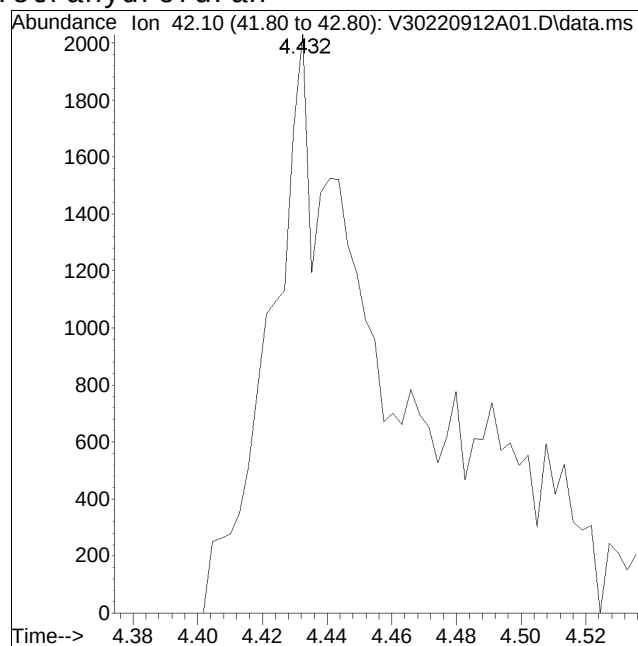
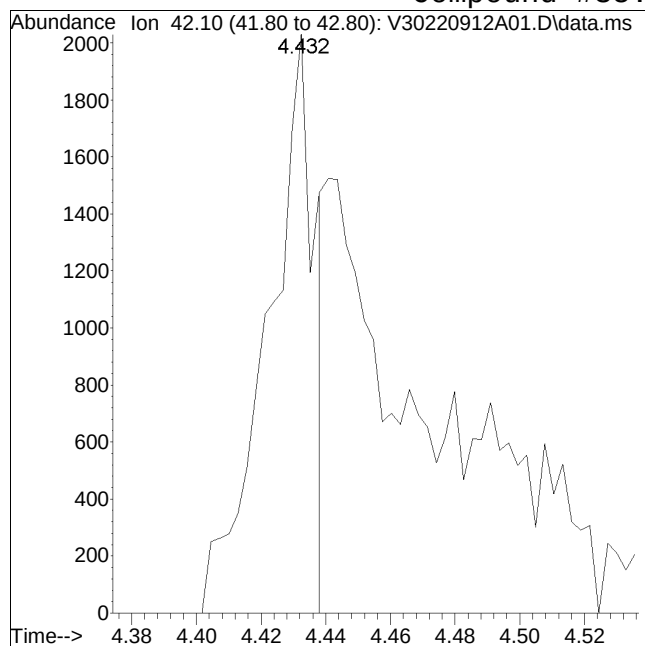


Manual Peak Response = 4729 M1

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A01.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 6:54 am Instrument : VOA130
Sample : WG1686411-2 Quant Date : 9/12/2022 7:27 am

Compound #35: Tetrahydrofuran



Original Peak Response = 2025

Manual Peak Response = 5543 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-9
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	63	0.00
2 TP	Dichlorodifluoromethane	0.204	0.106	48.0#	29#	0.00
3 TP	Chloromethane	0.235	0.186	20.9#	46#	0.00
4 TC	Vinyl chloride	0.233	0.205	12.0	50	0.00
5 TP	Bromomethane	0.160	0.095	40.6#	36#	0.00
6 TP	Chloroethane	0.146	0.164	-12.3	66	0.00
7 TP	Trichlorofluoromethane	0.358	0.346	3.4	56	0.00
8 TP	Ethyl ether	0.084	0.068	19.0	48#	0.00
10 TC	1,1-Dichloroethene	0.190	0.189	0.5	57	0.00
11 TP	Carbon disulfide	0.472	0.473	-0.2	59	0.00
12 TP	Freon-113	0.211	0.204	3.3	54	0.00
14 TP	Acrolein	0.021	0.019	9.5	58	0.00
15 TP	Methylene chloride	0.213	0.204	4.2	59	0.00
17 TP	Acetone	0.033	0.032	3.0	62	0.00
18 TP	trans-1,2-Dichloroethene	0.206	0.195	5.3	55	0.00
19 TP	Methyl acetate	0.086	0.071	17.4	52	0.00
20 TP	Methyl tert-butyl ether	0.401	0.268	33.2#	42#	0.00
21 TP	tert-Butyl alcohol	0.00619	0.00510#	17.6	58	-0.01
22 TP	Diisopropyl ether	0.698	0.577	17.3	53	0.00
23 TP	1,1-Dichloroethane	0.412	0.400	2.9	58	0.00
24 TP	Halothane	0.159	0.143	10.1	53	0.00
25 TP	Acrylonitrile	0.043	0.037	14.0	54	0.00
26 TP	Ethyl tert-butyl ether	0.554	0.433	21.8#	52	0.00
27 TP	Vinyl acetate	0.368	0.264	28.3#	51	0.00
28 TP	cis-1,2-Dichloroethene	0.237	0.219	7.6	56	0.00
29 TP	2,2-Dichloropropane	0.271	0.227	16.2	54	0.00
30 TP	Bromochloromethane	0.103	0.090#	12.6	54	0.00
31 TP	Cyclohexane	0.408	0.365	10.5	51	0.00
32 TC	Chloroform	0.404	0.389	3.7	57	0.00
33 TP	Ethyl acetate	0.118	0.082	30.5#	47#	0.00
34 TP	Carbon tetrachloride	0.287	0.280	2.4	56	0.00
35 TP	Tetrahydrofuran	0.032	0.024	25.0#	46#	0.00
36 S	Dibromofluoromethane	0.264	0.269	-1.9	64	0.00
37 TP	1,1,1-Trichloroethane	0.335	0.303	9.6	52	0.00
39 TP	2-Butanone	0.050	0.043	14.0	58	-0.01
40 TP	1,1-Dichloropropene	0.285	0.257	9.8	52	0.00
41 TP	Benzene	0.848	0.793	6.5	55	0.00
42 TP	tert-Amyl methyl ether	0.445	0.302	32.1#	46#	0.00
43 S	1,2-Dichloroethane-d4	0.290	0.269	7.2	58	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-9
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	0.297	0.252	15.2	53	0.00
47 TP	Methyl cyclohexane	0.383	0.352	8.1	54	0.00
48 TP	Trichloroethene	0.221	0.211	4.5	54	0.00
50 TP	Dibromomethane	0.118	0.101	14.4	54	0.00
51 TC	1,2-Dichloropropane	0.224	0.201	10.3	55	0.00
54 TP	Bromodichloromethane	0.303	0.265#	12.5	55	-0.01
57 TP	1,4-Dioxane	0.00074	0.00078#	-5.4	60	0.00
58 TP	cis-1,3-Dichloropropene	0.301	0.264#	12.3	54	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	64	0.00
60 S	Toluene-d8	1.299	1.319	-1.5	64	0.00
61 TC	Toluene	0.726	0.681	6.2	57	0.00
62 TP	4-Methyl-2-pentanone	0.064	0.048	25.0#	49#	0.00
63 TP	Tetrachloroethene	0.308	0.289	6.2	56	0.00
65 TP	trans-1,3-Dichloropropene	* 10.000	8.836	11.6	57	0.00
67 TP	Ethyl methacrylate	0.241	0.183	24.1#	52	0.00
68 TP	1,1,2-Trichloroethane	0.177	0.155#	12.4	56	0.00
69 TP	Chlorodibromomethane	0.261	0.230	11.9	58	0.00
70 TP	1,3-Dichloropropane	0.373	0.320	14.2	54	0.00
71 TP	1,2-Dibromoethane	0.199	0.170#	14.6	54	0.00
72 TP	2-Hexanone	0.112	0.082	26.8#	51	0.00
73 TP	Chlorobenzene	0.802	0.755	5.9	58	0.00
74 TC	Ethylbenzene	1.414	1.301	8.0	55	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.268	0.244	9.0	59	0.00
76 TP	p/m Xylene	0.526	0.508	3.4	57	0.00
77 TP	o Xylene	0.513	0.483	5.8	56	0.00
78 TP	Styrene	0.829	0.817	1.4	58	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	66	0.00
80 TP	Bromoform	0.293	0.253	13.7	61	0.00
82 TP	Isopropylbenzene	2.676	2.466	7.8	56	0.00
83 S	4-Bromofluorobenzene	0.948	0.888	6.3	61	0.00
84 TP	Bromobenzene	0.664	0.568	14.5	56	0.00
85 TP	n-Propylbenzene	3.228	3.080	4.6	57	0.00
86 TP	1,4-Dichlorobutane	0.745	0.596	20.0#	54	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.485	0.375	22.7#	53	0.00
88 TP	4-Ethyltoluene	2.640	2.421	8.3	57	0.00
89 TP	2-Chlorotoluene	2.256	2.071	8.2	57	0.00
90 TP	1,3,5-Trimethylbenzene	2.283	1.944	14.8	53	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-9
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 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	0.390	0.301	22.8#	53	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.136	0.104	23.5#	55	0.00
93 TP	4-Chlorotoluene	2.024	1.823	9.9	57	0.00
94 TP	tert-Butylbenzene	1.970	1.773	10.0	55	0.00
97 TP	1,2,4-Trimethylbenzene	2.245	1.898	15.5	53	0.00
98 TP	sec-Butylbenzene	2.951	2.775	6.0	56	0.00
99 TP	p-Isopropyltoluene	2.525	2.262	10.4	54	0.00
100 TP	1,3-Dichlorobenzene	1.274	1.160	8.9	58	0.00
101 TP	1,4-Dichlorobenzene	1.281	1.132	11.6	57	0.00
102 TP	p-Diethylbenzene	1.530	1.306	14.6	54	0.00
103 TP	n-Butylbenzene	2.345	2.112	9.9	54	0.00
104 TP	1,2-Dichlorobenzene	1.194	1.034	13.4	57	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.338	1.629	30.3#	45#	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.062	0.052	16.1	58	0.00
107 TP	1,3,5-Trichlorobenzene	1.017	0.824	19.0	52	0.00
108 TP	Hexachlorobutadiene	0.461	0.375	18.7	52	0.00
109 TP	1,2,4-Trichlorobenzene	0.884	0.712	19.5	53	0.00
110 TP	Naphthalene	1.590	1.151	27.6#	48#	0.00
111 TP	1,2,3-Trichlorobenzene	0.784	0.649	17.2	54	0.00

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-9
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

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

Internal Standards						
1) Fluorobenzene	5.484	96	167817	10.000	ug/L	0.00
Standard Area 1 = 167817			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.496	117	125779	10.000	ug/L	0.00
Standard Area 1 = 125779			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	9.985	152	66872	10.000	ug/L	0.00
Standard Area 1 = 66872			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.485	113	45128	10.183	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.83%	
43) 1,2-Dichloroethane-d4	5.138	65	45144	9.278	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	92.78%	
60) Toluene-d8	7.191	98	165842	10.151	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.51%	
83) 4-Bromofluorobenzene	9.315	95	59386	9.367	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.67%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.938	85	17765	5.202	ug/L	99
3) Chloromethane	1.055	50	31256	7.931	ug/L	99
4) Vinyl chloride	1.108	62	34361	8.788	ug/L	96
5) Bromomethane	1.312	94	16023	5.953	ug/L	97
6) Chloroethane	1.398	64	27574	11.226	ug/L	99
7) Trichlorofluoromethane	1.493	101	58062	9.659	ug/L	94
8) Ethyl ether	1.727	74	11368	8.019	ug/L	81
10) 1,1-Dichloroethene	1.856	96	31733	9.931	ug/L #	75
11) Carbon disulfide	1.859	76	79421	10.017	ug/L	98
12) Freon-113	1.898	101	34181	9.633	ug/L	99
14) Acrolein	2.132	56	3194	9.138	ug/L	87
15) Methylene chloride	2.341	84	34234	9.557	ug/L	81
17) Acetone	2.397	43	5316	9.598	ug/L	94
18) trans-1,2-Dichloroethene	2.486	96	32686	9.457	ug/L	82
19) Methyl acetate	2.533	43	11993M3	8.346	ug/L	
20) Methyl tert-butyl ether	2.617	73	44985	6.682	ug/L #	73
21) tert-Butyl alcohol	2.770	59	4278	41.158	ug/L #	69
22) Diisopropyl ether	3.047	45	96852	8.267	ug/L	92
23) 1,1-Dichloroethane	3.122	63	67209	9.732	ug/L	99
24) Halothane	3.275	117	24022	9.018	ug/L	92
25) Acrylonitrile	3.194	53	6201	8.507	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-9
 Misc : WG1686411, ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.493	59	72737M1	7.822	ug/L	
27) Vinyl acetate	3.493	43	44299	7.175	ug/L #	94
28) cis-1,2-Dichloroethene	3.808	96	36720	9.248	ug/L #	78
29) 2,2-Dichloropropane	3.956	77	38115	8.369	ug/L #	76
30) Bromochloromethane	4.087	128	15162	8.777	ug/L #	73
31) Cyclohexane	4.053	56	61183	8.933	ug/L	76
32) Chloroform	4.246	83	65281	9.640	ug/L	98
33) Ethyl acetate	4.502	43	13819	6.984	ug/L #	84
34) Carbon tetrachloride	4.371	117	47015	9.773	ug/L #	94
35) Tetrahydrofuran	4.444	42	4026M3	7.497	ug/L	
37) 1,1,1-Trichloroethane	4.469	97	50839	9.034	ug/L #	95
39) 2-Butanone	4.681	43	7207M1	8.509	ug/L	
40) 1,1-Dichloropropene	4.639	75	43170	9.017	ug/L	96
41) Benzene	4.954	78	133133	9.359	ug/L	92
42) tert-Amyl methyl ether	5.194	73	50661	6.790	ug/L #	84
44) 1,2-Dichloroethane	5.216	62	42264	8.480	ug/L	98
47) Methyl cyclohexane	5.640	83	59056	9.187	ug/L #	79
48) Trichloroethene	5.679	95	35394	9.561	ug/L	98
50) Dibromomethane	6.131	93	16984	8.613	ug/L	96
51) 1,2-Dichloropropane	6.242	63	33770	8.993	ug/L	97
54) Bromodichloromethane	6.348	83	44454	8.753	ug/L	98
57) 1,4-Dioxane	6.583	88	6533	525.601	ug/L #	79
58) cis-1,3-Dichloropropene	7.015	75	44320	8.778	ug/L	95
61) Toluene	7.241	92	85629	9.377	ug/L	96
62) 4-Methyl-2-pentanone	7.653	58	6001	7.431	ug/L #	98
63) Tetrachloroethene	7.598	166	36329	9.391	ug/L	94
65) trans-1,3-Dichloropropene	7.670	75	34755	8.836	ug/L	95
67) Ethyl methacrylate	7.863	69	22994	7.575	ug/L	95
68) 1,1,2-Trichloroethane	7.798	83	19488	8.778	ug/L	100
69) Chlorodibromomethane	7.932	129	28906	8.816	ug/L	98
70) 1,3-Dichloropropane	8.010	76	40215	8.581	ug/L	100
71) 1,2-Dibromoethane	8.091	107	21361	8.515	ug/L	100
72) 2-Hexanone	8.337	43	10266	7.255	ug/L	95
73) Chlorobenzene	8.507	112	94962	9.417	ug/L	92
74) Ethylbenzene	8.549	91	163641	9.202	ug/L	100
75) 1,1,1,2-Tetrachloroethane	8.565	131	30691	9.107	ug/L	96
76) p/m Xylene	8.657	106	127813	19.324	ug/L	99
77) o Xylene	8.942	106	121466	18.808	ug/L	96
78) Styrene	8.978	104	205598	19.718	ug/L	92
80) Bromoform	8.978	173	16941	8.658	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-9
 Misc : WG1686411, ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Isopropylbenzene	9.151	105	164873	9.215	ug/L	98
84)	Bromobenzene	9.368	156	37957	8.547	ug/L	96
85)	n-Propylbenzene	9.410	91	205982	9.543	ug/L	99
86)	1,4-Dichlorobutane	9.413	55	39860	7.999	ug/L	96
87)	1,1,2,2-Tetrachloroethane	9.460	83	25088	7.738	ug/L	98
88)	4-Ethyltoluene	9.480	105	161868	9.169	ug/L	98
89)	2-Chlorotoluene	9.491	91	138488	9.181	ug/L	97
90)	1,3,5-Trimethylbenzene	9.536	105	129996	8.516	ug/L	93
91)	1,2,3-Trichloropropane	9.530	75	20135	7.730	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.564	53	6948	7.664	ug/L	93
93)	4-Chlorotoluene	9.594	91	121927	9.009	ug/L	95
94)	tert-Butylbenzene	9.720	119	118586	9.003	ug/L	94
97)	1,2,4-Trimethylbenzene	9.764	105	126893	8.453	ug/L	96
98)	sec-Butylbenzene	9.826	105	185592	9.406	ug/L	99
99)	p-Isopropyltoluene	9.915	119	151272	8.957	ug/L	97
100)	1,3-Dichlorobenzene	9.940	146	77585	9.106	ug/L	99
101)	1,4-Dichlorobenzene	9.993	146	75731	8.840	ug/L	97
102)	p-Diethylbenzene	10.124	119	87317	8.536	ug/L	96
103)	n-Butylbenzene	10.155	91	141267	9.007	ug/L	99
104)	1,2-Dichlorobenzene	10.233	146	69116	8.654	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	108930	6.968	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.688	155	3493	8.403	ug/L	92
107)	1,3,5-Trichlorobenzene	10.704	180	55072	8.096	ug/L	95
108)	Hexachlorobutadiene	11.053	225	25094	8.143	ug/L	96
109)	1,2,4-Trichlorobenzene	11.064	180	47642	8.060	ug/L	99
110)	Naphthalene	11.245	128	76963	7.240	ug/L	100
111)	1,2,3-Trichlorobenzene	11.346	180	43412	8.281	ug/L	98

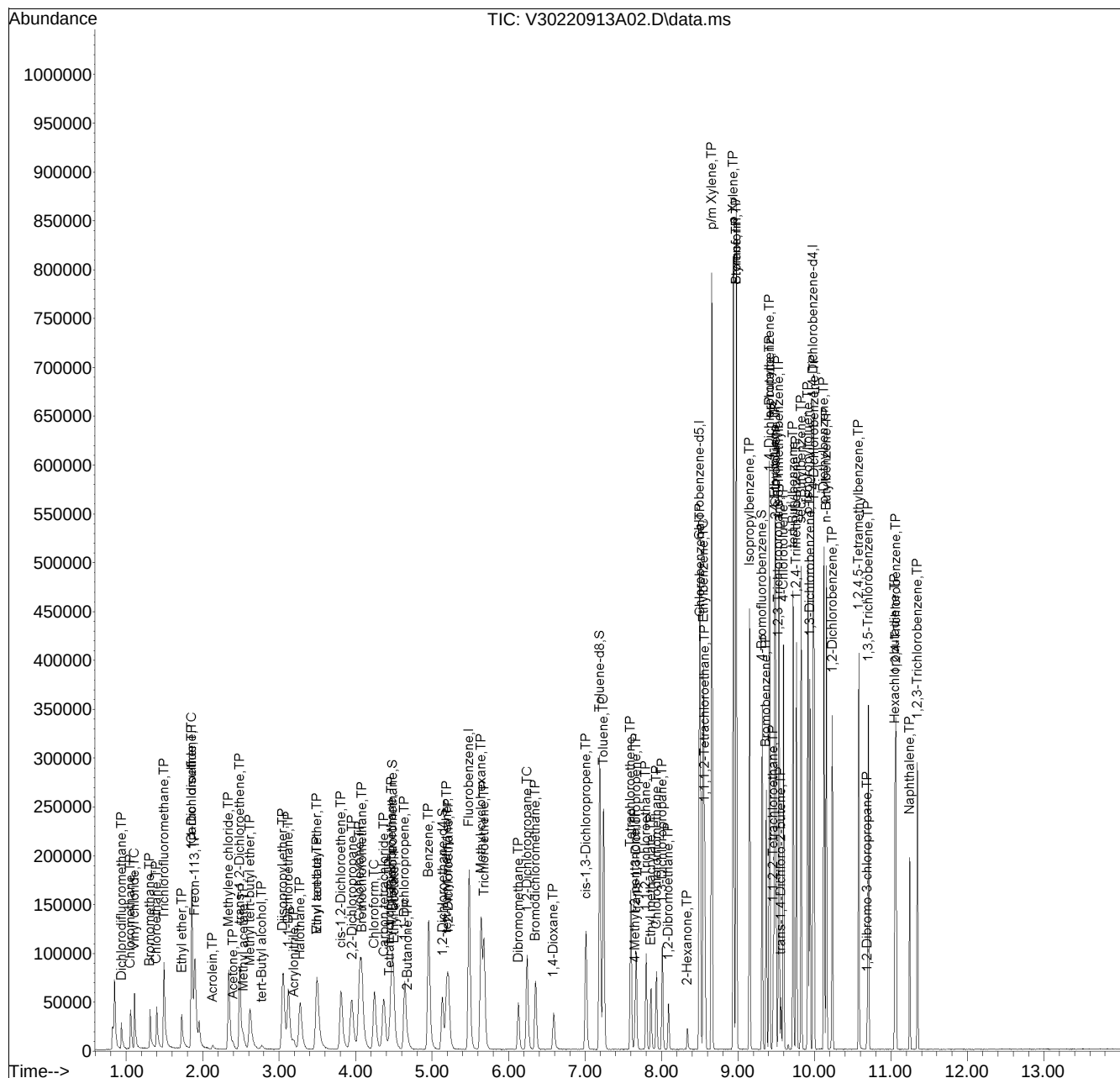
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-9
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

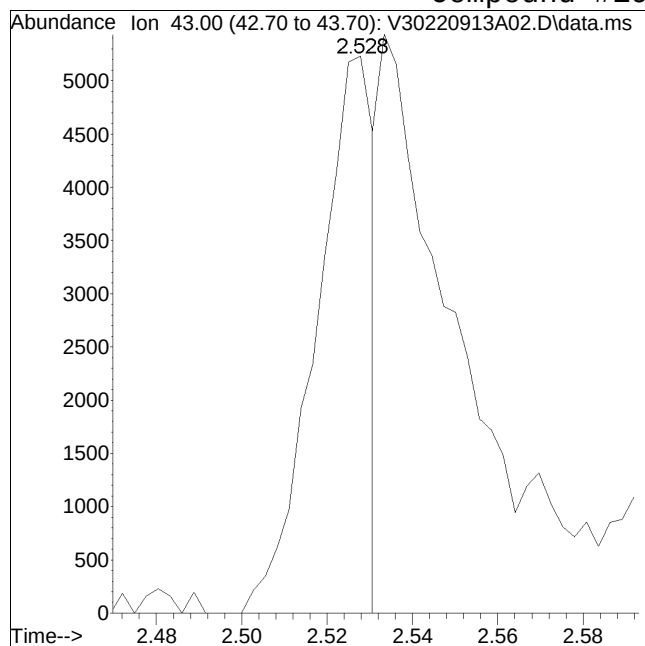
Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0220913A02.D•



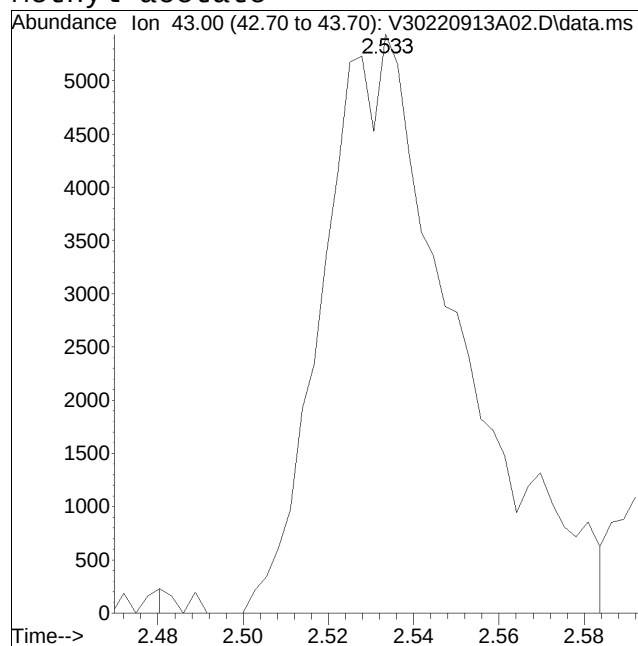
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A02.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:02 am Instrument : VOA130
Sample : WG1686411-9 Quant Date : 9/13/2022 7:38 am

Compound #19: Methyl acetate



Original Peak Response = 4828



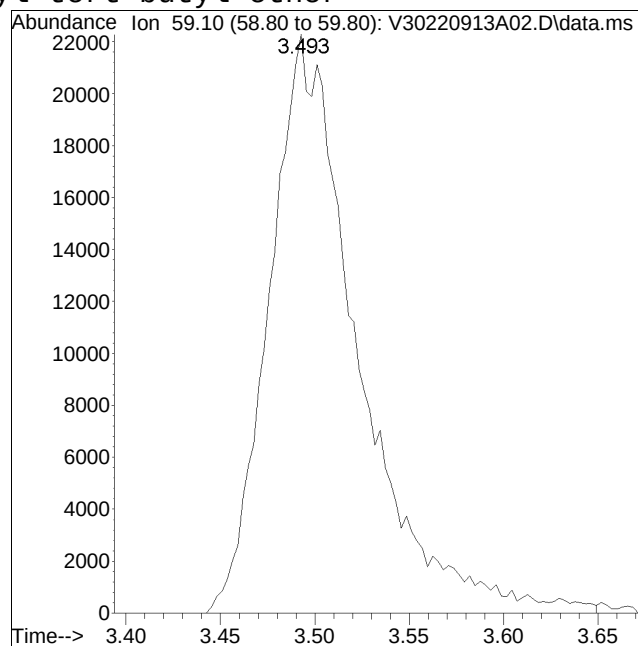
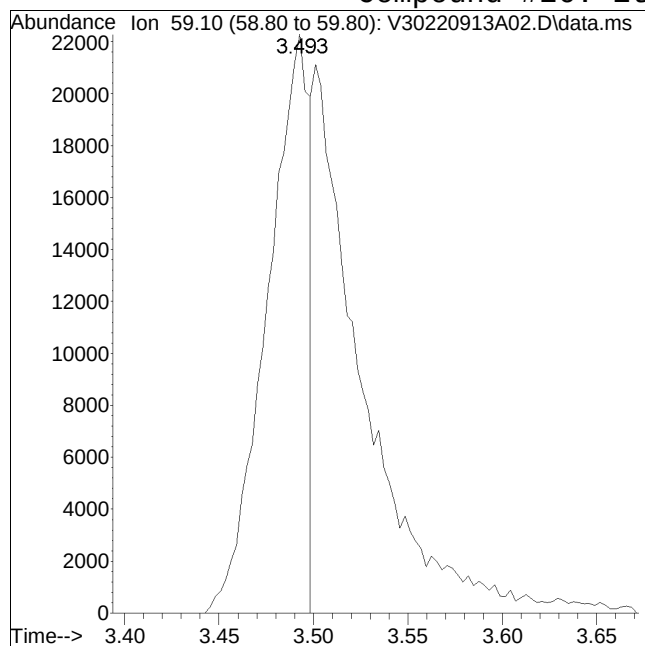
Manual Peak Response = 11993 M3

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\20Method : VOA130_220819A_8260.m
Data File : V30220913A02.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:02 am Instrument : VOA130
Sample : WG1686411-9 Quant Date : 9/13/2022 7:38 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 34698

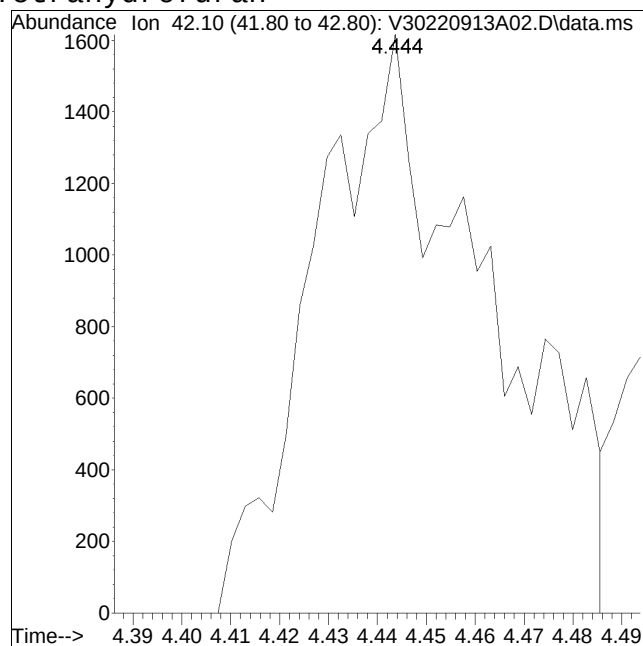
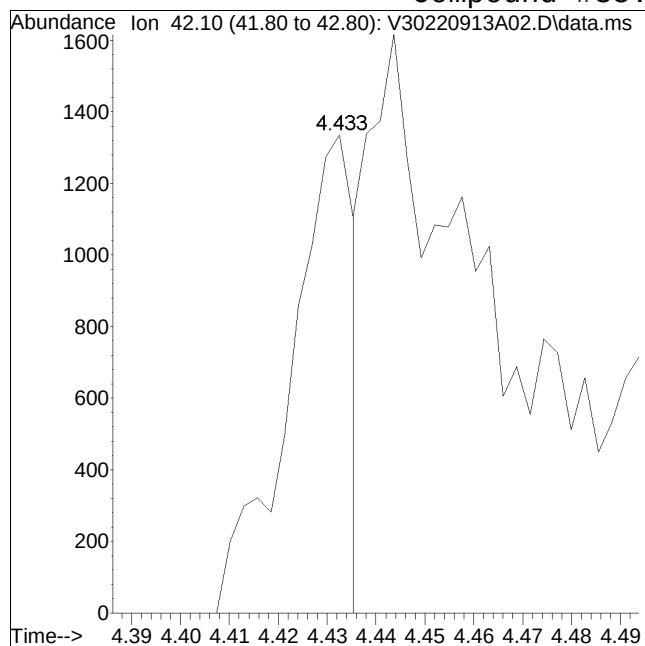
Manual Peak Response = 72737 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A02.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:02 am Instrument : VOA130
Sample : WG1686411-9 Quant Date : 9/13/2022 7:38 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1206

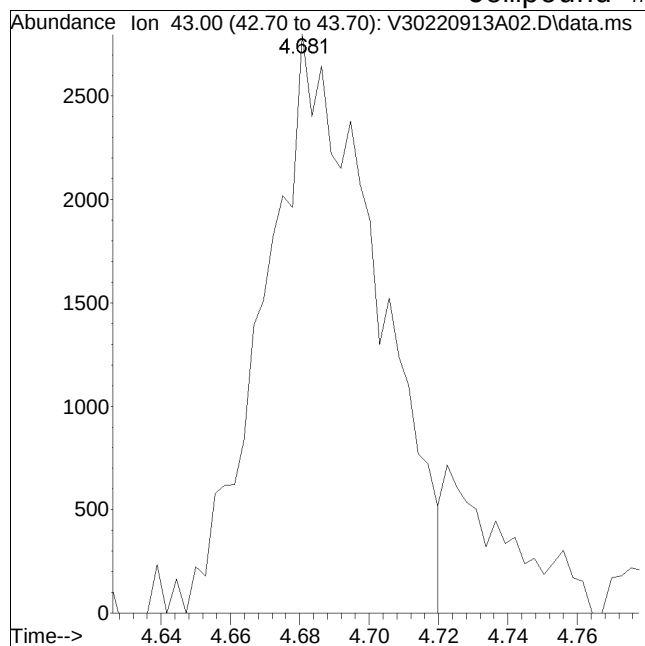
Manual Peak Response = 4026 M3

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

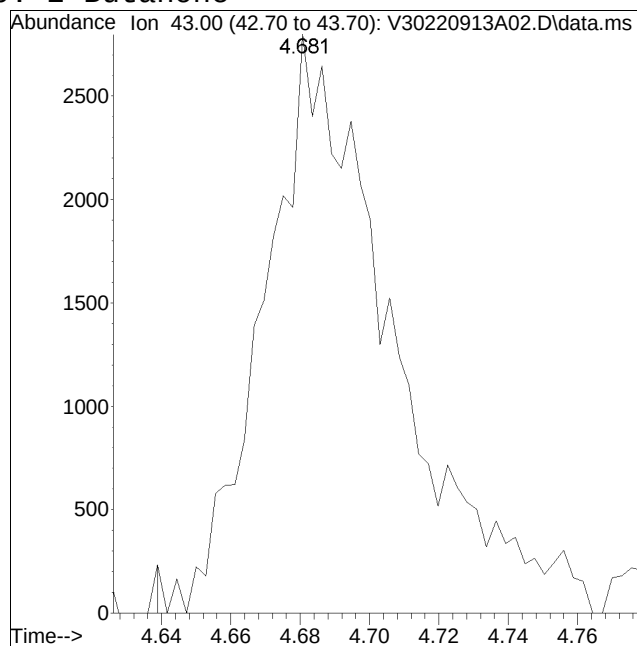
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A02.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:02 am Instrument : VOA130
Sample : WG1686411-9 Quant Date : 9/13/2022 7:38 am

Compound #39: 2-Butanone



Original Peak Response = 6278

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



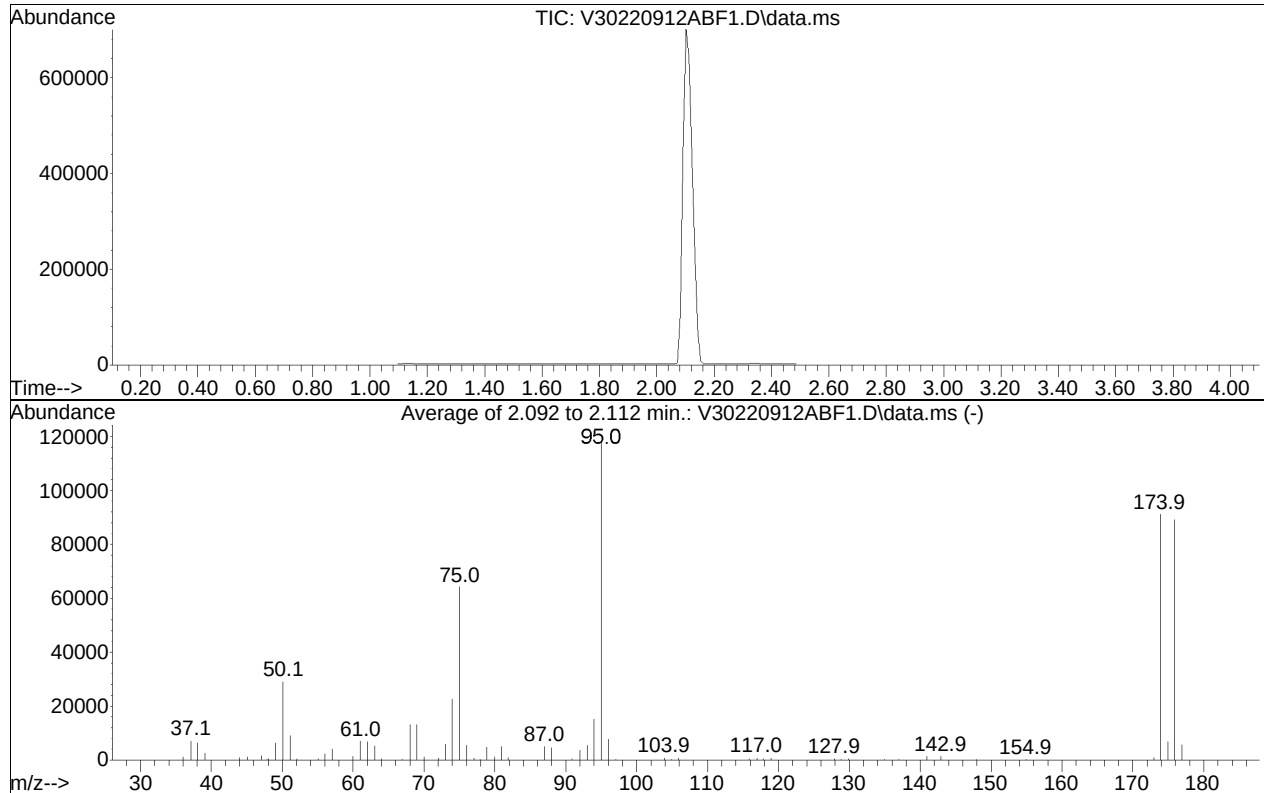
Manual Peak Response = 7207 M1

BFB

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912ABF1.D
 Acq On : 12 Sep 2022 06:36 am
 Operator : VOA130:MV
 Sample : WG1686411-1
 Misc : WG1686411
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022



AutoFind: Scans 99, 100, 101; Background Corrected with Scan 94

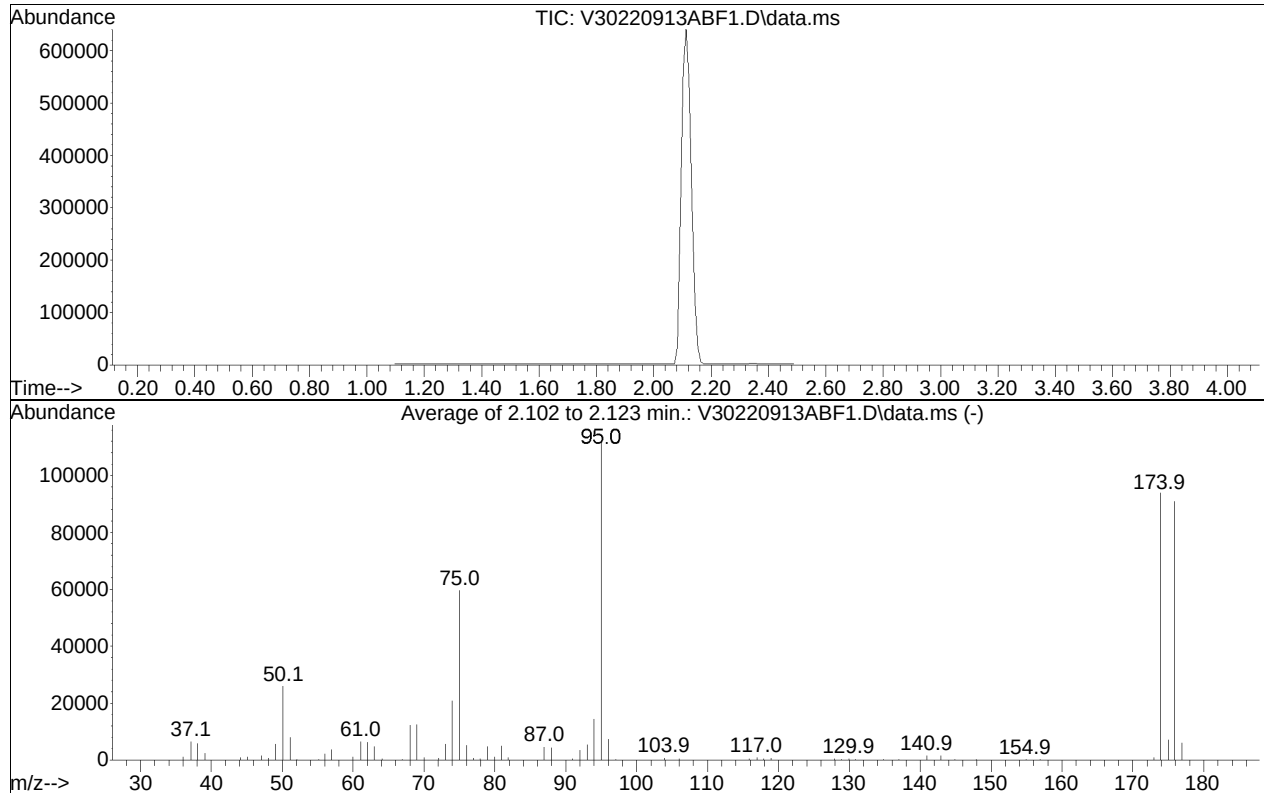
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.6	29083	PASS
75	95	30	60	54.3	64349	PASS
95	95	100	100	100.0	118461	PASS
96	95	5	9	6.5	7724	PASS
173	174	0.00	2	1.0	867	PASS
174	95	50	100	77.0	91163	PASS
175	174	5	9	7.6	6912	PASS
176	174	95	101	97.7	89064	PASS
177	176	5	9	6.5	5820	PASS

BFB

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913ABF1.D
 Acq On : 13 Sep 2022 06:25 am
 Operator : VOA130:MV
 Sample : WG1686411-8
 Misc : WG1686411
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022



AutoFind: Scans 100, 101, 102; Background Corrected with Scan 95

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	26043	PASS
75	95	30	60	53.1	59573	PASS
95	95	100	100	100.0	112221	PASS
96	95	5	9	6.6	7391	PASS
173	174	0.00	2	1.1	990	PASS
174	95	50	100	83.6	93827	PASS
175	174	5	9	7.6	7122	PASS
176	174	95	101	97.0	90987	PASS
177	176	5	9	6.7	6057	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A05.D
 Acq On : 12 Sep 2022 08:12 am
 Operator : VOA130:MV
 Sample : WG1686411-5,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 08:48:04 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	150959	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery =	83.49%		
59) Chlorobenzene-d5	8.496	117	118659	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery =	91.25%		
79) 1,4-Dichlorobenzene-d4	9.985	152	61557	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery =	91.95%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.486	113	42505	10.662	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.62%		
43) 1,2-Dichloroethane-d4	5.132	65	41503	9.482	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.82%		
60) Toluene-d8	7.193	98	154460	10.021	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.21%		
83) 4-Bromofluorobenzene	9.316	95	55833	9.566	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.66%		
Target Compounds						
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	0.000		0	N.D.		
6) Chloroethane	1.404	64	27	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.864	76	136	N.D.		
12) Freon-113	0.000		0	N.D.		
13) Iodomethane	0.000		0	N.D.		
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	2.341	84	323	0.100	ug/L #	31
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	2.414	43	28	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
21) tert-Butyl alcohol	0.000		0	N.D.		
22) Diisopropyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
24) Halothane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A05.D
 Acq On : 12 Sep 2022 08:12 am
 Operator : VOA130:MV
 Sample : WG1686411-5,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 08:48:04 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	0.000		0		N.D.	
26) Ethyl tert-butyl ether	0.000		0		N.D.	
27) Vinyl acetate	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
29) 2,2-Dichloropropane	0.000		0		N.D.	
30) Bromochloromethane	0.000		0		N.D.	
31) Cyclohexane	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	
33) Ethyl acetate	0.000		0		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	
35) Tetrahydrofuran	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
42) tert-Amyl methyl ether	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	5.551	95	57		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
53) 2-Chloroethyl vinyl ether	7.191	63	27		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
67) Ethyl methacrylate	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	d
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.496	91	197		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A05.D
 Acq On : 12 Sep 2022 08:12 am
 Operator : VOA130:MV
 Sample : WG1686411-5,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 08:48:04 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
84)	Bromobenzene	0.000		0		N.D.	
85)	n-Propylbenzene	9.313	91	75		N.D.	
86)	1,4-Dichlorobutane	9.321	55	160		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88)	4-Ethyltoluene	0.000		0		N.D.	
89)	2-Chlorotoluene	9.313	91	75		N.D.	
90)	1,3,5-Trimethylbenzene	0.000		0		N.D.	
91)	1,2,3-Trichloropropane	0.000		0		N.D.	
92)	trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93)	4-Chlorotoluene	0.000		0		N.D.	
94)	tert-Butylbenzene	0.000		0		N.D.	
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	9.993	146	30		N.D.	
101)	1,4-Dichlorobenzene	9.993	146	30		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	9.985	91	157		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
107)	1,3,5-Trichlorobenzene	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	11.245	128	28		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

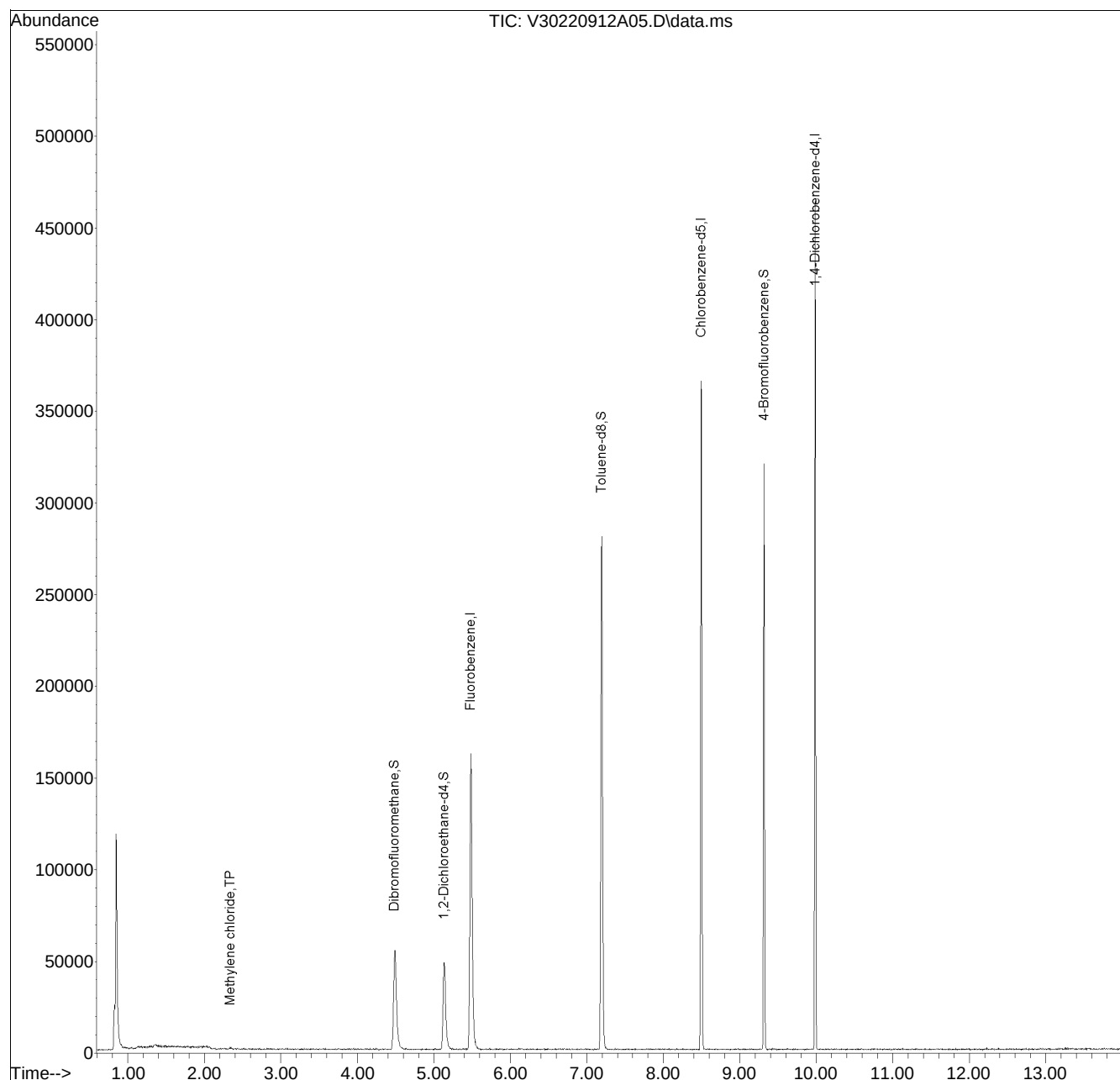
(#) = qualifier out of range (m) = manual integration (+) = signals summed

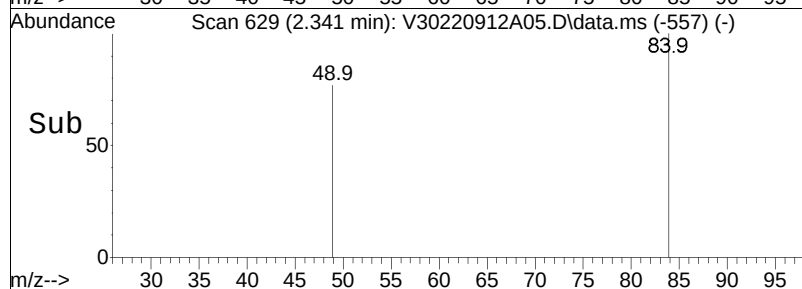
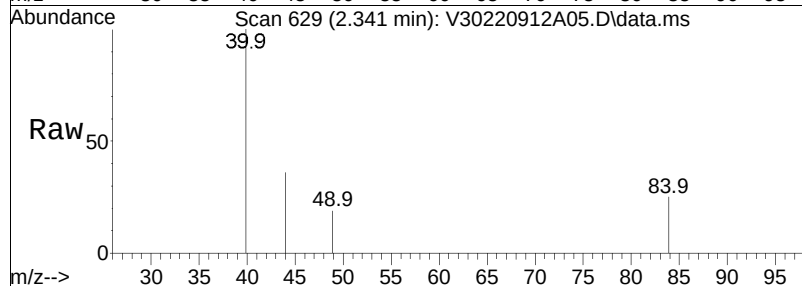
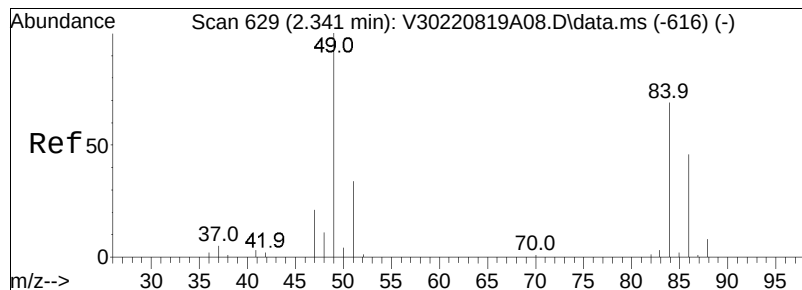
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A05.D
 Acq On : 12 Sep 2022 08:12 am
 Operator : VOA130:MV
 Sample : WG1686411-5,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 08:48:04 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

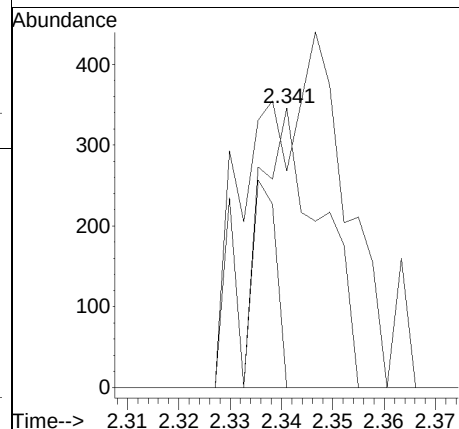
Sub List : 8260-Curve - Megamix plus Diox20912A\V30220912A01.D•





#15
Methylene chloride
Concen: 0.10 ug/L
RT: 2.341 min Scan# 629
Delta R.T. 0.000 min
Lab File: V30220912A05.D
Acq: 12 Sep 2022 08:12 am

Tgt Ion	Ratio	Lower	Upper
84	100		
86	25.1	40.4	83.8#
49	75.2	120.0	249.2#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA130\2022\20	Method	: VOA130_220819A_8260.m
Data File	: V30220912A05.D	Operator	: VOA130:MV
Date Inj'd	: 9/12/2022 8:12 am	Instrument	: VOA130
Sample	: WG1686411-5,31,10,10	Quant Date	: 9/12/2022 8:45 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A06.D
 Acq On : 13 Sep 2022 08:20 am
 Operator : VOA130:MV
 Sample : WG1686411-12,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 09:21:47 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

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

Internal Standards						
1) Fluorobenzene	5.484	96	139774	10.000	ug/L	0.00
Standard Area 1 = 167817			Recovery =	83.29%		
59) Chlorobenzene-d5	8.496	117	109280	10.000	ug/L	0.00
Standard Area 1 = 125779			Recovery =	86.88%		
79) 1,4-Dichlorobenzene-d4	9.985	152	56789	10.000	ug/L	0.00
Standard Area 1 = 66872			Recovery =	84.92%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.491	113	40285	10.914	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.14%		
43) 1,2-Dichloroethane-d4	5.135	65	38288	9.448	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.48%		
60) Toluene-d8	7.193	98	142276	10.023	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.23%		
83) 4-Bromofluorobenzene	9.316	95	52709	9.789	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.89%		
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	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.856	76	57	N.D.		
12) Freon-113	0.000		0	N.D.		
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	2.336	84	104	N.D.		
17) Acetone	2.405	43	26	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	2.405	43	26	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
21) tert-Butyl alcohol	0.000		0	N.D.		
22) Diisopropyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
24) Halothane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A06.D
 Acq On : 13 Sep 2022 08:20 am
 Operator : VOA130:MV
 Sample : WG1686411-12,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 09:21:47 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	0.000		0		N.D.	
27) Vinyl acetate	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
29) 2,2-Dichloropropane	0.000		0		N.D.	
30) Bromochloromethane	0.000		0		N.D.	
31) Cyclohexane	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	
33) Ethyl acetate	0.000		0		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	
35) Tetrahydrofuran	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
42) tert-Amyl methyl ether	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.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.244	92	58		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
67) Ethyl methacrylate	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	8.493	43	59		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.499	91	179		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	8.973	104	26		N.D.	
80) Bromoform	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A06.D
 Acq On : 13 Sep 2022 08:20 am
 Operator : VOA130:MV
 Sample : WG1686411-12,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 09:21:47 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Isopropylbenzene	9.321	105	109	N.D.		
84)	Bromobenzene	0.000		0	N.D.		
85)	n-Propylbenzene	9.324	91	33	N.D.		
86)	1,4-Dichlorobutane	9.316	55	97	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88)	4-Ethyltoluene	9.321	105	109	N.D.		
89)	2-Chlorotoluene	9.324	91	33	N.D.		
90)	1,3,5-Trimethylbenzene	0.000		0	N.D.		
91)	1,2,3-Trichloropropane	0.000		0	N.D.		
92)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93)	4-Chlorotoluene	0.000		0	N.D.		
94)	tert-Butylbenzene	0.000		0	N.D.		
97)	1,2,4-Trimethylbenzene	0.000		0	N.D.		
98)	sec-Butylbenzene	0.000		0	N.D.		
99)	p-Isopropyltoluene	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
102)	p-Diethylbenzene	0.000		0	N.D.		
103)	n-Butylbenzene	9.985	91	40	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
107)	1,3,5-Trichlorobenzene	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	11.243	128	29	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

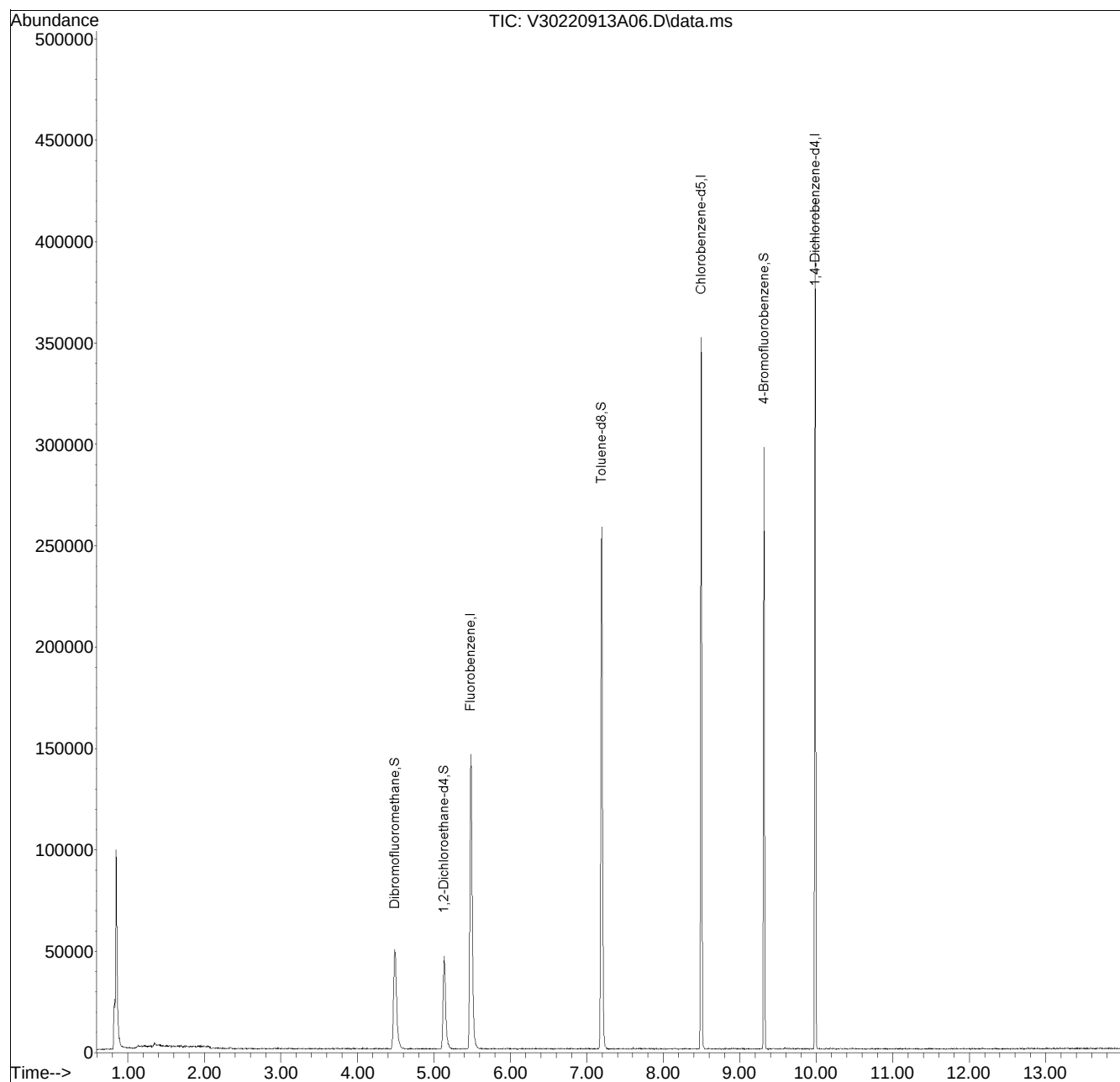
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
Data File : V30220913A06.D
Acq On : 13 Sep 2022 08:20 am
Operator : VOA130:MV
Sample : WG1686411-12,31,10,10,,
Misc : WG1686411,ICAL19274
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 09:21:47 2022
Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0220913A02.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A06.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 8:20 am Instrument : VOA130
Sample : WG1686411-12,31,10,10,, Quant Date : 9/13/2022 9:21 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-10,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

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

Internal Standards						
1) Fluorobenzene	5.484	96	167817	10.000	ug/L	0.00
Standard Area 1 = 167817			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.496	117	125779	10.000	ug/L	0.00
Standard Area 1 = 125779			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	9.985	152	66872	10.000	ug/L	0.00
Standard Area 1 = 66872			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.485	113	45128	10.183	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.83%	
43) 1,2-Dichloroethane-d4	5.138	65	45144	9.278	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	92.78%	
60) Toluene-d8	7.191	98	165842	10.151	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.51%	
83) 4-Bromofluorobenzene	9.315	95	59386	9.367	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.67%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.938	85	17765	5.202	ug/L	99
3) Chloromethane	1.055	50	31256	7.931	ug/L	99
4) Vinyl chloride	1.108	62	34361	8.788	ug/L	96
5) Bromomethane	1.312	94	16023	5.953	ug/L	97
6) Chloroethane	1.398	64	27574	11.226	ug/L	99
7) Trichlorofluoromethane	1.493	101	58062	9.659	ug/L	94
8) Ethyl ether	1.727	74	11368	8.019	ug/L	81
10) 1,1-Dichloroethene	1.856	96	31733	9.931	ug/L	# 75
11) Carbon disulfide	1.859	76	79421	10.017	ug/L	98
12) Freon-113	1.898	101	34181	9.633	ug/L	99
14) Acrolein	2.132	56	3194	9.138	ug/L	87
15) Methylene chloride	2.341	84	34234	9.557	ug/L	81
17) Acetone	2.397	43	5316	9.598	ug/L	94
18) trans-1,2-Dichloroethene	2.486	96	32686	9.457	ug/L	82
19) Methyl acetate	2.533	43	11993M3	8.346	ug/L	
20) Methyl tert-butyl ether	2.617	73	44985	6.682	ug/L	# 73
21) tert-Butyl alcohol	2.770	59	4278	41.158	ug/L	# 69
22) Diisopropyl ether	3.047	45	96852	8.267	ug/L	92
23) 1,1-Dichloroethane	3.122	63	67209	9.732	ug/L	99
24) Halothane	3.275	117	24022	9.018	ug/L	92
25) Acrylonitrile	3.194	53	6201	8.507	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-10,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IODO - Curve-2CEVE-IODO

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.493	59	72737M1	7.822	ug/L	
27) Vinyl acetate	3.493	43	44299	7.175	ug/L #	94
28) cis-1,2-Dichloroethene	3.808	96	36720	9.248	ug/L #	78
29) 2,2-Dichloropropane	3.956	77	38115	8.369	ug/L #	76
30) Bromochloromethane	4.087	128	15162	8.777	ug/L #	73
31) Cyclohexane	4.053	56	61183	8.933	ug/L	76
32) Chloroform	4.246	83	65281	9.640	ug/L	98
33) Ethyl acetate	4.502	43	13819	6.984	ug/L #	84
34) Carbon tetrachloride	4.371	117	47015	9.773	ug/L #	94
35) Tetrahydrofuran	4.444	42	4026M3	7.497	ug/L	
37) 1,1,1-Trichloroethane	4.469	97	50839	9.034	ug/L #	95
39) 2-Butanone	4.681	43	7207M1	8.509	ug/L	
40) 1,1-Dichloropropene	4.639	75	43170	9.017	ug/L	96
41) Benzene	4.954	78	133133	9.359	ug/L	92
42) tert-Amyl methyl ether	5.194	73	50661	6.790	ug/L #	84
44) 1,2-Dichloroethane	5.216	62	42264	8.480	ug/L	98
47) Methyl cyclohexane	5.640	83	59056	9.187	ug/L #	79
48) Trichloroethene	5.679	95	35394	9.561	ug/L	98
50) Dibromomethane	6.131	93	16984	8.613	ug/L	96
51) 1,2-Dichloropropane	6.242	63	33770	8.993	ug/L	97
54) Bromodichloromethane	6.348	83	44454	8.753	ug/L	98
57) 1,4-Dioxane	6.583	88	6533	525.601	ug/L #	79
58) cis-1,3-Dichloropropene	7.015	75	44320	8.778	ug/L	95
61) Toluene	7.241	92	85629	9.377	ug/L	96
62) 4-Methyl-2-pentanone	7.653	58	6001	7.431	ug/L #	98
63) Tetrachloroethene	7.598	166	36329	9.391	ug/L	94
65) trans-1,3-Dichloropropene	7.670	75	34755	8.836	ug/L	95
67) Ethyl methacrylate	7.863	69	22994	7.575	ug/L	95
68) 1,1,2-Trichloroethane	7.798	83	19488	8.778	ug/L	100
69) Chlorodibromomethane	7.932	129	28906	8.816	ug/L	98
70) 1,3-Dichloropropane	8.010	76	40215	8.581	ug/L	100
71) 1,2-Dibromoethane	8.091	107	21361	8.515	ug/L	100
72) 2-Hexanone	8.337	43	10266	7.255	ug/L	95
73) Chlorobenzene	8.507	112	94962	9.417	ug/L	92
74) Ethylbenzene	8.549	91	163641	9.202	ug/L	100
75) 1,1,1,2-Tetrachloroethane	8.565	131	30691	9.107	ug/L	96
76) p/m Xylene	8.657	106	127813	19.324	ug/L	99
77) o Xylene	8.942	106	121466	18.808	ug/L	96
78) Styrene	8.978	104	205598	19.718	ug/L	92
80) Bromoform	8.978	173	16941	8.658	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-10,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Isopropylbenzene	9.151	105	164873	9.215	ug/L	98
84)	Bromobenzene	9.368	156	37957	8.547	ug/L	96
85)	n-Propylbenzene	9.410	91	205982	9.543	ug/L	99
86)	1,4-Dichlorobutane	9.413	55	39860	7.999	ug/L	96
87)	1,1,2,2-Tetrachloroethane	9.460	83	25088	7.738	ug/L	98
88)	4-Ethyltoluene	9.480	105	161868	9.169	ug/L	98
89)	2-Chlorotoluene	9.491	91	138488	9.181	ug/L	97
90)	1,3,5-Trimethylbenzene	9.536	105	129996	8.516	ug/L	93
91)	1,2,3-Trichloropropane	9.530	75	20135	7.730	ug/L	99
92)	trans-1,4-Dichloro-2-b...	9.564	53	6948	7.664	ug/L	93
93)	4-Chlorotoluene	9.594	91	121927	9.009	ug/L	95
94)	tert-Butylbenzene	9.720	119	118586	9.003	ug/L	94
97)	1,2,4-Trimethylbenzene	9.764	105	126893	8.453	ug/L	96
98)	sec-Butylbenzene	9.826	105	185592	9.406	ug/L	99
99)	p-Isopropyltoluene	9.915	119	151272	8.957	ug/L	97
100)	1,3-Dichlorobenzene	9.940	146	77585	9.106	ug/L	99
101)	1,4-Dichlorobenzene	9.993	146	75731	8.840	ug/L	97
102)	p-Diethylbenzene	10.124	119	87317	8.536	ug/L	96
103)	n-Butylbenzene	10.155	91	141267	9.007	ug/L	99
104)	1,2-Dichlorobenzene	10.233	146	69116	8.654	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	108930	6.968	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.688	155	3493	8.403	ug/L	92
107)	1,3,5-Trichlorobenzene	10.704	180	55072	8.096	ug/L	95
108)	Hexachlorobutadiene	11.053	225	25094	8.143	ug/L	96
109)	1,2,4-Trichlorobenzene	11.064	180	47642	8.060	ug/L	99
110)	Naphthalene	11.245	128	76963	7.240	ug/L	100
111)	1,2,3-Trichlorobenzene	11.346	180	43412	8.281	ug/L	98

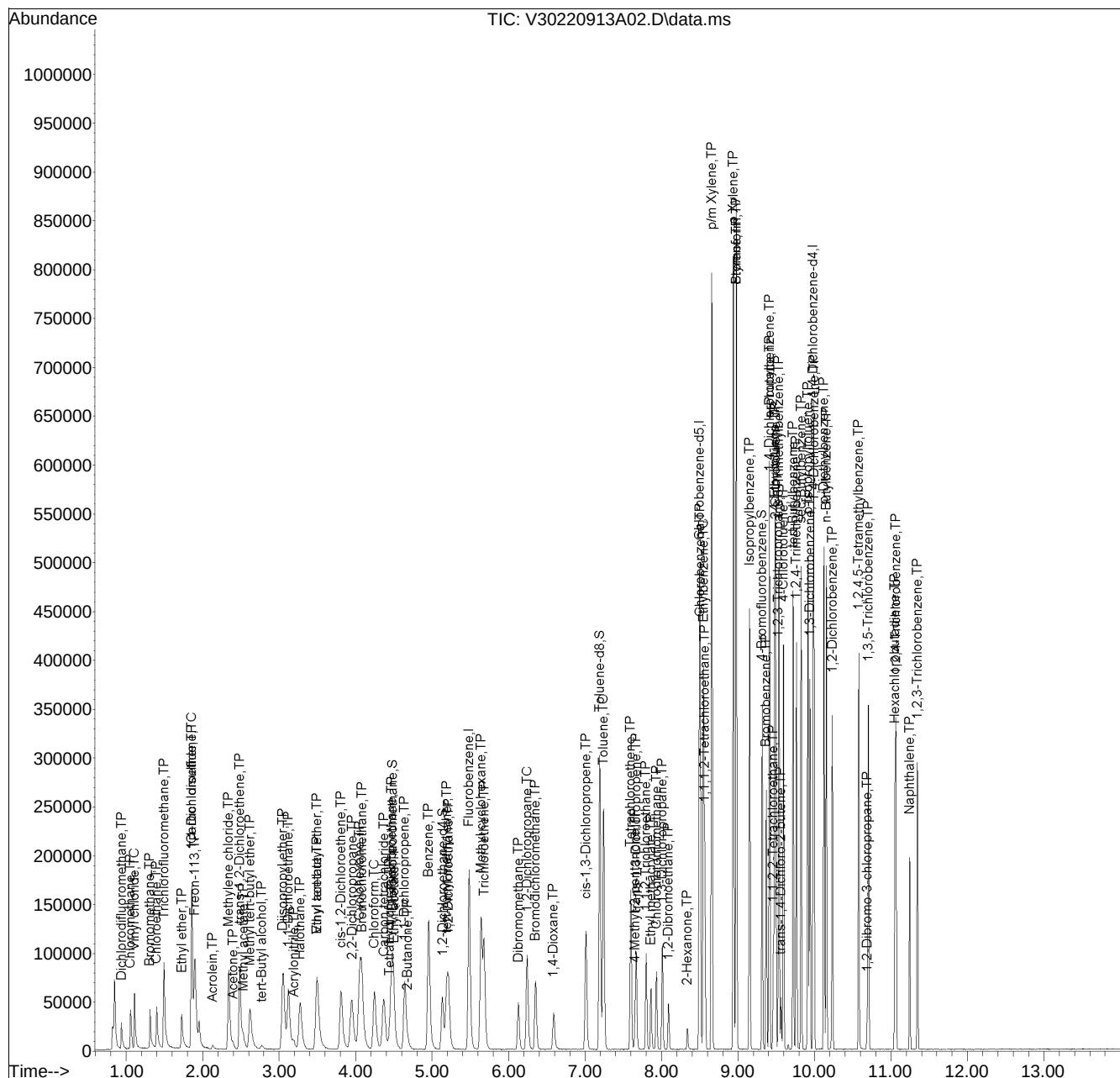
(#) = qualifier out of range (m) = manual integration (+) = signals summed

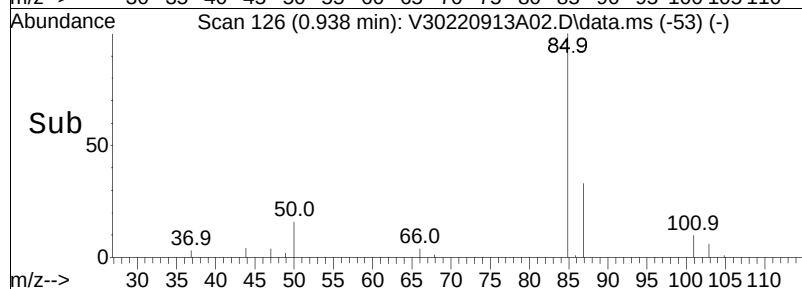
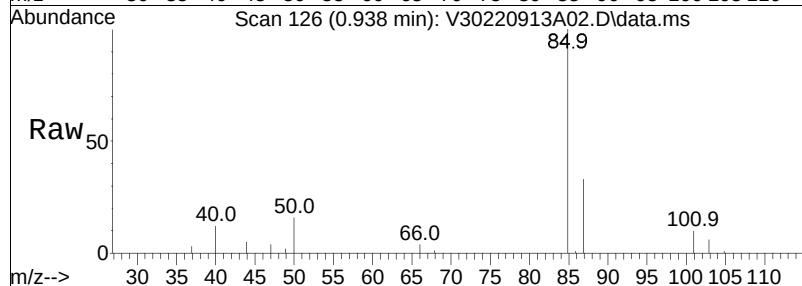
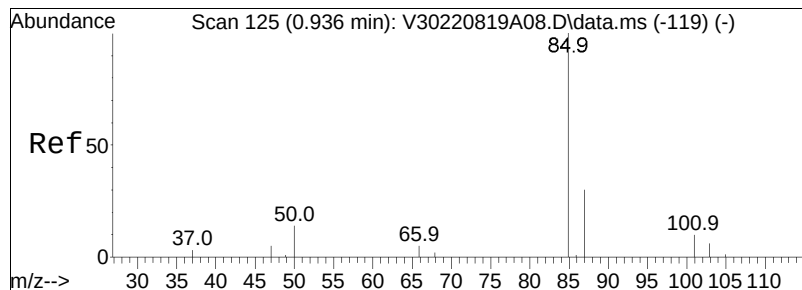
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A02.D
 Acq On : 13 Sep 2022 07:02 am
 Operator : VOA130:MV
 Sample : WG1686411-10,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 08:01:19 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0220913A02.D•





#2

Dichlorodifluoromethane

Concen: 5.20 ug/L

RT: 0.938 min Scan# 126

Delta R.T. 0.002 min

Lab File: V30220913A02.D

Acq: 13 Sep 2022 07:02 am

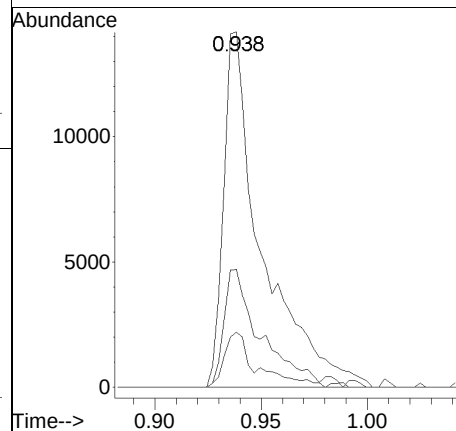
Tgt Ion: 85 Resp: 17765

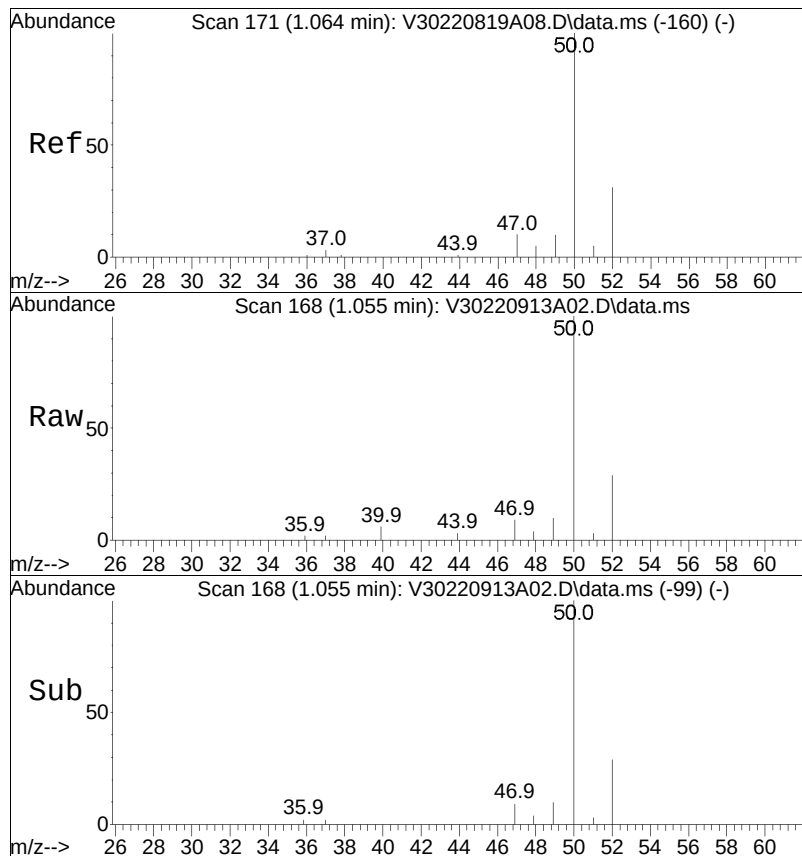
Ion Ratio Lower Upper

85 100

87 31.9 21.0 43.6

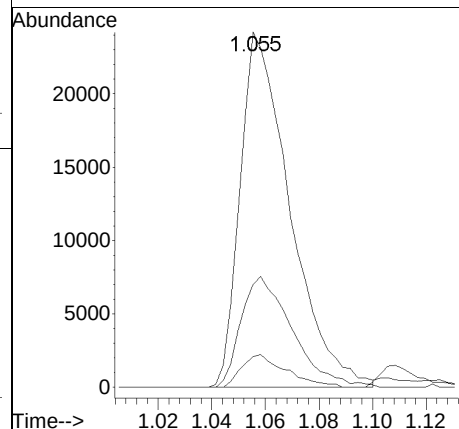
50 13.4 8.9 18.5

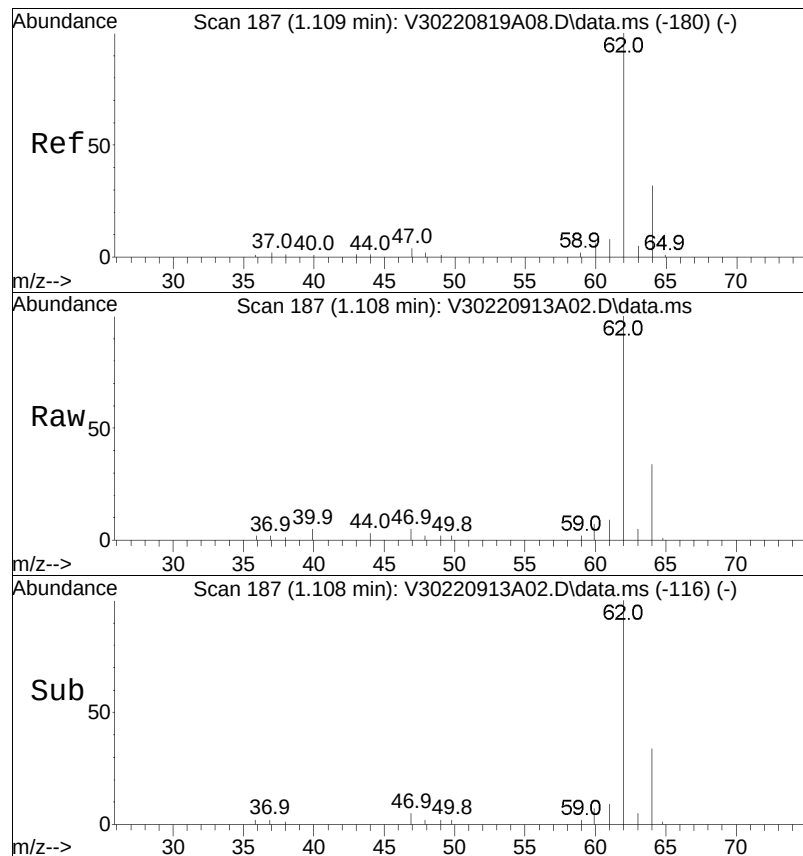




#3
 Chloromethane
 Concen: 7.93 ug/L
 RT: 1.055 min Scan# 168
 Delta R.T. -0.009 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

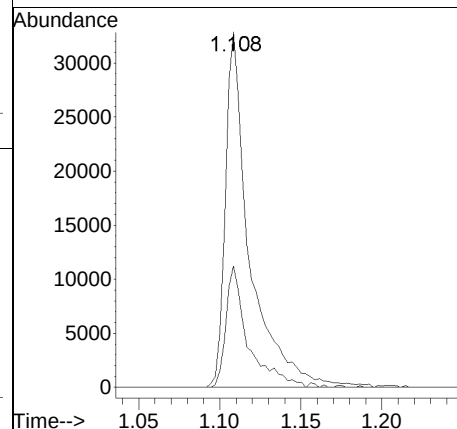
Tgt Ion:	50	Resp:	31256
Ion Ratio	Lower	Upper	
50	100		
52	32.1	12.9	52.9
47	8.4	0.0	28.3

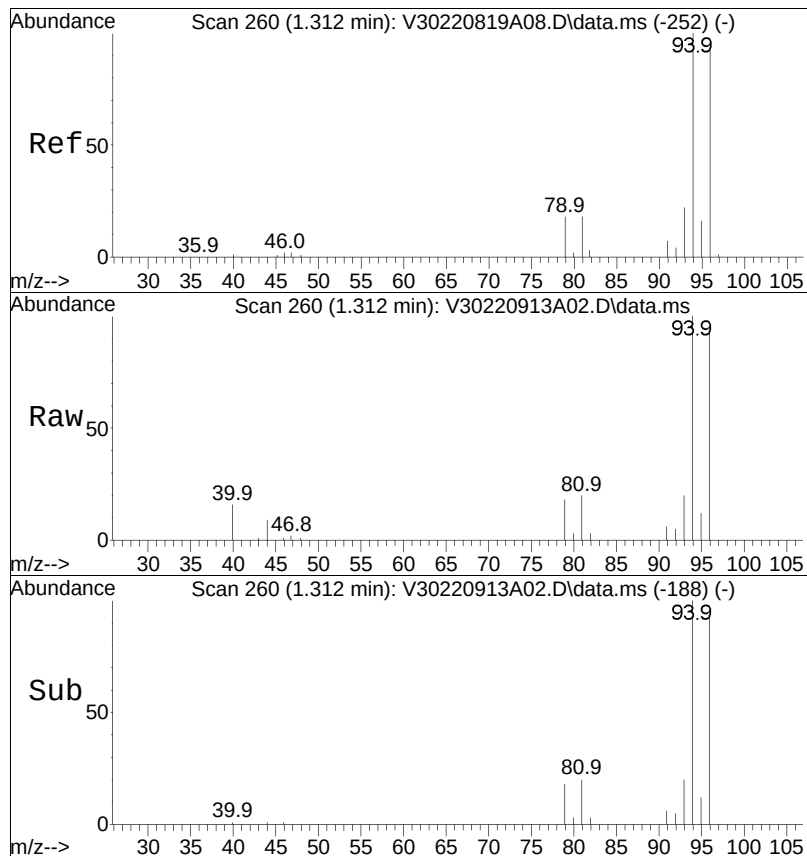




#4
 Vinyl chloride
 Concen: 8.79 ug/L
 RT: 1.108 min Scan# 187
 Delta R.T. -0.001 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

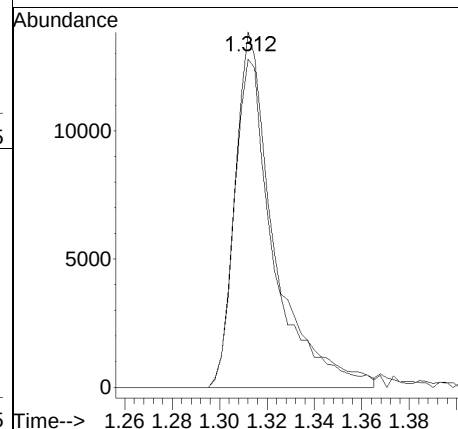
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.0	9.1	49.1

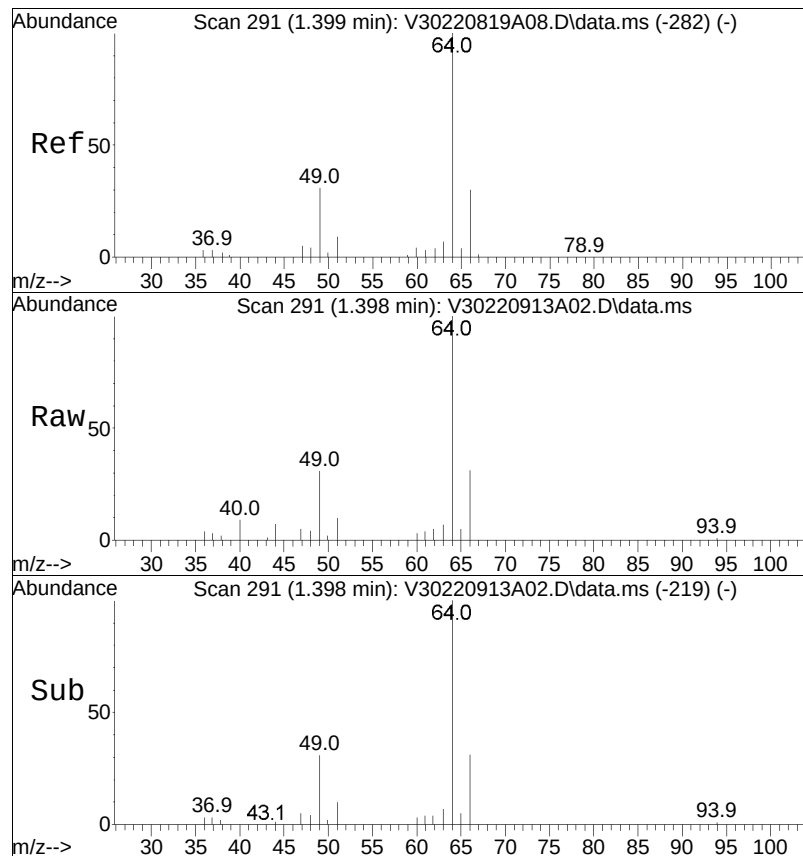




#5
 Bromomethane
 Concen: 5.95 ug/L
 RT: 1.312 min Scan# 260
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

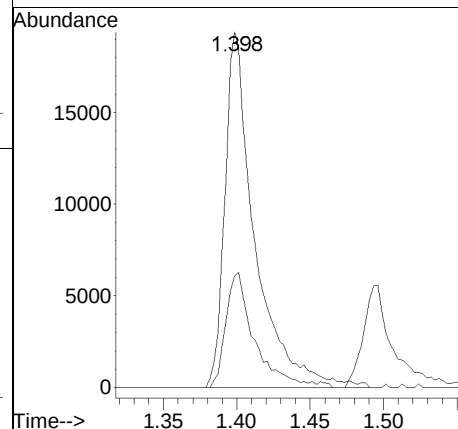
Tgt Ion: 94 Resp: 16023
 Ion Ratio Lower Upper
 94 100
 96 92.5 75.6 115.6

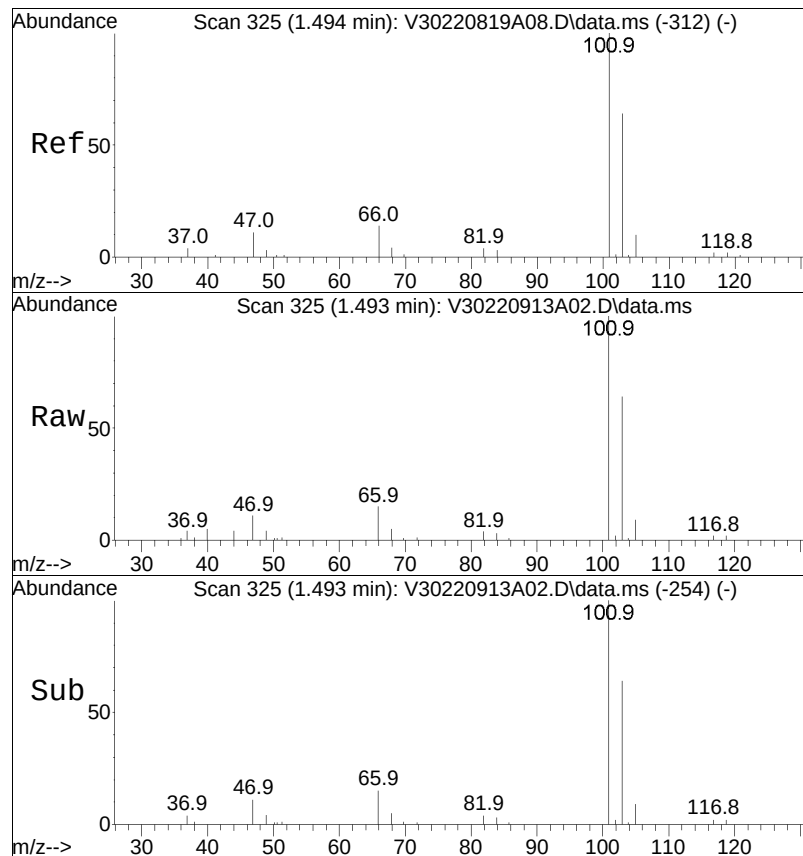




#6
 Chloroethane
 Concen: 11.23 ug/L
 RT: 1.398 min Scan# 291
 Delta R.T. -0.001 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

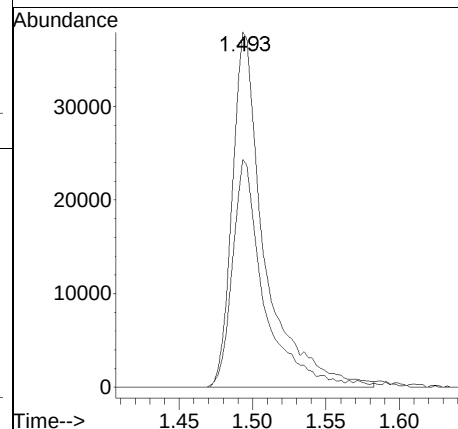
Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.6	9.8	49.8

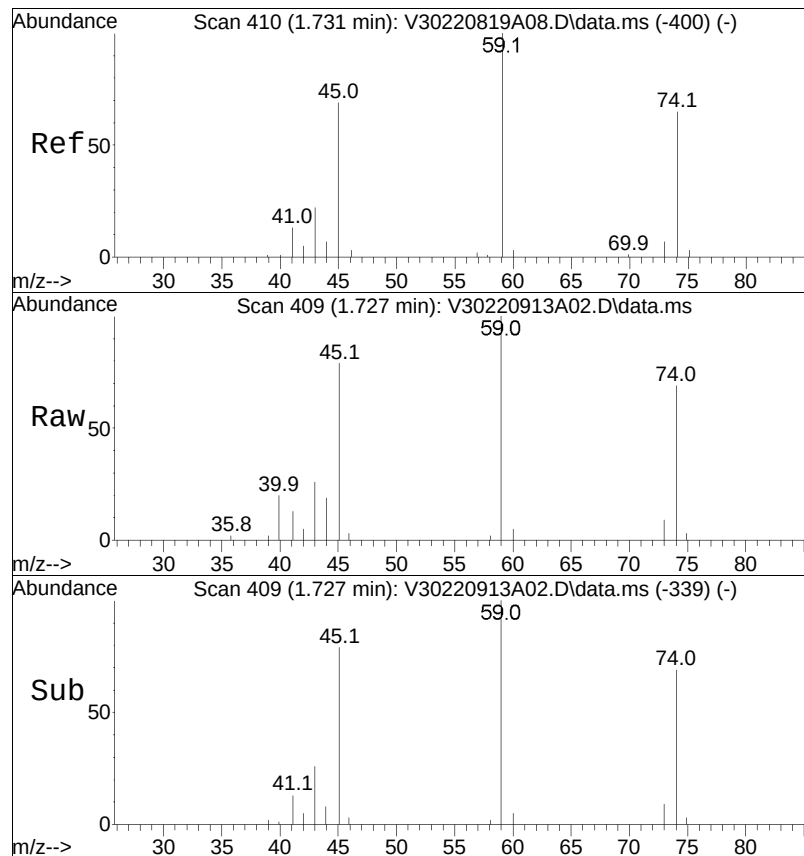




#7
 Trichlorofluoromethane
 Concen: 9.66 ug/L
 RT: 1.493 min Scan# 325
 Delta R.T. -0.001 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

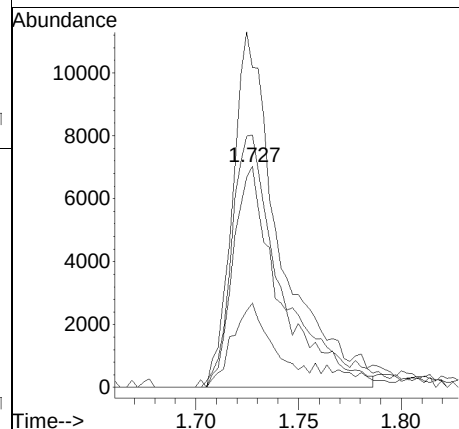
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	62.5	53.8	80.6	

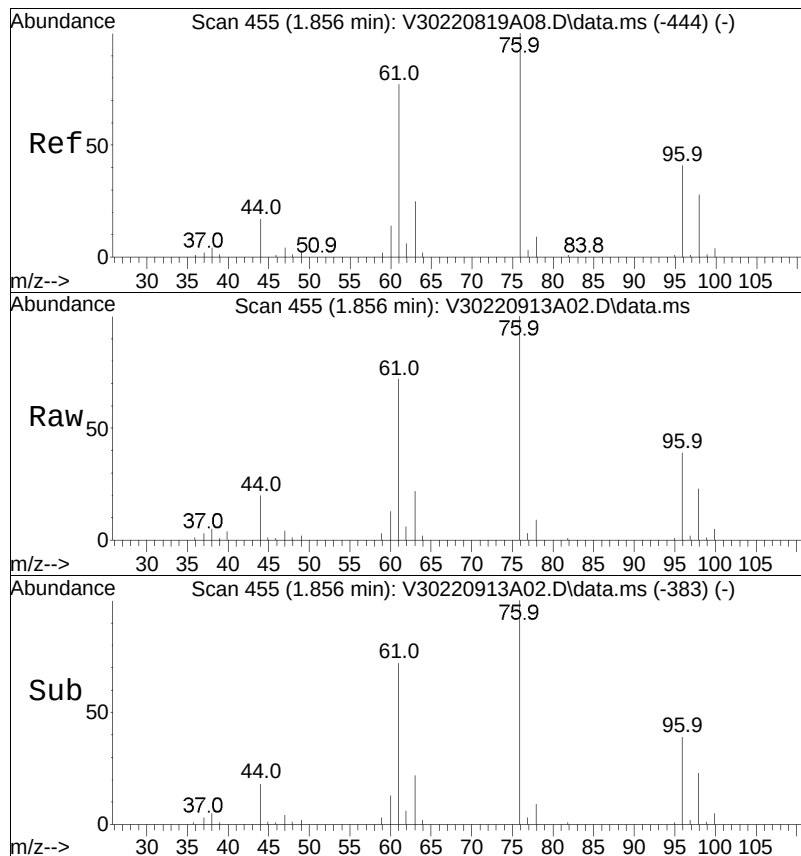




#8
 Ethyl ether
 Concen: 8.02 ug/L
 RT: 1.727 min Scan# 409
 Delta R.T. -0.004 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

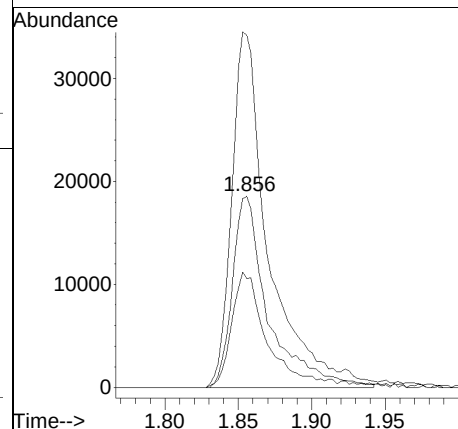
Tgt Ion:	74	Resp:	11368
Ion Ratio	Lower	Upper	
74	100		
59	156.9	122.2	253.8
45	116.8	91.9	190.9
43	33.8	25.2	52.2

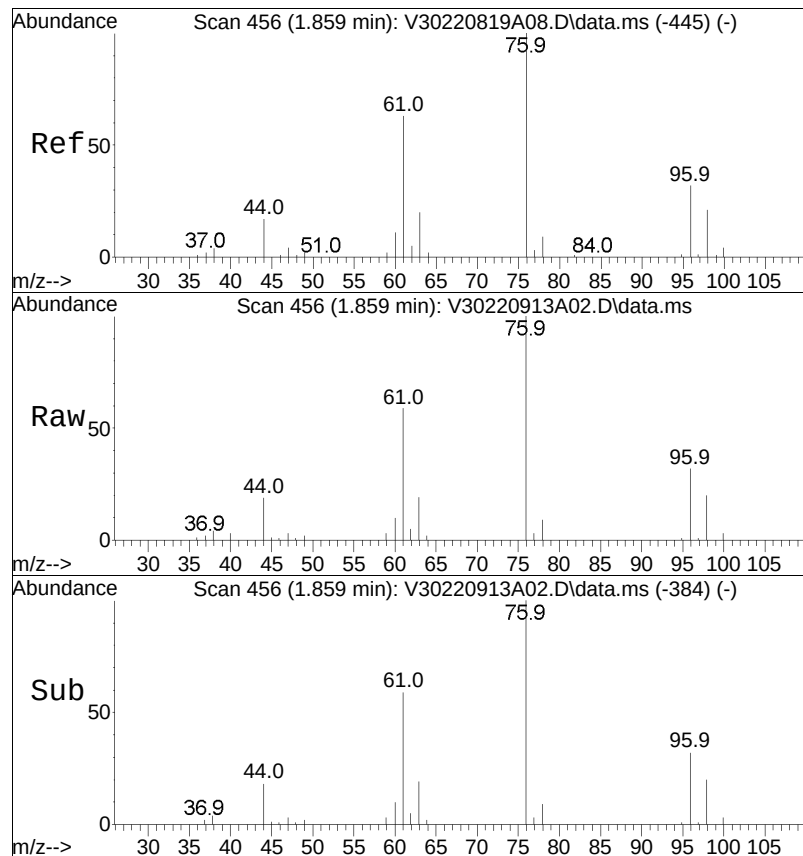




#10
 1,1-Dichloroethene
 Concen: 9.93 ug/L
 RT: 1.856 min Scan# 455
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

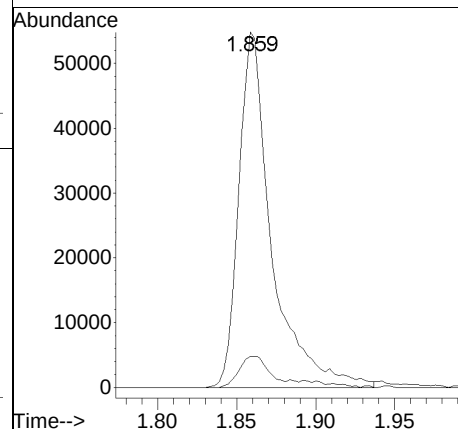
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	31733		
61	185.1		186.1	279.1#
63	59.0		57.6	86.4

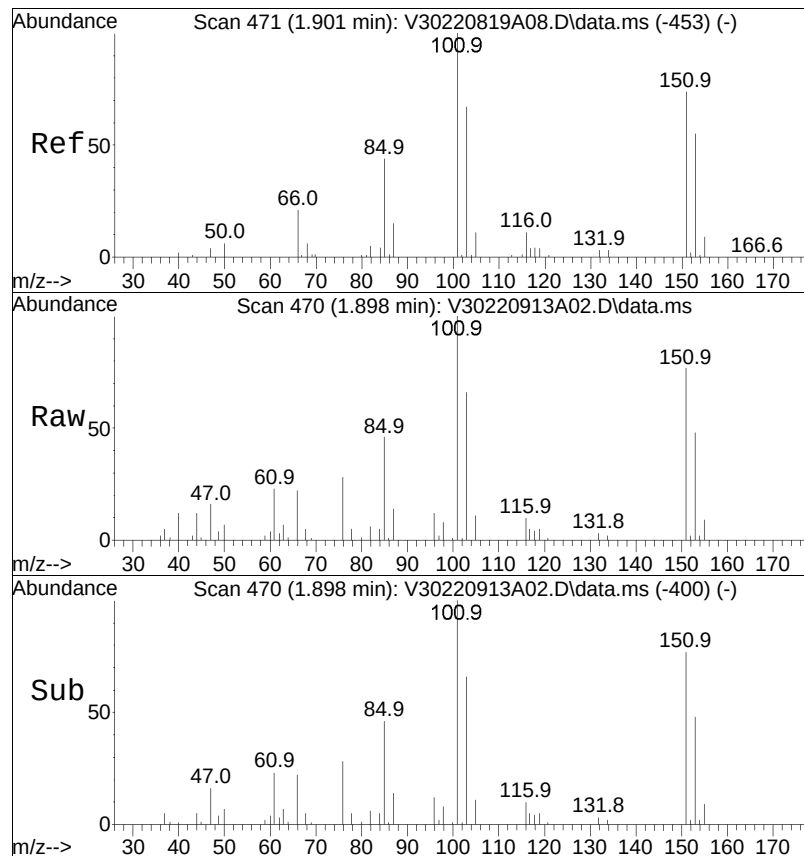




#11
 Carbon disulfide
 Concen: 10.02 ug/L
 RT: 1.859 min Scan# 456
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

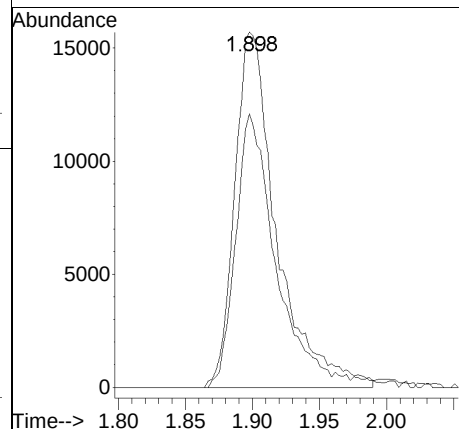
Tgt Ion	Ratio	Lower	Upper
76	100		
78	7.9	5.7	11.7

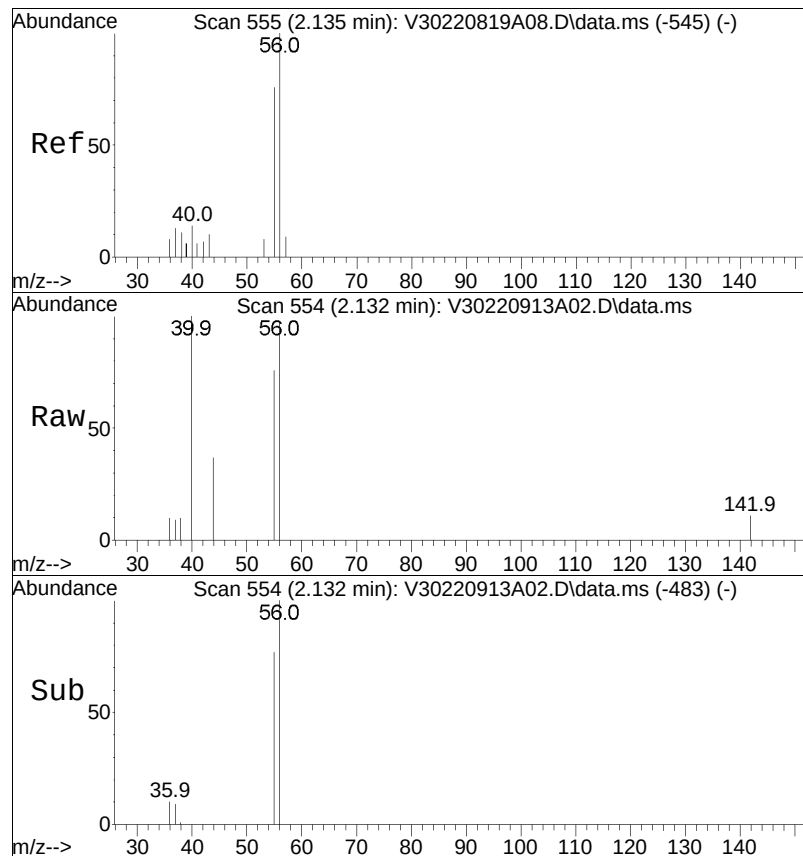




#12
 Freon-113
 Concen: 9.63 ug/L
 RT: 1.898 min Scan# 470
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

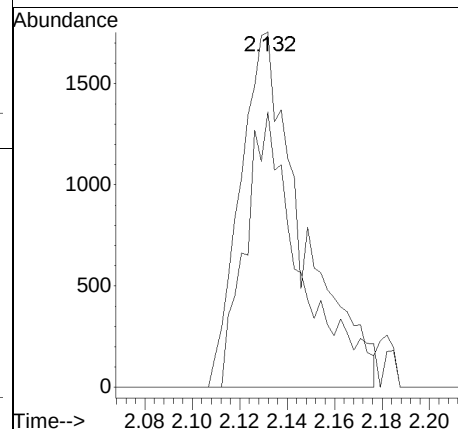
Tgt Ion	101	151	Ratio	Lower	Upper
Resp	34181				
101	100				
151	73.9		59.8	89.8	

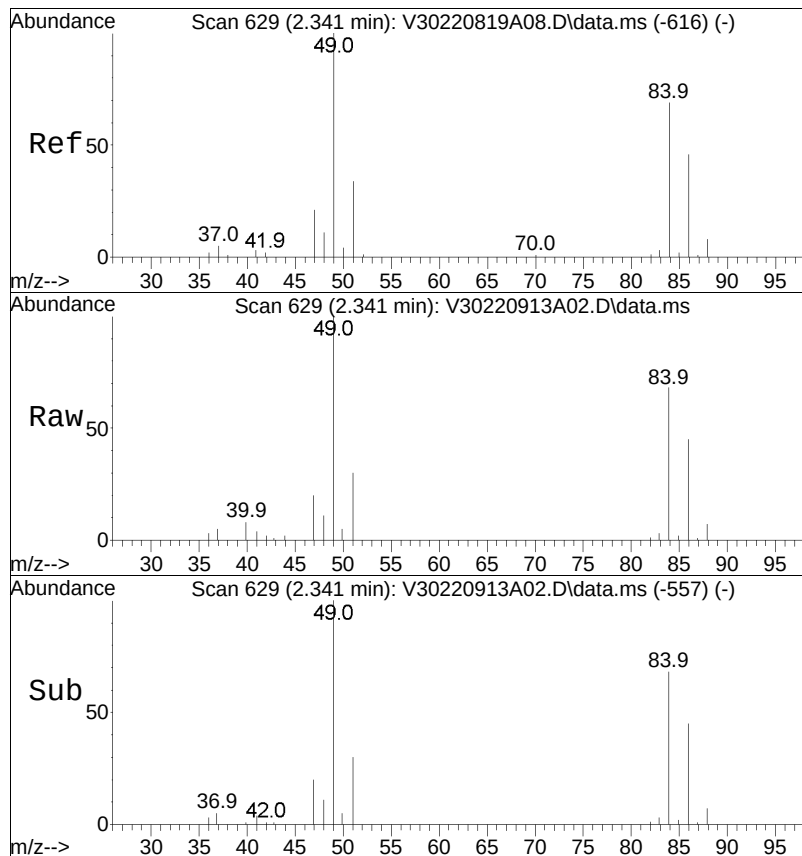




#14
 Acrolein
 Concen: 9.14 ug/L
 RT: 2.132 min Scan# 554
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

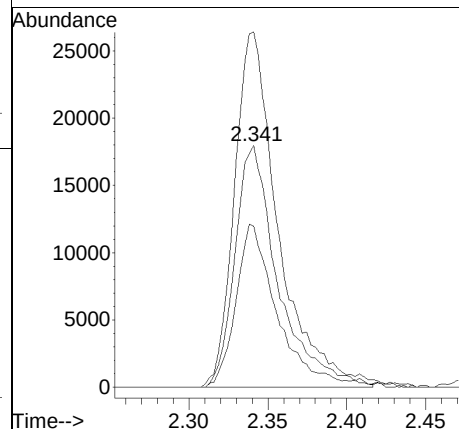
Tgt Ion	Ratio	Lower	Upper
56	100		
55	65.7	61.5	92.3

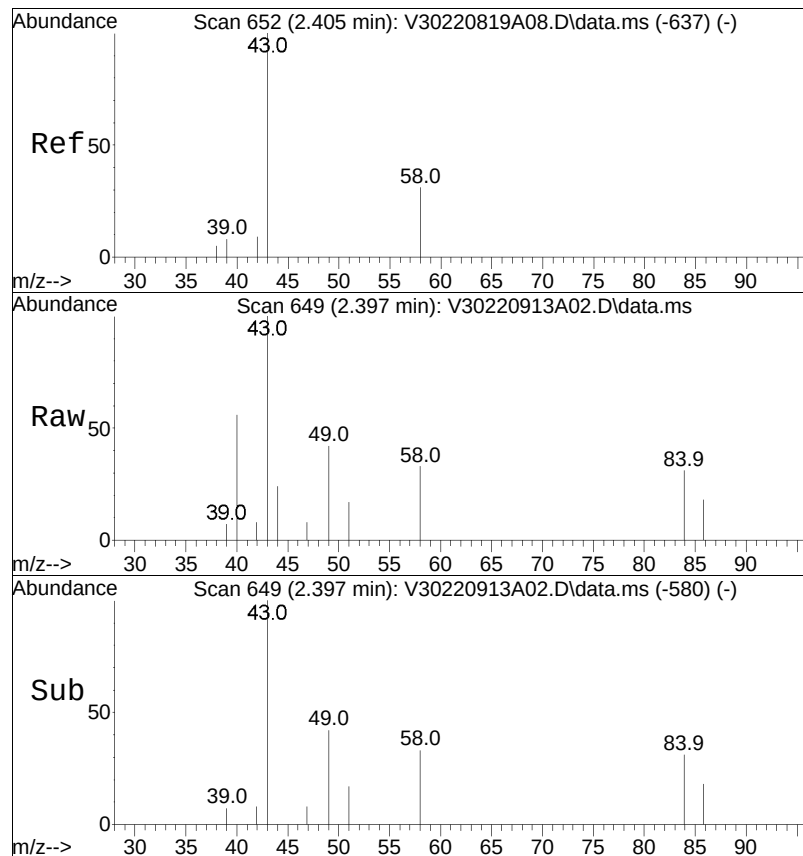




#15
Methylene chloride
Concen: 9.56 ug/L
RT: 2.341 min Scan# 629
Delta R.T. -0.000 min
Lab File: V30220913A02.D
Acq: 13 Sep 2022 07:02 am

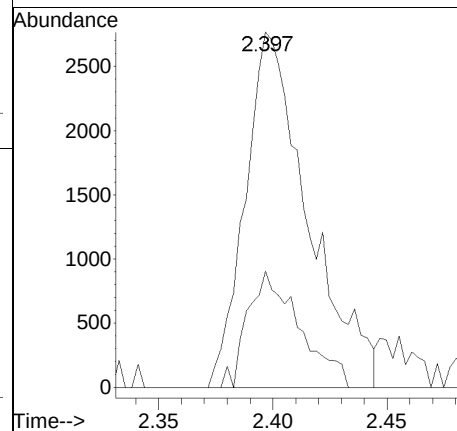
Tgt Ion:	84	Resp:	34234
Ion Ratio	Lower	Upper	
84	100		
86	64.9	40.4	83.8
49	149.8	120.0	249.2

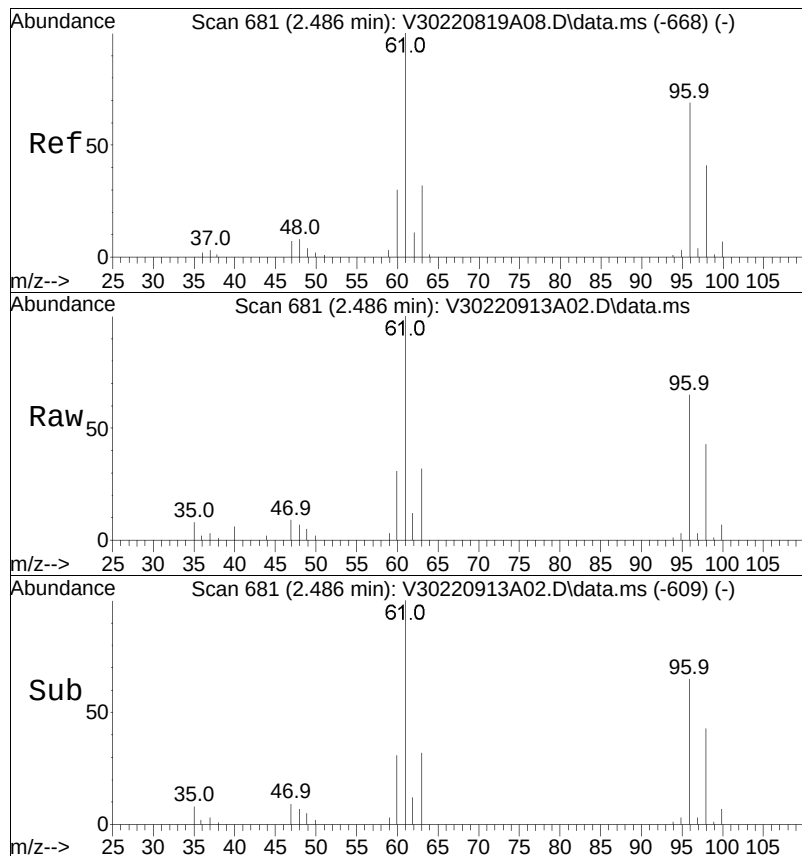




#17
 Acetone
 Concen: 9.60 ug/L
 RT: 2.397 min Scan# 649
 Delta R.T. -0.008 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

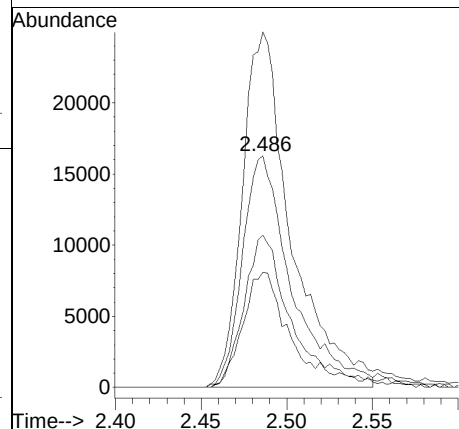
Tgt Ion:	43	58	Ratio	100	27.0	Resp:	5316	Lower	Upper
								24.2	36.4

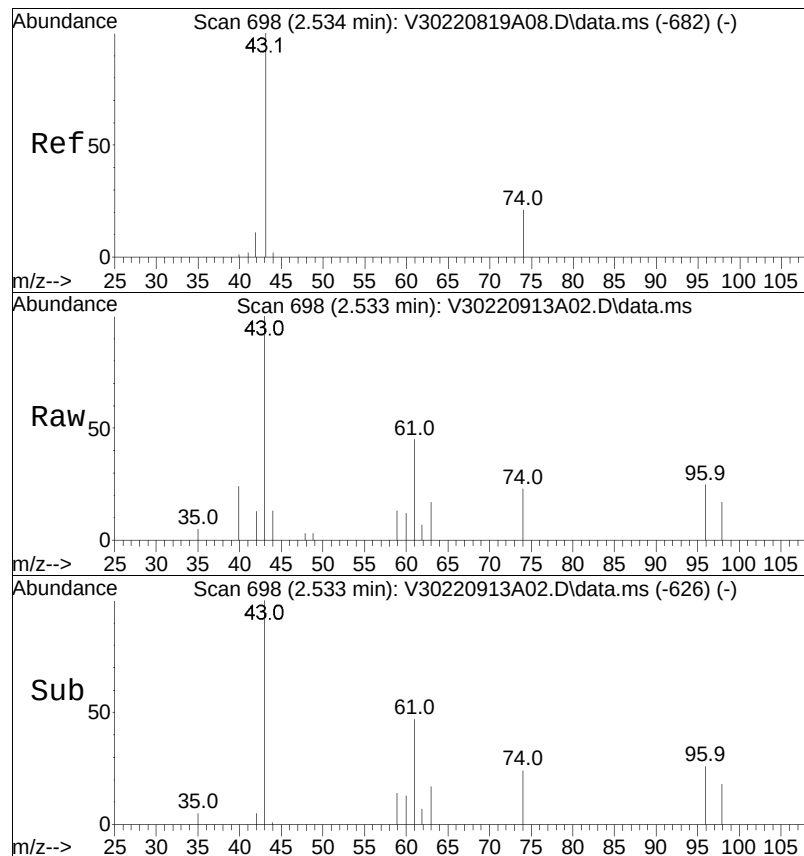




#18
 trans-1,2-Dichloroethene
 Concen: 9.46 ug/L
 RT: 2.486 min Scan# 681
 Delta R.T. 0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

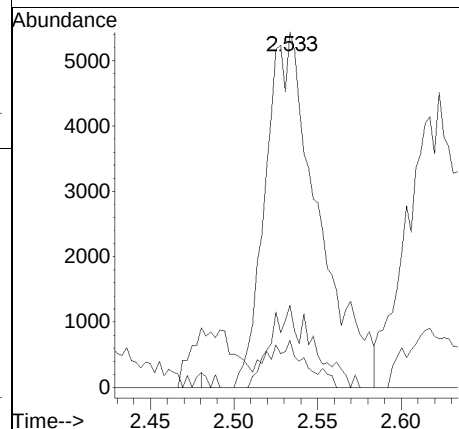
Tgt Ion:	96	Resp:	32686
Ion Ratio	Lower	Upper	
96	100		
61	156.0	124.0	257.6
98	63.3	41.2	85.6
63	46.2	38.4	79.7

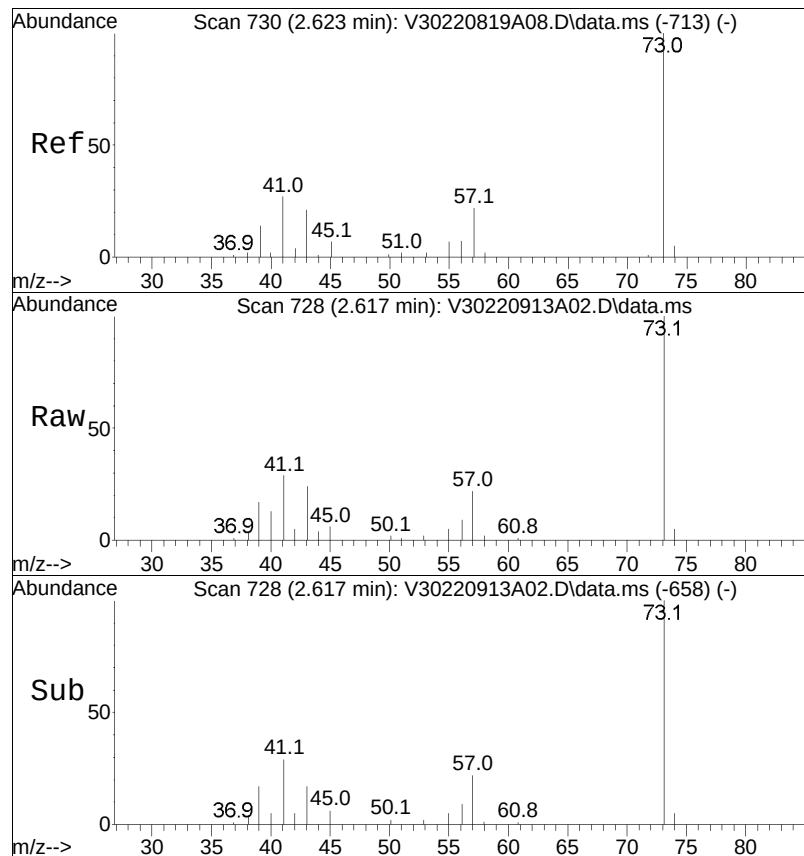




#19
Methyl acetate
Concen: 8.35 ug/L M3
RT: 2.533 min Scan# 698
Delta R.T. -0.001 min
Lab File: V30220913A02.D
Acq: 13 Sep 2022 07:02 am

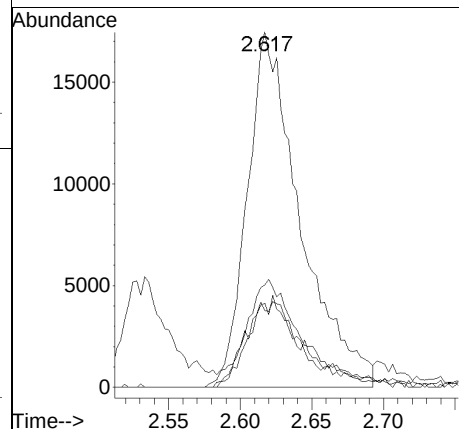
Tgt Ion	Ratio	Lower	Upper
43	100		
74	11.0	14.2	21.4#
59	4.8	5.0	7.6#

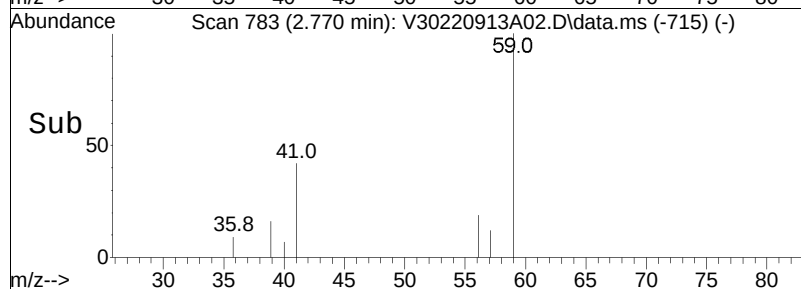
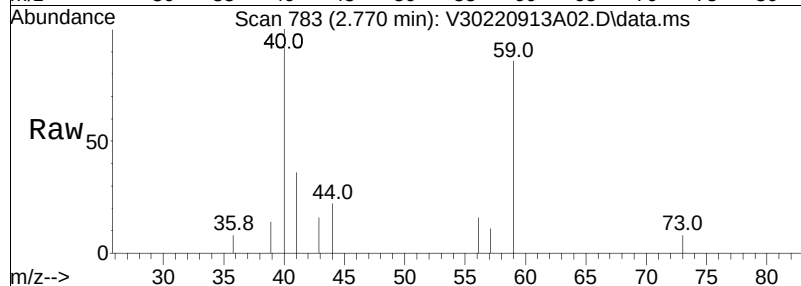
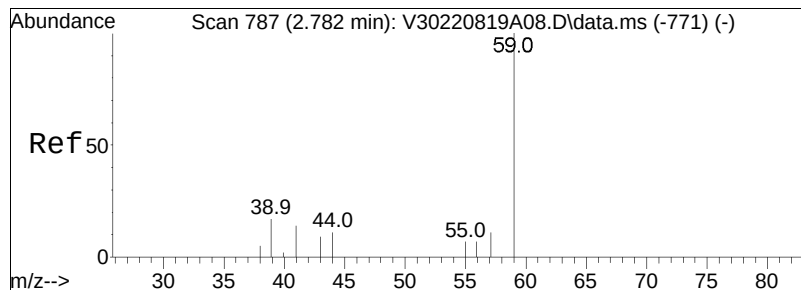




#20
Methyl tert-butyl ether
Concen: 6.68 ug/L
RT: 2.617 min Scan# 728
Delta R.T. -0.006 min
Lab File: V30220913A02.D
Acq: 13 Sep 2022 07:02 am

Tgt	Ion: 73	Resp:	44985
Ion	Ratio	Lower	Upper
73	100		
57	10.2	17.5	36.3#
43	8.6	15.3	31.9#
41	31.7	15.3	31.7





#21

tert-Butyl alcohol

Concen: 41.16 ug/L

RT: 2.770 min Scan# 783

Delta R.T. -0.012 min

Lab File: V30220913A02.D

Acq: 13 Sep 2022 07:02 am

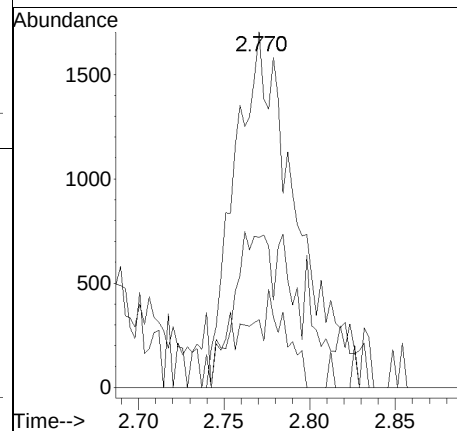
Tgt Ion: 59 Resp: 4278

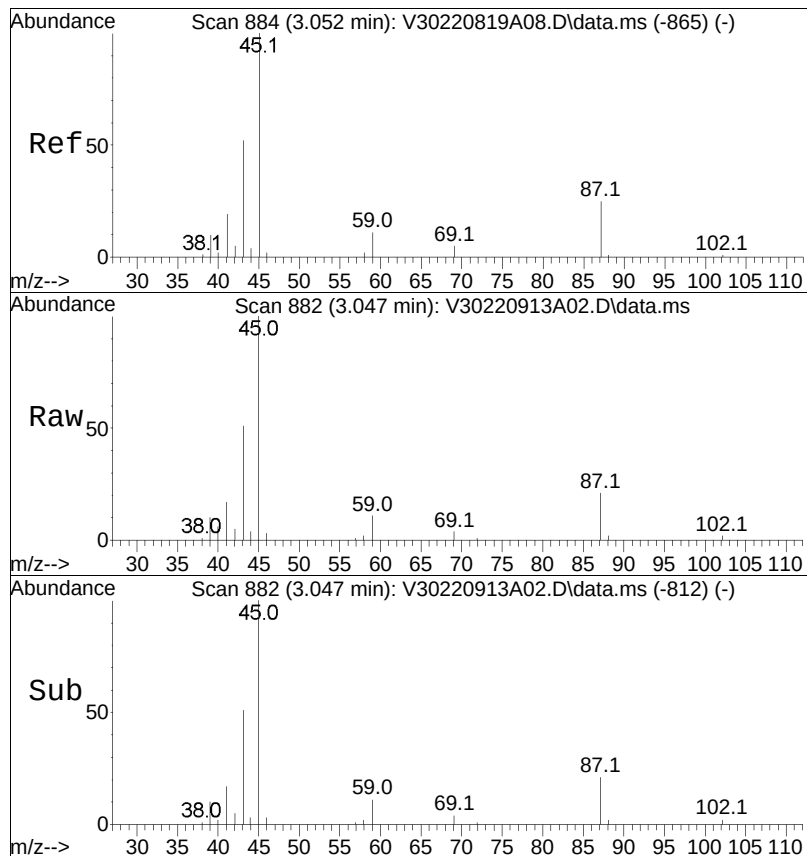
Ion Ratio Lower Upper

59 100

41 25.6 5.8 12.2#

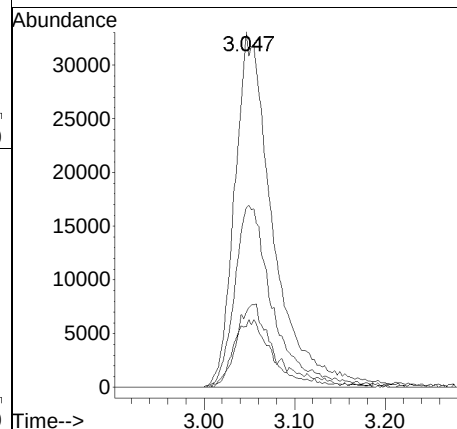
43 8.5 3.8 7.8#

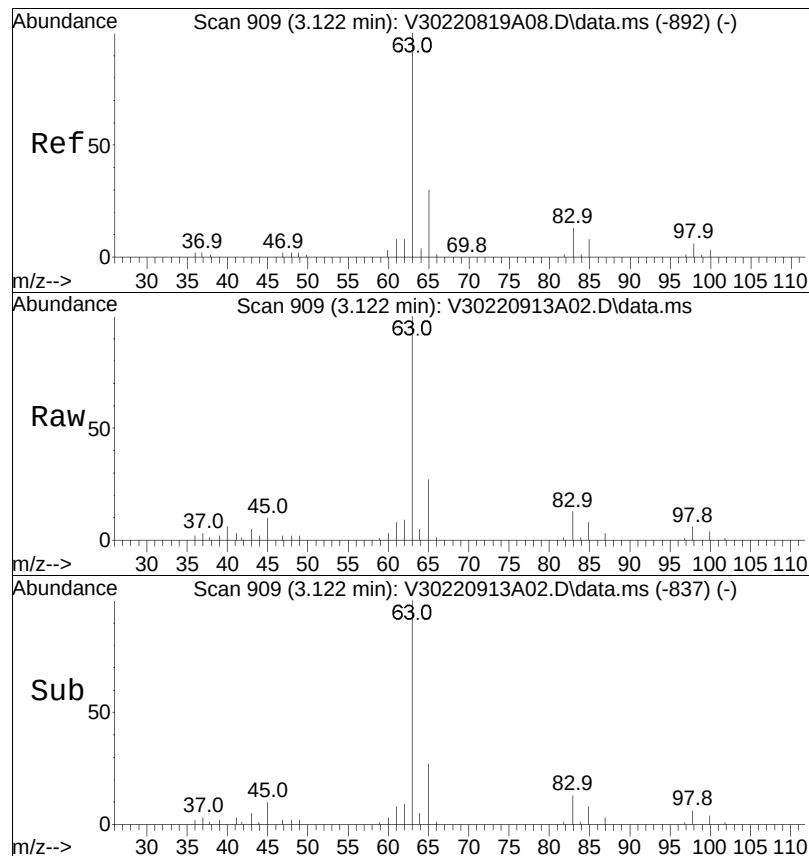




#22
 Diisopropyl ether
 Concen: 8.27 ug/L
 RT: 3.047 min Scan# 882
 Delta R.T. -0.005 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

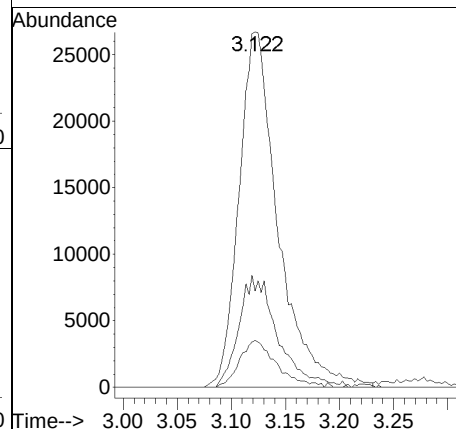
Tgt Ion:	45	Resp:	96852
Ion Ratio	Lower	Upper	
45	100		
43	50.9	29.5	61.3
87	22.4	11.9	24.7
41	18.5	9.9	20.5

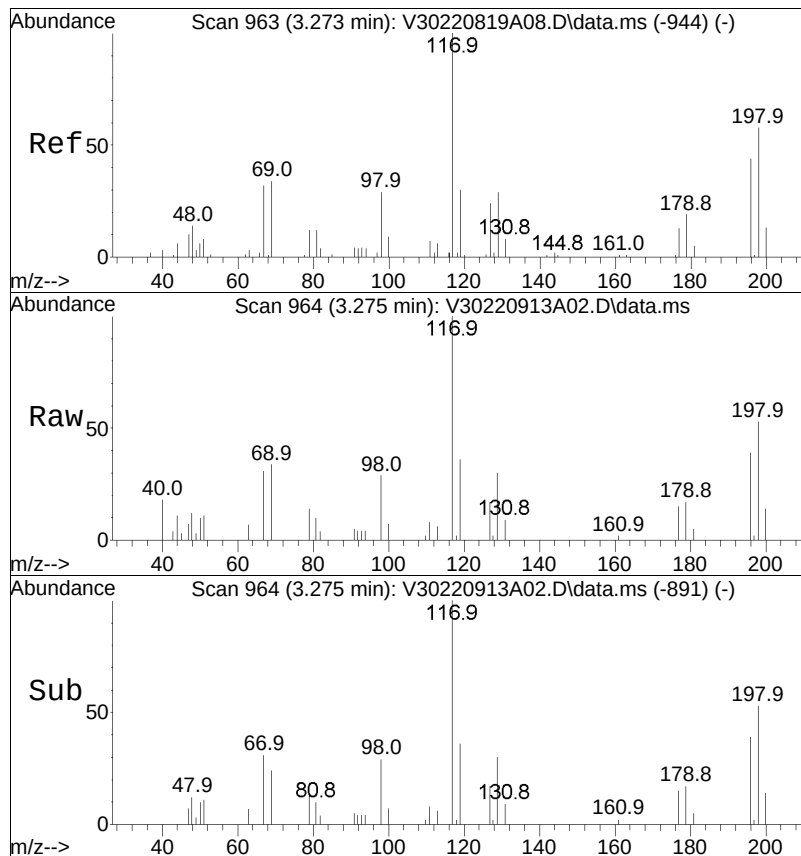




#23
 1,1-Dichloroethane
 Concen: 9.73 ug/L
 RT: 3.122 min Scan# 909
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

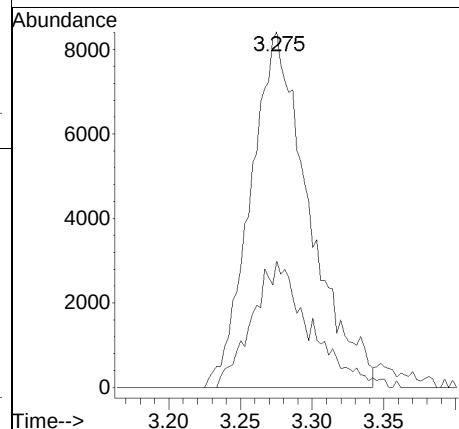
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	11.0	51.0
83	12.6	0.0	31.8

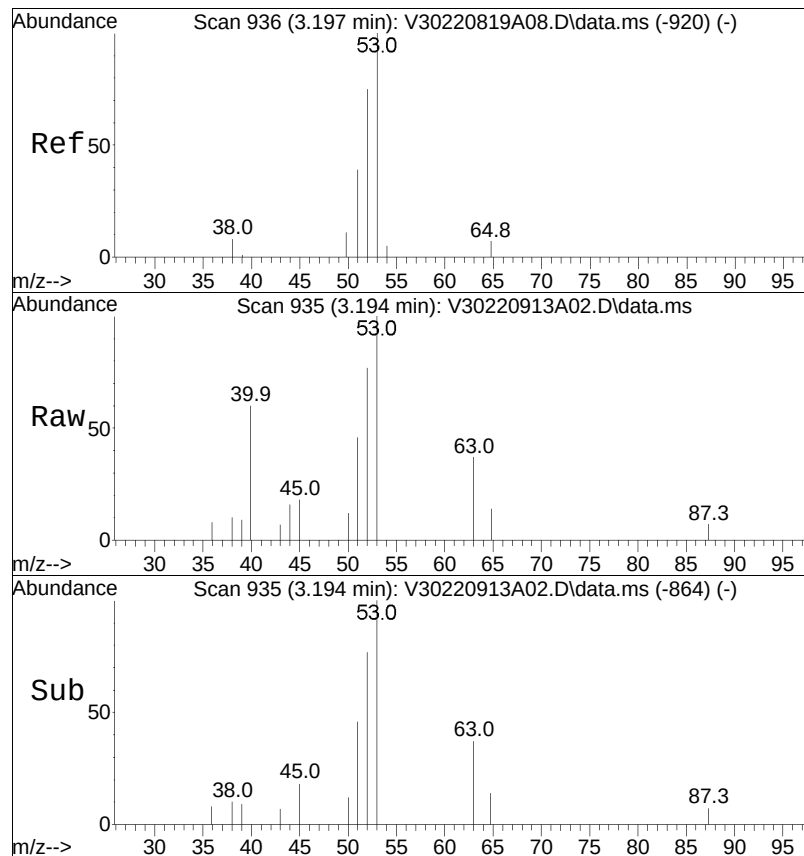




#24
 Halothane
 Concen: 9.02 ug/L
 RT: 3.275 min Scan# 964
 Delta R.T. 0.002 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

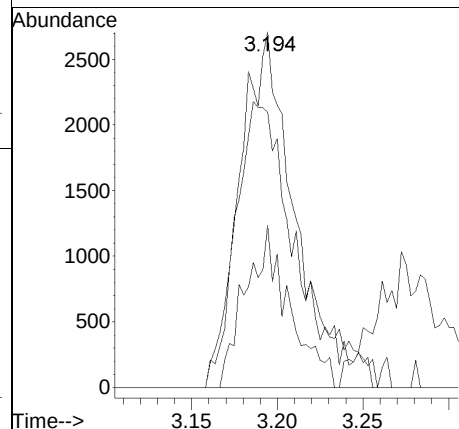
Tgt Ion	Ratio	Lower	Upper
117	100		
119	27.2	20.4	42.4

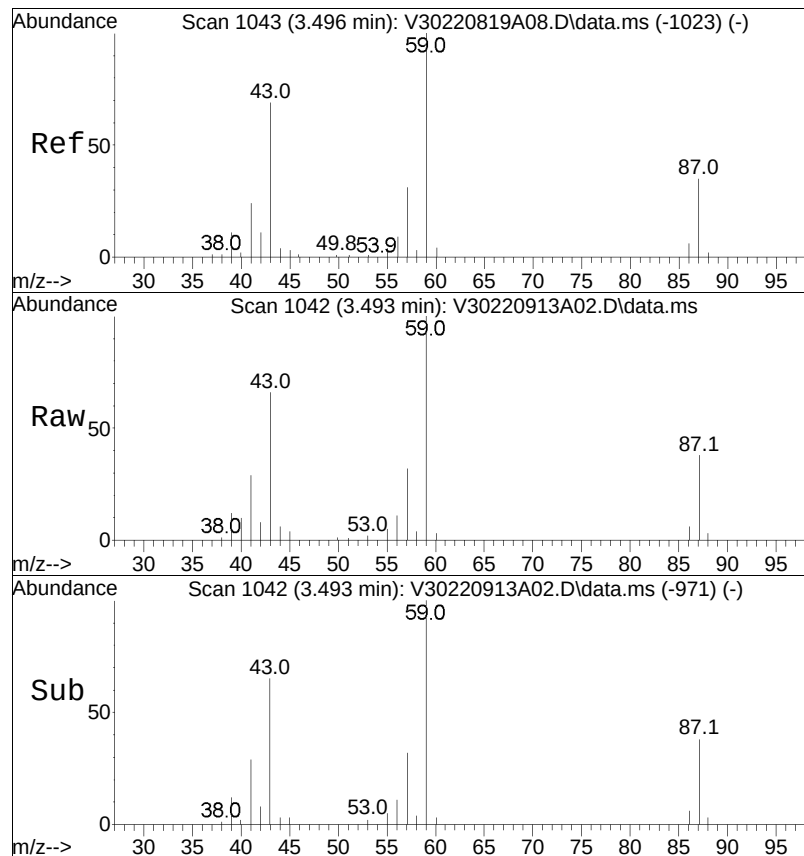




#25
 Acrylonitrile
 Concen: 8.51 ug/L
 RT: 3.194 min Scan# 935
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

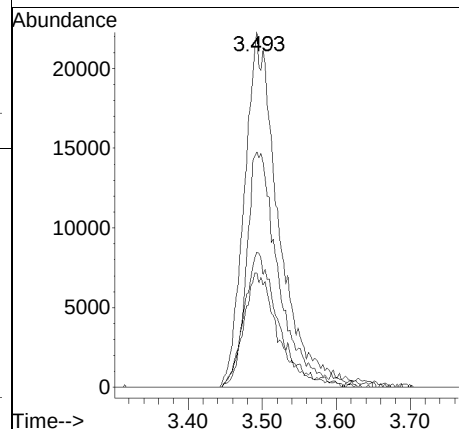
Tgt Ion	Ratio	Lower	Upper
53	100		
52	77.3	66.7	100.1
51	35.3	30.6	46.0

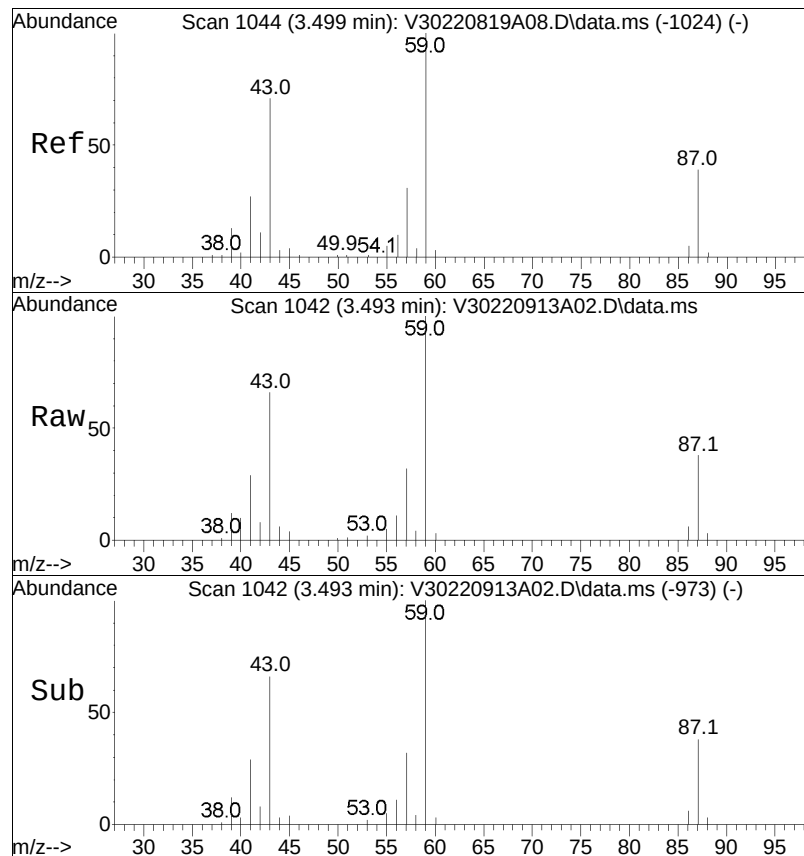




#26
 Ethyl tert-butyl ether
 Concen: 7.82 ug/L M1
 RT: 3.493 min Scan# 1042
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

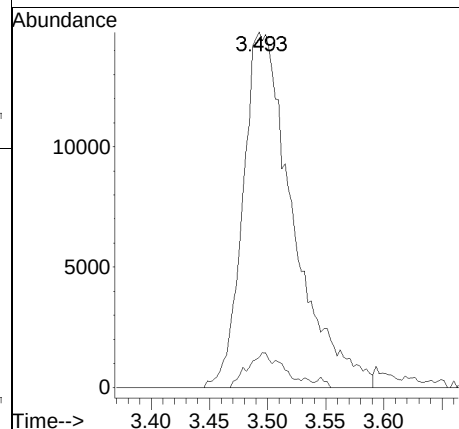
Tgt Ion:	59	Resp:	72737
Ion Ratio	Lower	Upper	
59	100		
87	36.7	20.9	43.3
57	31.3	20.6	42.8
43	60.9	38.5	79.9

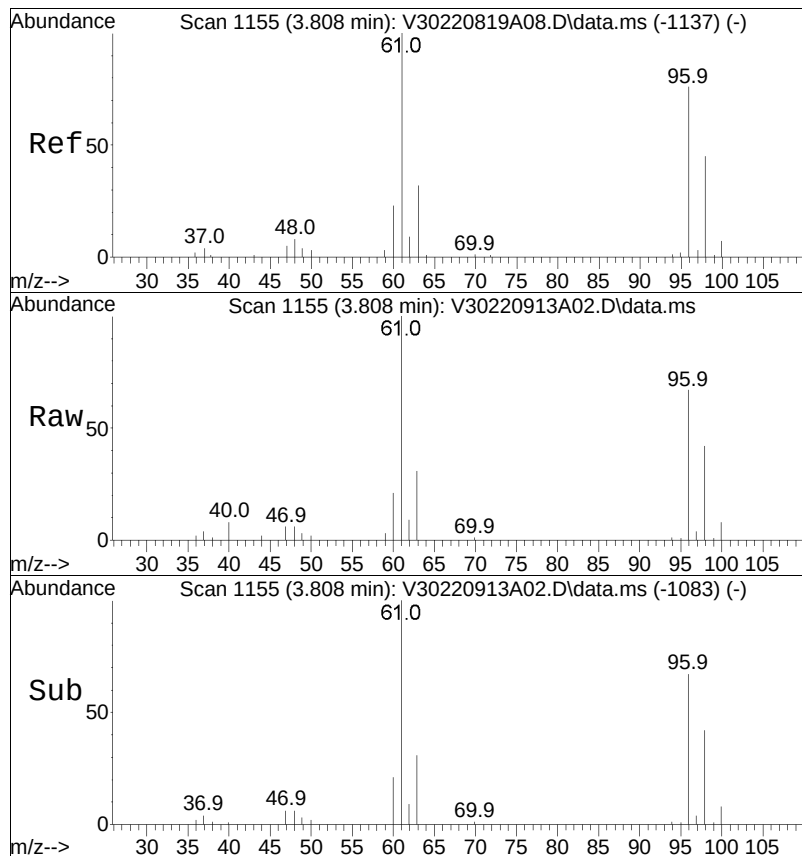




#27
 Vinyl acetate
 Concen: 7.18 ug/L
 RT: 3.493 min Scan# 1042
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

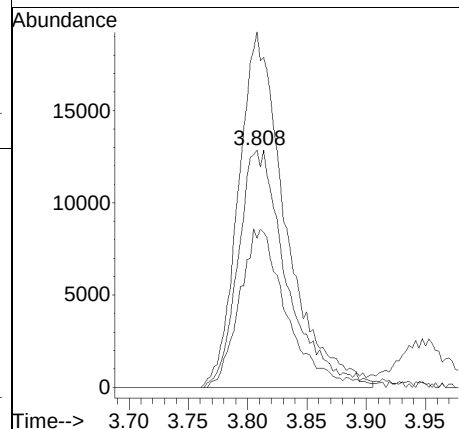
Tgt Ion:	43	86	Ratio	Lower	Upper
Resp:	44299		100		
			4.5	5.2	7.8#

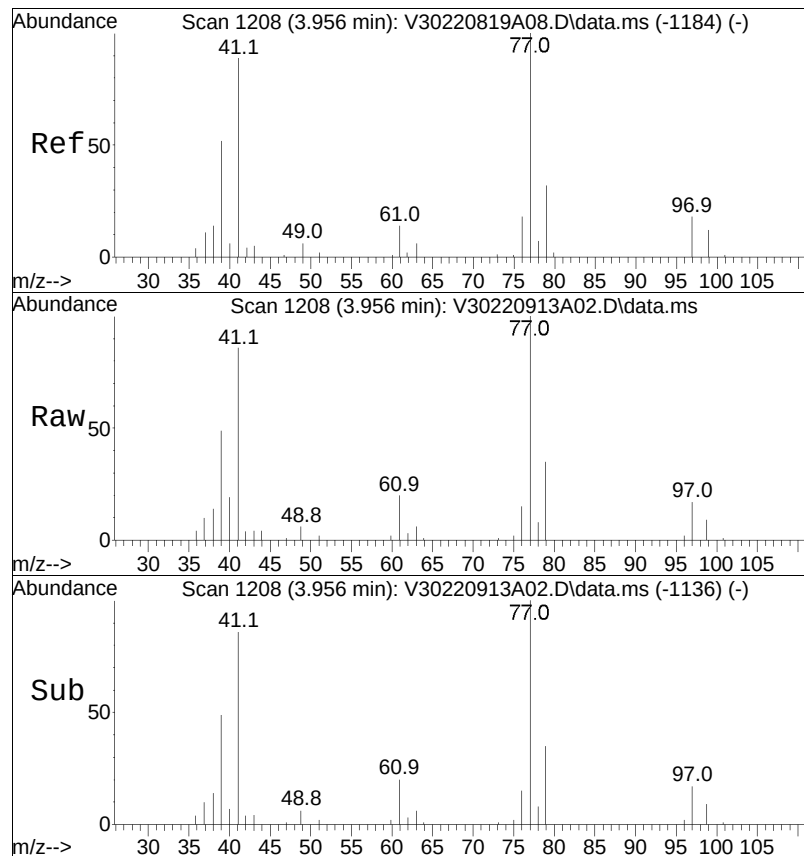




#28
 cis-1,2-Dichloroethene
 Concen: 9.25 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

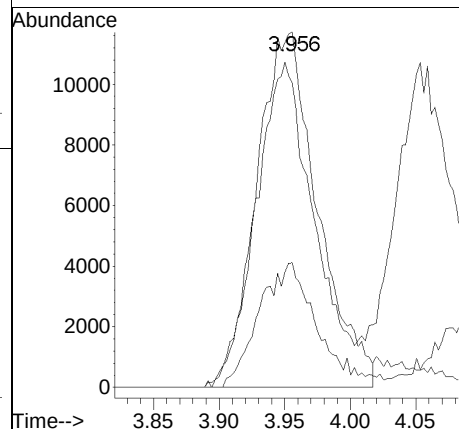
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	149.4	224.2#
98	63.8	53.4	80.2

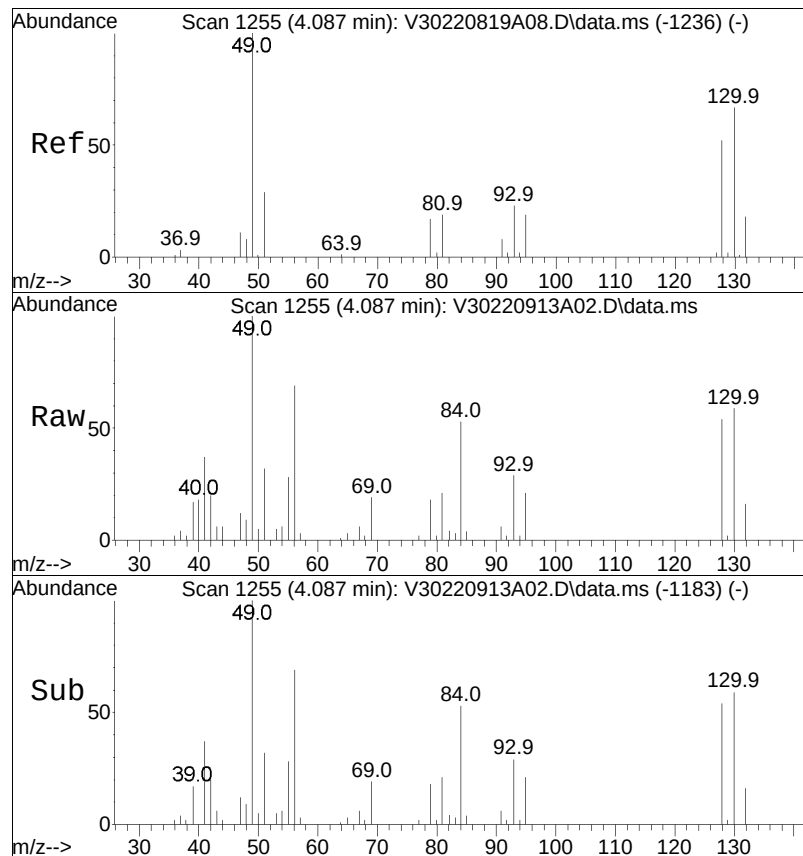




#29
 2,2-Dichloropropane
 Concen: 8.37 ug/L
 RT: 3.956 min Scan# 1208
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

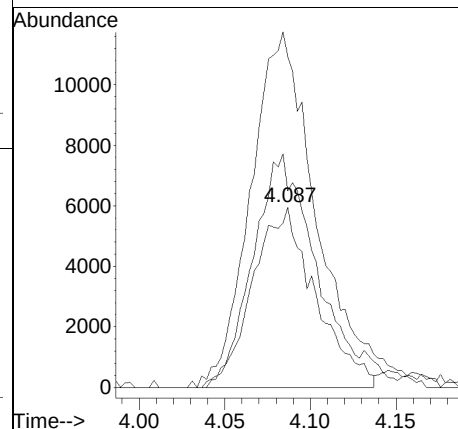
Tgt Ion	Ratio	Lower	Upper
77	100		
41	85.7	38.0	78.8#
79	31.4	20.5	42.5

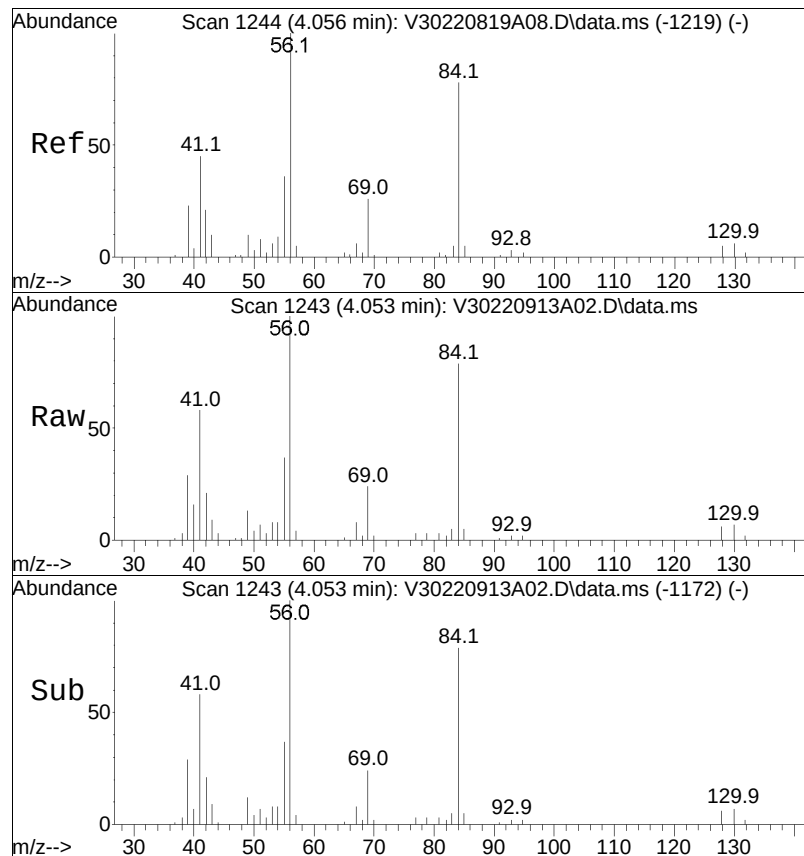




#30
 Bromochloromethane
 Concen: 8.78 ug/L
 RT: 4.087 min Scan# 1255
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

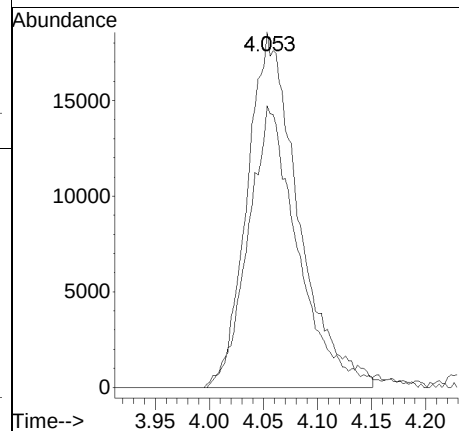
Tgt Ion	Ratio	Lower	Upper
128	100		
49	210.3	223.0	334.4#
130	128.5	111.4	167.0

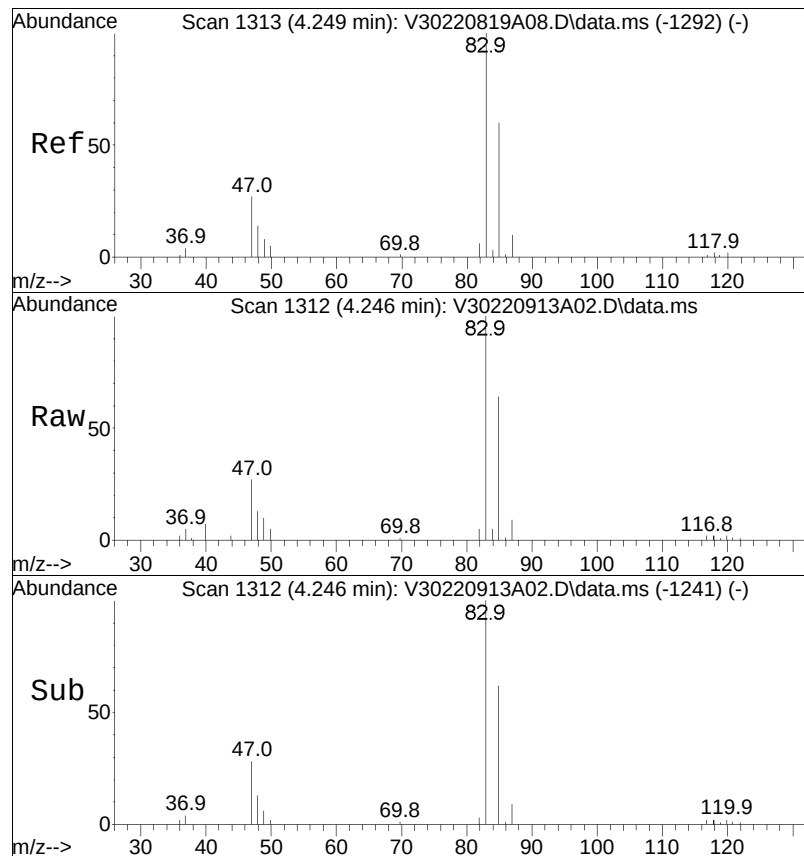




#31
 Cyclohexane
 Concen: 8.93 ug/L
 RT: 4.053 min Scan# 1243
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

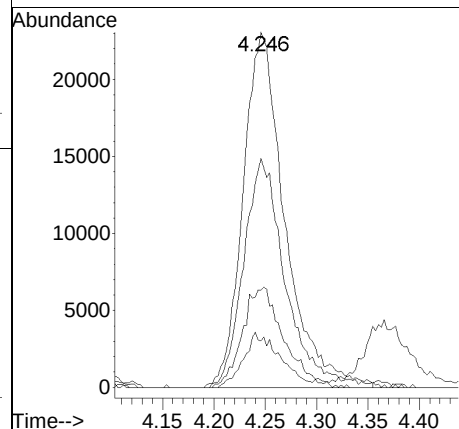
Tgt	Ion	Resp	Lower	Upper
56	100	61183		
84	76.8	38.4	79.8	

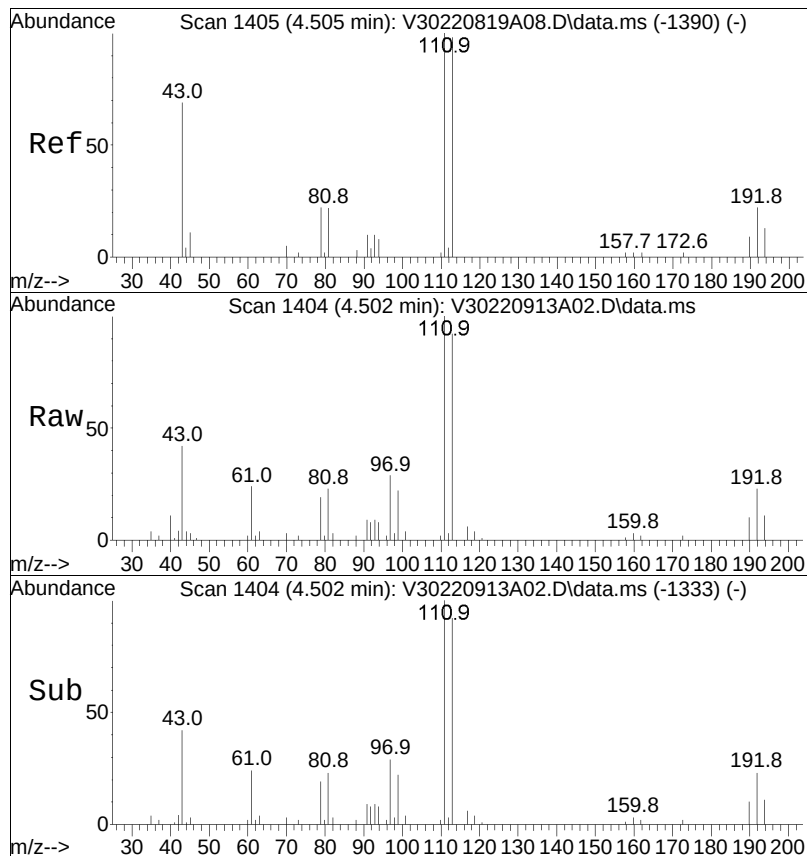




#32
 Chloroform
 Concen: 9.64 ug/L
 RT: 4.246 min Scan# 1312
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

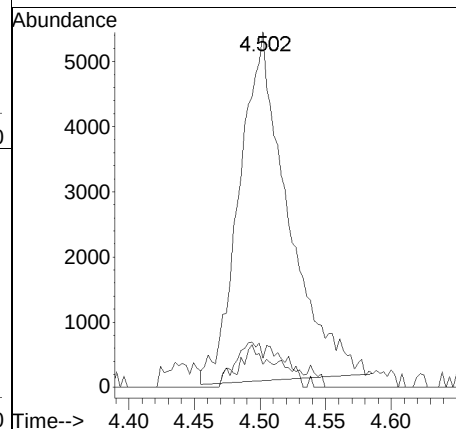
Tgt	Ion: 83	Resp:	65281
Ion	Ratio	Lower	Upper
83	100		
85	64.4	41.5	86.1
47	27.8	19.0	39.4
48	13.5	9.9	20.5

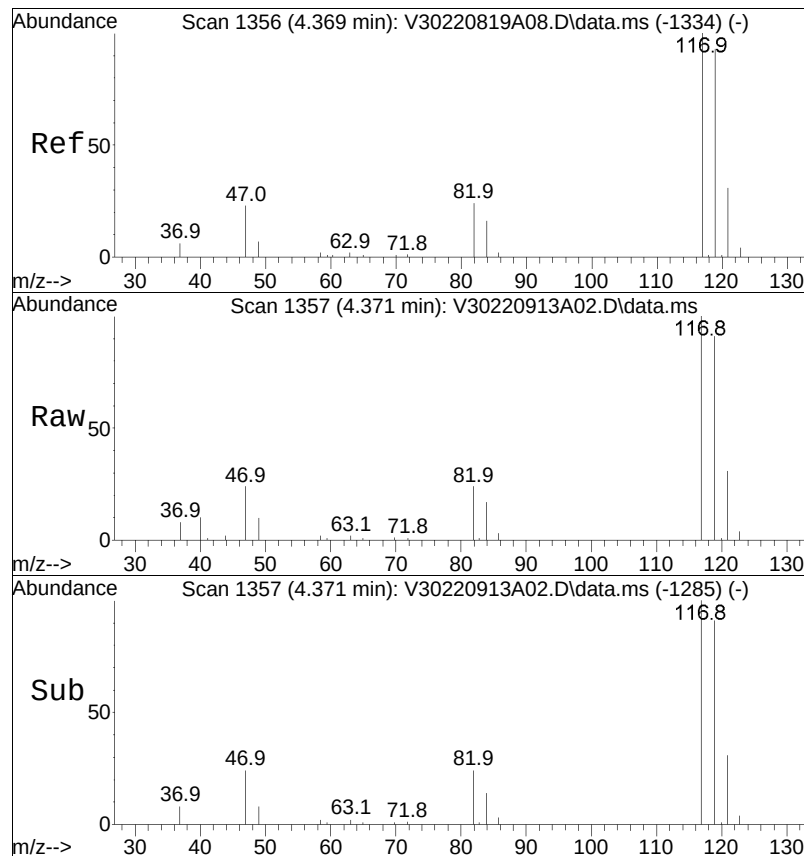




#33
Ethyl acetate
Concen: 6.98 ug/L
RT: 4.502 min Scan# 1404
Delta R.T. -0.003 min
Lab File: V30220913A02.D
Acq: 13 Sep 2022 07:02 am

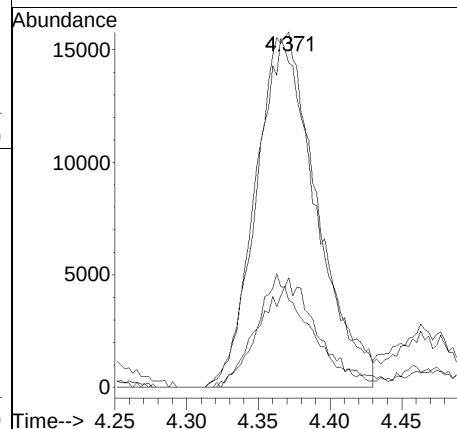
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	13819		
45	7.0		12.2	18.2#
70	3.6		4.1	6.1#

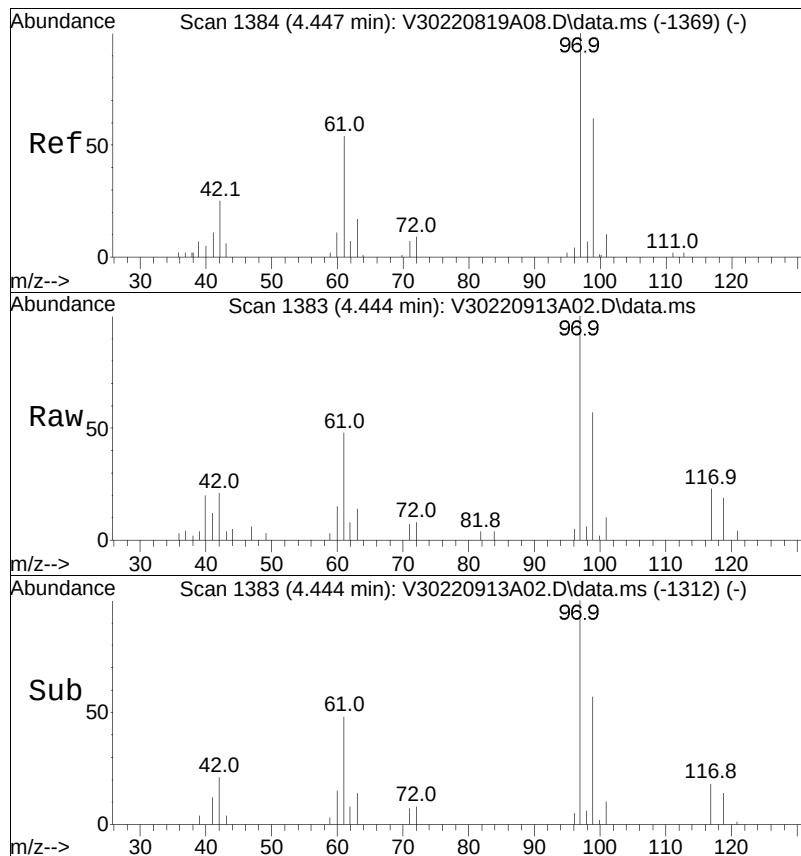




#34
 Carbon tetrachloride
 Concen: 9.77 ug/L
 RT: 4.371 min Scan# 1357
 Delta R.T. 0.002 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

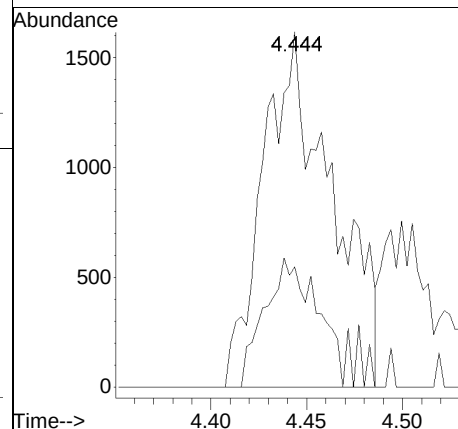
Tgt Ion:	117	Resp:	47015
Ion Ratio	Lower	Upper	
117	100		
119	97.2	62.4	129.6
121	15.0	19.5	40.5#
82	26.2	17.0	35.4

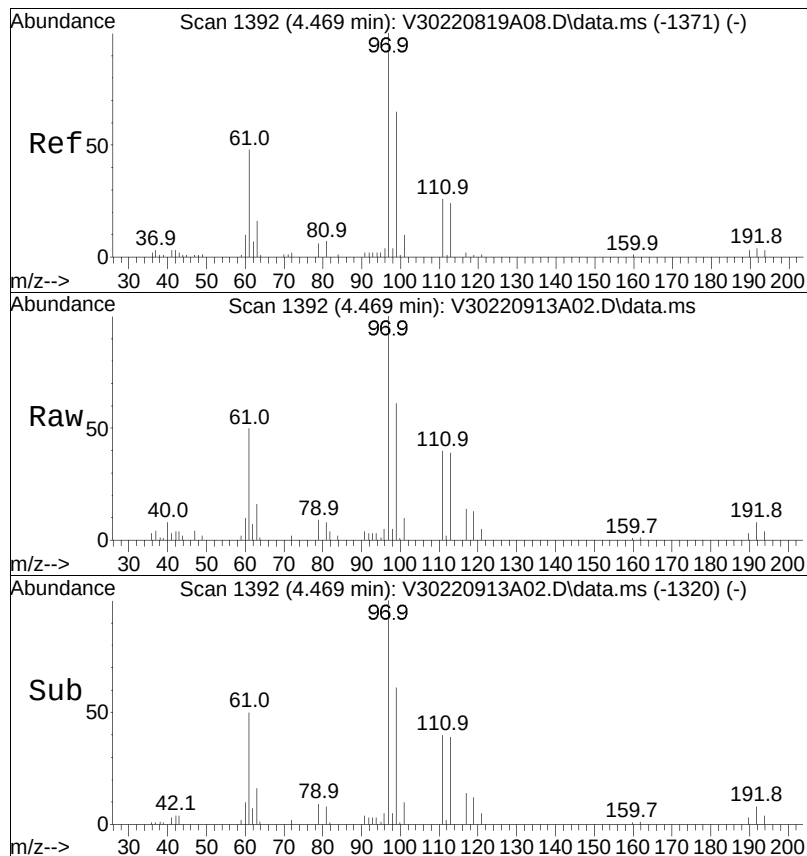




#35
 Tetrahydrofuran
 Concen: 7.50 ug/L M3
 RT: 4.444 min Scan# 1383
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

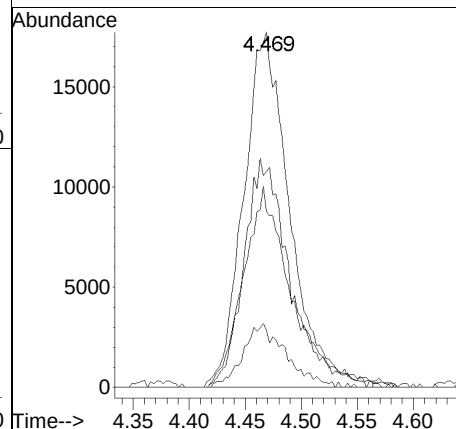
Tgt Ion	Ratio	Lower	Upper
42	100		
71	27.8	18.4	27.6#

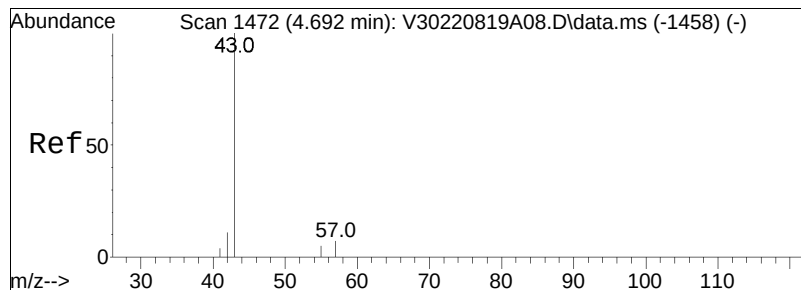




#37
 1,1,1-Trichloroethane
 Concen: 9.03 ug/L
 RT: 4.469 min Scan# 1392
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

Tgt Ion:	97	Resp:	50839
Ion Ratio	Lower	Upper	
97	100		
99	65.1	40.7	84.5
61	56.9	35.4	73.4
63	16.8	5.0	10.4#





#39

2-Butanone

Concen: 8.51 ug/L M1

RT: 4.681 min Scan# 1468

Delta R.T. -0.011 min

Lab File: V30220913A02.D

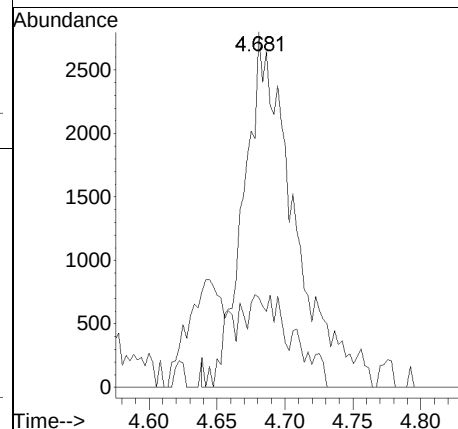
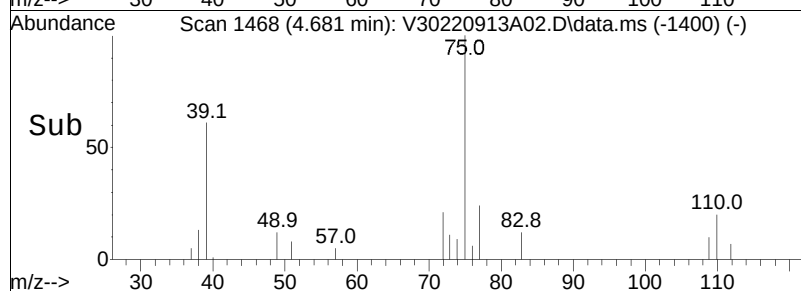
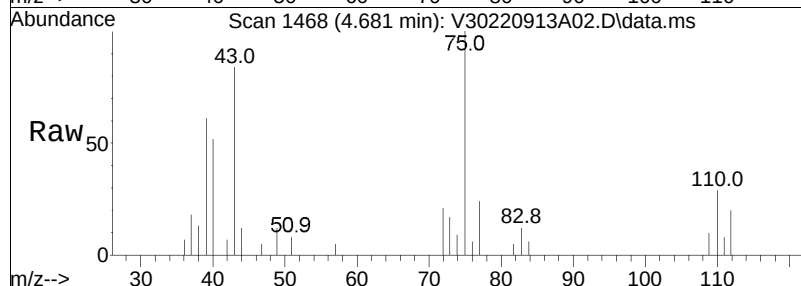
Acq: 13 Sep 2022 07:02 am

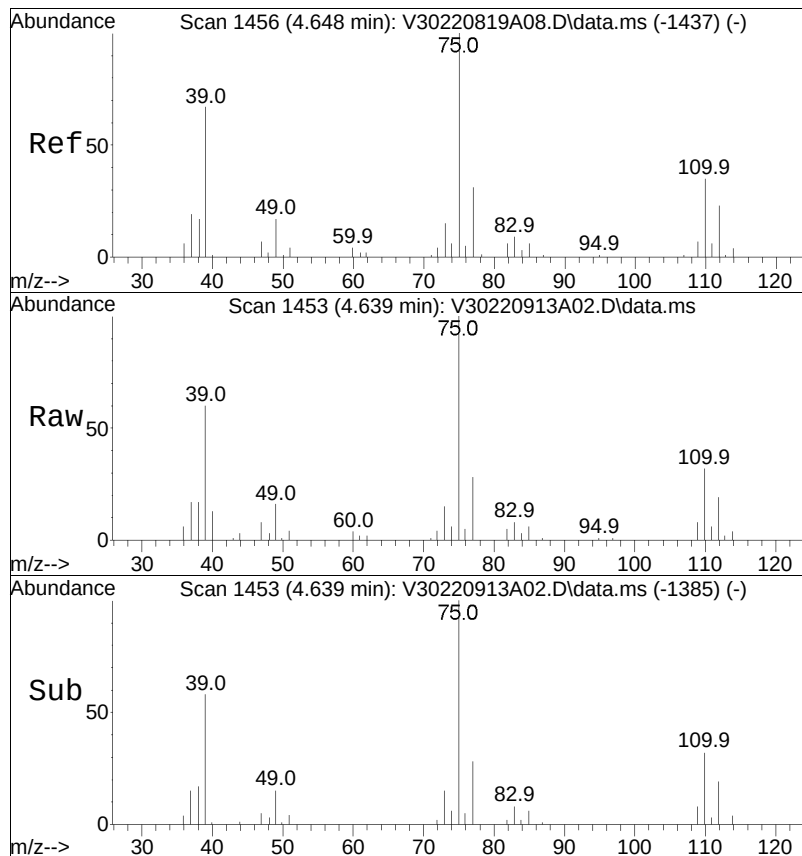
Tgt Ion: 43 Resp: 7207

Ion Ratio Lower Upper

43 100

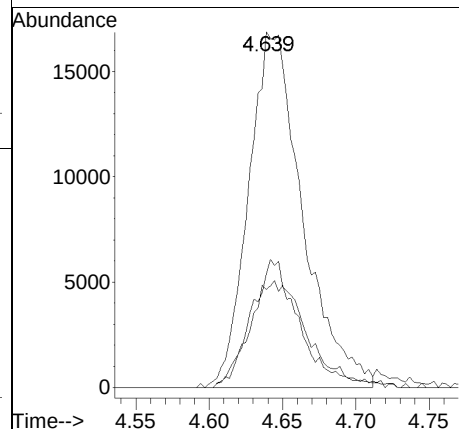
72 2.4 10.9 16.3#

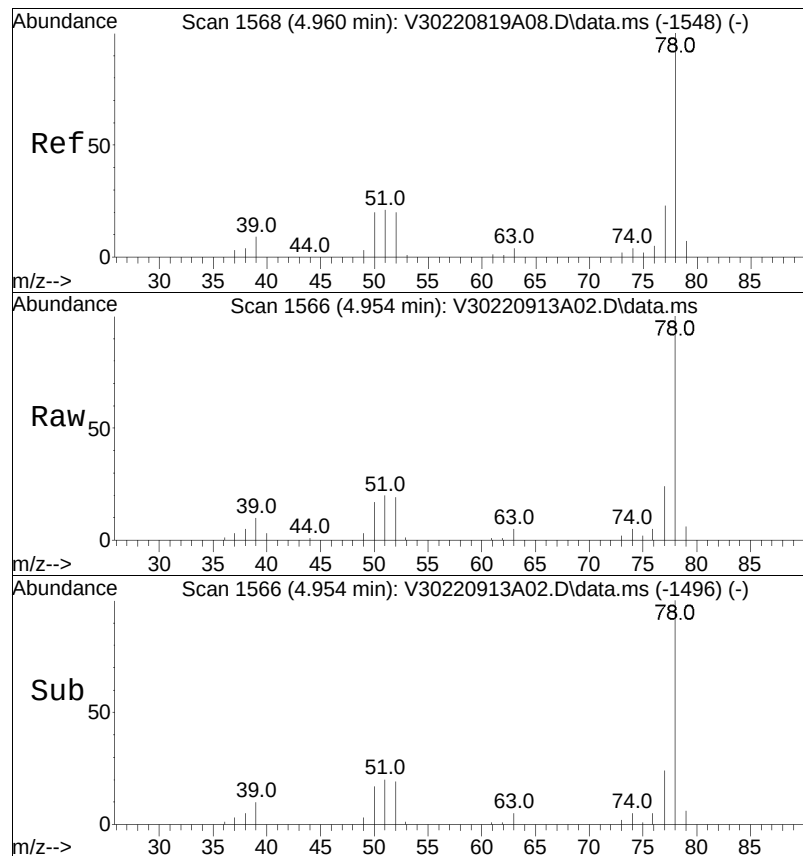




#40
 1,1-Dichloropropene
 Concen: 9.02 ug/L
 RT: 4.639 min Scan# 1453
 Delta R.T. -0.009 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

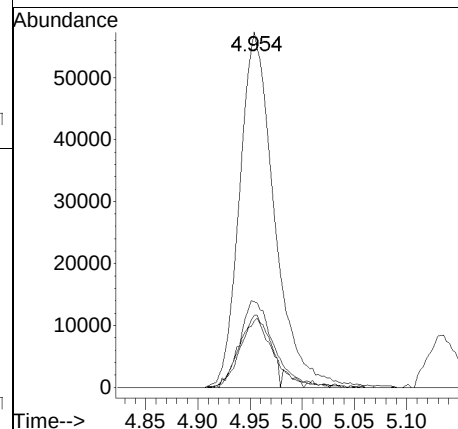
Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	20.2	41.9
77	30.4	20.1	41.7

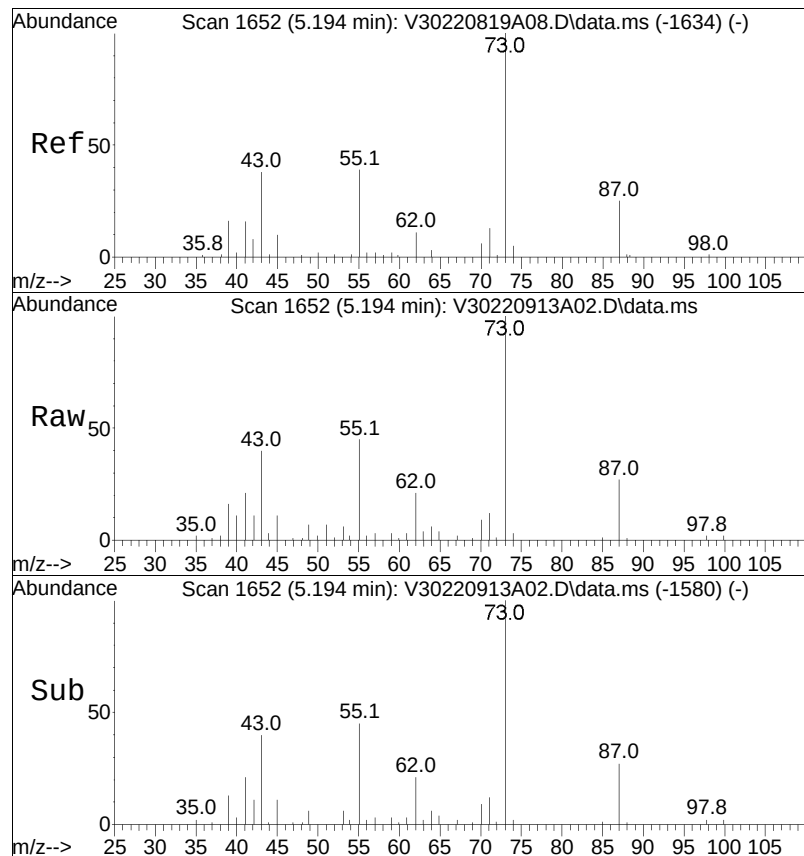




#41
 Benzene
 Concen: 9.36 ug/L
 RT: 4.954 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

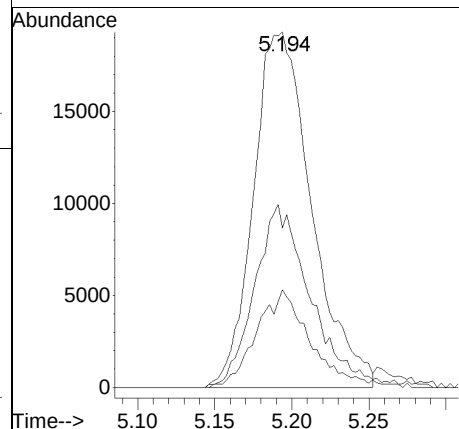
Tgt Ion:	78	Resp:	133133
Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.7	32.7
51	17.7	16.0	33.2
52	18.8	15.3	31.9

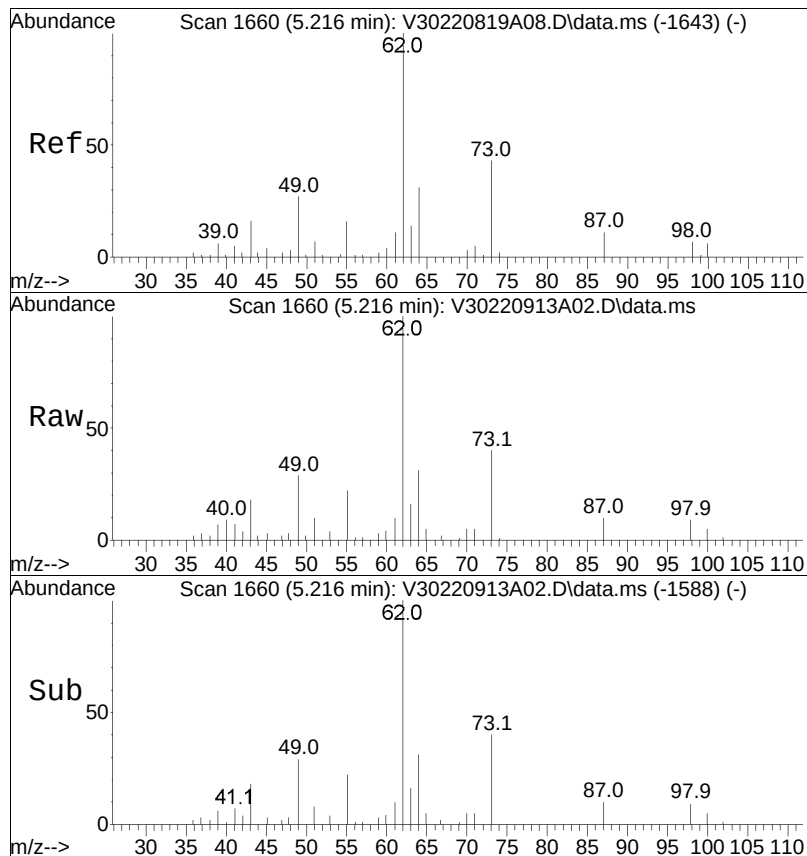




#42
 tert-Amyl methyl ether
 Concen: 6.79 ug/L
 RT: 5.194 min Scan# 1652
 Delta R.T. -0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

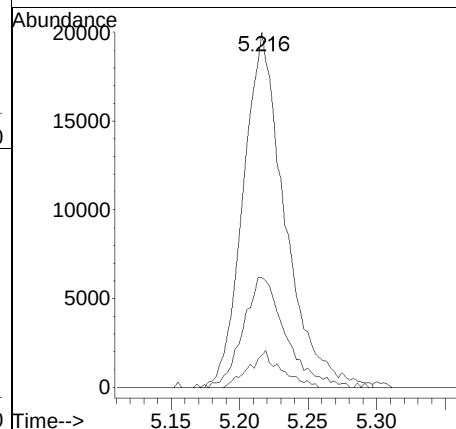
Tgt Ion	Ratio	Lower	Upper
73	100		
55	49.4	22.2	46.0#
87	25.6	17.2	35.8

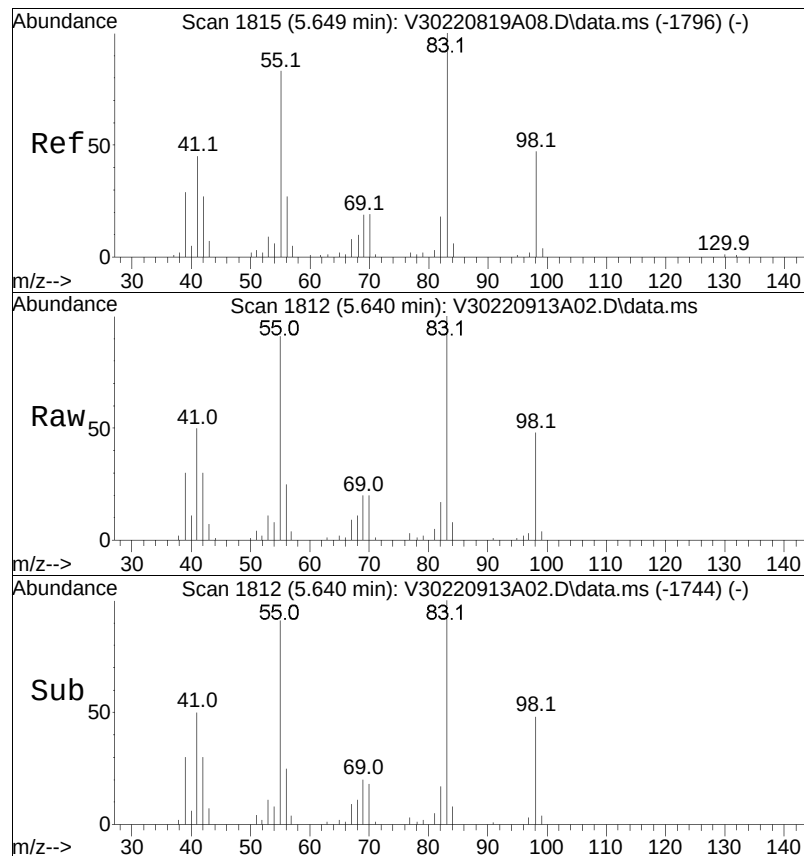




#44
 1,2-Dichloroethane
 Concen: 8.48 ug/L
 RT: 5.216 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

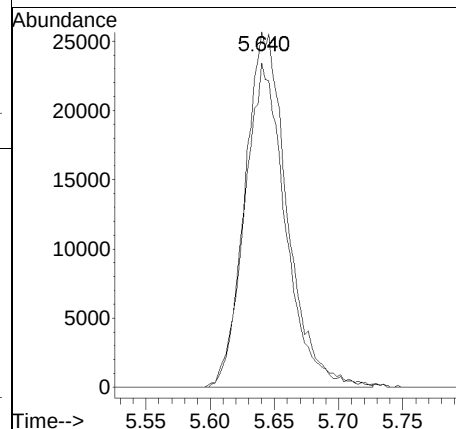
Tgt Ion:	62	64	98	Ratio	Lower	Upper
Resp:	42264					
Ion Ratio	100	31.7	8.1			
		11.2	0.0			
		51.2	26.1			

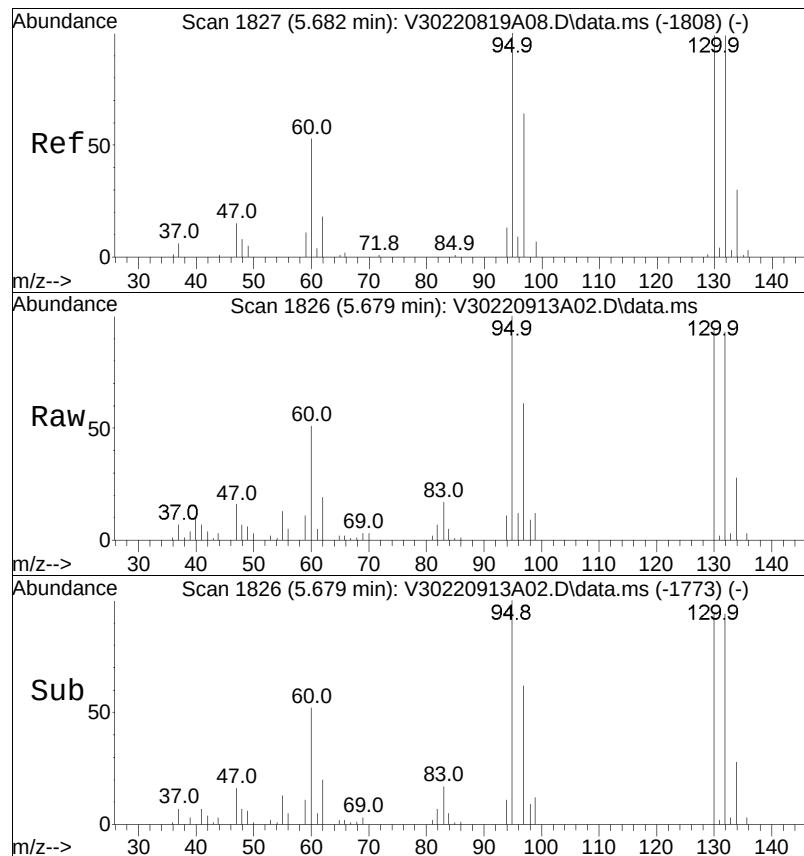




#47
Methyl cyclohexane
Concen: 9.19 ug/L
RT: 5.640 min Scan# 1812
Delta R.T. -0.009 min
Lab File: V30220913A02.D
Acq: 13 Sep 2022 07:02 am

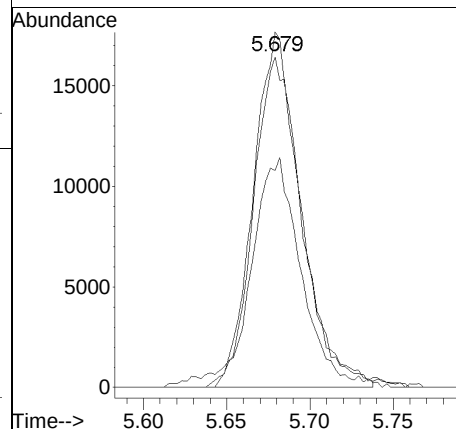
Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.8	88.3	132.5#

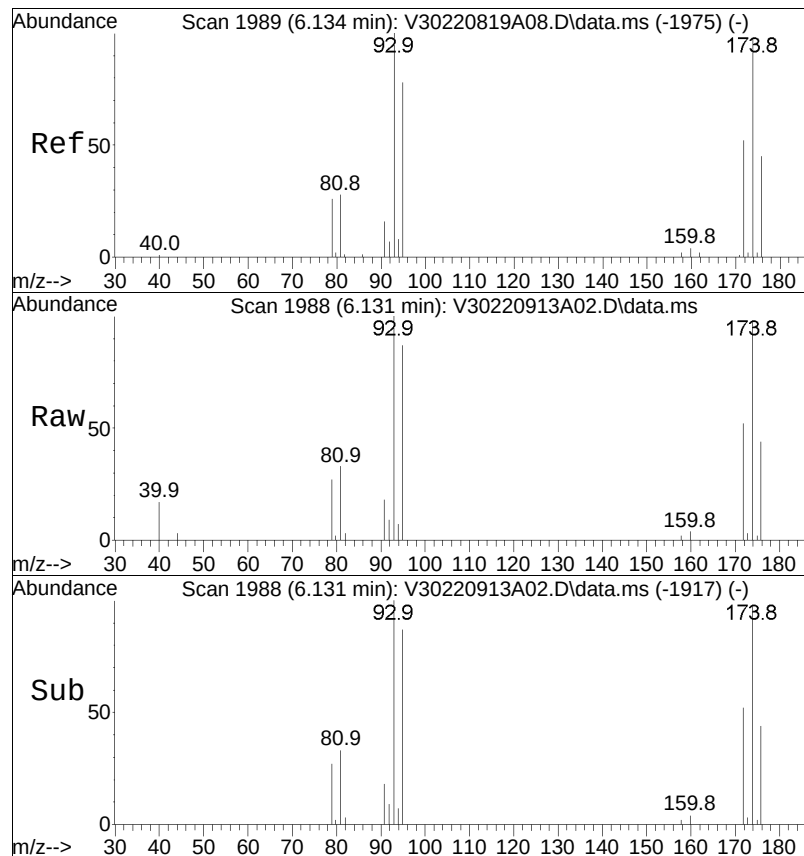




#48
 Trichloroethene
 Concen: 9.56 ug/L
 RT: 5.679 min Scan# 1826
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

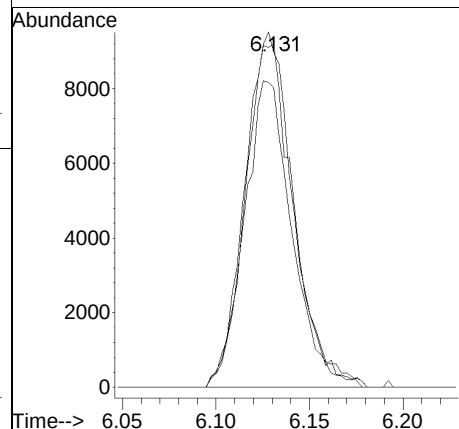
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	35394		
97	67.1		55.5	83.3
132	94.5		76.6	115.0

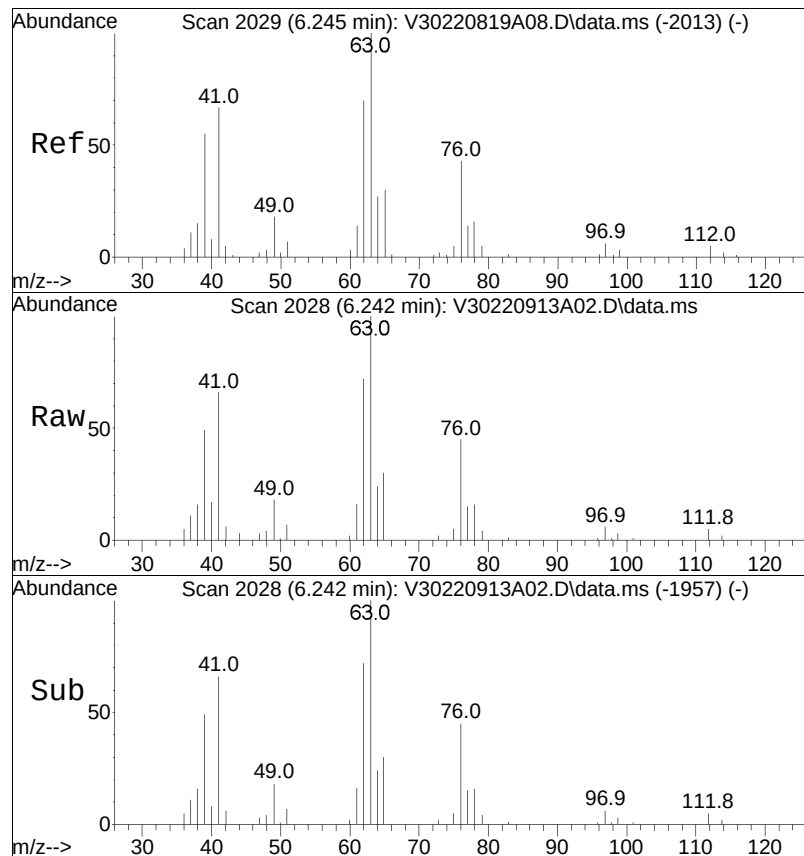




#50
 Dibromomethane
 Concen: 8.61 ug/L
 RT: 6.131 min Scan# 1988
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

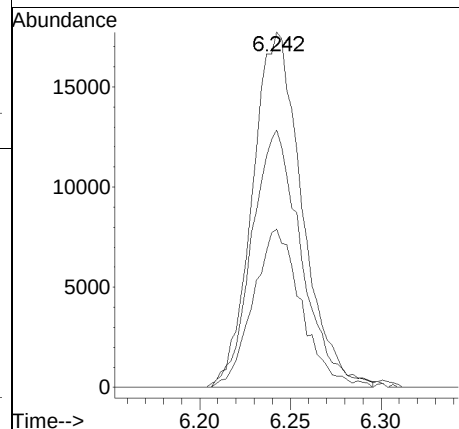
Tgt Ion:	93	Resp:	16984
Ion Ratio	Lower	Upper	
93	100		
95	85.6	67.0	100.4
174	99.5	75.0	112.4

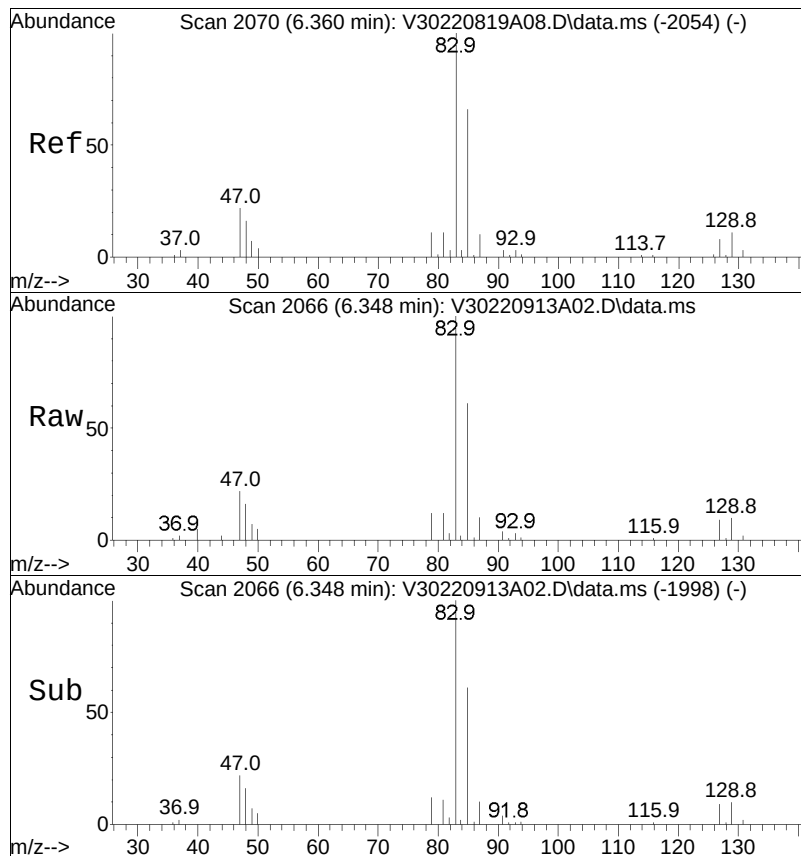




#51
 1,2-Dichloropropane
 Concen: 8.99 ug/L
 RT: 6.242 min Scan# 2028
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

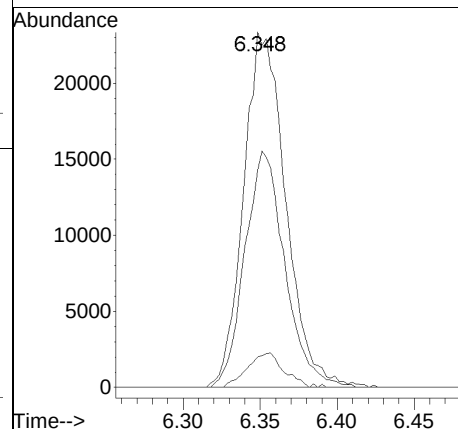
Tgt	Ion: 63	Resp:	33770
Ion	Ratio	Lower	Upper
63	100		
62	72.9	58.6	87.8
76	43.5	38.0	57.0

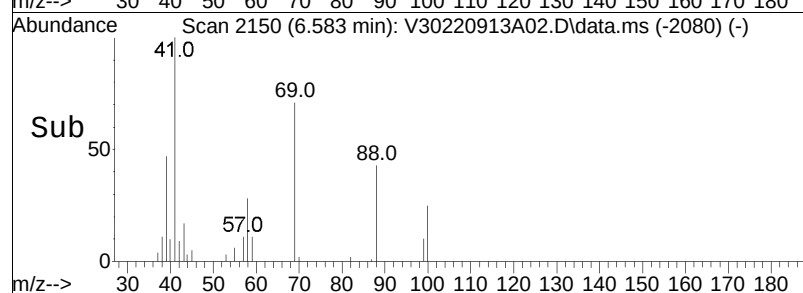
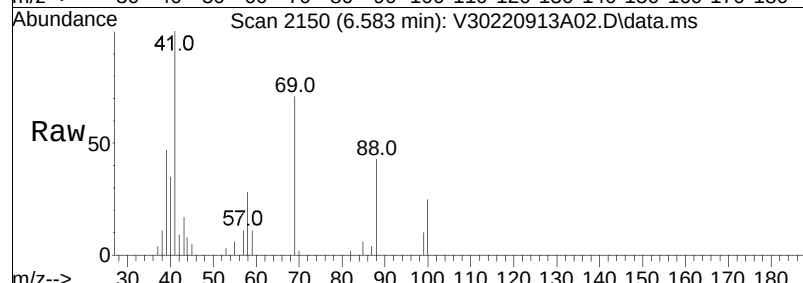
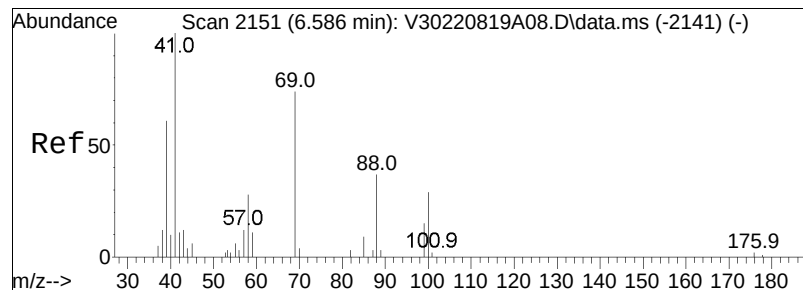




#54
 Bromodichloromethane
 Concen: 8.75 ug/L
 RT: 6.348 min Scan# 2066
 Delta R.T. -0.012 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

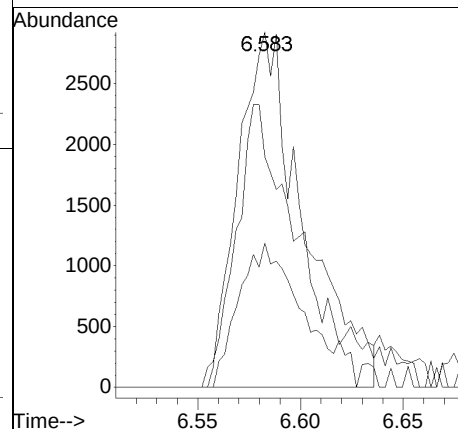
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5
127	8.3	6.2	9.4

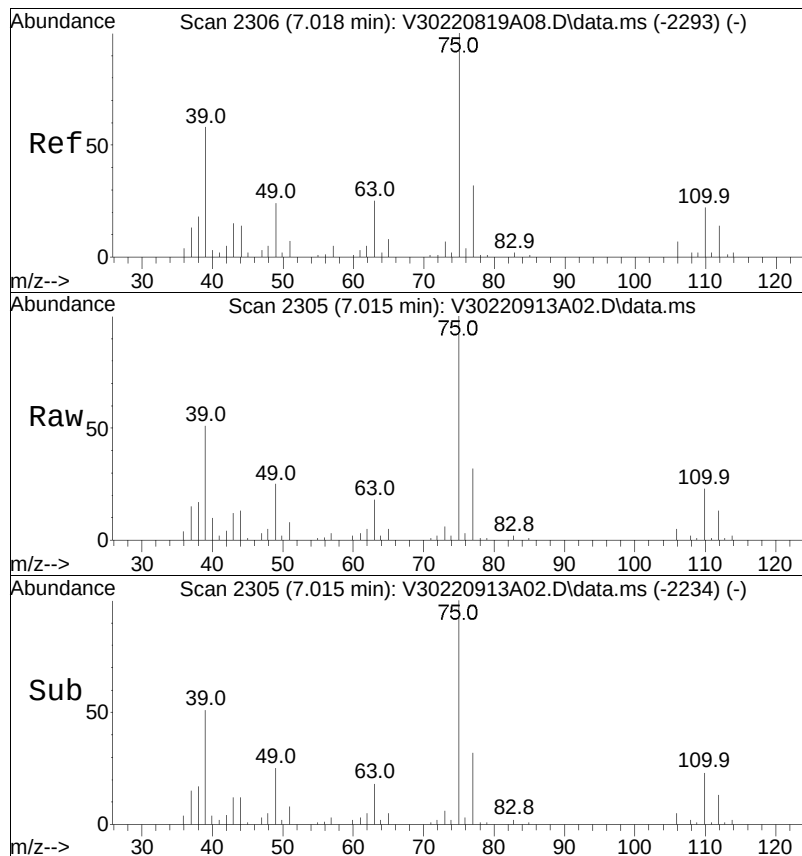




#57
 1,4-Dioxane
 Concen: 525.60 ug/L
 RT: 6.583 min Scan# 2150
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

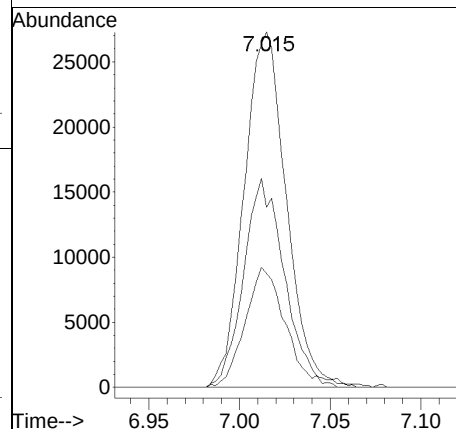
Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.1	76.7	115.1#
43	37.4	36.2	54.2

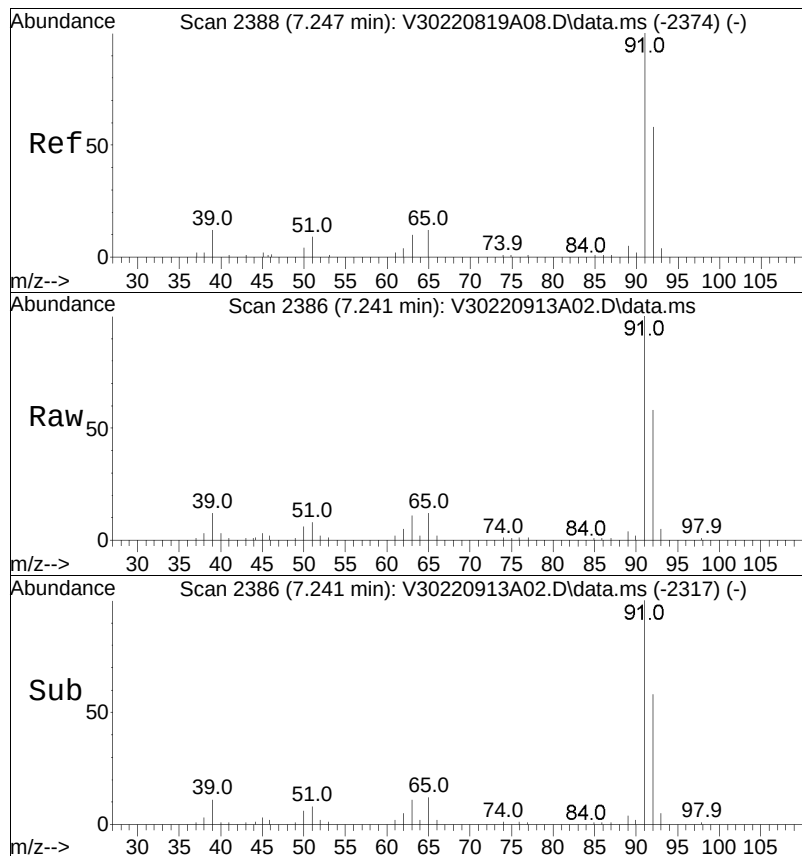




#58
 cis-1,3-Dichloropropene
 Concen: 8.78 ug/L
 RT: 7.015 min Scan# 2305
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

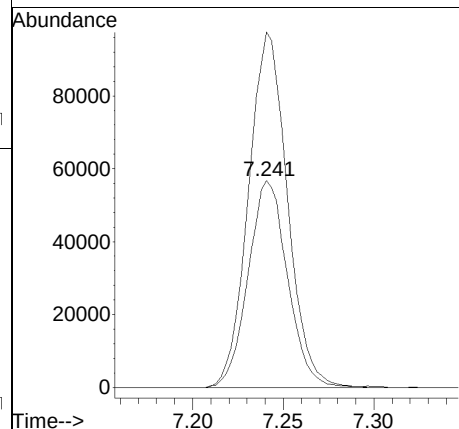
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4
39	57.3	50.1	75.1

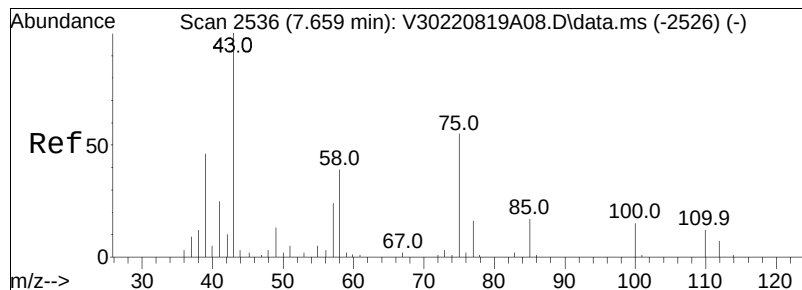




#61
 Toluene
 Concen: 9.38 ug/L
 RT: 7.241 min Scan# 2386
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

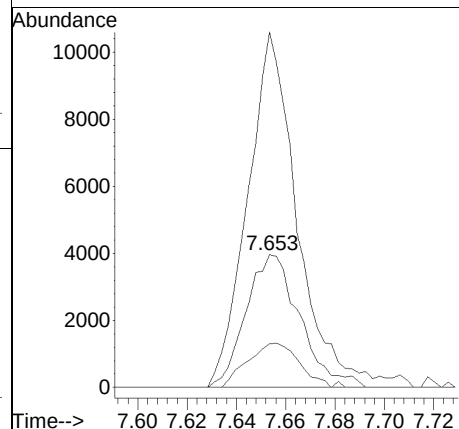
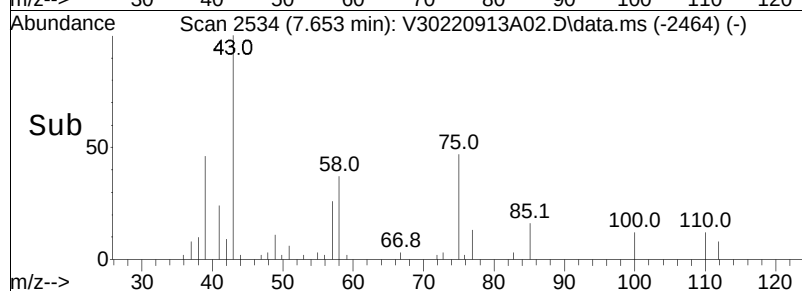
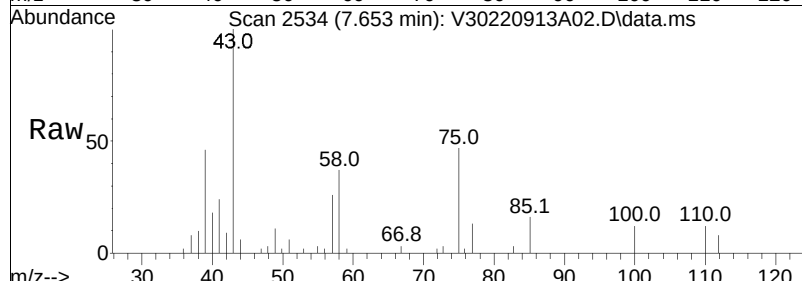
Tgt Ion:	92	Resp:	85629
Ion Ratio	Lower	Upper	
92	100		
91	169.5	139.8	209.6

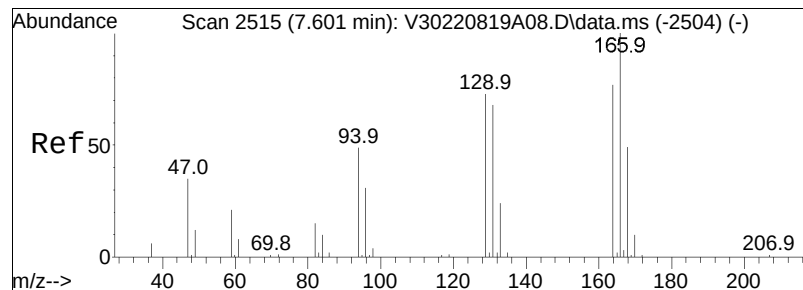




#62
 4-Methyl-2-pentanone
 Concen: 7.43 ug/L
 RT: 7.653 min Scan# 2534
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

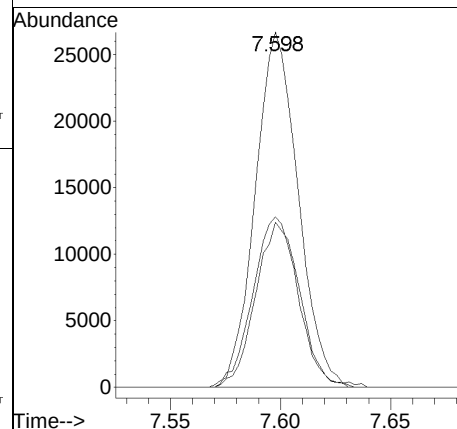
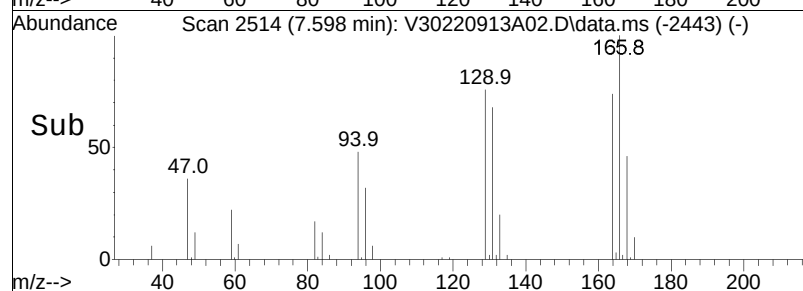
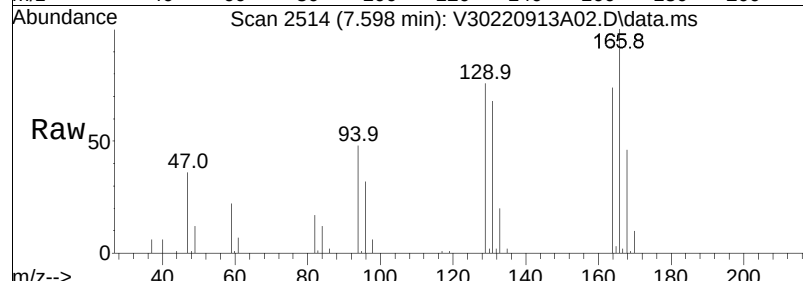
Tgt Ion	Ratio	Lower	Upper
58	100		
100	32.4	20.2	30.2#
43	246.1	196.6	295.0

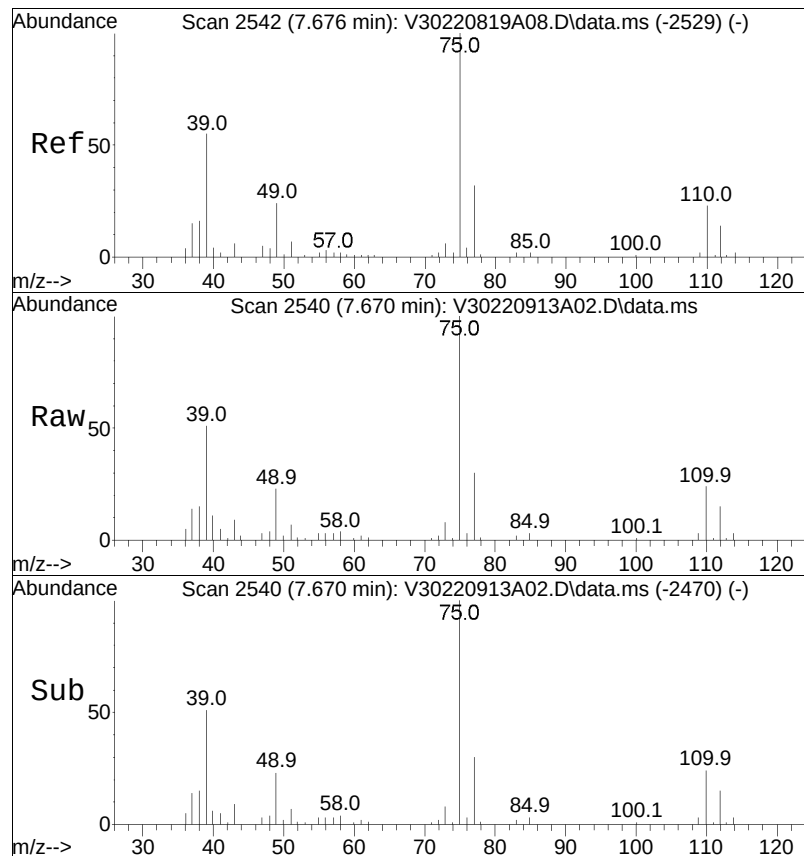




#63
Tetrachloroethene
Concen: 9.39 ug/L
RT: 7.598 min Scan# 2514
Delta R.T. -0.003 min
Lab File: V30220913A02.D
Acq: 13 Sep 2022 07:02 am

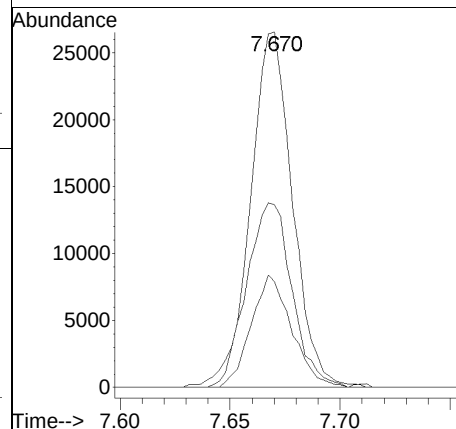
Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.8	28.2	68.2
94	50.2	38.4	78.4

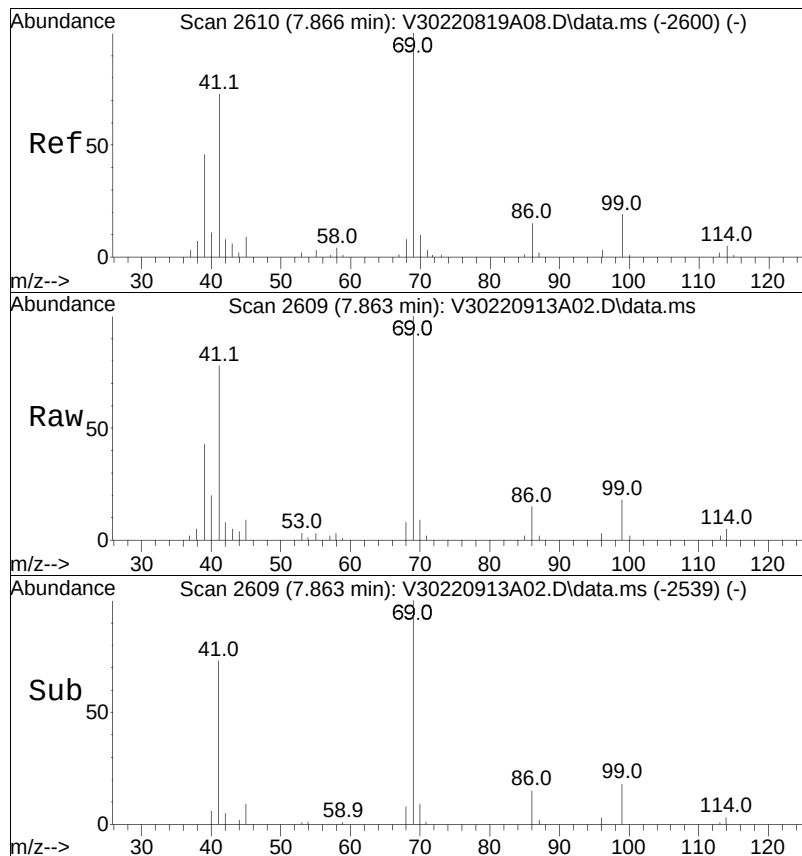




#65
trans-1,3-Dichloropropene
Concen: 8.84 ug/L
RT: 7.670 min Scan# 2540
Delta R.T. -0.006 min
Lab File: V30220913A02.D
Acq: 13 Sep 2022 07:02 am

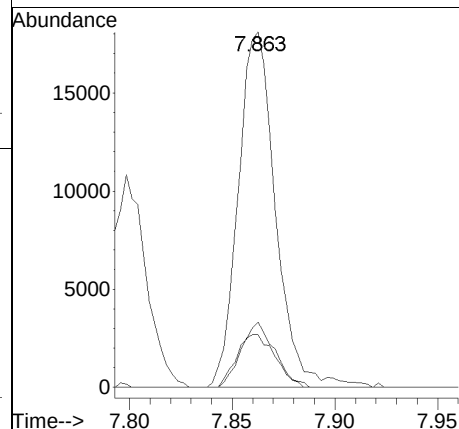
Tgt Ion:	75	Resp:	34755
Ion Ratio	Lower	Upper	
75	100		
77	30.9	12.4	52.4
39	58.4	42.8	82.8

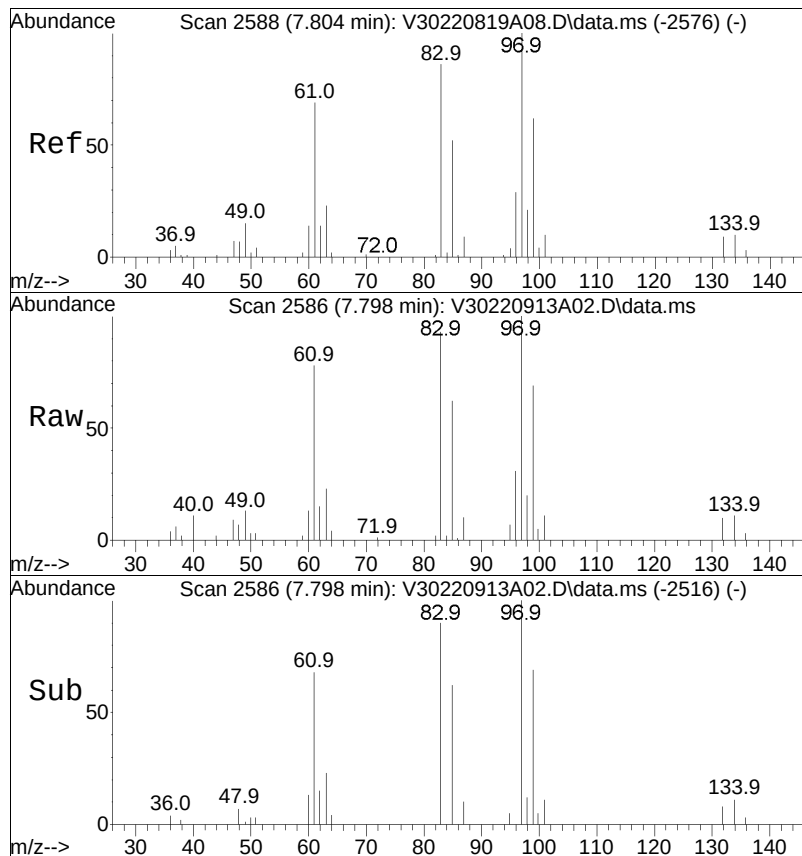




#67
 Ethyl methacrylate
 Concen: 7.58 ug/L
 RT: 7.863 min Scan# 2609
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

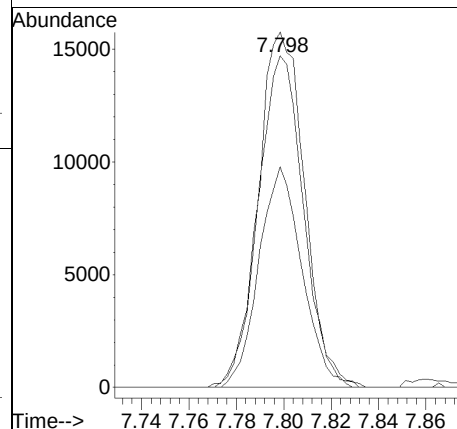
Tgt	Ion:	69	Resp:	22994
Ion	Ratio	Lower	Upper	
69	100			
99	17.1	0.2	40.2	
86	14.7	0.0	35.8	

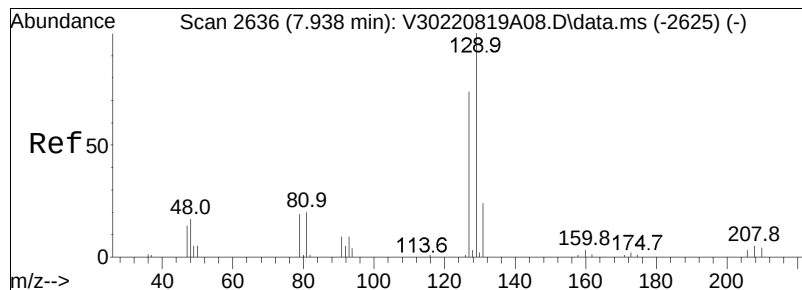




#68
 1,1,2-Trichloroethane
 Concen: 8.78 ug/L
 RT: 7.798 min Scan# 2586
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

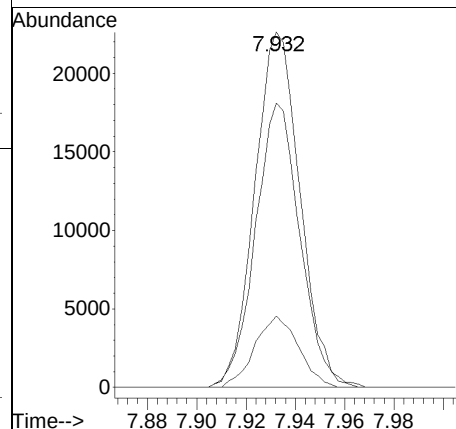
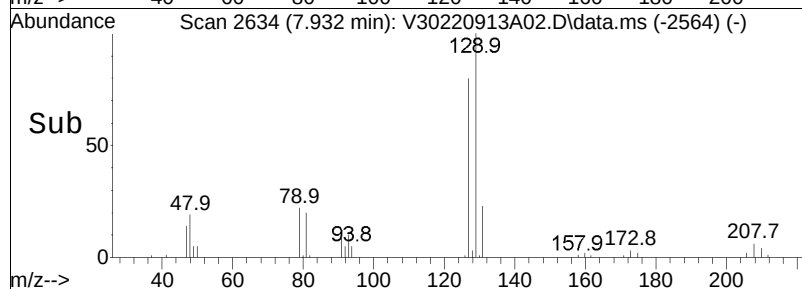
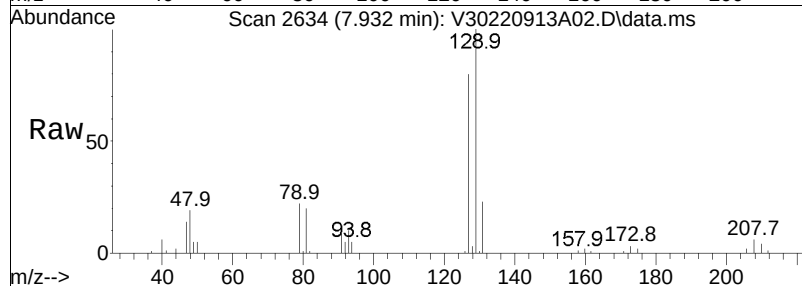
Tgt Ion:	83	Resp:	19488
Ion Ratio	Lower	Upper	
83	100		
97	109.8	89.8	129.8
85	63.4	44.4	84.4

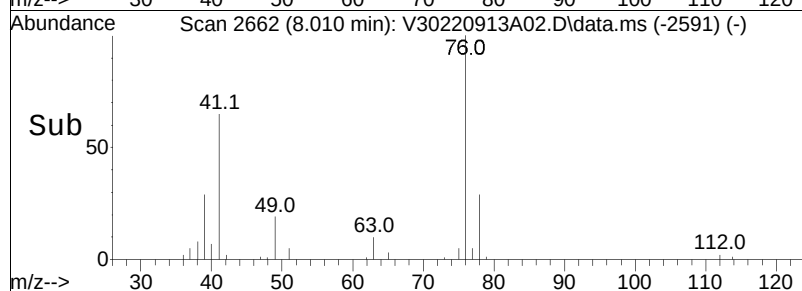
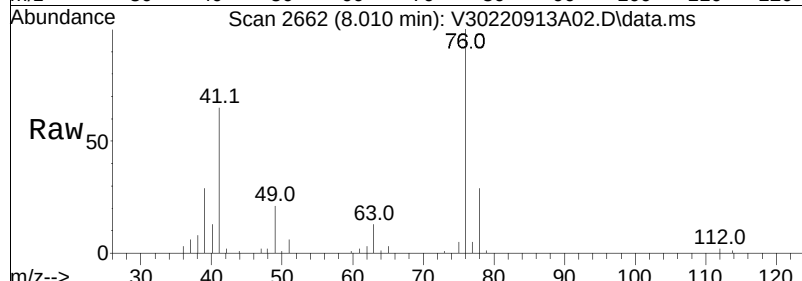
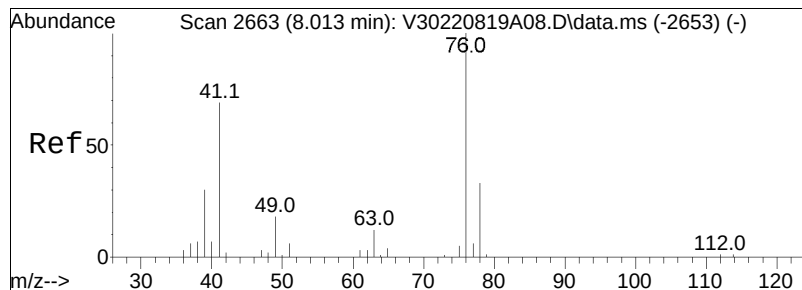




#69
 Chlorodibromomethane
 Concen: 8.82 ug/L
 RT: 7.932 min Scan# 2634
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

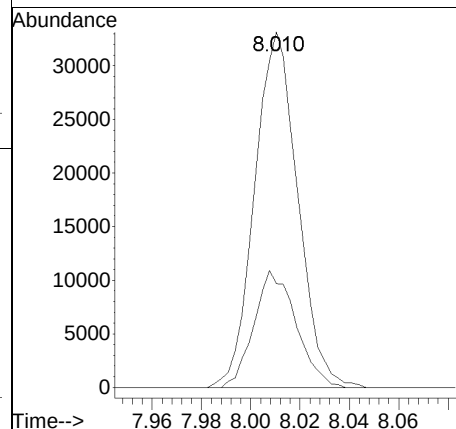
Tgt Ion	Ratio	Resp	Lower	Upper
129	100	28906		
81	19.4		2.9	42.9
127	78.5		57.8	97.8

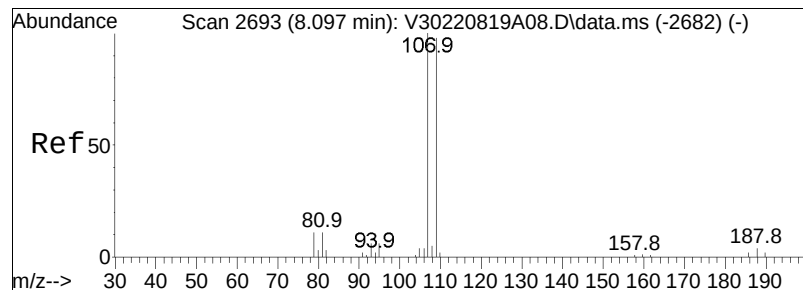




#70
 1,3-Dichloropropane
 Concen: 8.58 ug/L
 RT: 8.010 min Scan# 2662
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

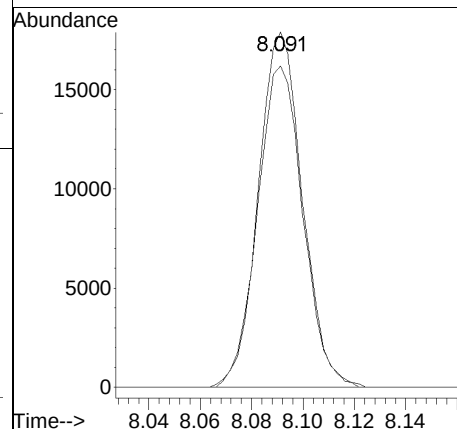
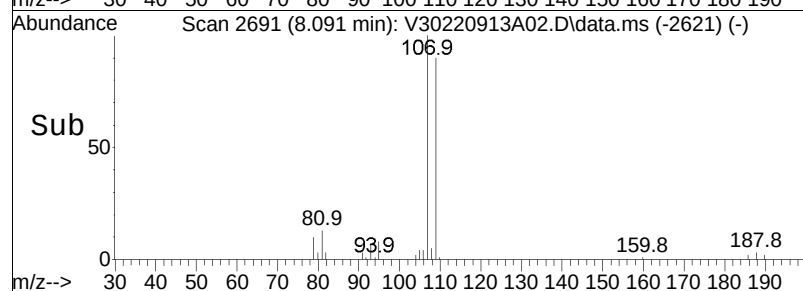
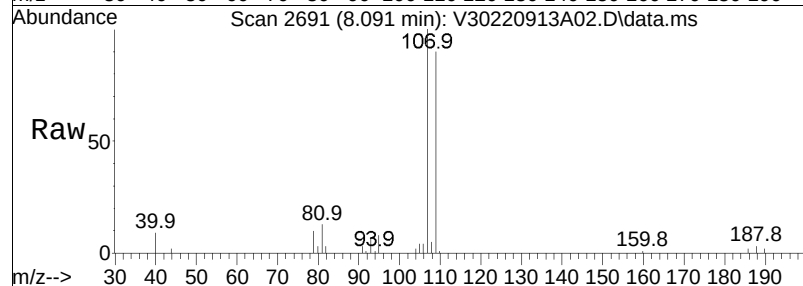
Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

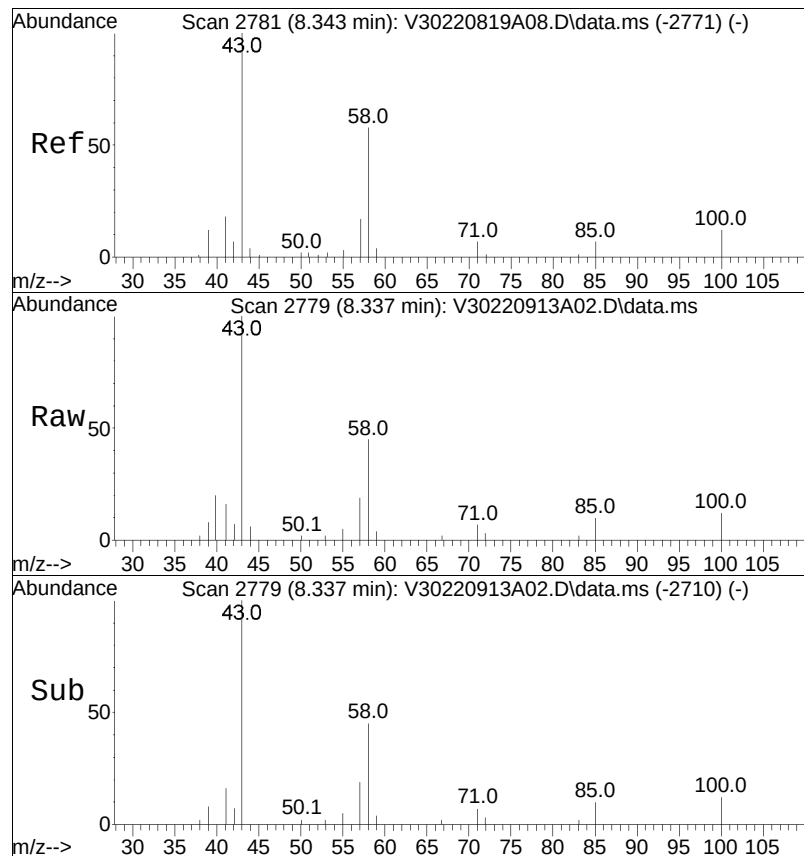




#71
 1,2-Dibromoethane
 Concen: 8.51 ug/L
 RT: 8.091 min Scan# 2691
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

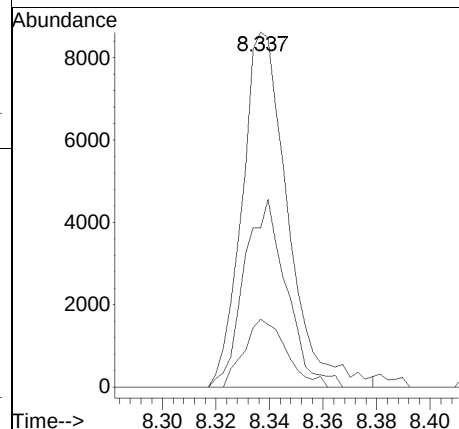
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.3	111.5

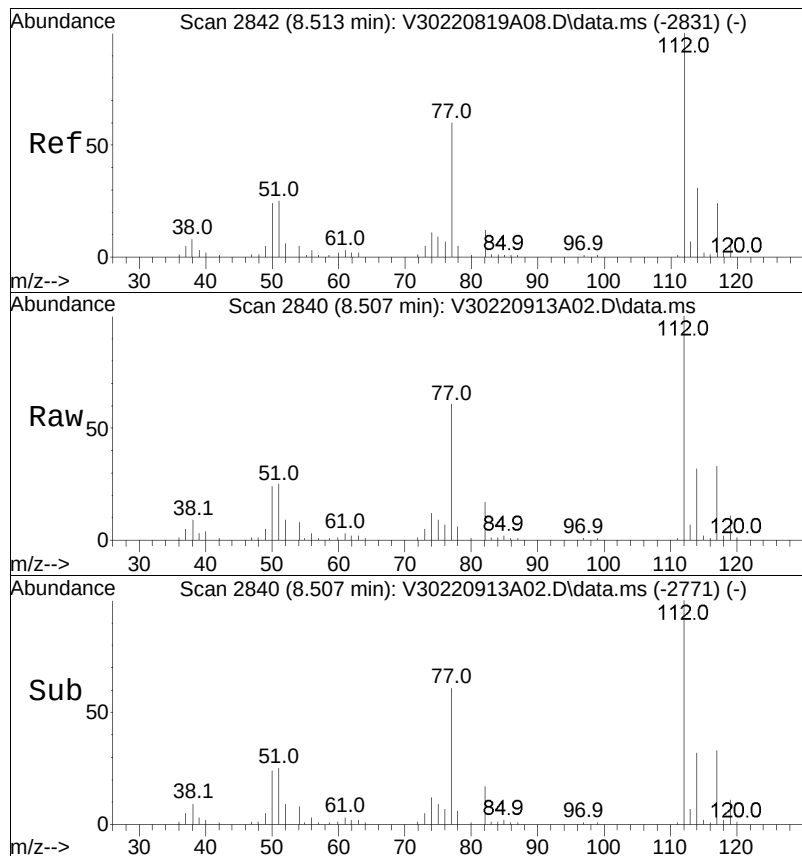




#72
 2-Hexanone
 Concen: 7.26 ug/L
 RT: 8.337 min Scan# 2779
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

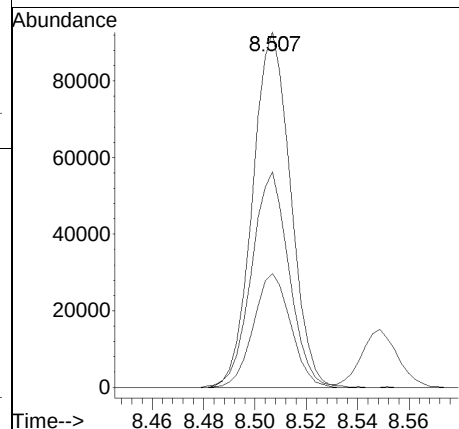
Tgt Ion:	43	Resp:	10266
Ion Ratio	Lower	Upper	
43	100		
58	49.3	41.2	61.8
57	17.9	17.2	25.8

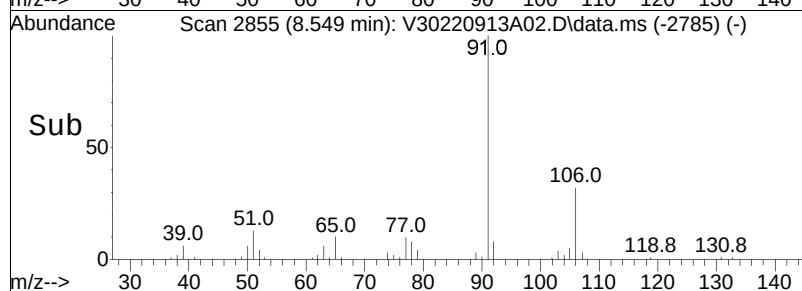
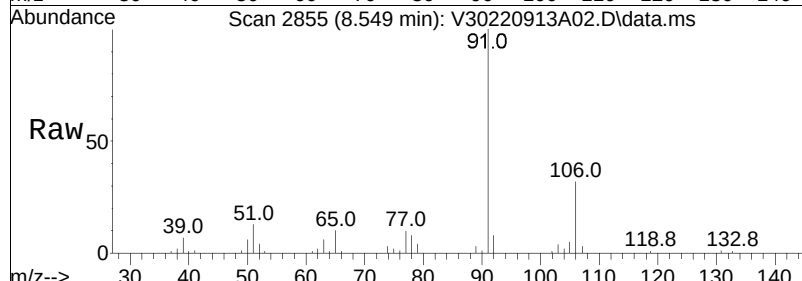
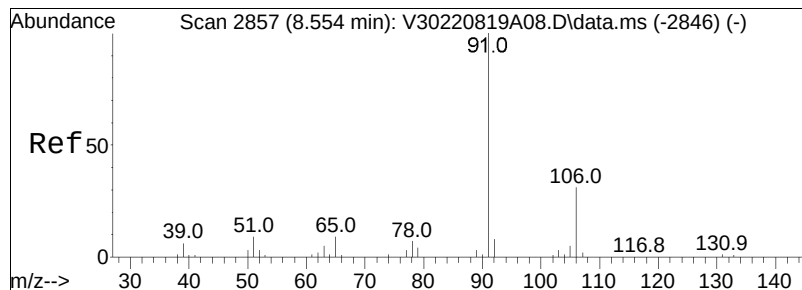




#73
 Chlorobenzene
 Concen: 9.42 ug/L
 RT: 8.507 min Scan# 2840
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

Tgt Ion:	112	Resp:	94962
Ion Ratio	Lower	Upper	
112	100		
77	60.1	55.4	83.0
114	31.6	25.4	38.2





#74

Ethylbenzene

Concen: 9.20 ug/L

RT: 8.549 min Scan# 2855

Delta R.T. -0.005 min

Lab File: V30220913A02.D

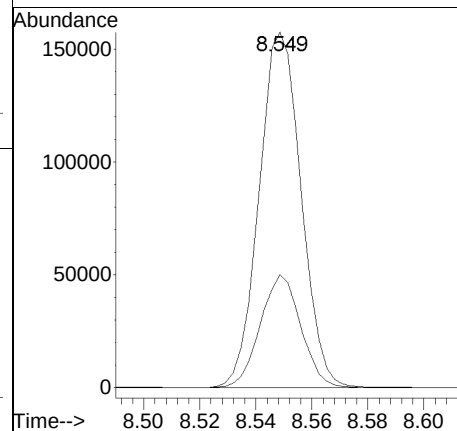
Acq: 13 Sep 2022 07:02 am

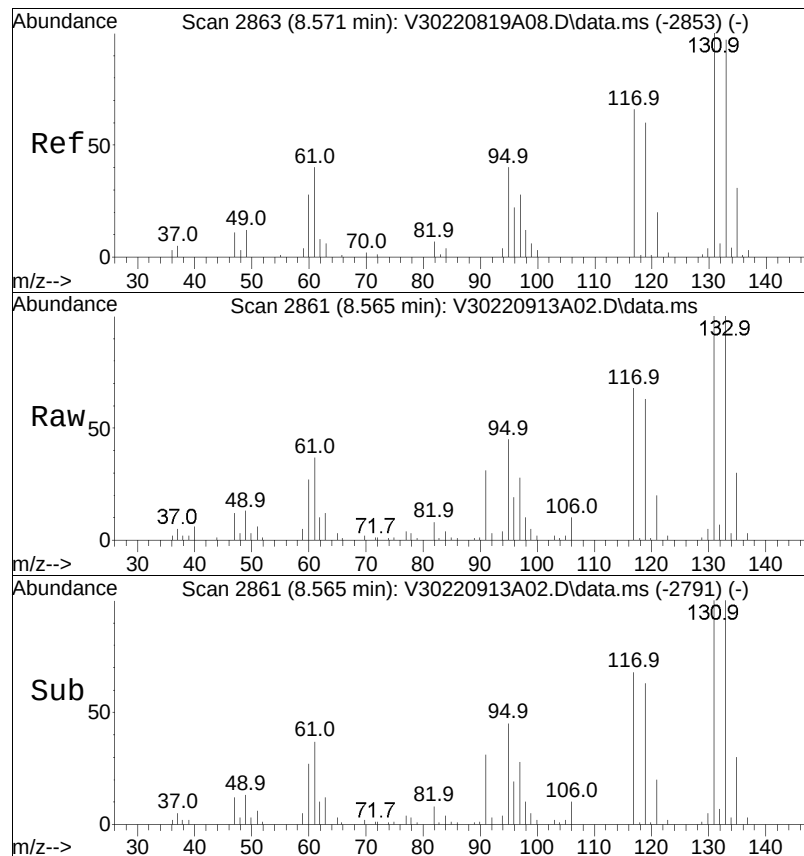
Tgt Ion: 91 Resp: 163641

Ion Ratio Lower Upper

91 100

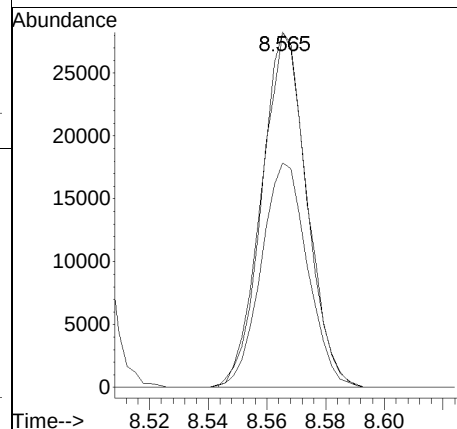
106 30.5 24.3 36.5

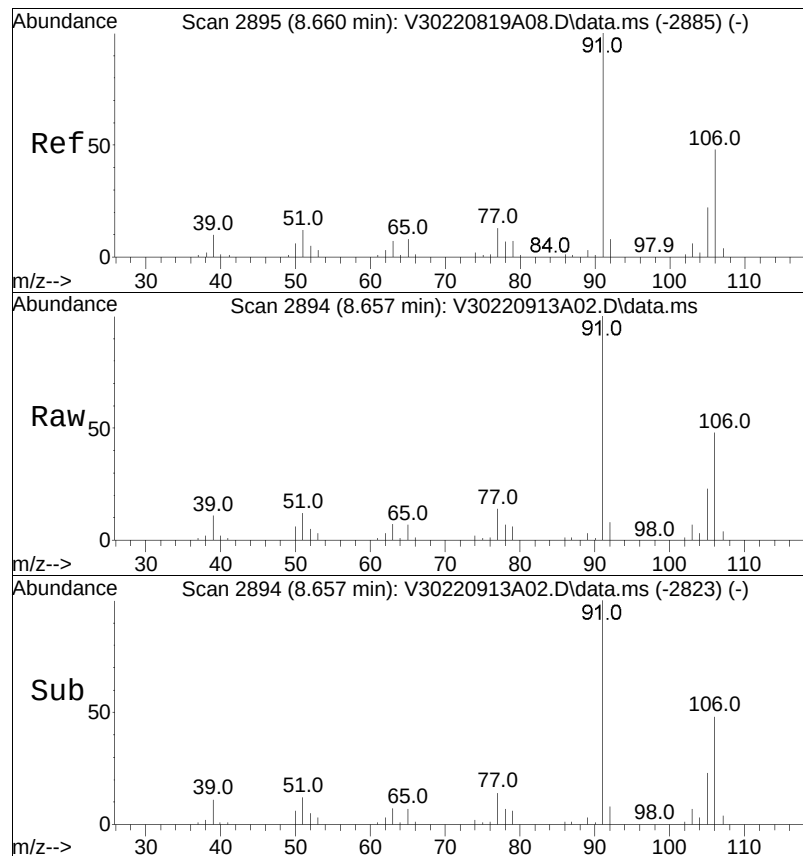




#75
 1,1,1,2-Tetrachloroethane
 Concen: 9.11 ug/L
 RT: 8.565 min Scan# 2861
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

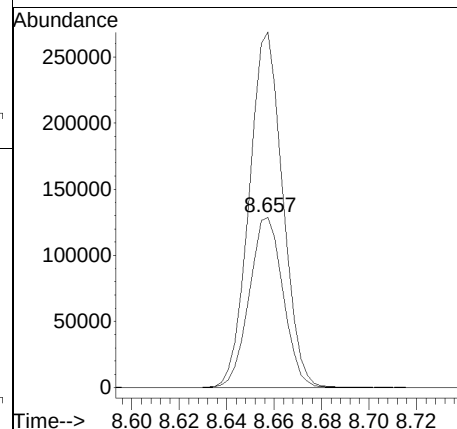
Tgt Ion:	131	Resp:	30691
Ion Ratio	Lower	Upper	
131	100		
133	96.7	81.0	121.0
119	63.9	41.3	81.3

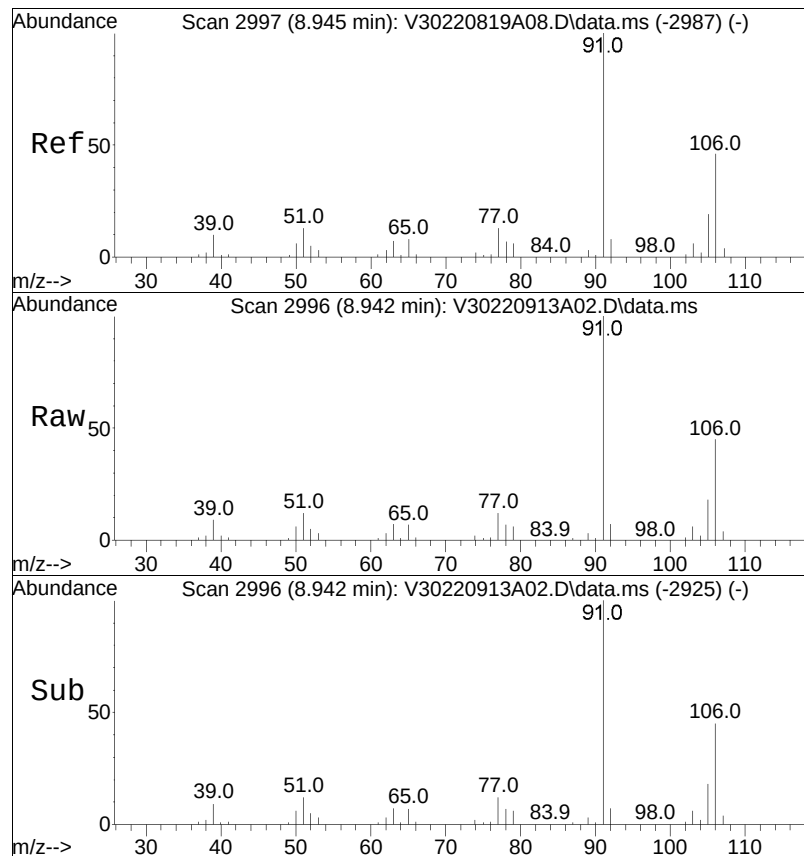




#76
 p/m Xylene
 Concen: 19.32 ug/L
 RT: 8.657 min Scan# 2894
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

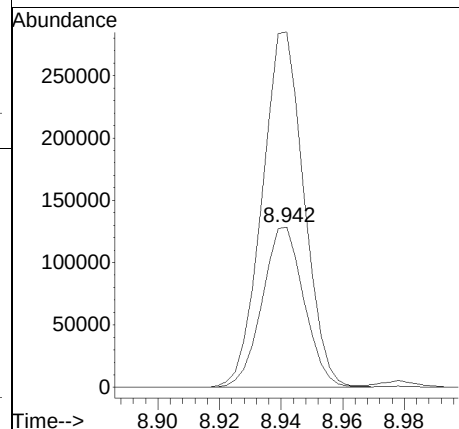
Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.6	166.4	249.6

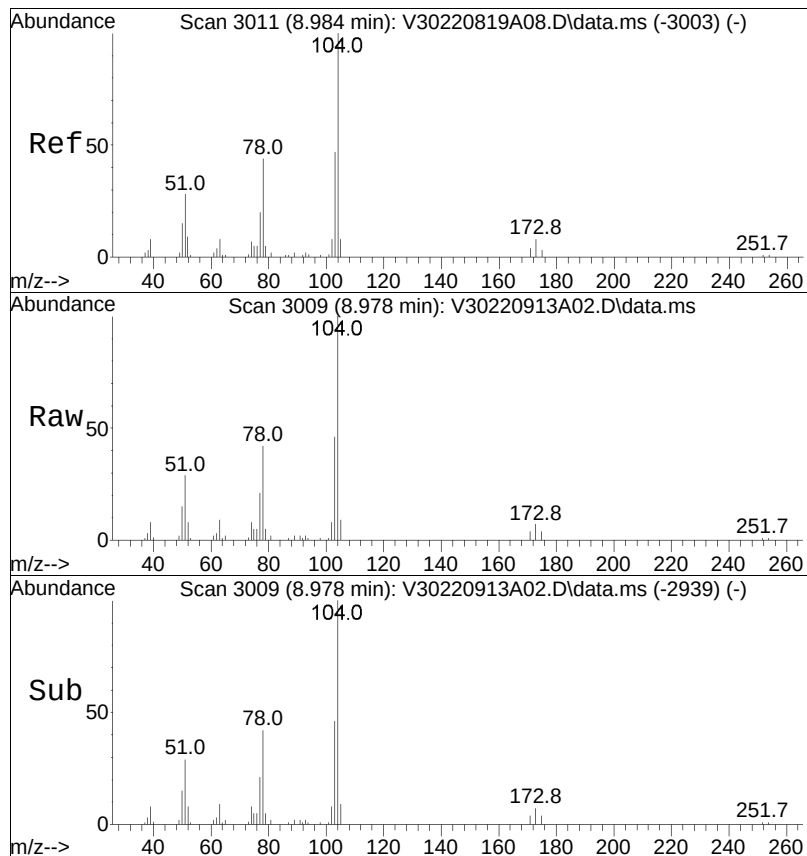




#77
 o Xylene
 Concen: 18.81 ug/L
 RT: 8.942 min Scan# 2996
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

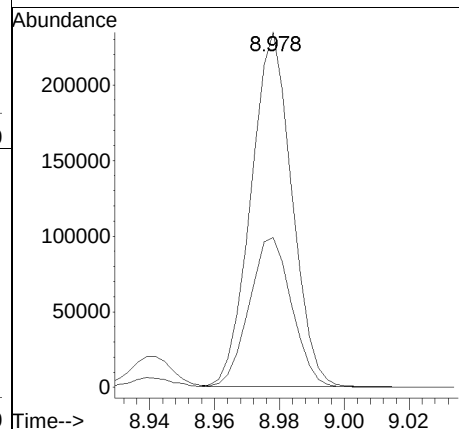
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	221.8	182.6	273.8	

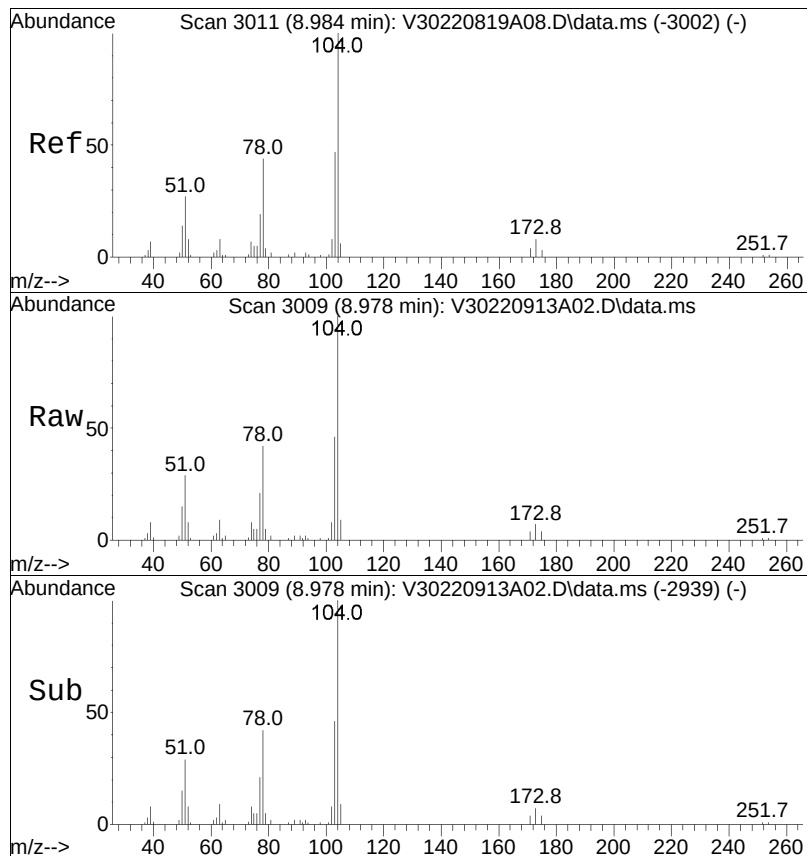




#78
 Styrene
 Concen: 19.72 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

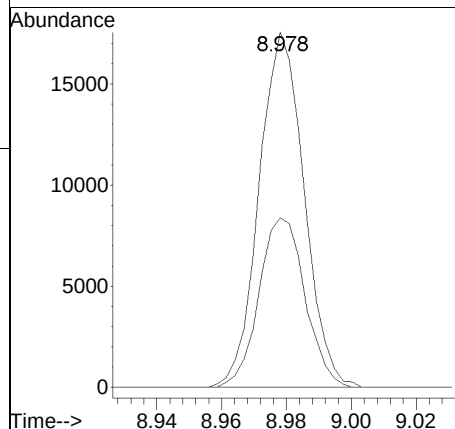
Tgt	Ion	Ratio	Lower	Upper
104	100			
78	44.0	39.8	59.6	

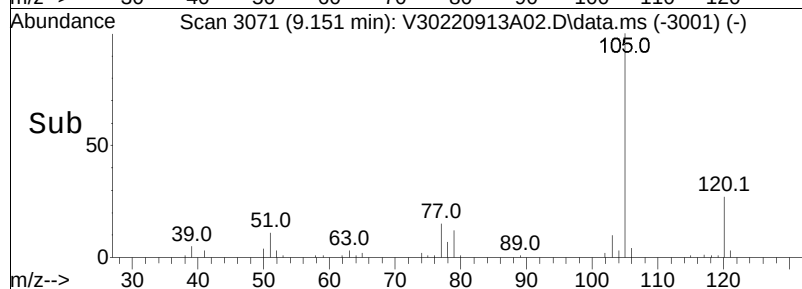
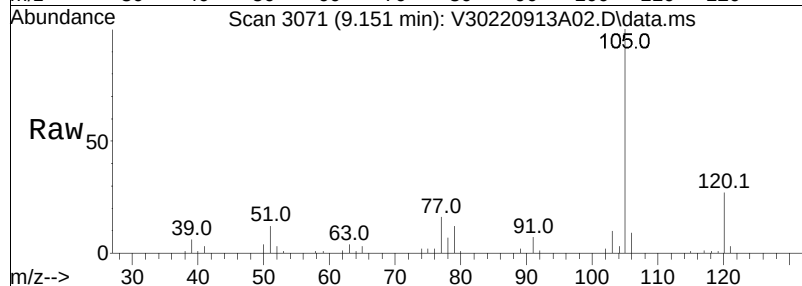
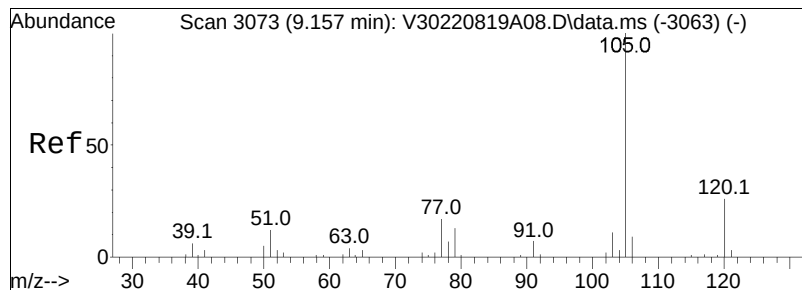




#80
 Bromoform
 Concen: 8.66 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

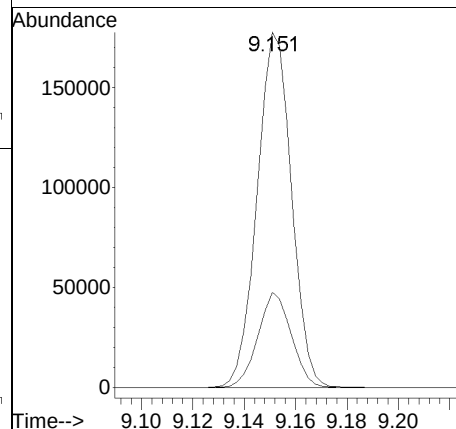
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	31.5	71.5

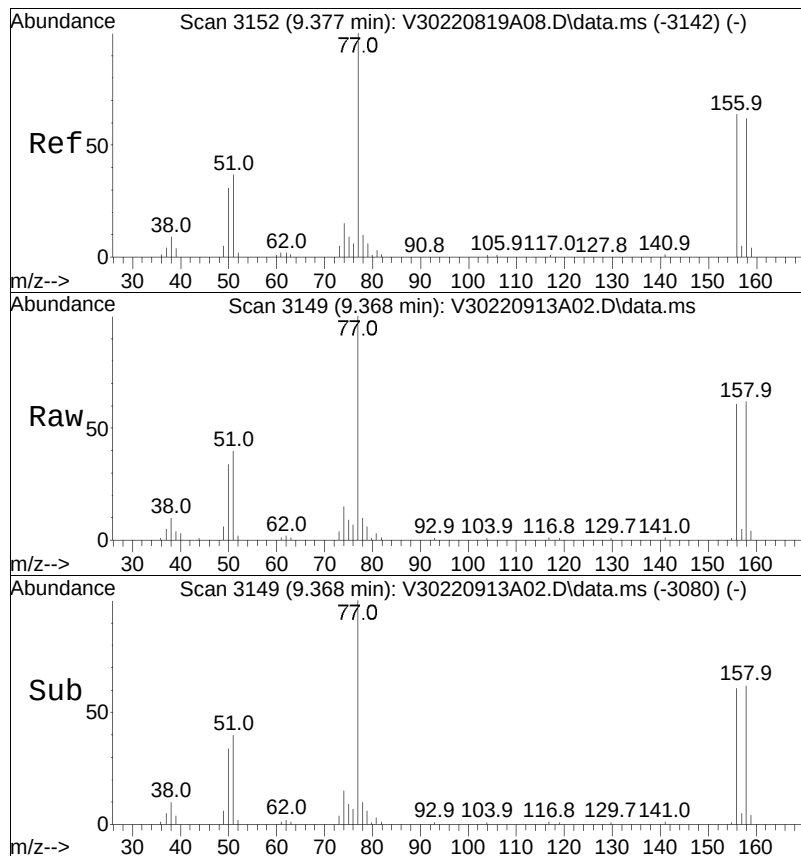




#82
Isopropylbenzene
Concen: 9.21 ug/L
RT: 9.151 min Scan# 3071
Delta R.T. -0.006 min
Lab File: V30220913A02.D
Acq: 13 Sep 2022 07:02 am

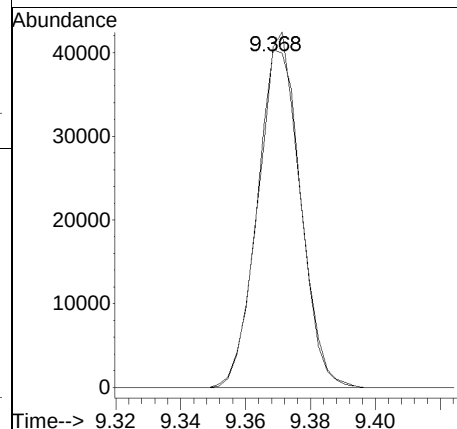
Tgt Ion	105	120	Ratio	100	25.9	Resp	164873	Lower	4.8	Upper	44.8
105	100										
120		25.9									

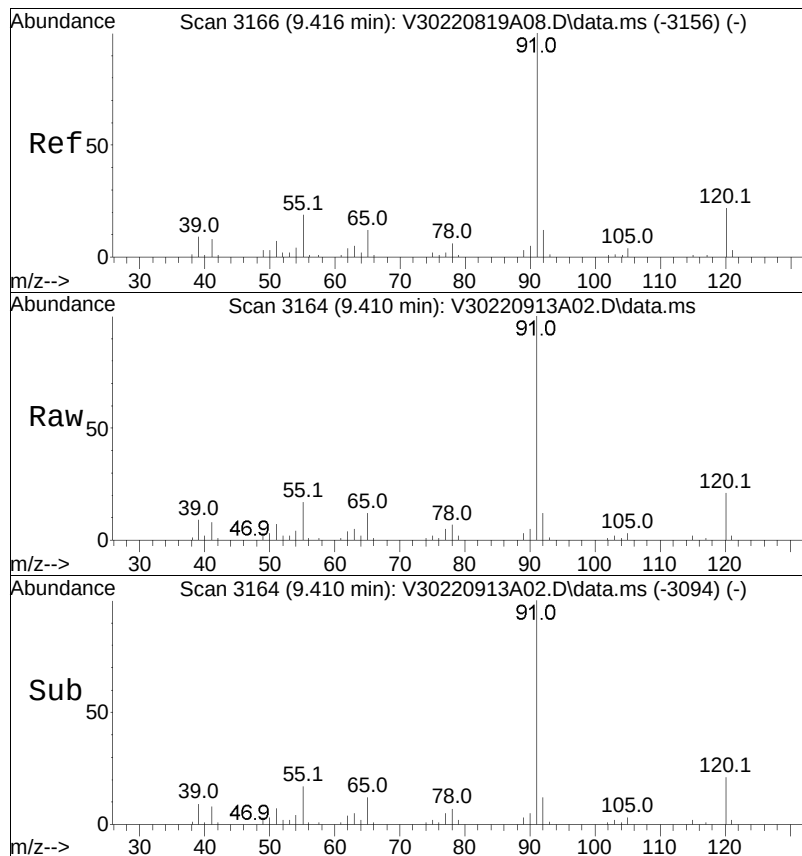




#84
 Bromobenzene
 Concen: 8.55 ug/L
 RT: 9.368 min Scan# 3149
 Delta R.T. -0.009 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

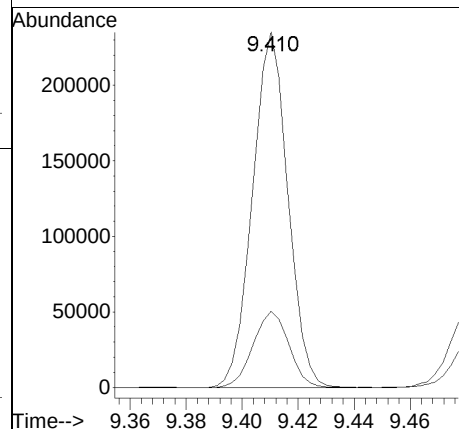
Tgt Ion:	156	Resp:	37957
Ion Ratio	Lower	Upper	
156	100		
158	99.0	75.9	113.9

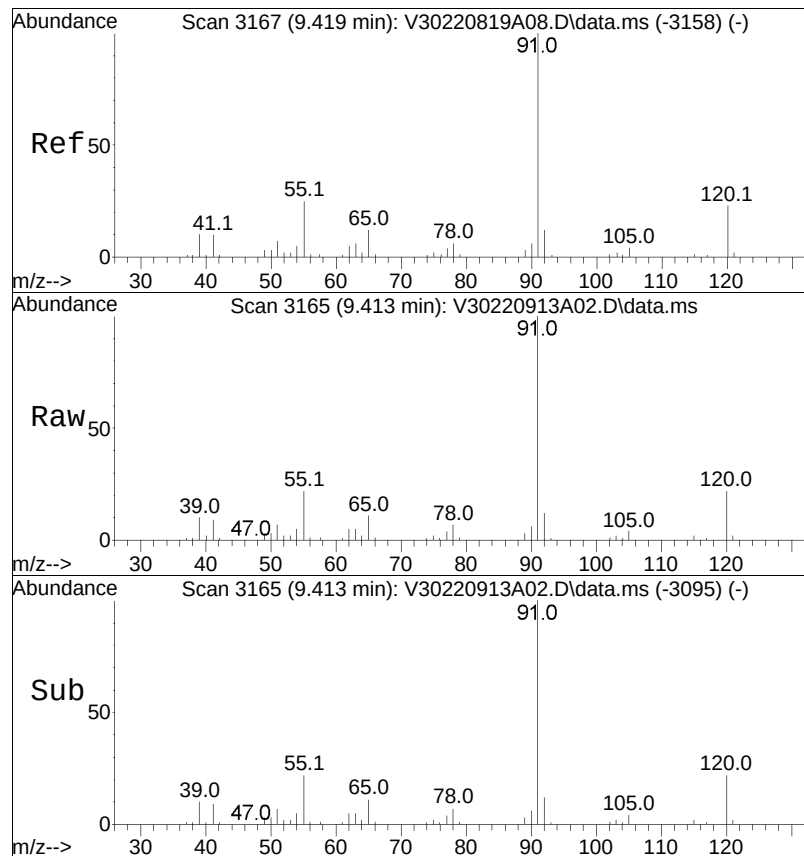




#85
 n-Propylbenzene
 Concen: 9.54 ug/L
 RT: 9.410 min Scan# 3164
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

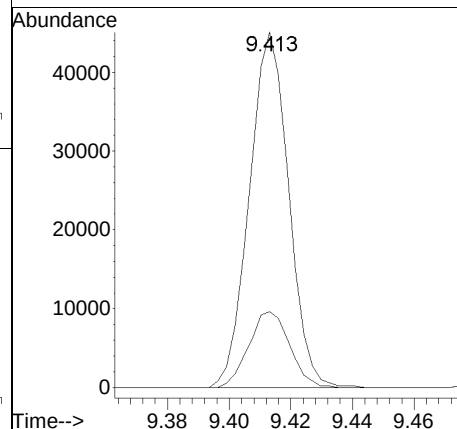
Tgt	Ion	Resp	Lower	Upper
91	100	205982		
120	21.6	17.0	25.6	

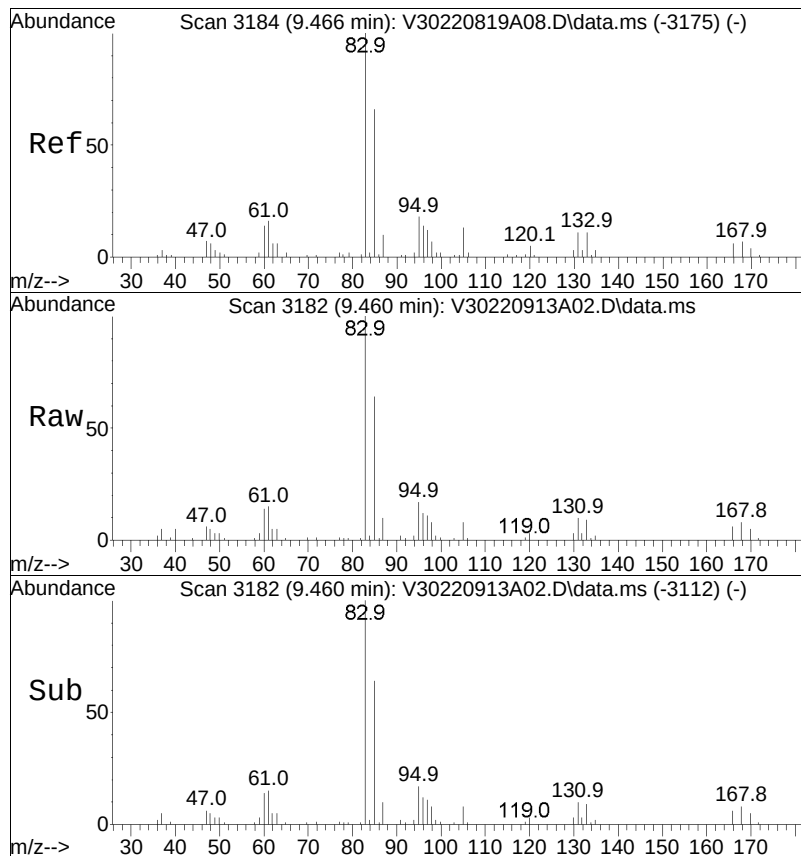




#86
 1,4-Dichlorobutane
 Concen: 8.00 ug/L
 RT: 9.413 min Scan# 3165
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

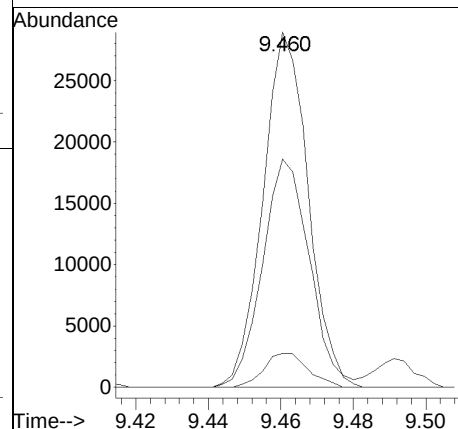
Tgt Ion	Ratio	Lower	Upper
55	100		
54	22.1	19.4	29.0

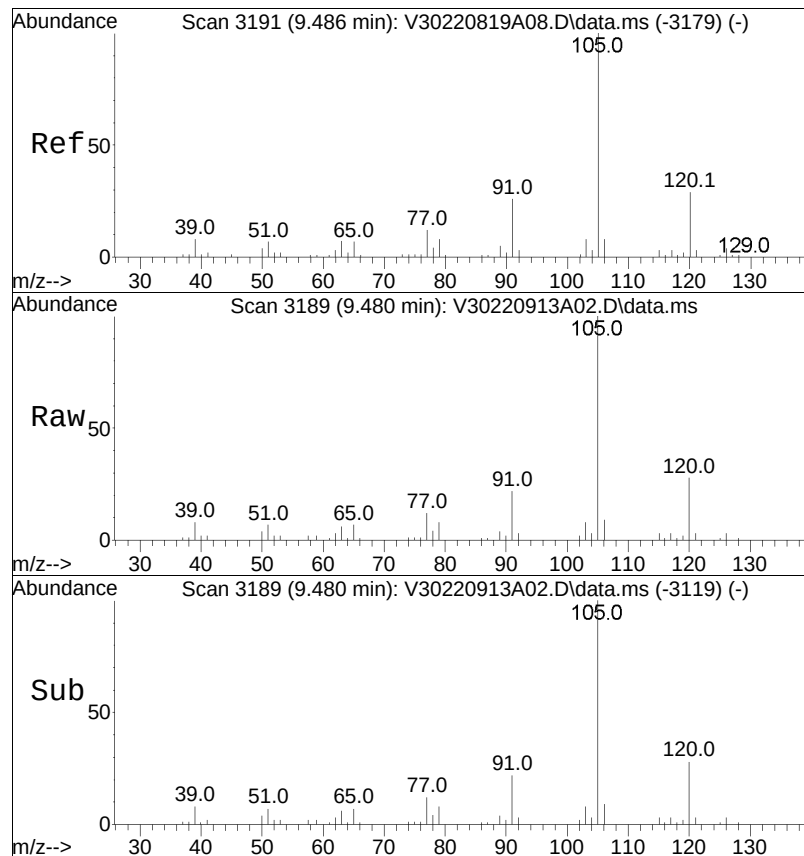




#87
 1,1,2,2-Tetrachloroethane
 Concen: 7.74 ug/L
 RT: 9.460 min Scan# 3182
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

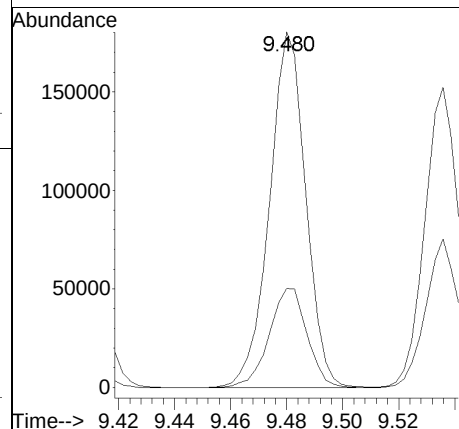
Tgt Ion:	83	Resp:	25088
Ion Ratio	Lower	Upper	
83	100		
131	9.5	0.0	30.4
85	66.8	45.4	85.4

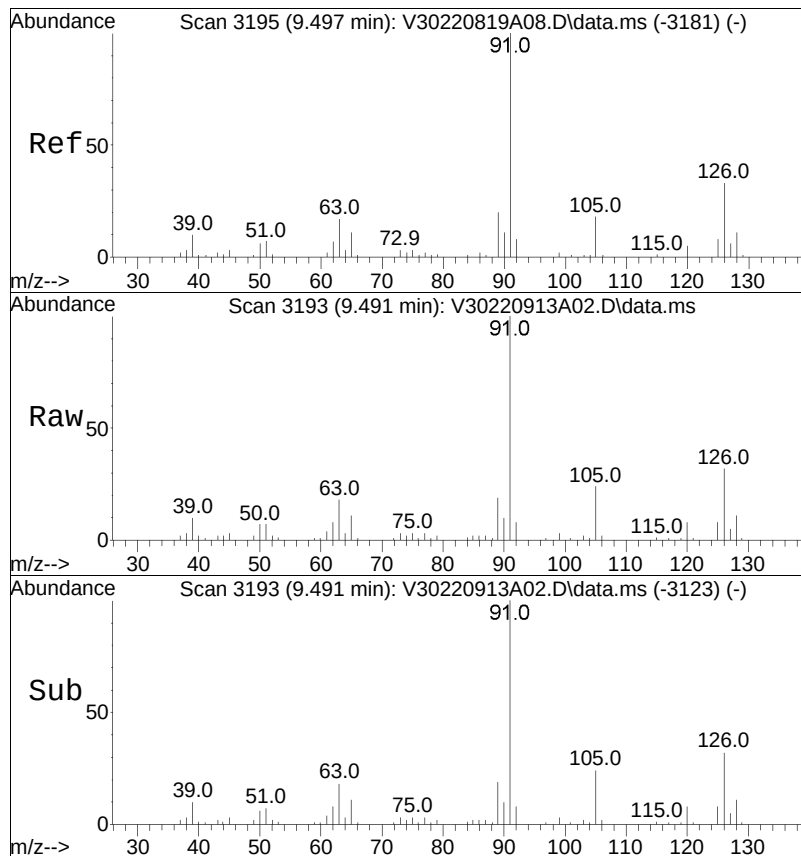




#88
 4-Ethyltoluene
 Concen: 9.17 ug/L
 RT: 9.480 min Scan# 3189
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

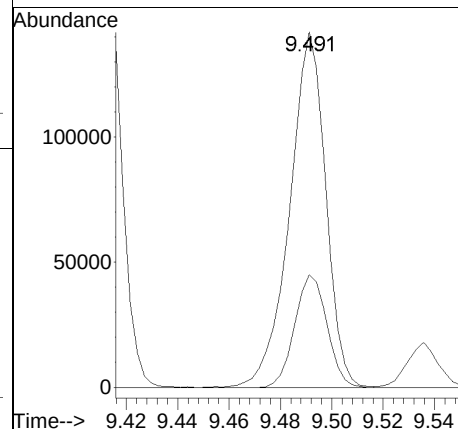
Tgt	Ion	Ratio	Lower	Upper
105	105	100		
120	120	29.1	18.1	37.7

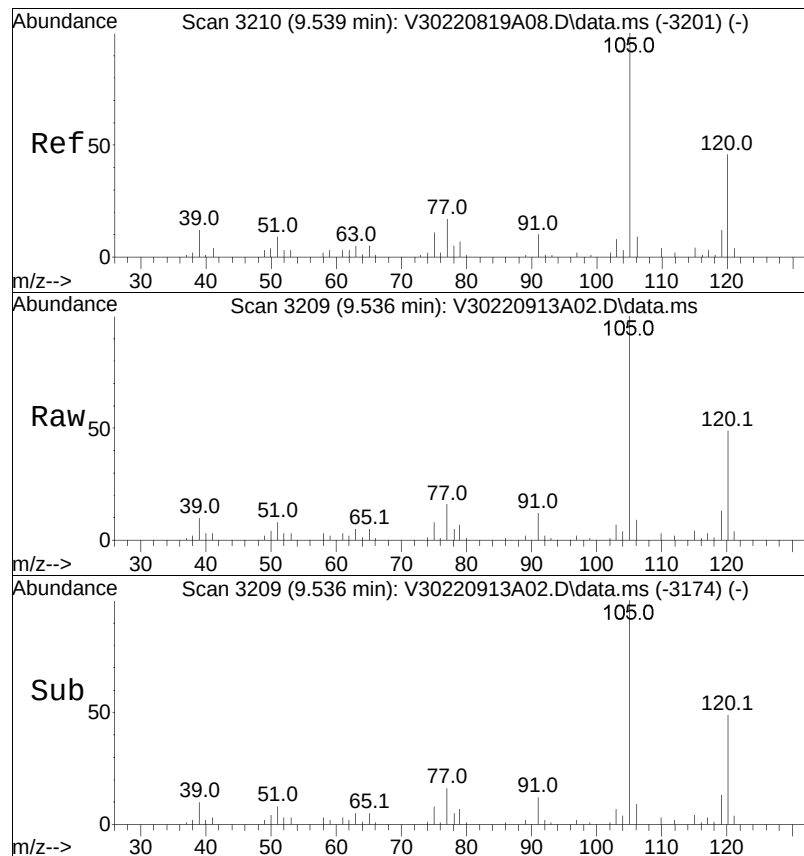




#89
 2-Chlorotoluene
 Concen: 9.18 ug/L
 RT: 9.491 min Scan# 3193
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

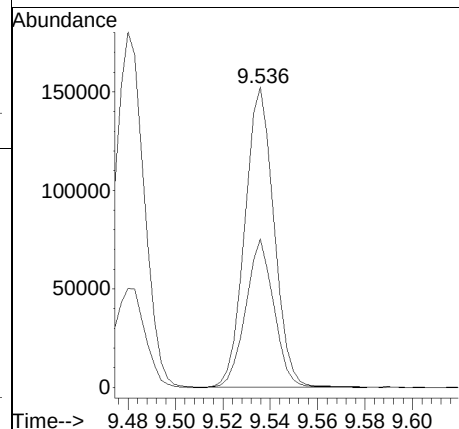
Tgt Ion:	91	Resp:	138488
Ion Ratio	Lower	Upper	
91	100		
126	28.3	21.5	32.3

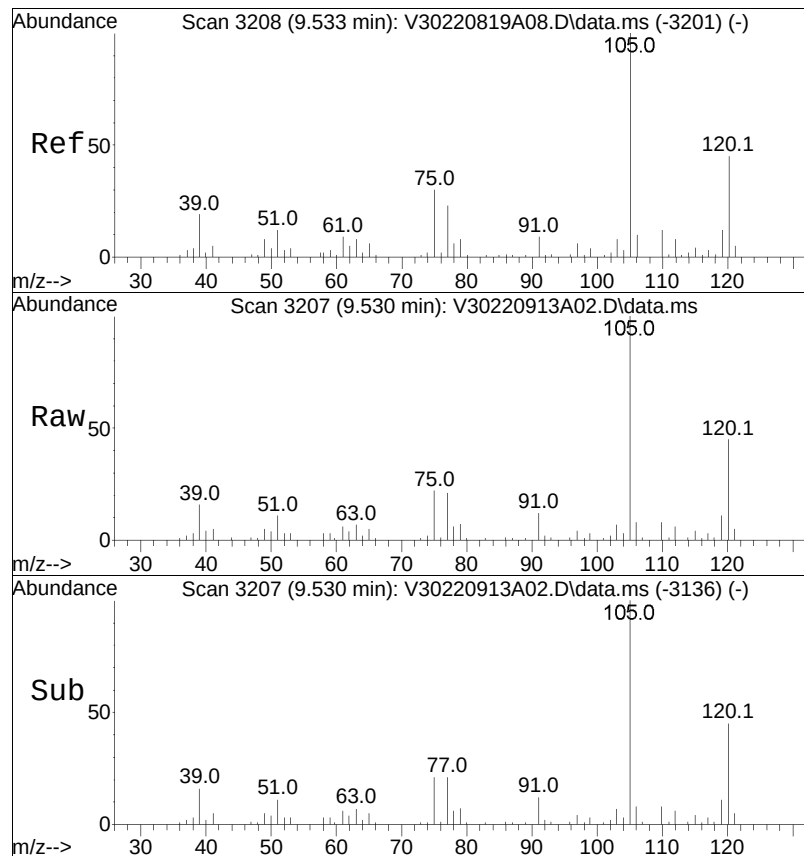




#90
 1,3,5-Trimethylbenzene
 Concen: 8.52 ug/L
 RT: 9.536 min Scan# 3209
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

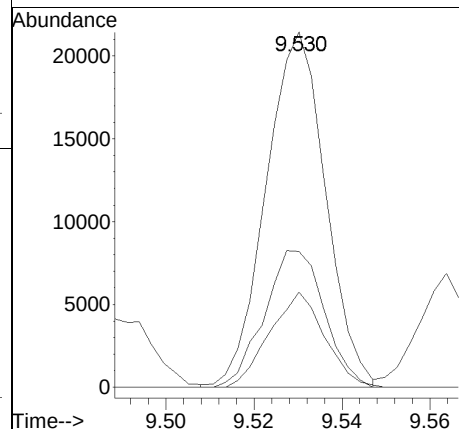
Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	34.8	52.2

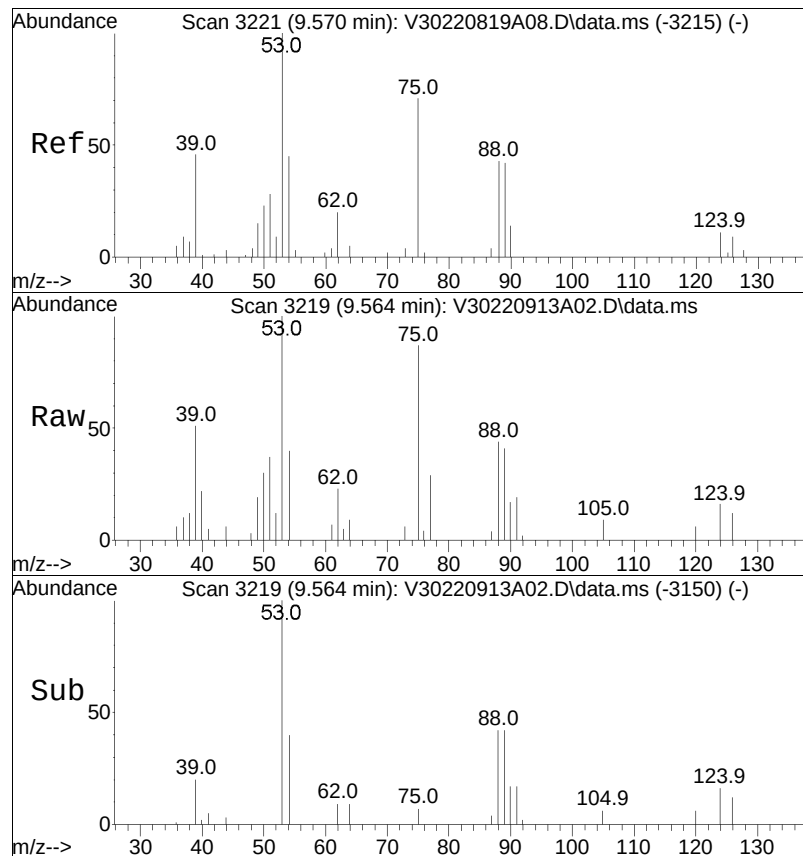




#91
 1,2,3-Trichloropropane
 Concen: 7.73 ug/L
 RT: 9.530 min Scan# 3207
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

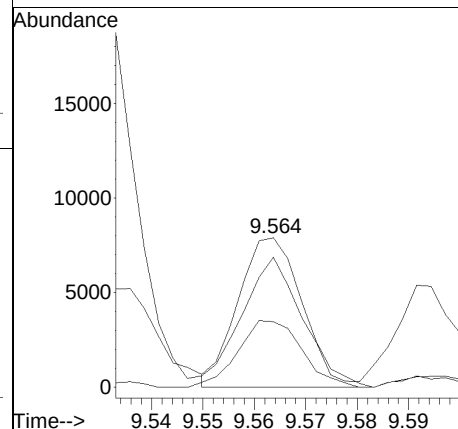
Tgt Ion:	75	Resp:	20135
Ion Ratio	Lower	Upper	
75	100		
110	38.8	25.4	52.8
112	24.7	15.6	32.4

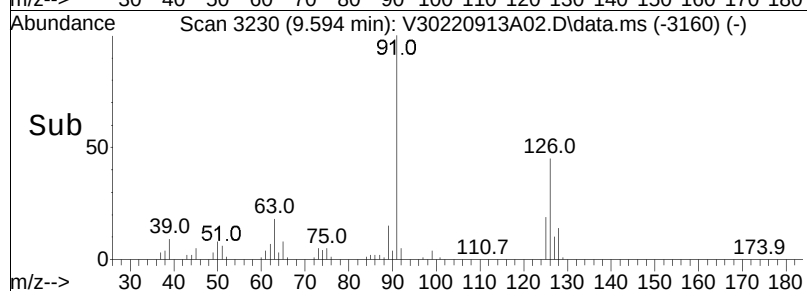
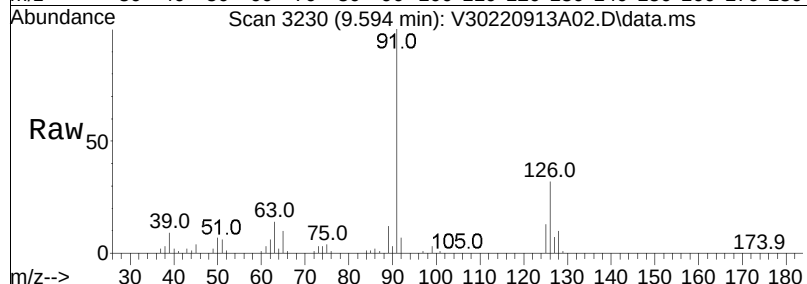
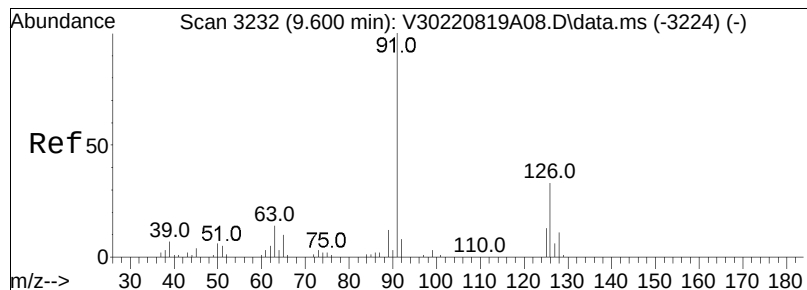




#92
 trans-1,4-Dichloro-2-butene
 Concen: 7.66 ug/L
 RT: 9.564 min Scan# 3219
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

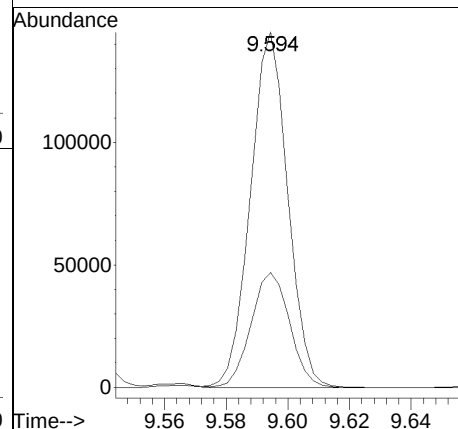
Tgt	Ion: 53	Resp:	6948
Ion	Ratio	Lower	Upper
53	100		
88	44.1	39.6	59.4
75	81.9	70.2	105.4

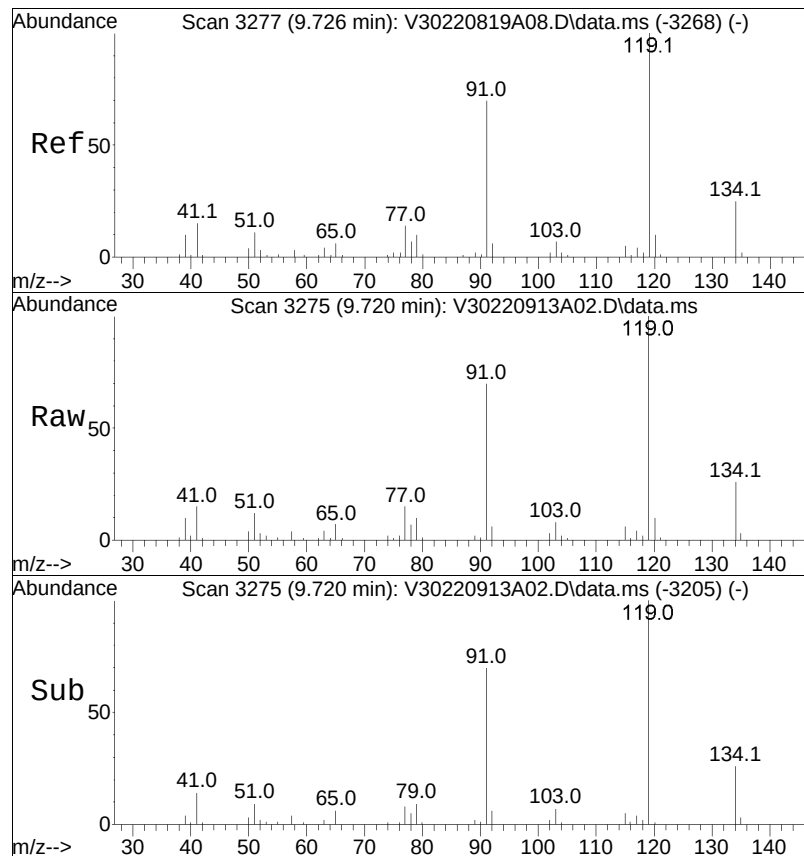




#93
 4-Chlorotoluene
 Concen: 9.01 ug/L
 RT: 9.594 min Scan# 3230
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

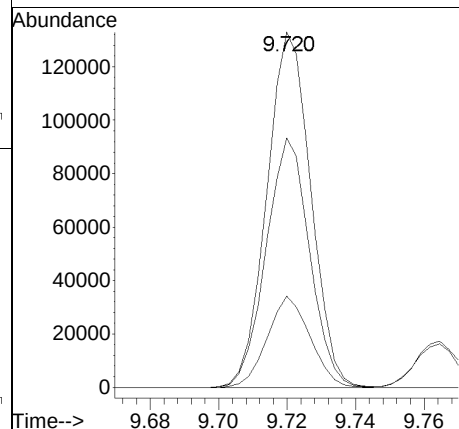
Tgt Ion:	91	Resp:	121927
Ion Ratio	Lower	Upper	
91	100		
126	33.4	24.6	36.8

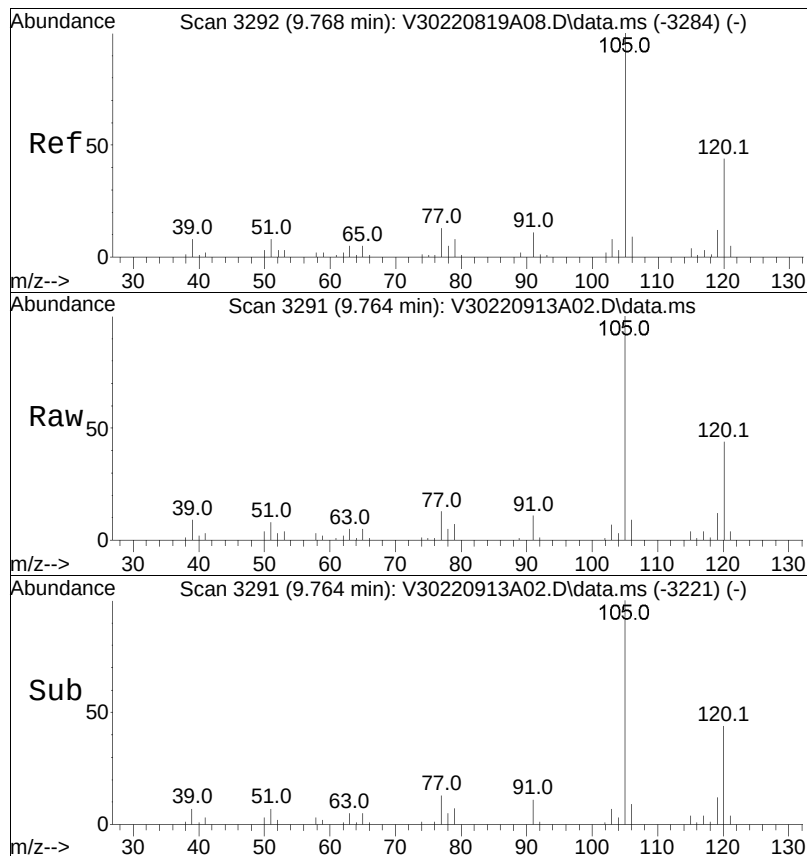




#94
 tert-Butylbenzene
 Concen: 9.00 ug/L
 RT: 9.720 min Scan# 3275
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

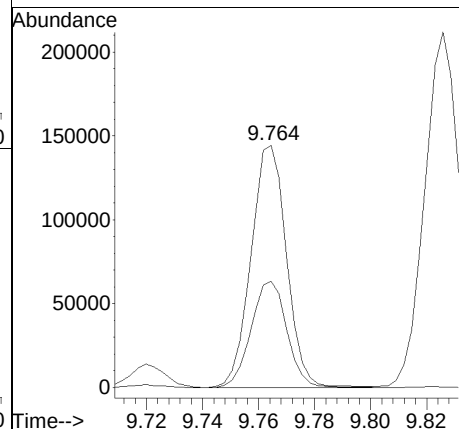
Tgt	Ion:119	Resp:	118586
Ion	Ratio	Lower	Upper
119	100		
91	69.5	51.4	77.2
134	25.0	18.3	27.5

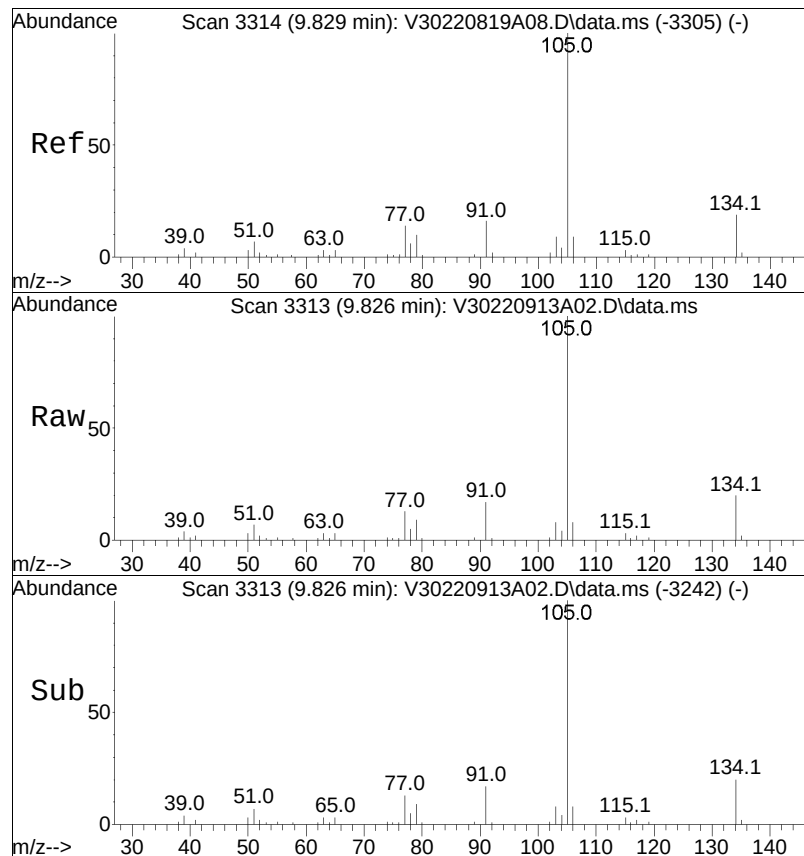




#97
 1,2,4-Trimethylbenzene
 Concen: 8.45 ug/L
 RT: 9.764 min Scan# 3291
 Delta R.T. -0.004 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

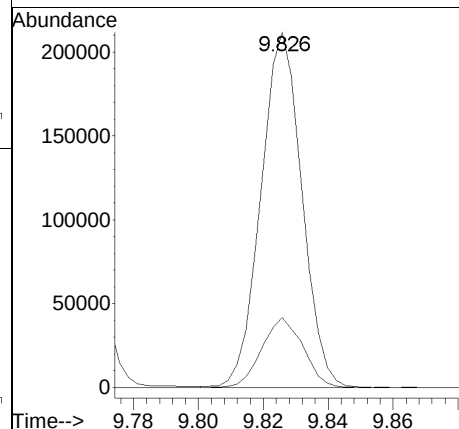
Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	44.1		33.4	50.0	

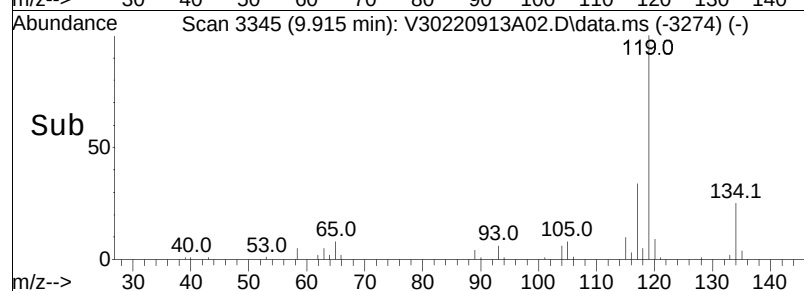
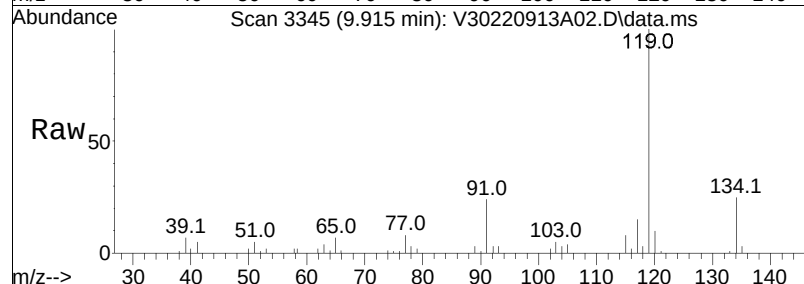
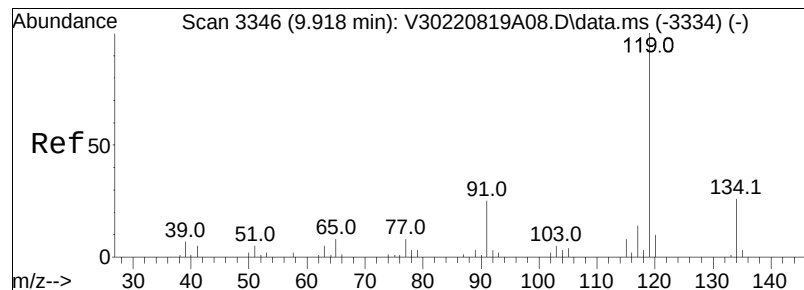




#98
 sec-Butylbenzene
 Concen: 9.41 ug/L
 RT: 9.826 min Scan# 3313
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

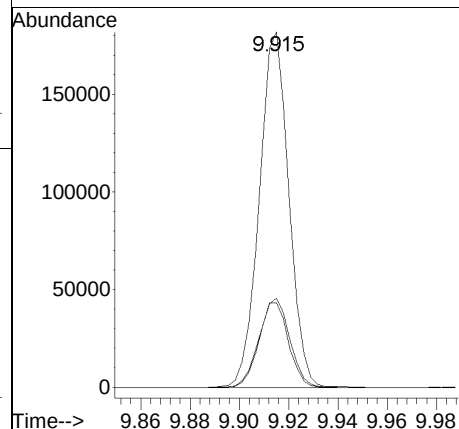
Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	12.5	26.1

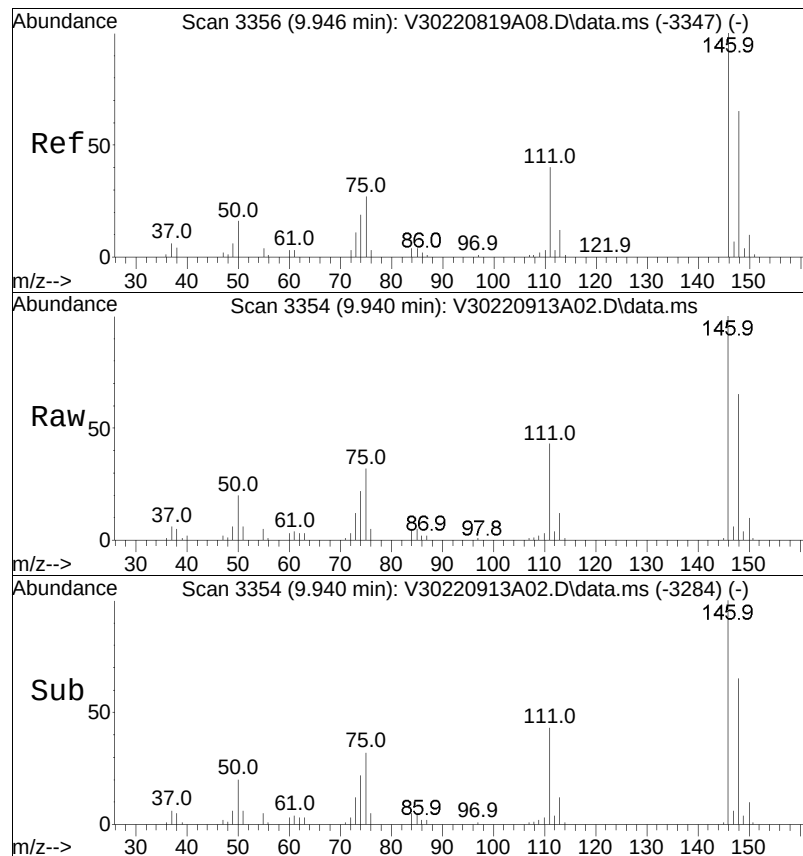




#99
 p-Isopropyltoluene
 Concen: 8.96 ug/L
 RT: 9.915 min Scan# 3345
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

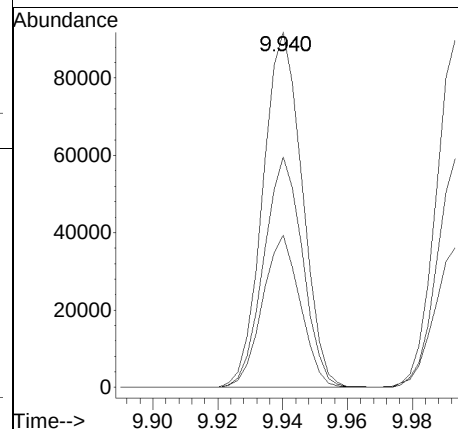
Tgt	Ion:119	Resp:	151272
Ion	Ratio	Lower	Upper
119	100		
134	25.5	16.1	33.3
91	24.4	17.3	35.9

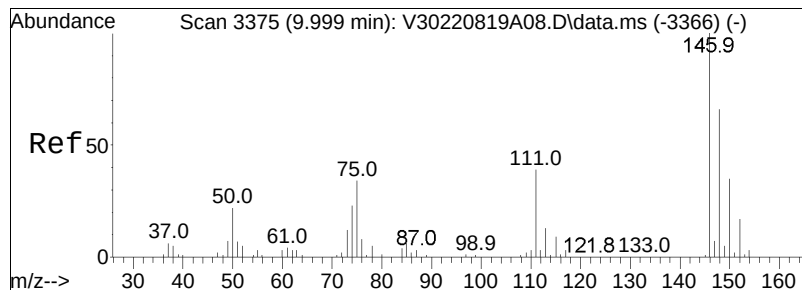




#100
 1,3-Dichlorobenzene
 Concen: 9.11 ug/L
 RT: 9.940 min Scan# 3354
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

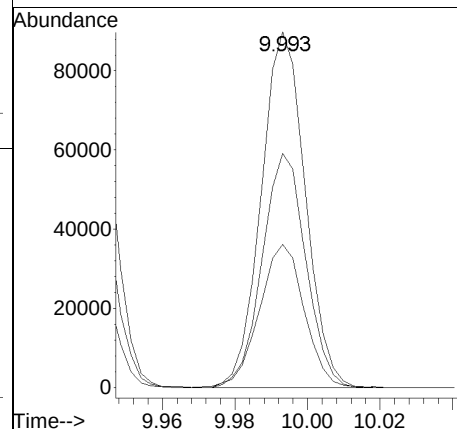
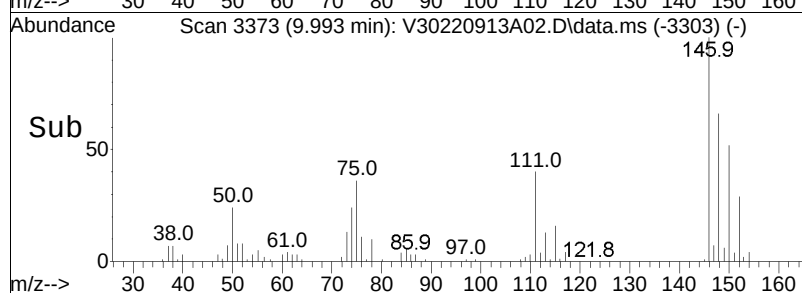
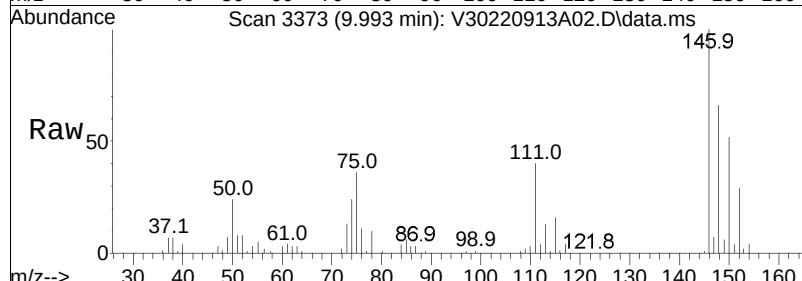
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	27.5	57.1
148	63.8	41.9	86.9

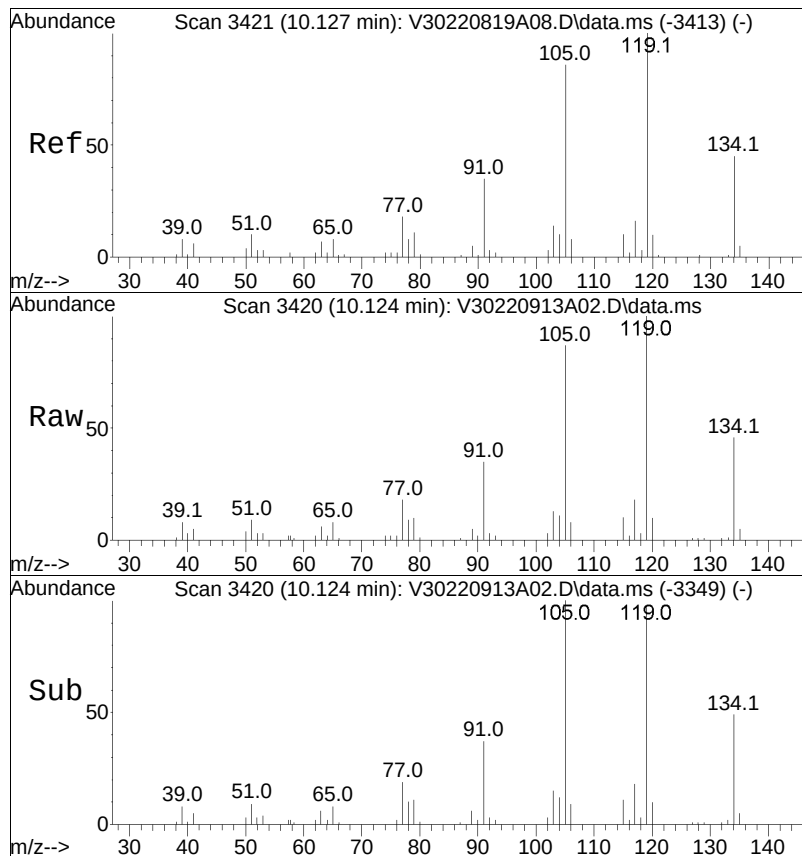




#101
 1,4-Dichlorobenzene
 Concen: 8.84 ug/L
 RT: 9.993 min Scan# 3373
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

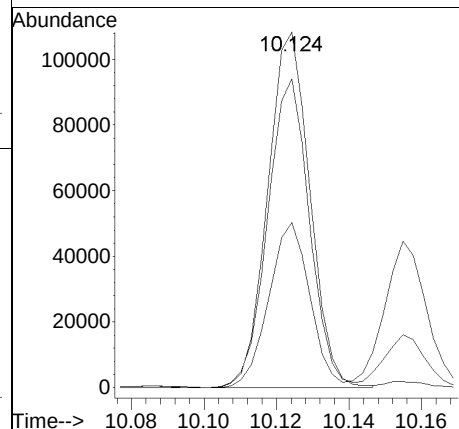
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.3	48.5
148	65.2	49.9	74.9

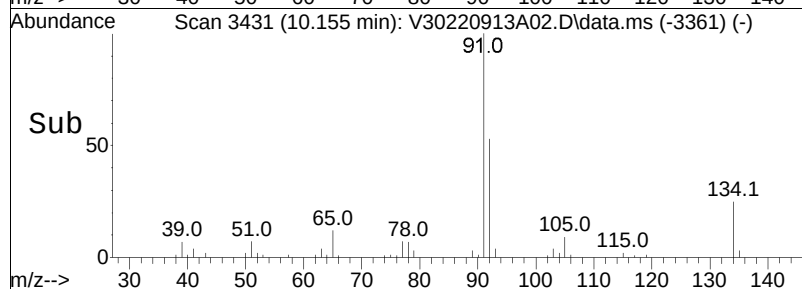
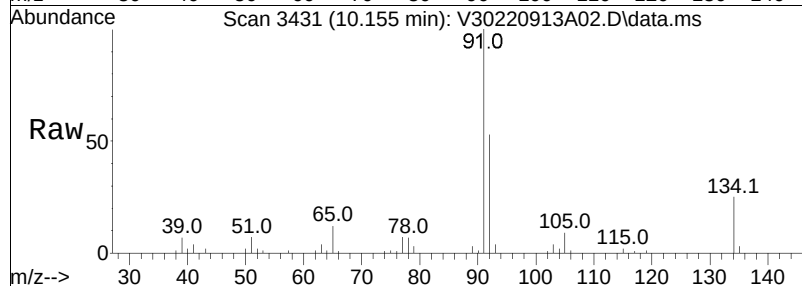
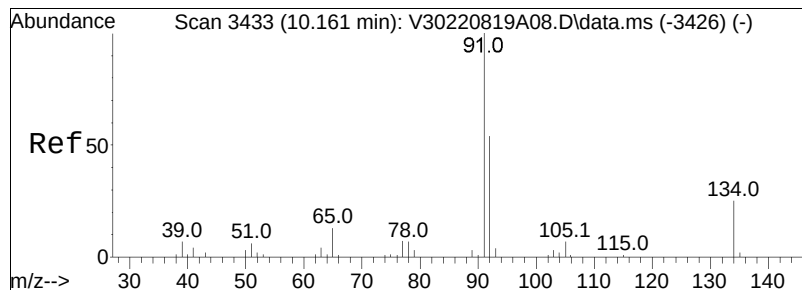




#102
 p-Diethylbenzene
 Concen: 8.54 ug/L
 RT: 10.124 min Scan# 3420
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

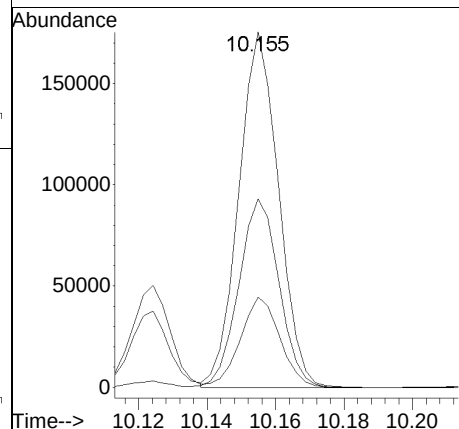
Tgt	Ion:119	Resp:	87317
Ion	Ratio	Lower	Upper
119	100		
105	86.3	59.5	123.7
134	45.1	30.2	62.6

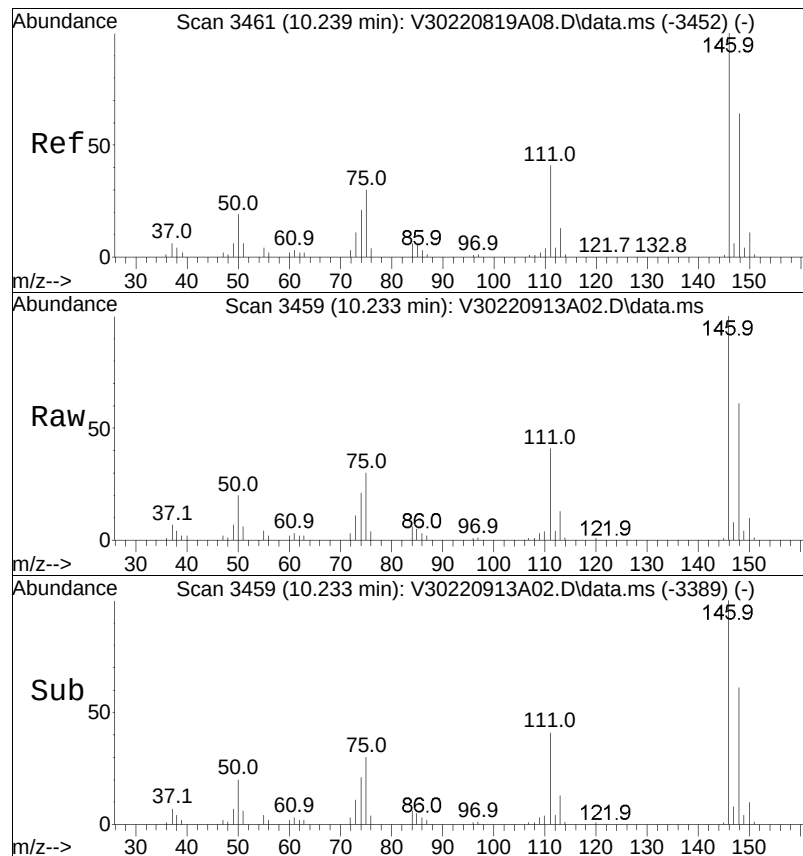




#103
 n-Butylbenzene
 Concen: 9.01 ug/L
 RT: 10.155 min Scan# 3431
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

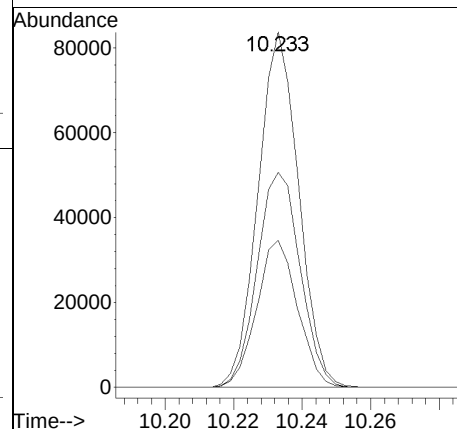
Tgt Ion:	91	Resp:	141267
Ion Ratio	Lower	Upper	
91	100		
92	53.8	43.0	64.4
134	25.4	19.6	29.4

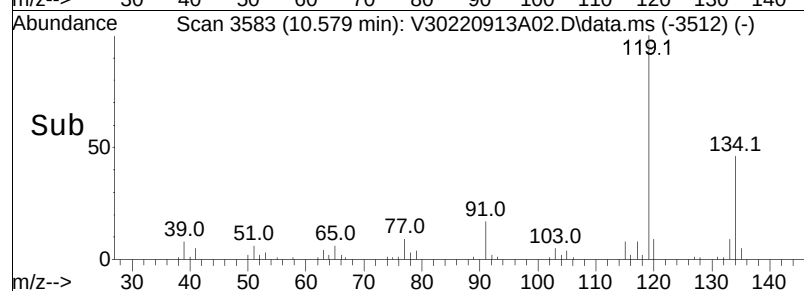
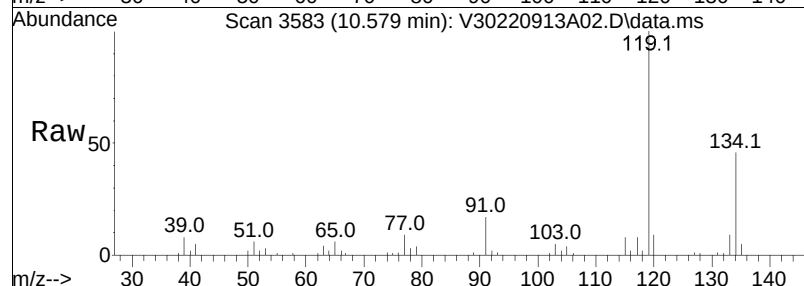
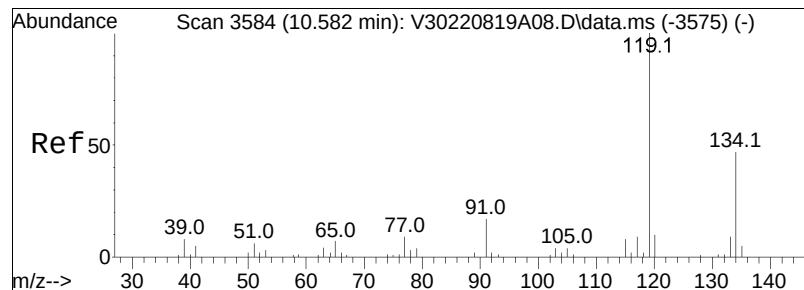




#104
 1,2-Dichlorobenzene
 Concen: 8.65 ug/L
 RT: 10.233 min Scan# 3459
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

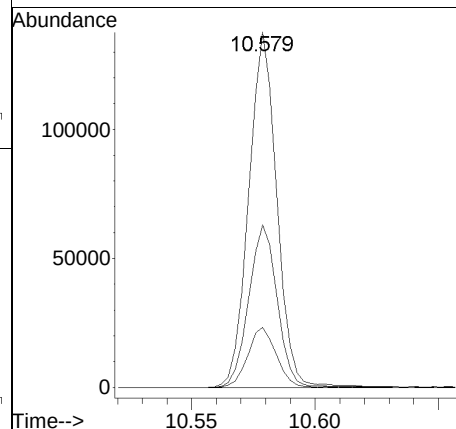
Tgt Ion:	146	Resp:	69116
Ion Ratio	Lower	Upper	
146	100		
111	41.7	28.3	58.7
148	64.1	42.3	87.8

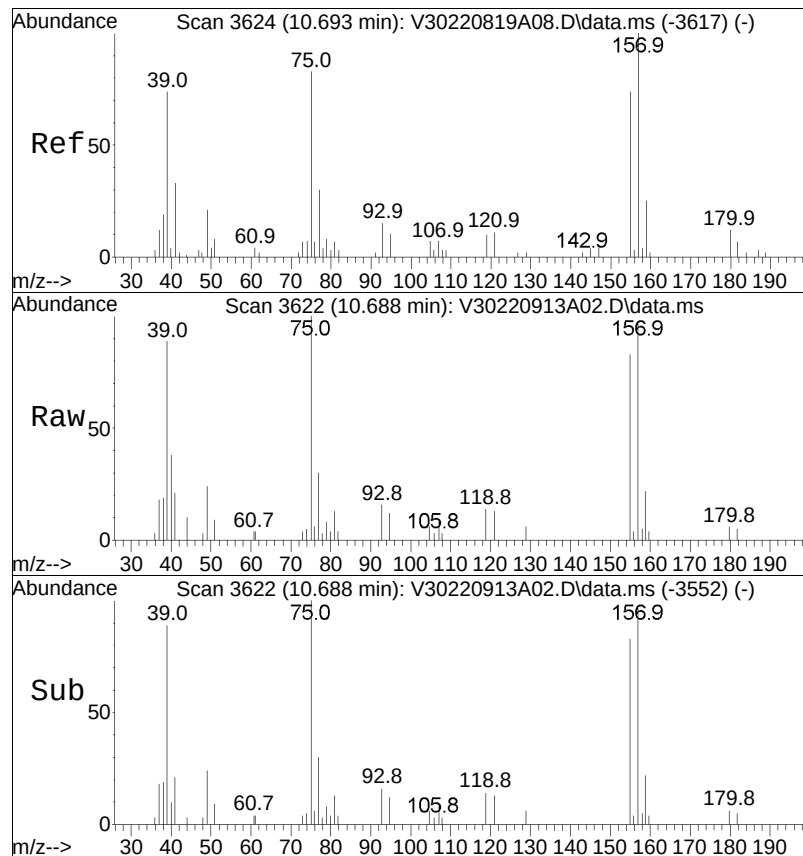




#105
 1,2,4,5-Tetramethylbenzene
 Concen: 6.97 ug/L
 RT: 10.579 min Scan# 3583
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

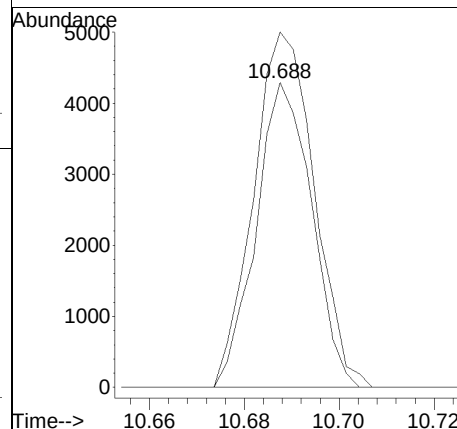
Tgt Ion:	119	Resp:	108930
Ion Ratio	Lower	Upper	
119	100		
134	46.6	30.5	63.3
91	17.0	12.4	25.7

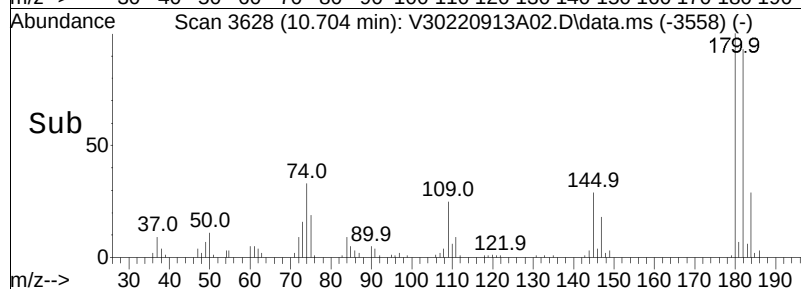
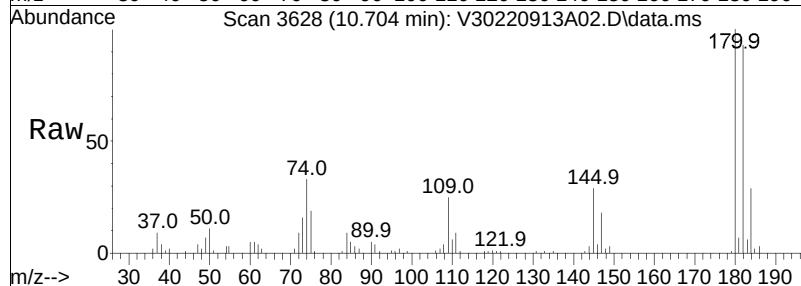
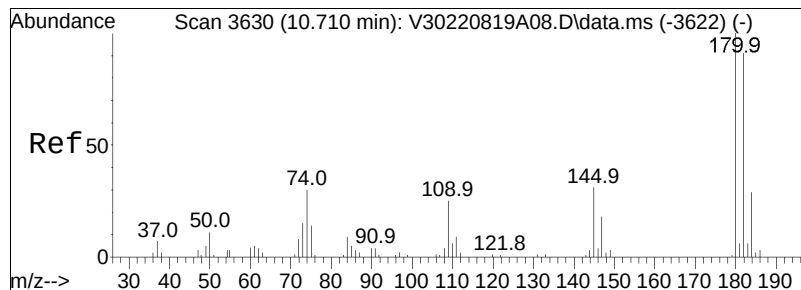




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.40 ug/L
 RT: 10.688 min Scan# 3622
 Delta R.T. -0.005 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

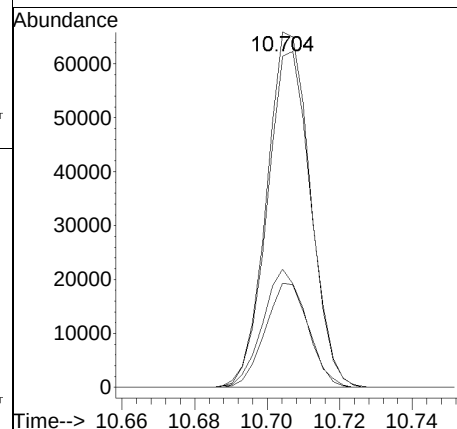
Tgt Ion	Ratio	Lower	Upper
155	100		
157	127.4	94.8	142.2

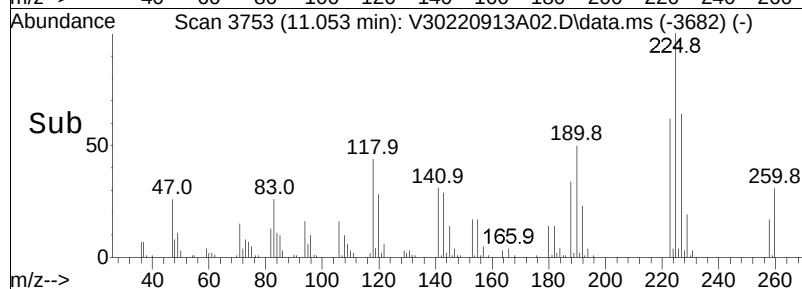
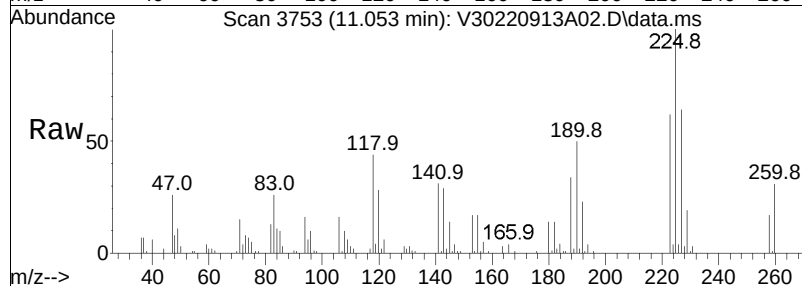
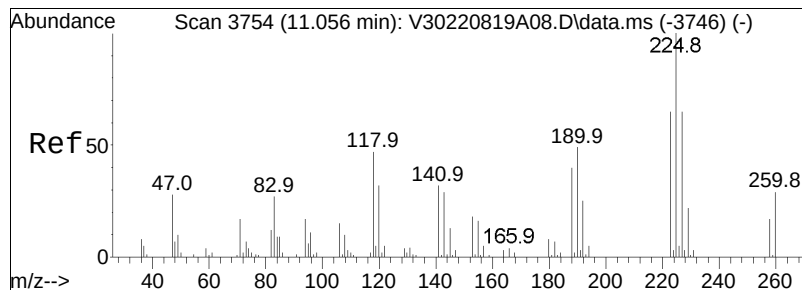




#107
 1,3,5-Trichlorobenzene
 Concen: 8.10 ug/L
 RT: 10.704 min Scan# 3628
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

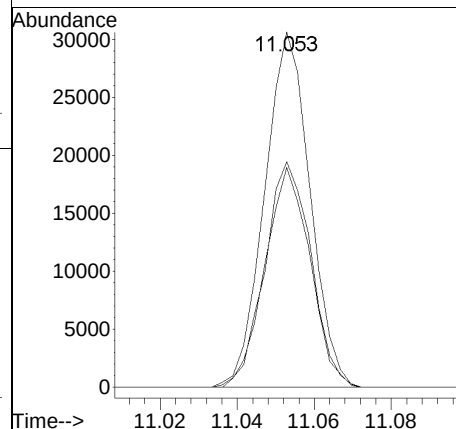
Tgt Ion:	180	Resp:	55072
Ion Ratio	Lower	Upper	
180	100		
182	94.9	63.5	131.9
145	29.4	21.2	44.0
74	33.0	25.3	52.5

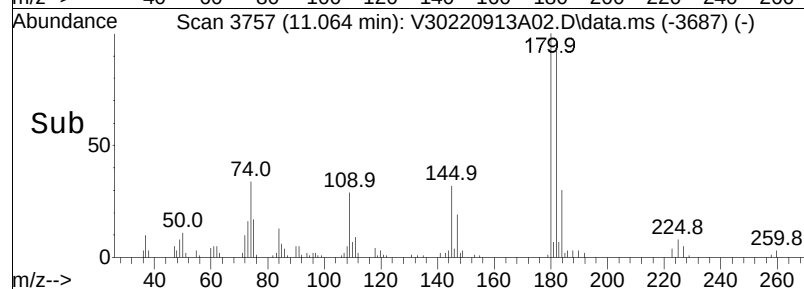
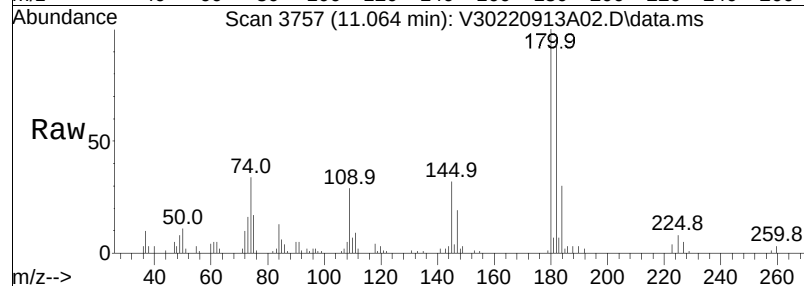
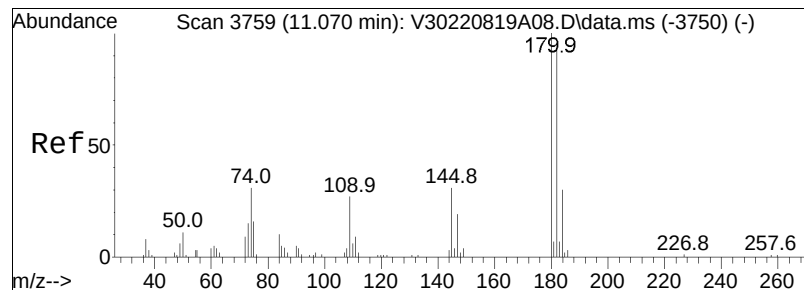




#108
 Hexachlorobutadiene
 Concen: 8.14 ug/L
 RT: 11.053 min Scan# 3753
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25094		
223	61.7		54.3	81.5
227	64.8		52.4	78.6





#109

1,2,4-Trichlorobenzene

Concen: 8.06 ug/L

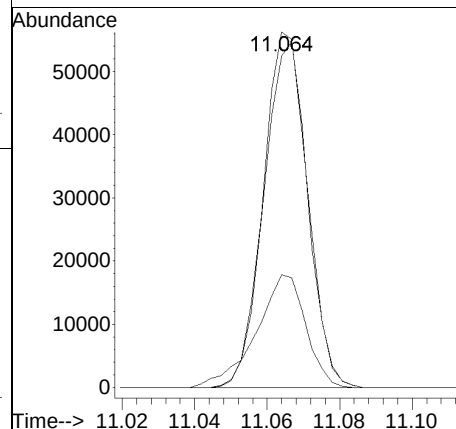
RT: 11.064 min Scan# 3757

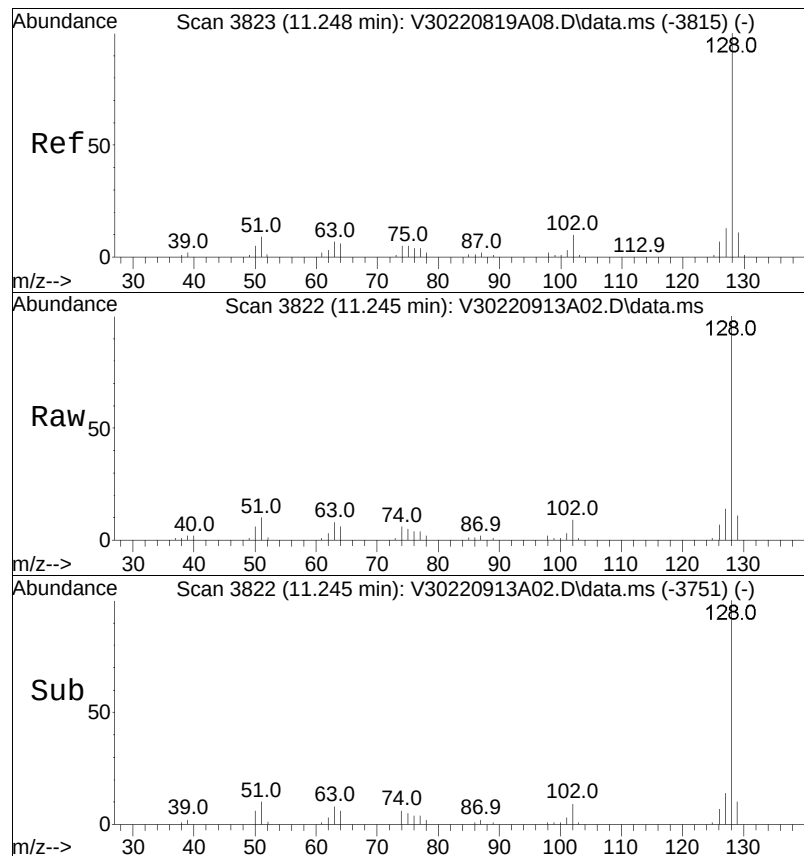
Delta R.T. -0.006 min

Lab File: V30220913A02.D

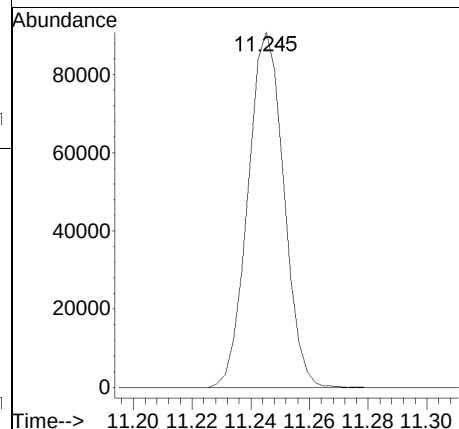
Acq: 13 Sep 2022 07:02 am

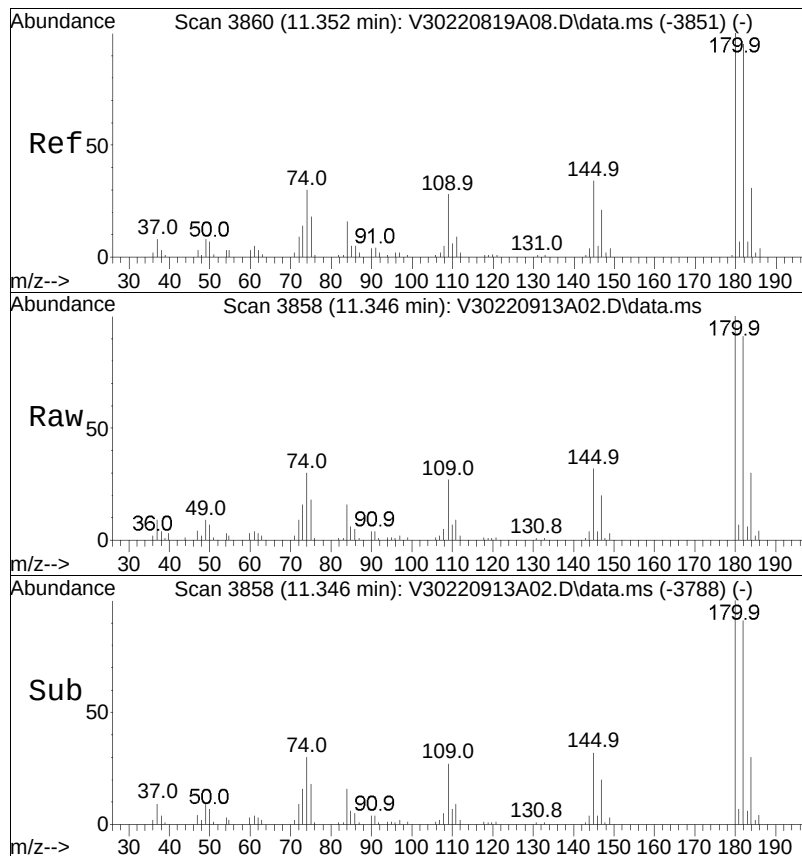
Tgt Ion:	180	Resp:	47642
Ion Ratio	Lower	Upper	
180	100		
182	96.0	77.3	115.9
145	35.4	28.1	42.1





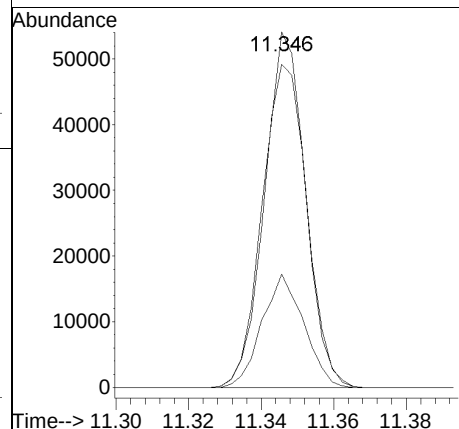
#110
 Naphthalene
 Concen: 7.24 ug/L
 RT: 11.245 min Scan# 3822
 Delta R.T. -0.003 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am
 Tgt Ion:128 Resp: 76963





#111
 1,2,3-Trichlorobenzene
 Concen: 8.28 ug/L
 RT: 11.346 min Scan# 3858
 Delta R.T. -0.006 min
 Lab File: V30220913A02.D
 Acq: 13 Sep 2022 07:02 am

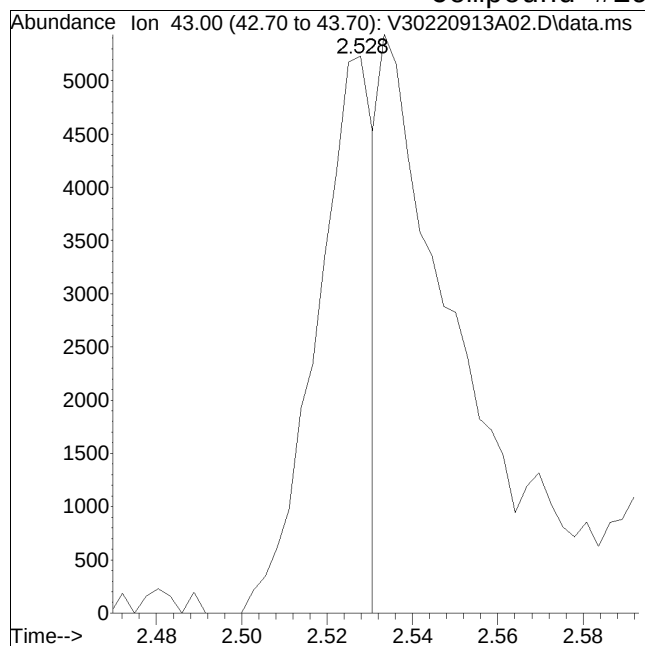
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.4	114.6
145	31.7	26.4	39.6



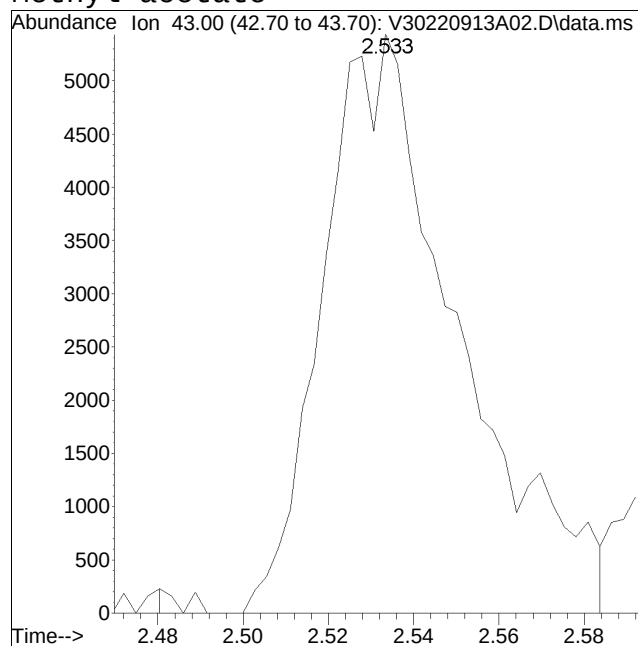
Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A02.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:02 am Instrument : VOA130
Sample : WG1686411-10,31,10,10,, Quant Date : 9/13/2022 7:38 am

Compound #19: Methyl acetate



Original Peak Response = 4828



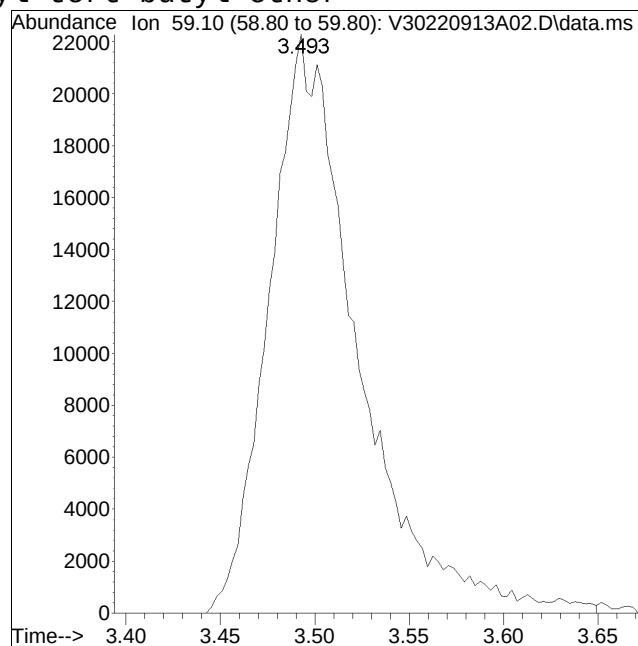
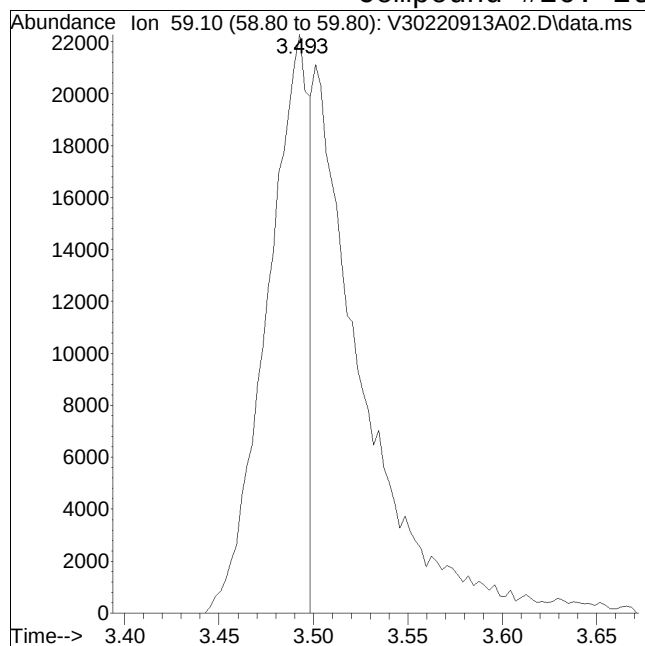
Manual Peak Response = 11993 M3

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\20Method : VOA130_220819A_8260.m
Data File : V30220913A02.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:02 am Instrument : VOA130
Sample : WG1686411-10,31,10,10,, Quant Date : 9/13/2022 7:38 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 34698

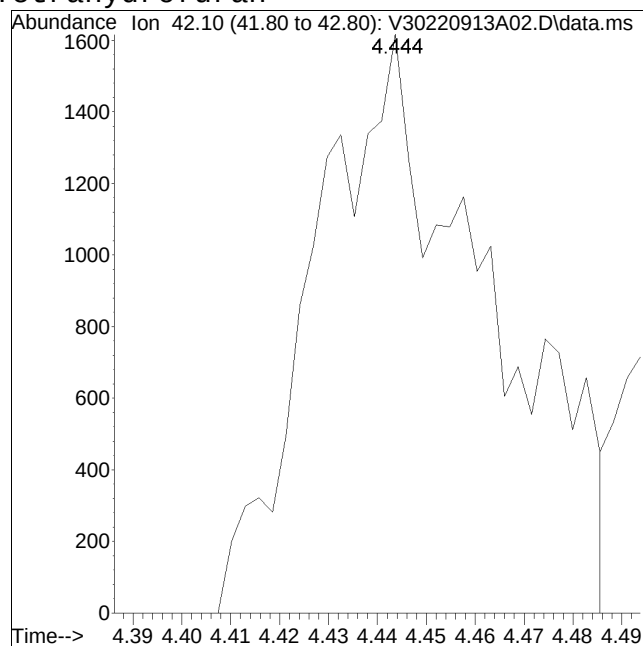
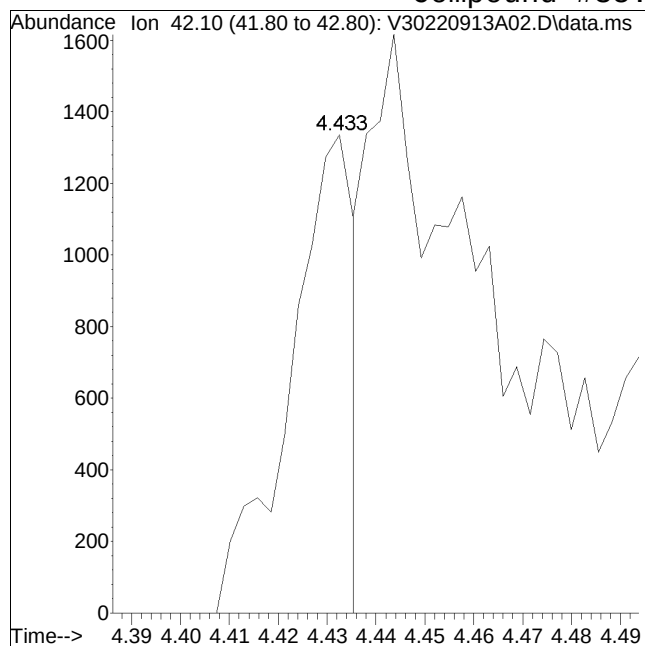
Manual Peak Response = 72737 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A02.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:02 am Instrument : VOA130
Sample : WG1686411-10,31,10,10,, Quant Date : 9/13/2022 7:38 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1206

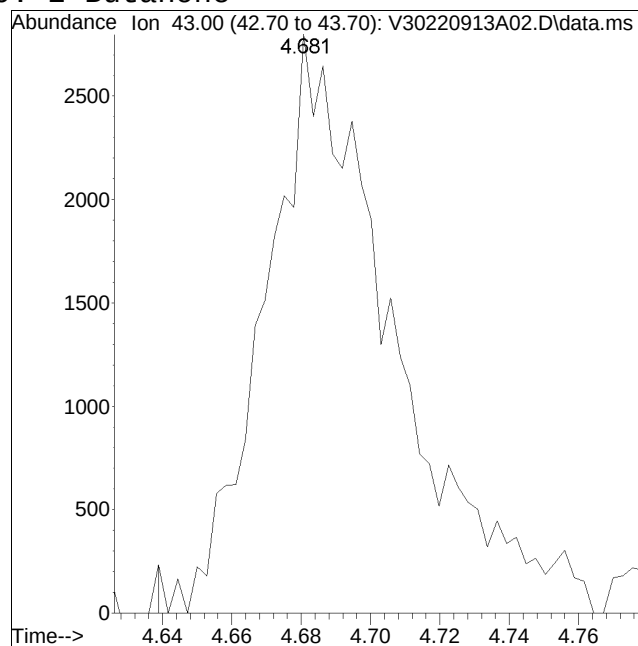
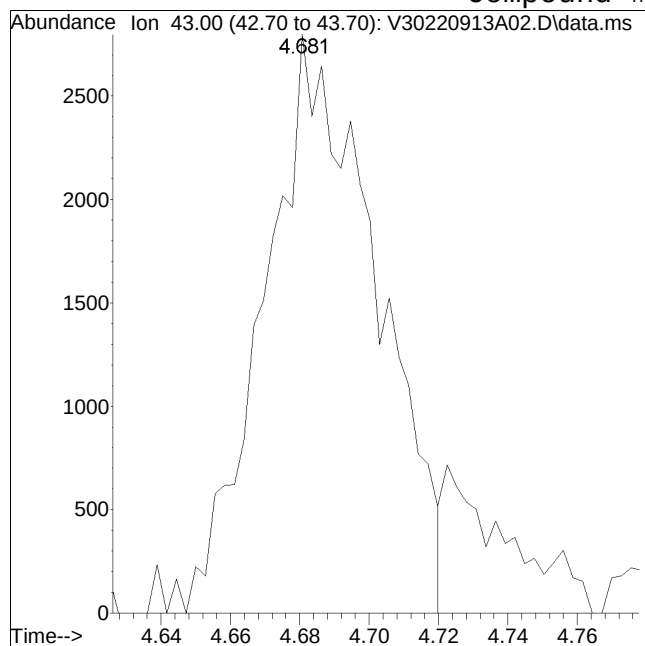
Manual Peak Response = 4026 M3

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\20Method : VOA130_220819A_8260.m
Data File : V30220913A02.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:02 am Instrument : VOA130
Sample : WG1686411-10,31,10,10,, Quant Date : 9/13/2022 7:38 am

Compound #39: 2-Butanone



Original Peak Response = 6278

Manual Peak Response = 7207 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\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-3,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	180811	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.493	117	130036	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	9.985	152	66946	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.488	113	46845	9.811	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.11%	
43) 1,2-Dichloroethane-d4	5.127	65	47995	9.155	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	=	91.55%	
60) Toluene-d8	7.190	98	176837	10.469	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.69%	
83) 4-Bromofluorobenzene	9.315	95	63201	9.957	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.57%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.935	85	22568	6.133	ug/L	98
3) Chloromethane	1.058	50	38144	8.983	ug/L	99
4) Vinyl chloride	1.108	62	41191	9.777	ug/L	96
5) Bromomethane	1.312	94	15701	5.414	ug/L	99
6) Chloroethane	1.398	64	29805	11.262	ug/L	100
7) Trichlorofluoromethane	1.493	101	63669	9.831	ug/L	95
8) Ethyl ether	1.725	74	12175	7.971	ug/L	84
10) 1,1-Dichloroethene	1.853	96	35575	10.333	ug/L	80
11) Carbon disulfide	1.858	76	91521	10.714	ug/L	100
15) Methylene chloride	2.338	84	37907	9.821	ug/L	83
17) Acetone	2.397	43	5535	9.275	ug/L	# 82
18) trans-1,2-Dichloroethene	2.483	96	36420	9.780	ug/L	85
20) Methyl tert-butyl ether	2.617	73	49530	6.829	ug/L	91
23) 1,1-Dichloroethane	3.116	63	75538	10.152	ug/L	99
25) Acrylonitrile	3.186	53	6398	8.147	ug/L	# 88
27) Vinyl acetate	3.493	43	49547	7.448	ug/L	97
28) cis-1,2-Dichloroethene	3.808	96	41003	9.584	ug/L	# 78
29) 2,2-Dichloropropane	3.947	77	45485	9.270	ug/L	# 68
30) Bromochloromethane	4.075	128	17027	9.148	ug/L	# 69
32) Chloroform	4.240	83	71502	9.800	ug/L	# 97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-3,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
34)	Carbon tetrachloride	4.363	117	53116	10.248	ug/L	#	93
37)	1,1,1-Trichloroethane	4.460	97	57085	9.415	ug/L	#	96
39)	2-Butanone	4.678	43	7802	8.550	ug/L		98
40)	1,1-Dichloropropene	4.639	75	50055	9.704	ug/L	#	70
41)	Benzene	4.954	78	148682	9.701	ug/L		94
44)	1,2-Dichloroethane	5.210	62	46322	8.626	ug/L		99
48)	Trichloroethene	5.676	95	39178	9.822	ug/L		99
50)	Dibromomethane	6.122	93	17940	8.444	ug/L		96
51)	1,2-Dichloropropane	6.239	63	38506	9.517	ug/L		97
54)	Bromodichloromethane	6.351	83	50260	9.185	ug/L		98
57)	1,4-Dioxane	6.580	88	7806	582.885	ug/L		88
58)	cis-1,3-Dichloropropene	7.012	75	49878	9.169	ug/L		96
61)	Toluene	7.241	92	95201	10.084	ug/L		97
62)	4-Methyl-2-pentanone	7.656	58	6060	7.258	ug/L	#	92
63)	Tetrachloroethene	7.598	166	39623	9.907	ug/L		94
65)	trans-1,3-Dichloropropene	7.667	75	38014	9.325	ug/L		98
68)	1,1,2-Trichloroethane	7.796	83	19947	8.691	ug/L		97
69)	Chlorodibromomethane	7.932	129	30134	8.890	ug/L		98
70)	1,3-Dichloropropane	8.008	76	42934	8.861	ug/L		100
71)	1,2-Dibromoethane	8.088	107	22343	8.615	ug/L		100
72)	2-Hexanone	8.337	43	10519	7.191	ug/L		97
73)	Chlorobenzene	8.507	112	103012	9.881	ug/L		93
74)	Ethylbenzene	8.549	91	182937	9.951	ug/L		100
75)	1,1,1,2-Tetrachloroethane	8.565	131	32780	9.408	ug/L		96
76)	p/m Xylene	8.657	106	138436	20.245	ug/L		97
77)	o Xylene	8.939	106	134145	20.092	ug/L		95
78)	Styrene	8.978	104	223067	20.693	ug/L		93
80)	Bromoform	8.978	173	17839	9.106	ug/L		91
82)	Isopropylbenzene	9.151	105	181250	10.119	ug/L		99
84)	Bromobenzene	9.371	156	40451	9.099	ug/L		96
85)	n-Propylbenzene	9.410	91	226769	10.495	ug/L		99
87)	1,1,2,2-Tetrachloroethane	9.460	83	26621	8.202	ug/L		99
88)	4-Ethyltoluene	9.480	105	178247	10.086	ug/L		98
89)	2-Chlorotoluene	9.491	91	154152	10.208	ug/L		98
90)	1,3,5-Trimethylbenzene	9.536	105	143860	9.414	ug/L		95
91)	1,2,3-Trichloropropane	9.527	75	21366	8.193	ug/L		98
92)	trans-1,4-Dichloro-2-b...	9.561	53	7423	8.179	ug/L		88
93)	4-Chlorotoluene	9.594	91	133628	9.863	ug/L		97
94)	tert-Butylbenzene	9.720	119	131412	9.966	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A01.D
 Acq On : 12 Sep 2022 06:54 am
 Operator : VOA130:MV
 Sample : WG1686411-3,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.764	105	137463	9.147	ug/L	96
98)	sec-Butylbenzene	9.826	105	202132	10.233	ug/L	99
99)	p-Isopropyltoluene	9.912	119	164678	9.740	ug/L	97
100)	1,3-Dichlorobenzene	9.940	146	82941	9.724	ug/L	99
101)	1,4-Dichlorobenzene	9.993	146	81386	9.489	ug/L	98
102)	p-Diethylbenzene	10.124	119	94548	9.233	ug/L	95
103)	n-Butylbenzene	10.155	91	157205	10.012	ug/L	99
104)	1,2-Dichlorobenzene	10.233	146	73182	9.153	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	118223	7.554	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.690	155	3282	7.886	ug/L	80
108)	Hexachlorobutadiene	11.053	225	27279	8.842	ug/L	95
109)	1,2,4-Trichlorobenzene	11.064	180	50406	8.518	ug/L	98
110)	Naphthalene	11.245	128	78311	7.359	ug/L	100
111)	1,2,3-Trichlorobenzene	11.346	180	43327	8.255	ug/L	100

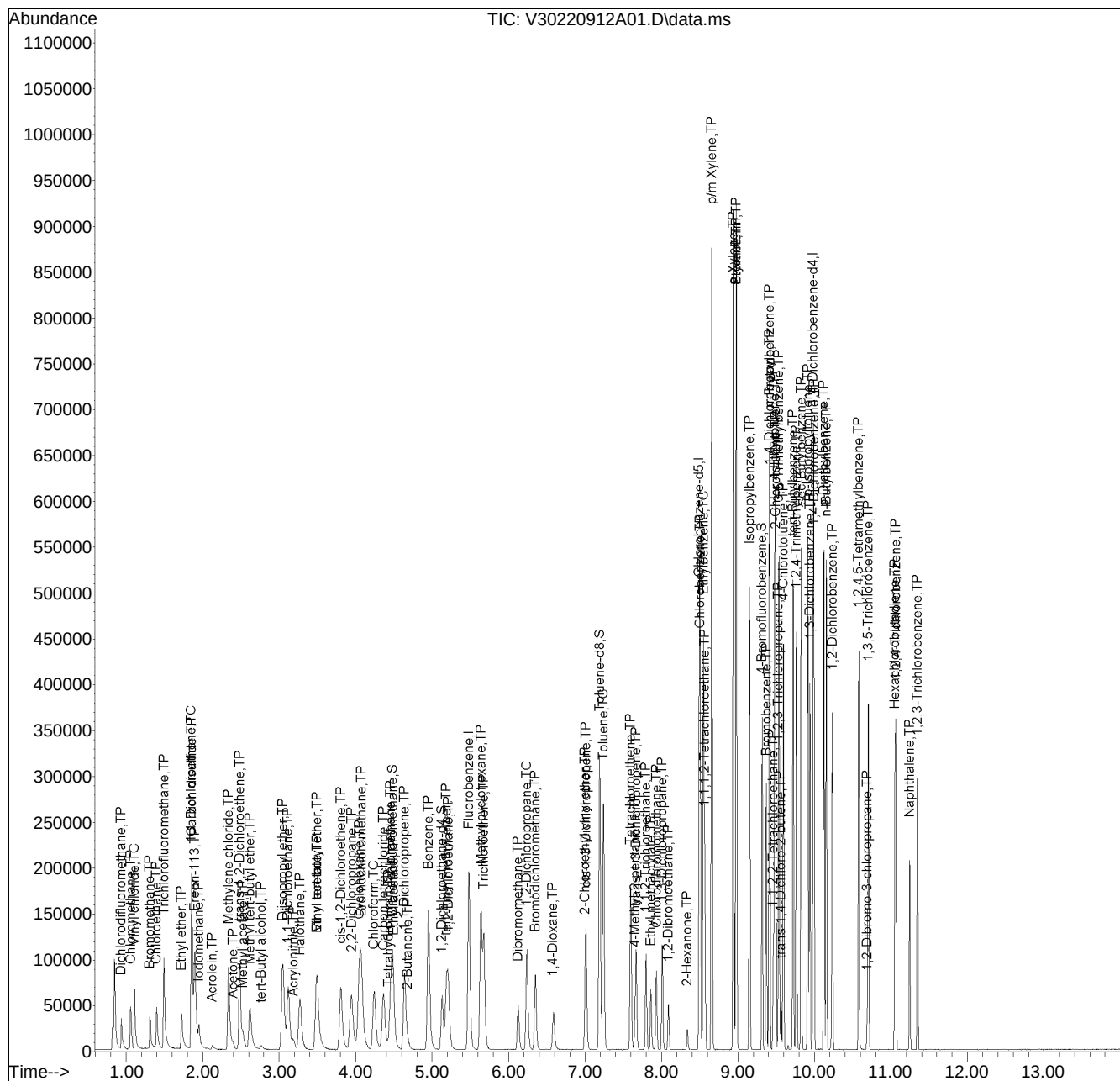
(#) = qualifier out of range (m) = manual integration (+) = signals summed

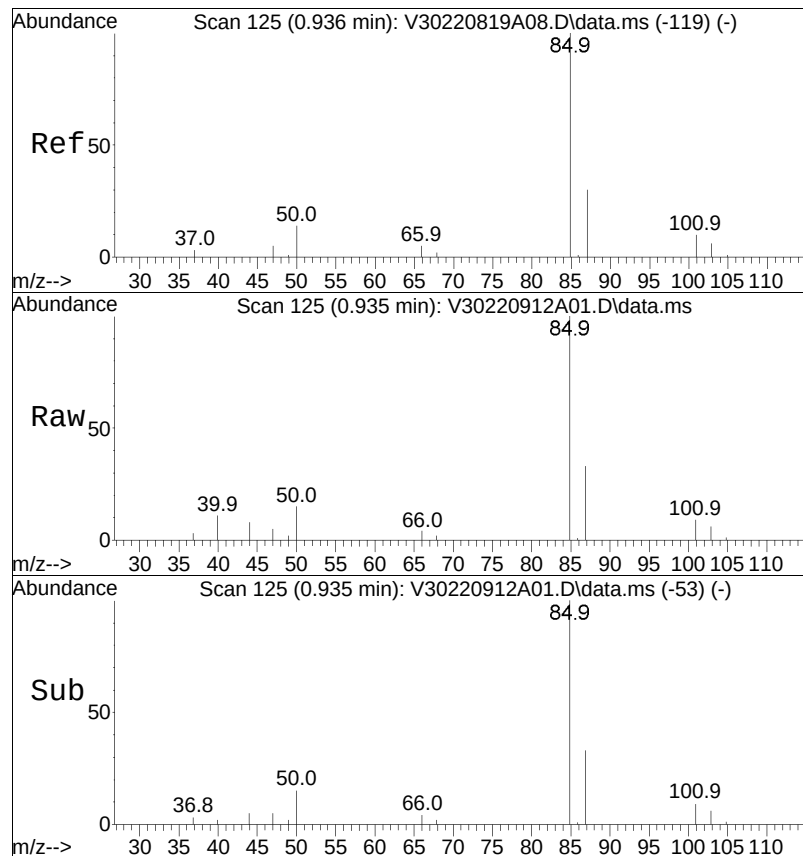
(QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
Data File : V30220912A01.D
Acq On : 12 Sep 2022 06:54 am
Operator : VOA130:MV
Sample : WG1686411-3, 31, 10, 10
Misc : WG1686411, ICAL19274
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 07:28:33 2022
Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

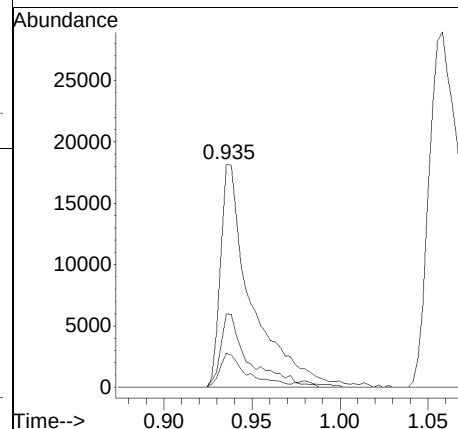
Sub List : 8260-Curve - Megamix plus Diox20912A\V30220912A01.D•

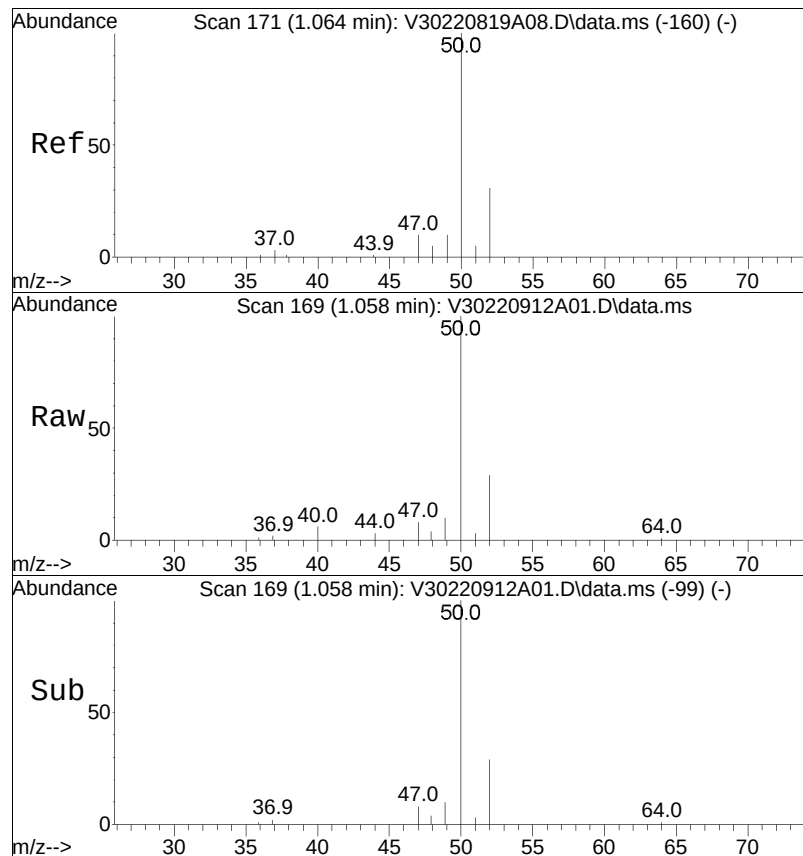




#2
 Dichlorodifluoromethane
 Concen: 6.13 ug/L
 RT: 0.935 min Scan# 125
 Delta R.T. -0.001 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

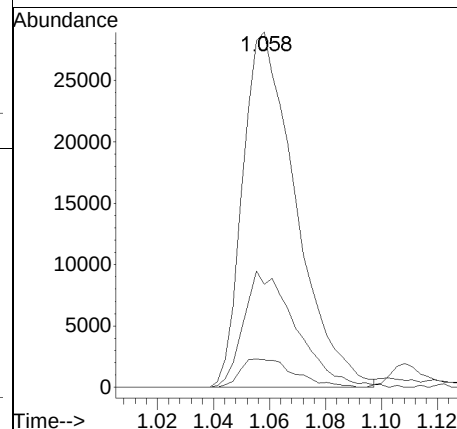
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	21.0	43.6
50	13.6	8.9	18.5

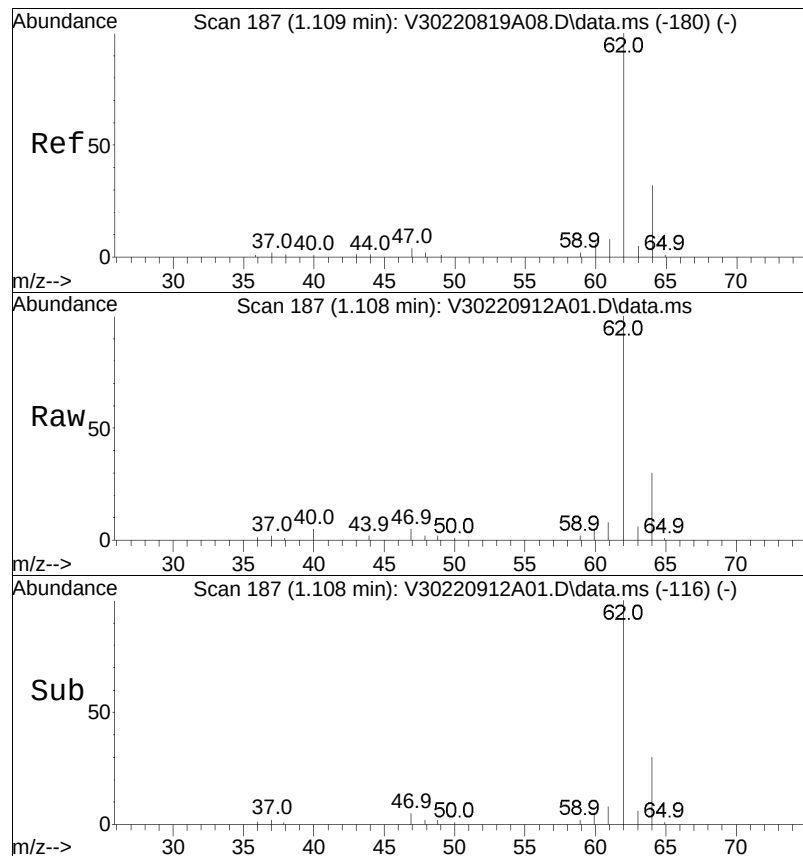




#3
 Chloromethane
 Concen: 8.98 ug/L
 RT: 1.058 min Scan# 169
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

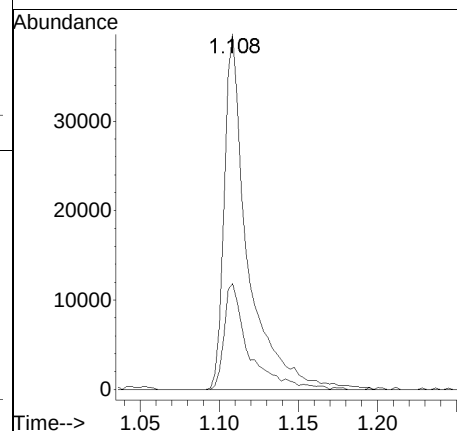
Tgt	Ion: 50	Resp:	38144
Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.9	52.9
47	8.2	0.0	28.3

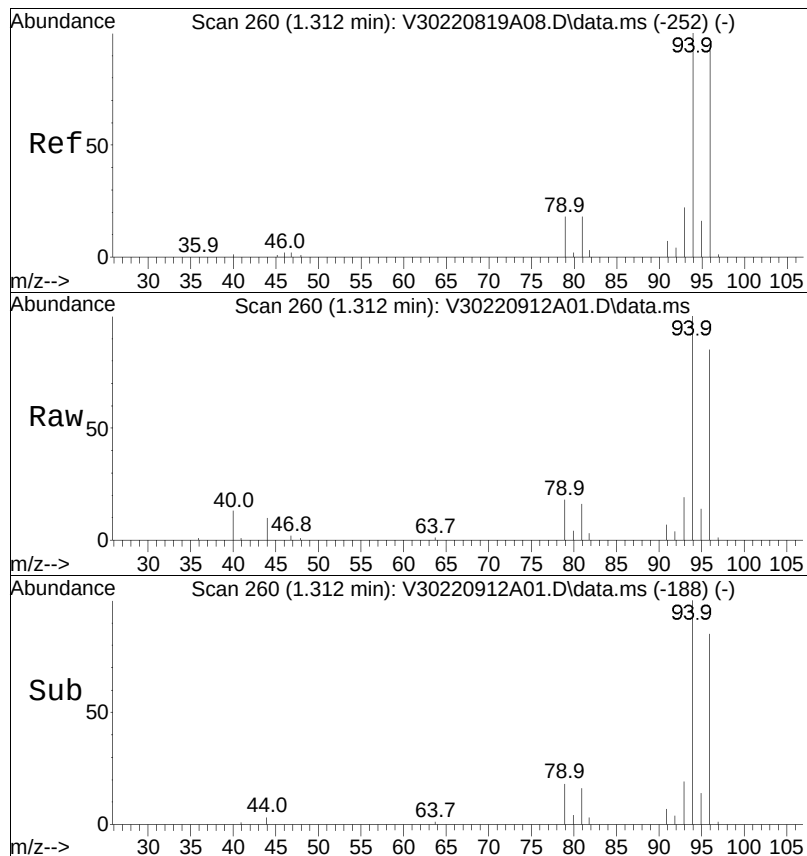




#4
 Vinyl chloride
 Concen: 9.78 ug/L
 RT: 1.108 min Scan# 187
 Delta R.T. -0.001 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

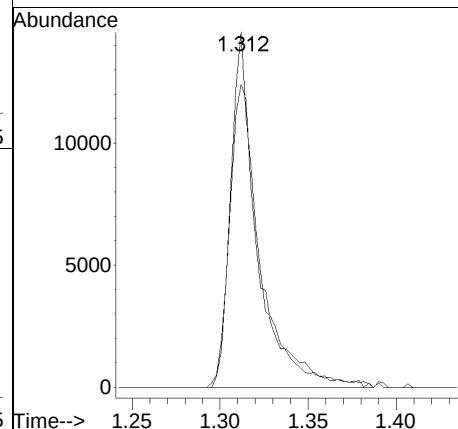
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.1	9.1	49.1

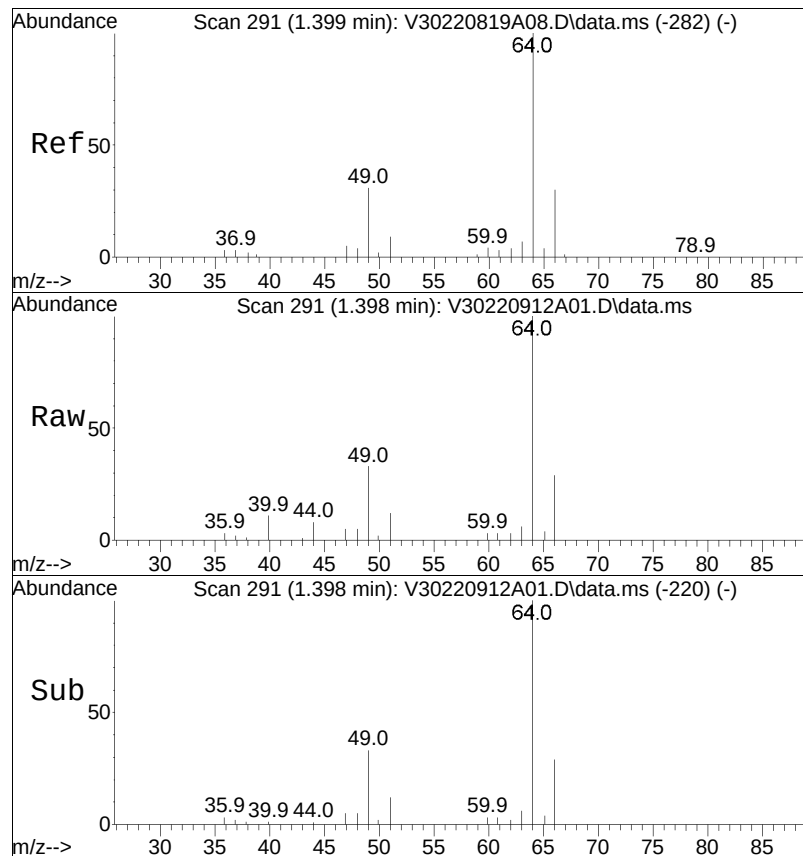




#5
 Bromomethane
 Concen: 5.41 ug/L
 RT: 1.312 min Scan# 260
 Delta R.T. -0.000 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

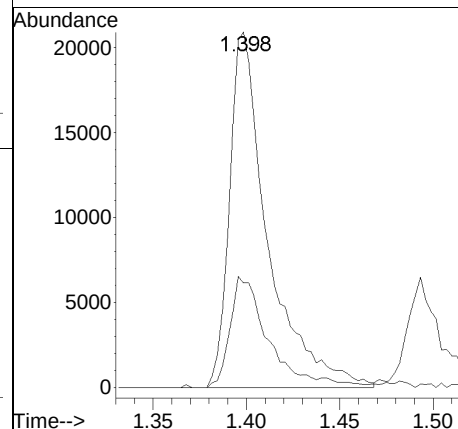
Tgt Ion	94	Resp	15701
Ion Ratio	100	Lower	Upper
96	94.4	75.6	115.6

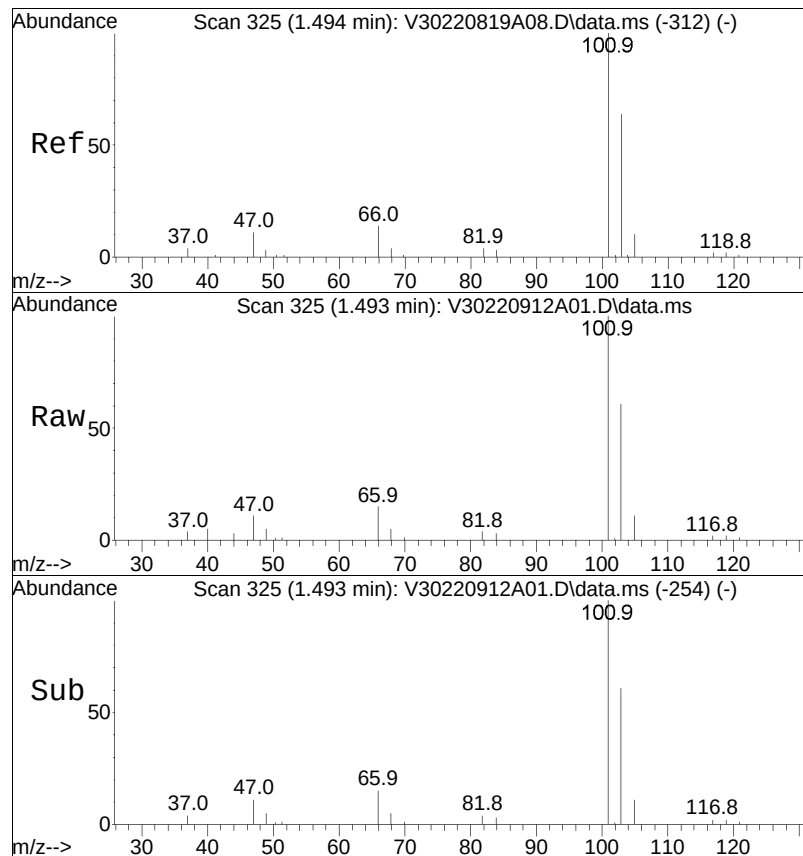




#6
 Chloroethane
 Concen: 11.26 ug/L
 RT: 1.398 min Scan# 291
 Delta R.T. -0.001 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

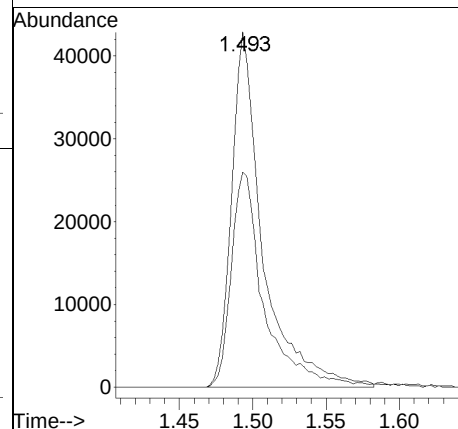
Tgt Ion	Ratio	Lower	Upper
64	100		
66	29.8	9.8	49.8

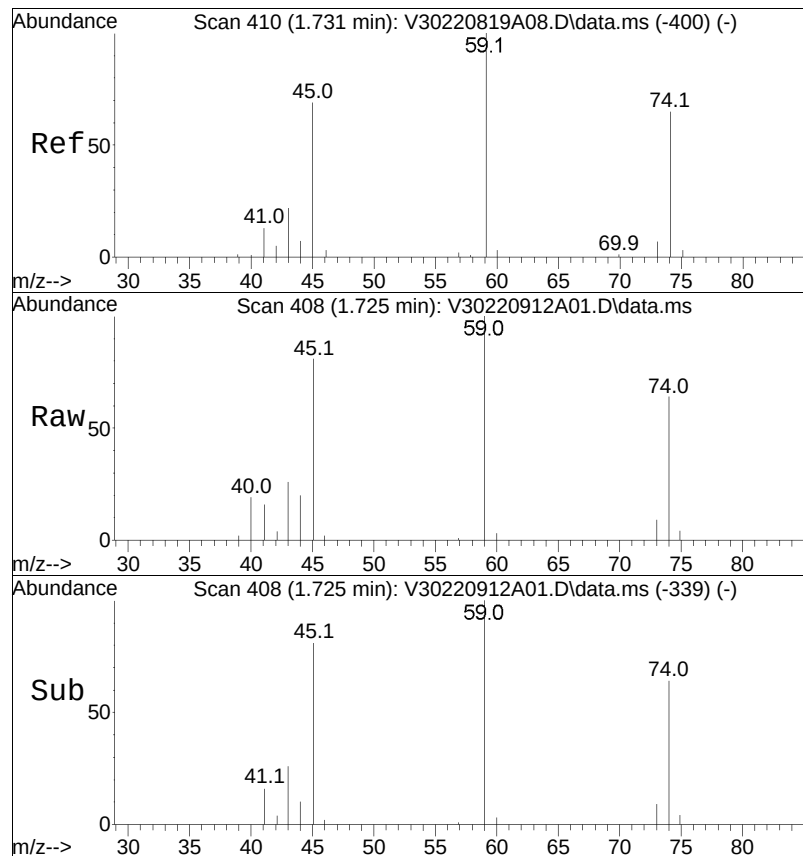




#7
 Trichlorofluoromethane
 Concen: 9.83 ug/L
 RT: 1.493 min Scan# 325
 Delta R.T. -0.001 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

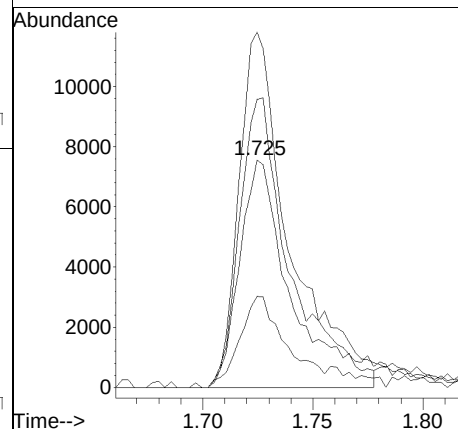
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	63.2	53.8	80.6	

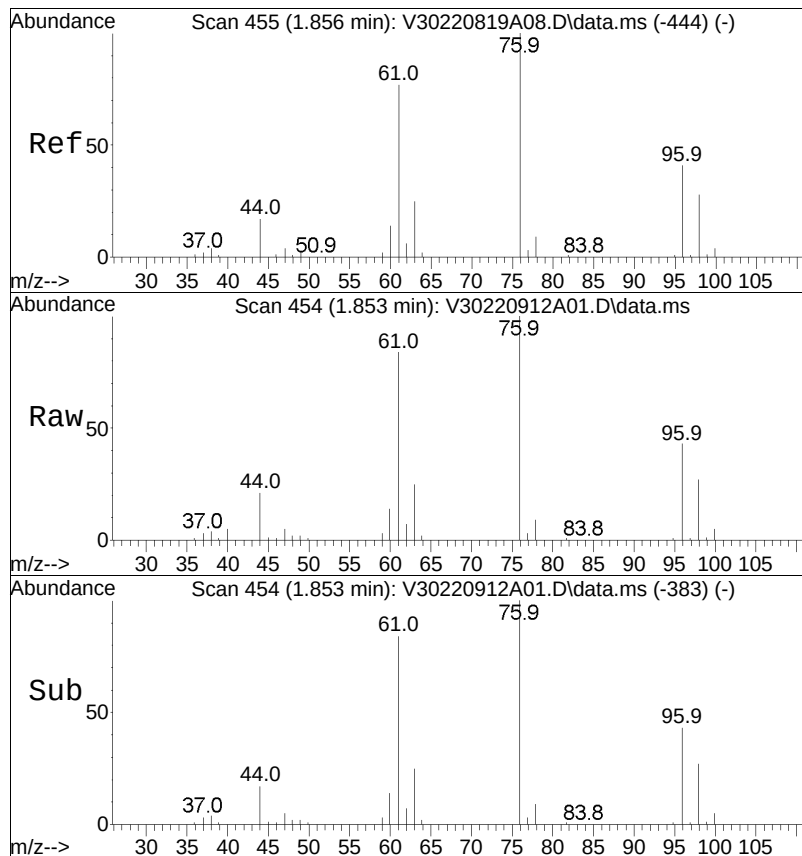




#8
 Ethyl ether
 Concen: 7.97 ug/L
 RT: 1.725 min Scan# 408
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

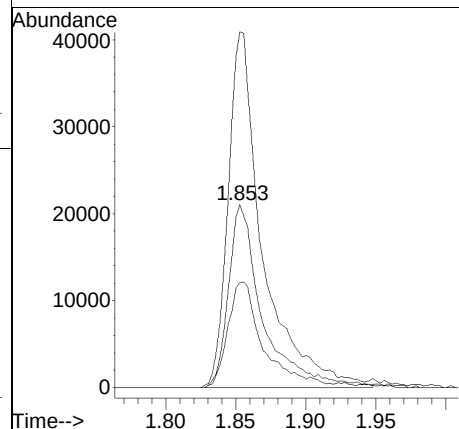
Tgt Ion:	74	Resp:	12175
Ion	Ratio	Lower	Upper
74	100		
59	158.4	122.2	253.8
45	125.3	91.9	190.9
43	36.4	25.2	52.2

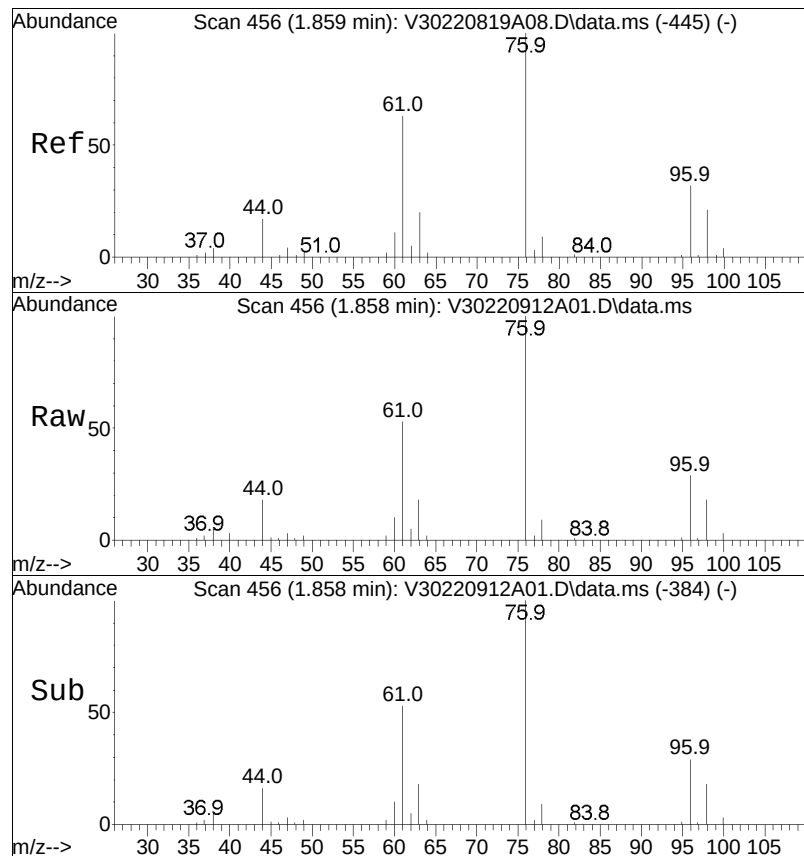




#10
 1,1-Dichloroethene
 Concen: 10.33 ug/L
 RT: 1.853 min Scan# 454
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

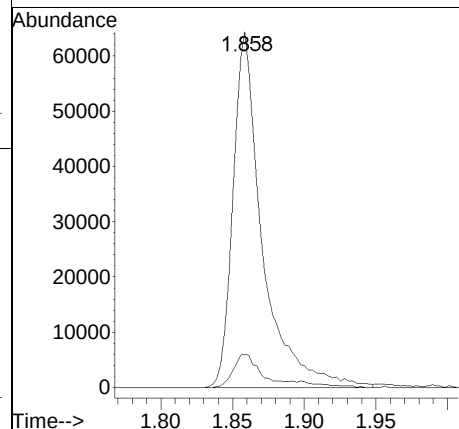
Tgt Ion:	96	Resp:	35575
Ion Ratio	Lower	Upper	
96	100		
61	196.0	186.1	279.1
63	60.0	57.6	86.4

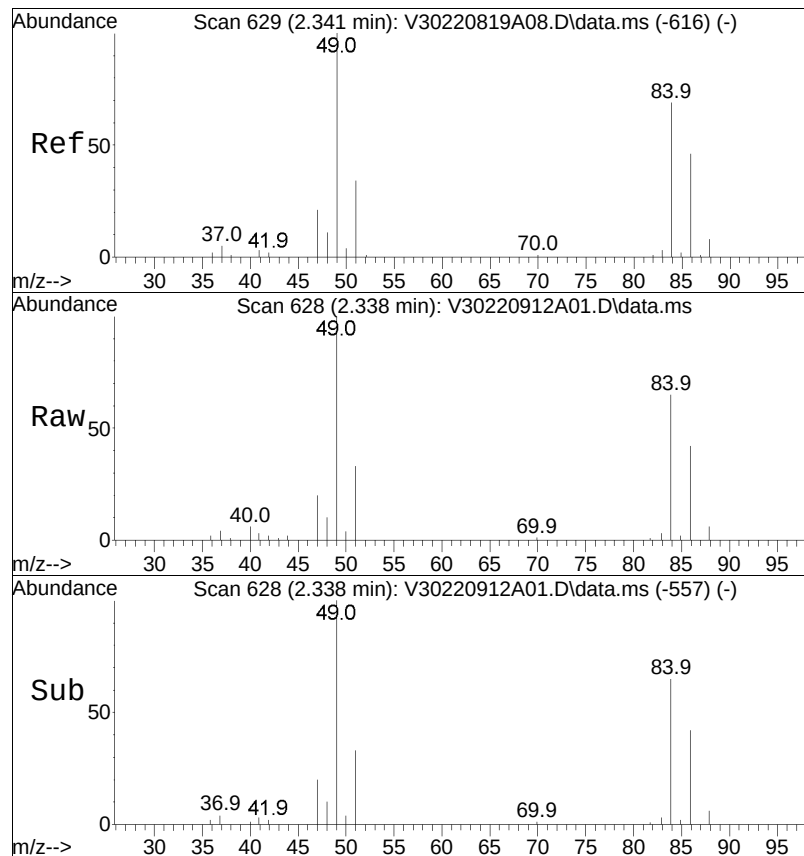




#11
 Carbon disulfide
 Concen: 10.71 ug/L
 RT: 1.858 min Scan# 456
 Delta R.T. -0.001 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

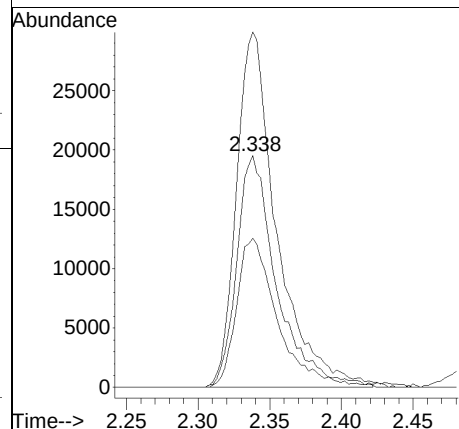
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	5.7	11.7

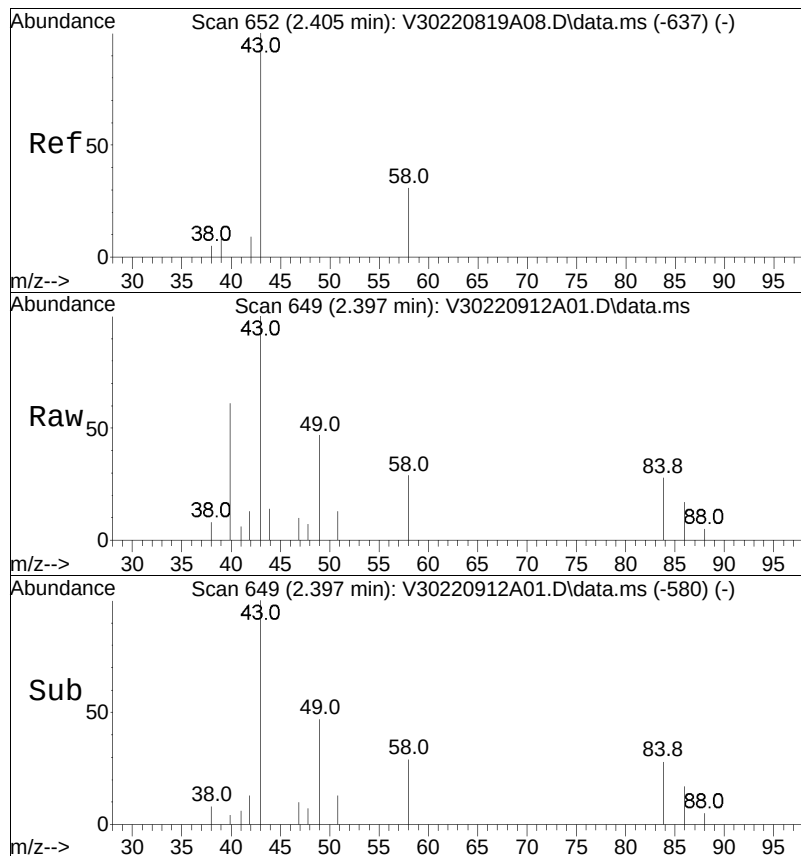




#15
 Methylene chloride
 Concen: 9.82 ug/L
 RT: 2.338 min Scan# 628
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

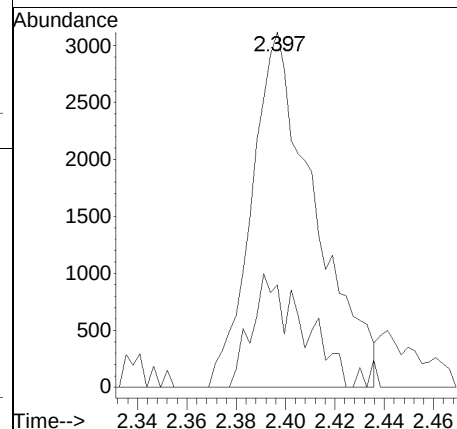
Tgt Ion:	84	Resp:	37907
Ion Ratio	Lower	Upper	
84	100		
86	66.0	40.4	83.8
49	154.9	120.0	249.2

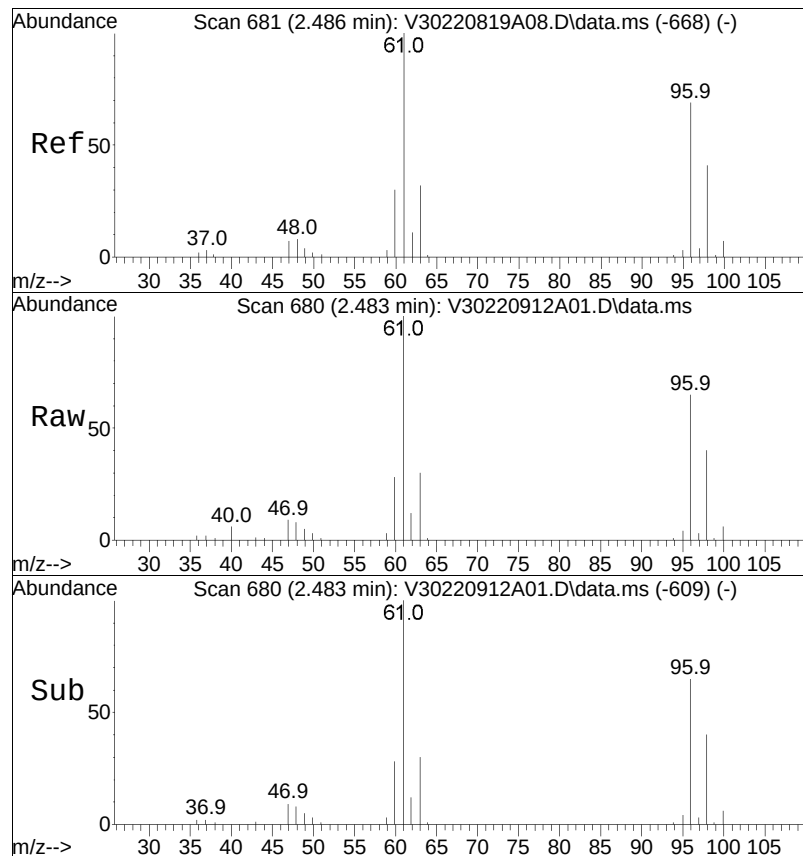




#17
 Acetone
 Concen: 9.28 ug/L
 RT: 2.397 min Scan# 649
 Delta R.T. -0.008 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

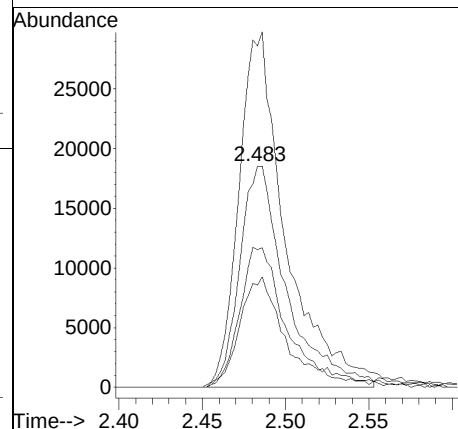
Tgt Ion:	43	58	Ratio	100	20.3	Resp:	5535	Lower	Upper
								24.2	36.4#

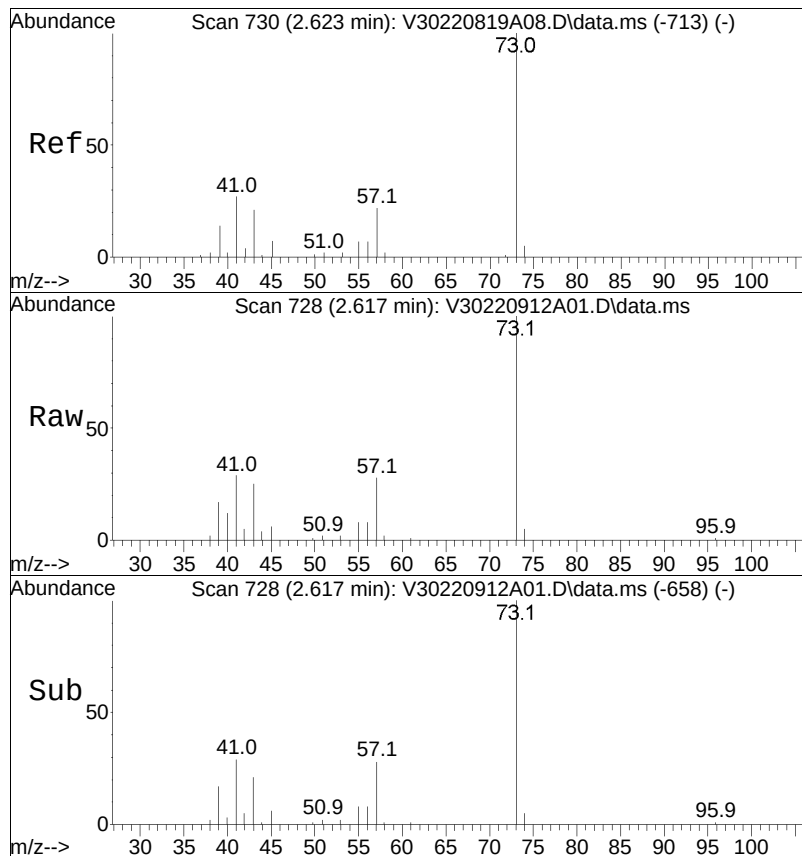




#18
 trans-1,2-Dichloroethene
 Concen: 9.78 ug/L
 RT: 2.483 min Scan# 680
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

Tgt Ion: 96	Resp: 36420
Ion Ratio	Lower Upper
96 100	
61 161.6	124.0 257.6
98 63.7	41.2 85.6
63 49.6	38.4 79.7





#20

Methyl tert-butyl ether

Concen: 6.83 ug/L

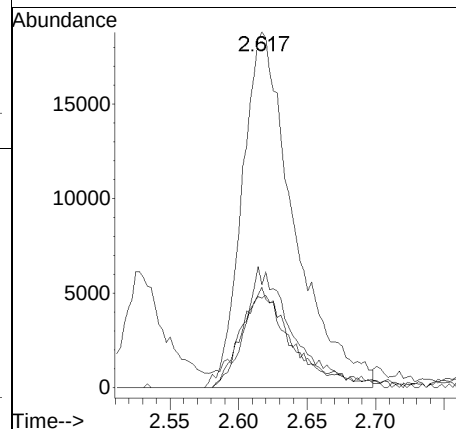
RT: 2.617 min Scan# 728

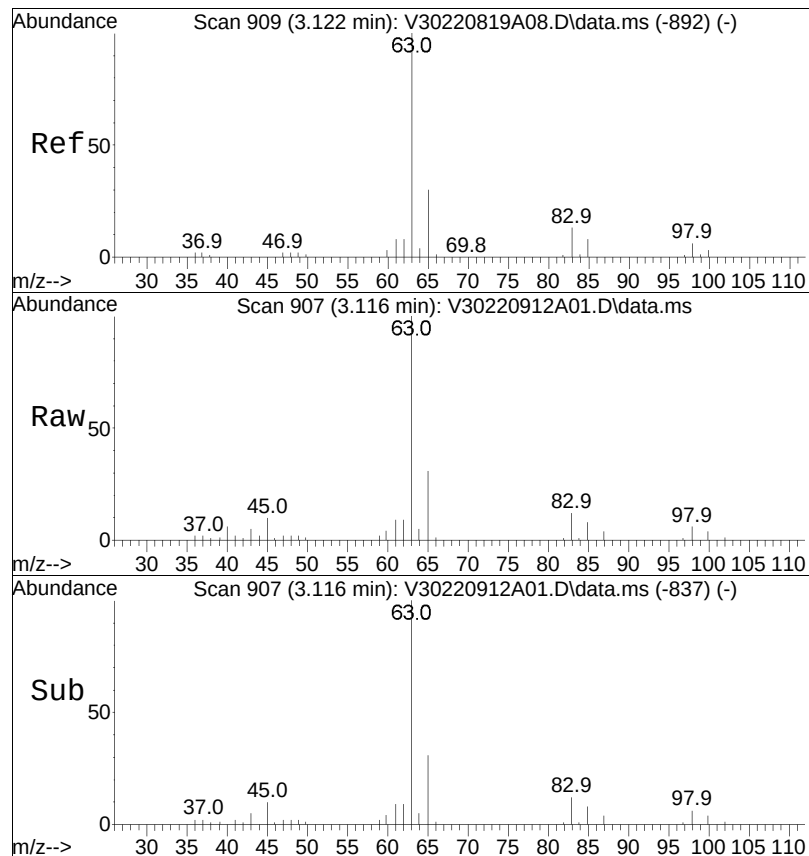
Delta R.T. -0.006 min

Lab File: V30220912A01.D

Acq: 12 Sep 2022 06:54 am

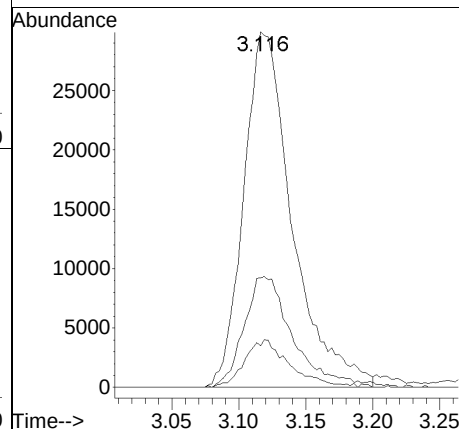
Tgt Ion:	73	Resp:	49530
Ion	Ratio	Lower	Upper
73	100		
57	24.8	17.5	36.3
43	20.2	15.3	31.9
41	31.2	15.3	31.7

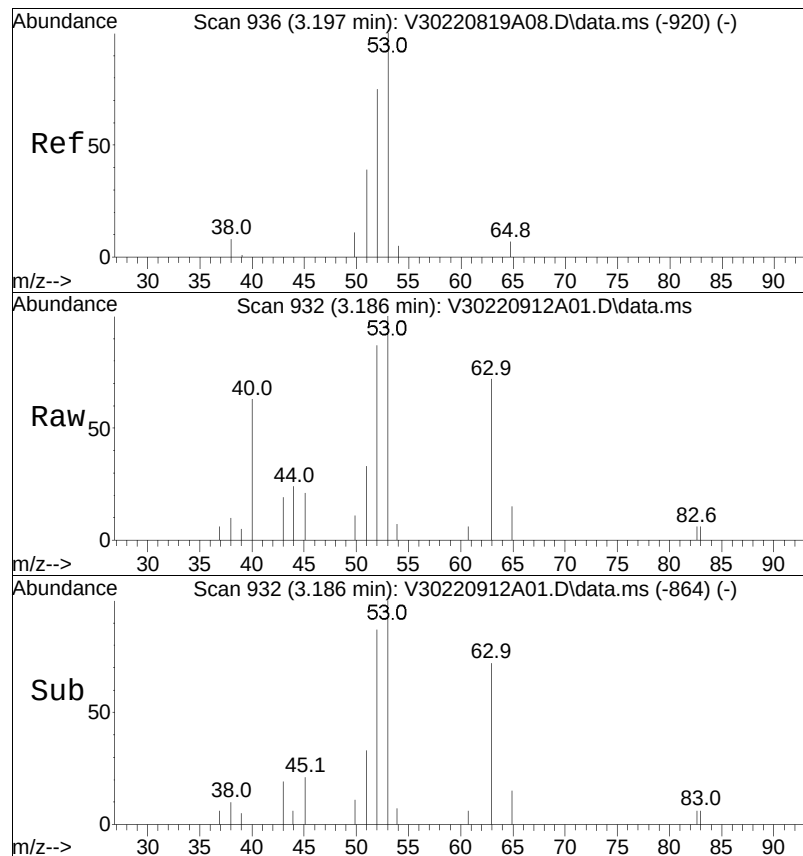




#23
 1,1-Dichloroethane
 Concen: 10.15 ug/L
 RT: 3.116 min Scan# 907
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

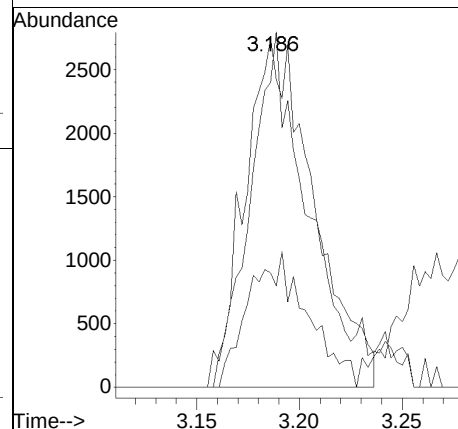
Tgt Ion:	63	Resp:	75538
Ion Ratio	Lower	Upper	
63	100		
65	31.1	11.0	51.0
83	12.6	0.0	31.8

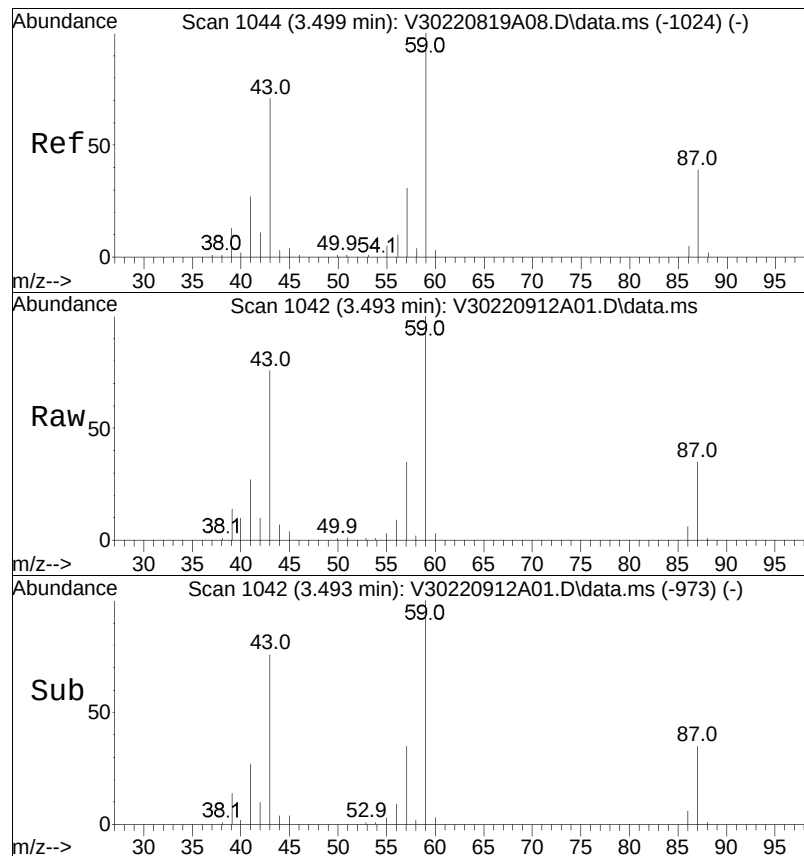




#25
 Acrylonitrile
 Concen: 8.15 ug/L
 RT: 3.186 min Scan# 932
 Delta R.T. -0.011 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

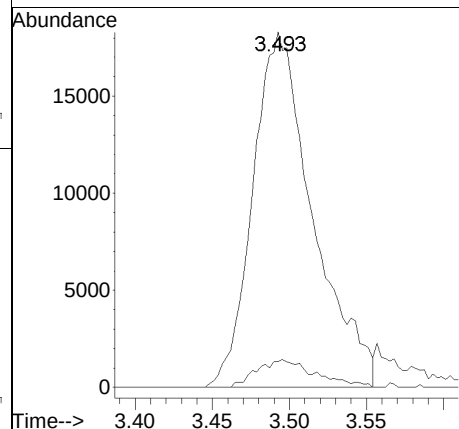
Tgt Ion	Ratio	Resp	Lower	Upper
53	100	6398		
52	82.4		66.7	100.1
51	16.6		30.6	46.0

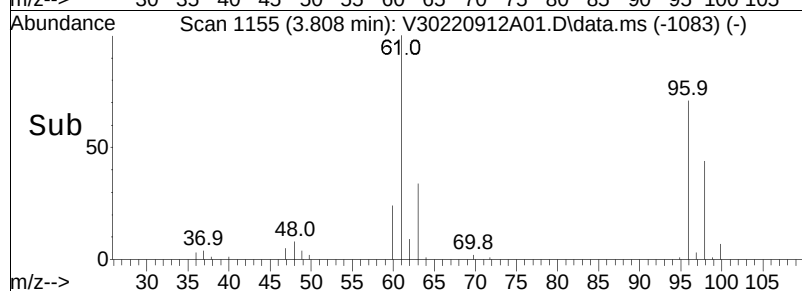
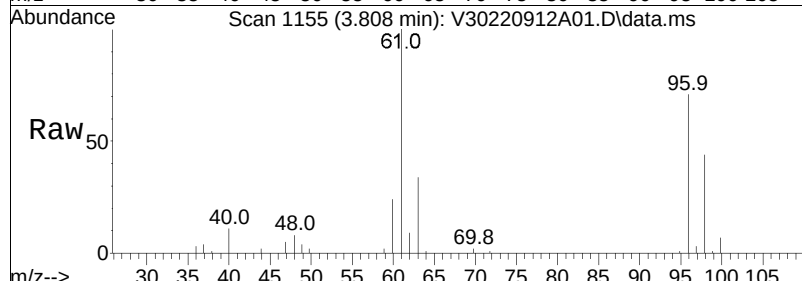
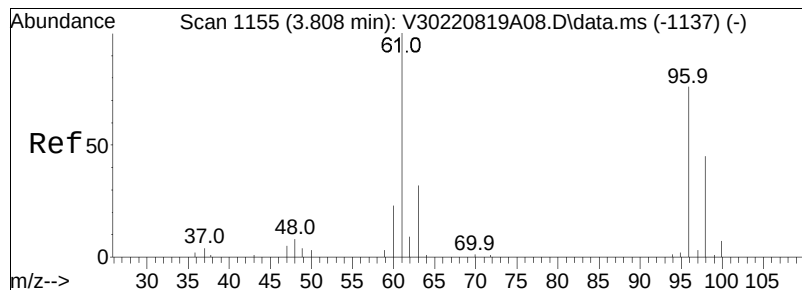




#27
 Vinyl acetate
 Concen: 7.45 ug/L
 RT: 3.493 min Scan# 1042
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

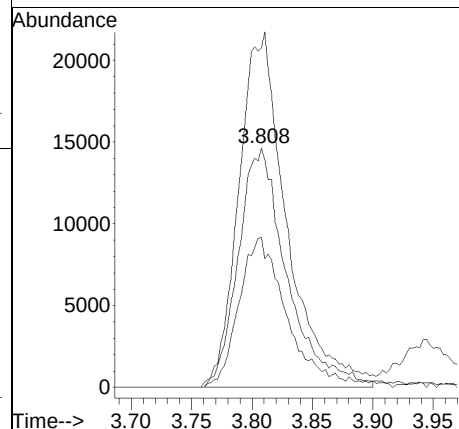
Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.2	7.8

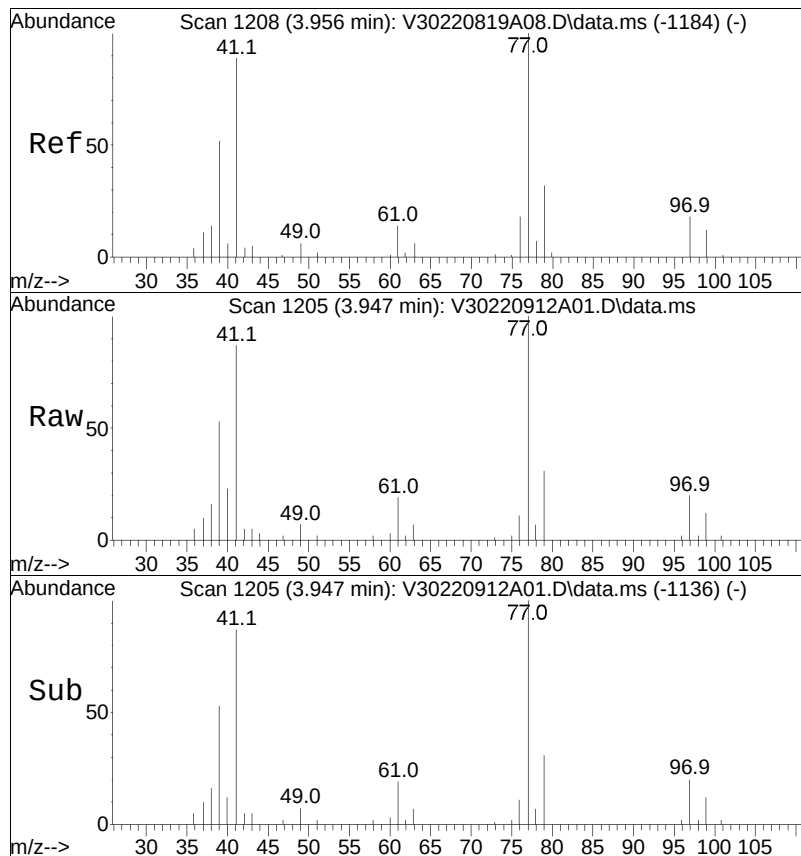




#28
 cis-1,2-Dichloroethene
 Concen: 9.58 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

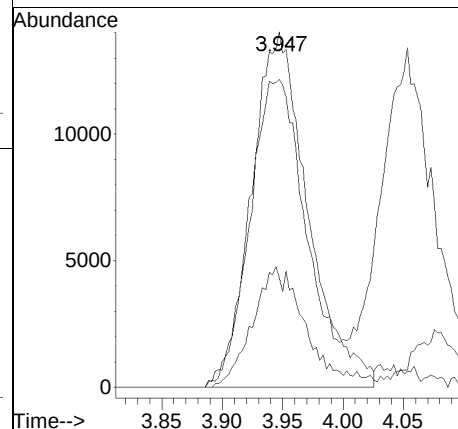
Tgt Ion:	96	Resp:	41003
Ion Ratio	Lower	Upper	
96	100		
61	146.8	149.4	224.2#
98	60.7	53.4	80.2

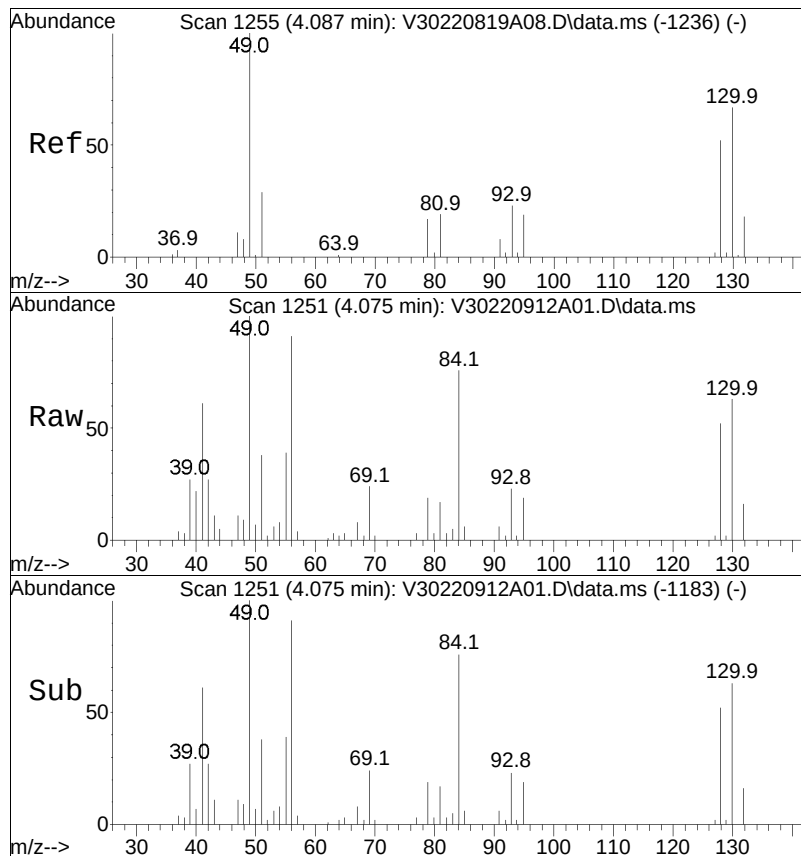




#29
 2,2-Dichloropropane
 Concen: 9.27 ug/L
 RT: 3.947 min Scan# 1205
 Delta R.T. -0.009 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

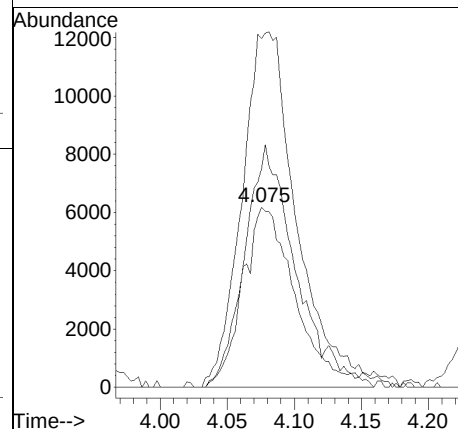
Tgt Ion	Ratio	Lower	Upper
77	100		
41	85.2	38.0	78.8#
79	17.8	20.5	42.5#

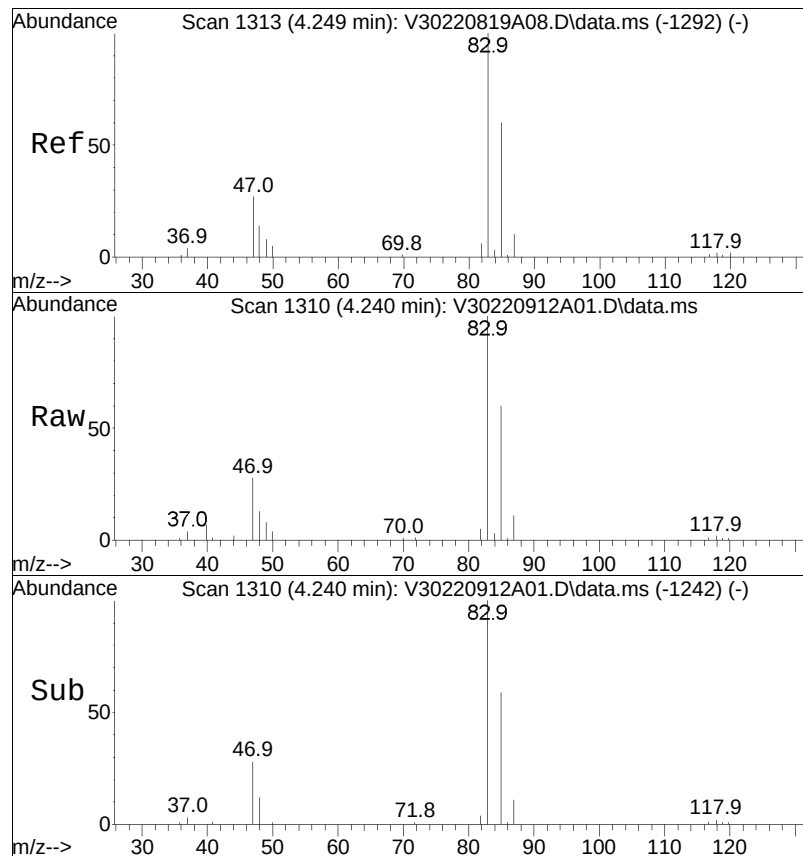




#30
 Bromochloromethane
 Concen: 9.15 ug/L
 RT: 4.075 min Scan# 1251
 Delta R.T. -0.012 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

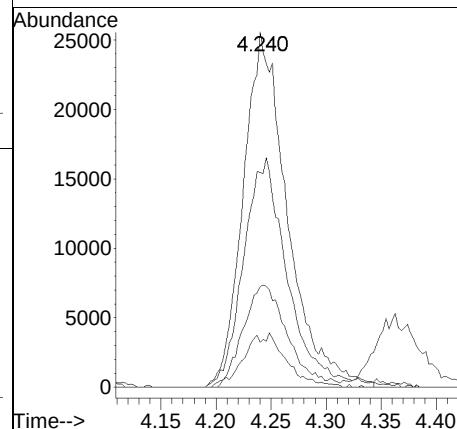
Tgt Ion:	128	Resp:	17027
Ion Ratio	Lower	Upper	
128	100		
49	203.9	223.0	334.4#
130	122.5	111.4	167.0

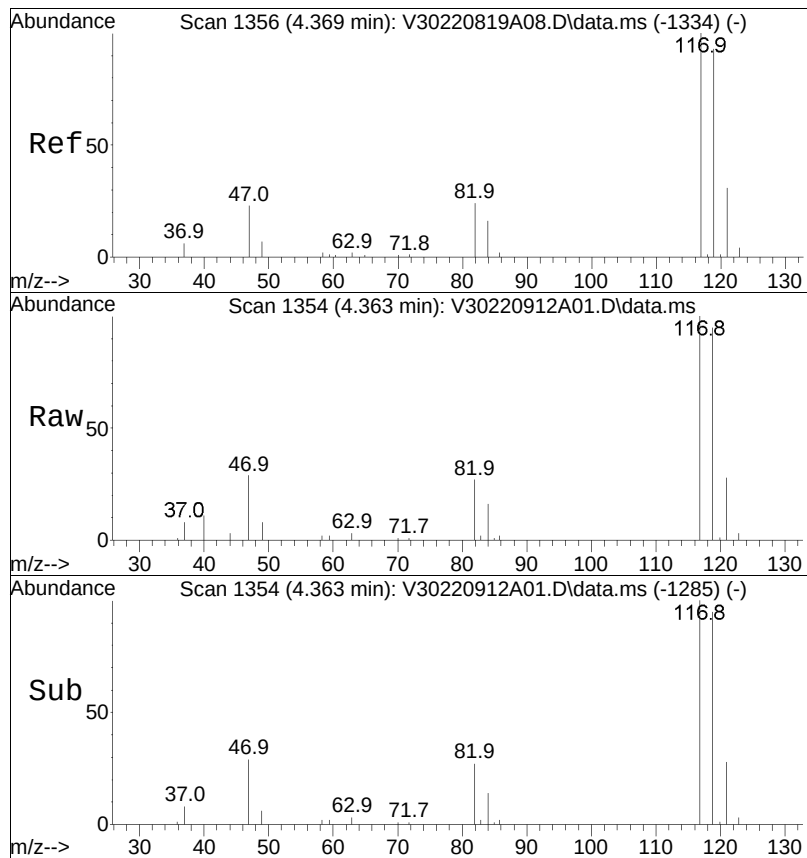




#32
 Chloroform
 Concen: 9.80 ug/L
 RT: 4.240 min Scan# 1310
 Delta R.T. -0.009 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

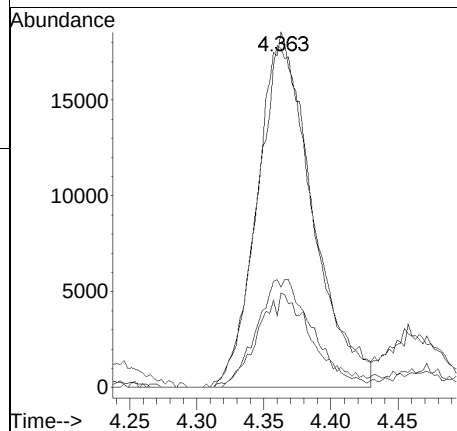
Tgt	Ion: 83	Resp:	71502
Ion	Ratio	Lower	Upper
83	100		
85	63.6	41.5	86.1
47	28.8	19.0	39.4
48	6.1	9.9	20.5#

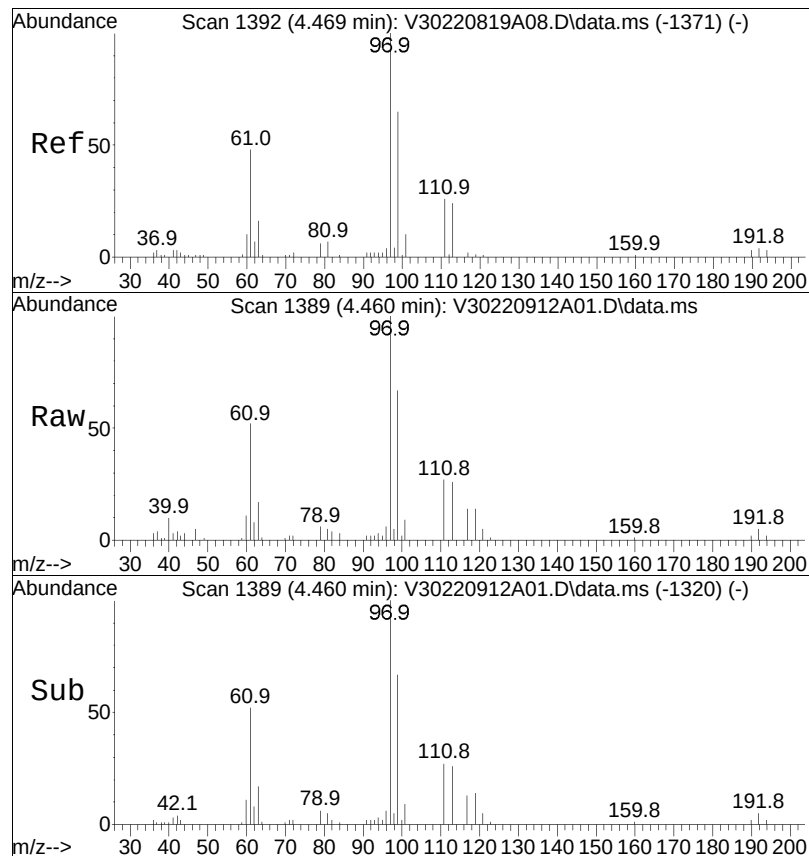




#34
 Carbon tetrachloride
 Concen: 10.25 ug/L
 RT: 4.363 min Scan# 1354
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

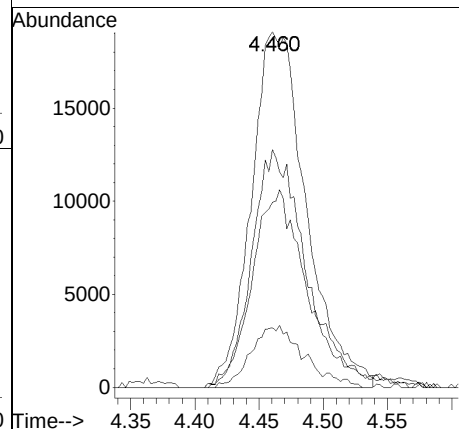
Tgt Ion:	117	Resp:	53116
Ion Ratio	Lower	Upper	
117	100		
119	97.3	62.4	129.6
121	14.0	19.5	40.5#
82	26.2	17.0	35.4

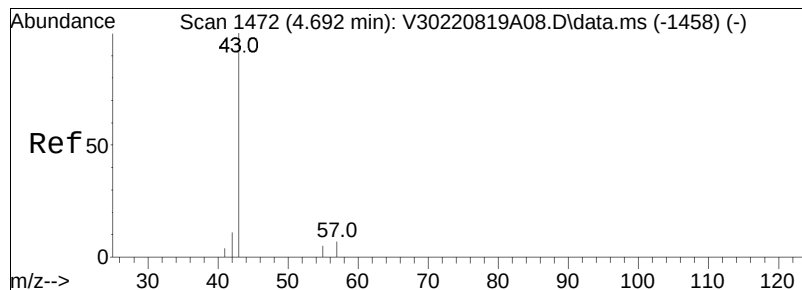




#37
 1,1,1-Trichloroethane
 Concen: 9.41 ug/L
 RT: 4.460 min Scan# 1389
 Delta R.T. -0.009 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

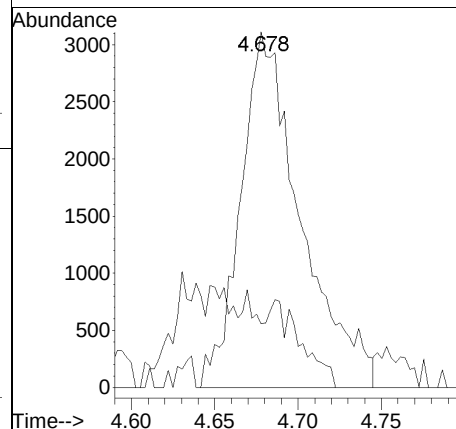
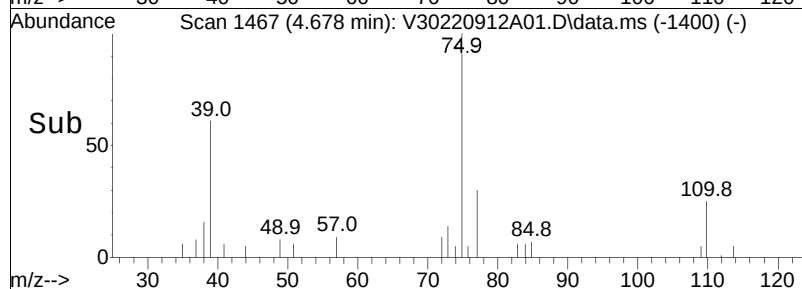
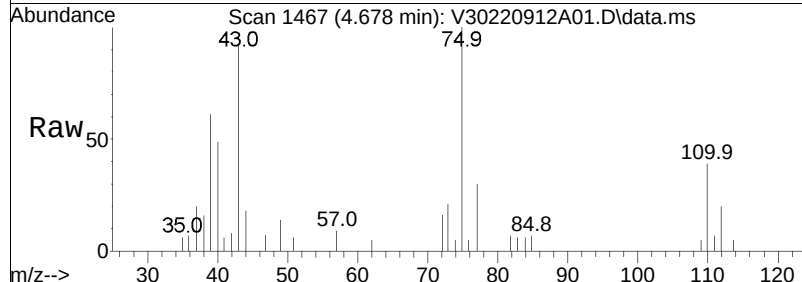
Tgt Ion:	97	Resp:	57085
Ion Ratio	Lower	Upper	
97	100		
99	64.9	40.7	84.5
61	56.3	35.4	73.4
63	15.5	5.0	10.4#

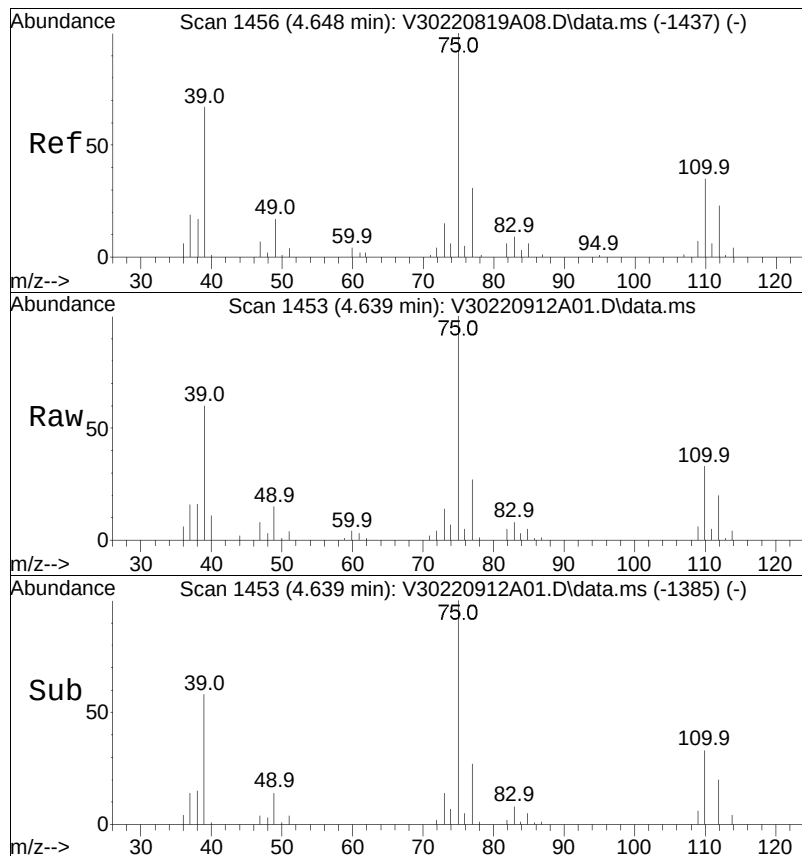




#39
 2-Butanone
 Concen: 8.55 ug/L
 RT: 4.678 min Scan# 1467
 Delta R.T. -0.014 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

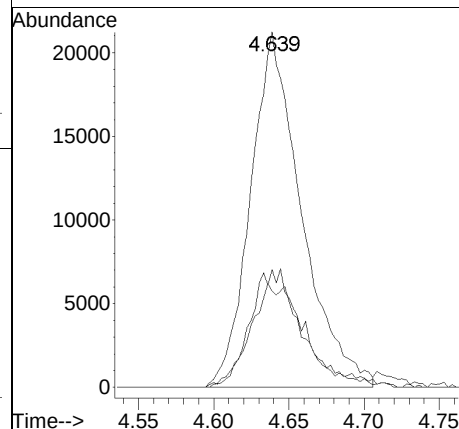
Tgt Ion: 43 Resp: 7802
 Ion Ratio Lower Upper
 43 100
 72 12.9 10.9 16.3

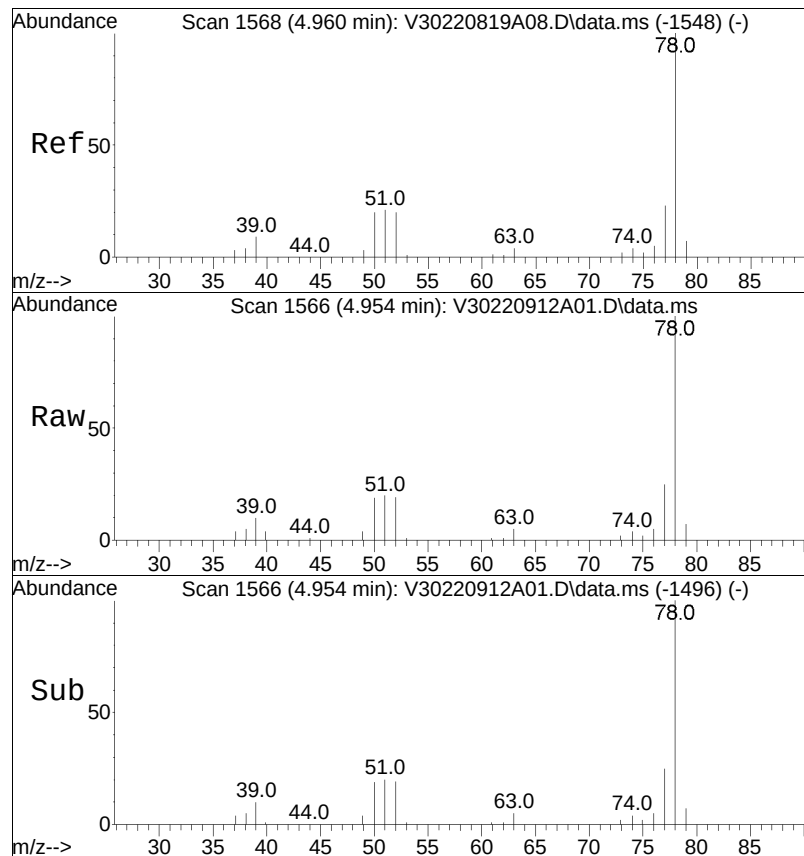




#40
 1,1-Dichloropropene
 Concen: 9.70 ug/L
 RT: 4.639 min Scan# 1453
 Delta R.T. -0.009 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

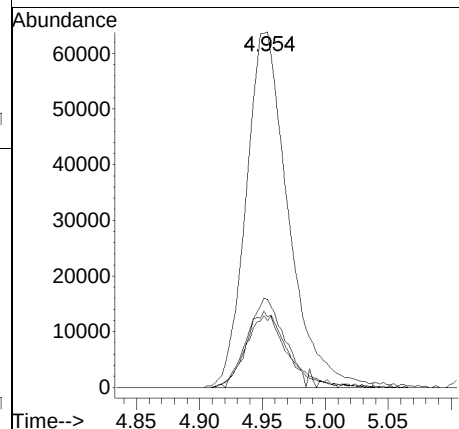
Tgt	Ion	Ratio	Resp	Lower	Upper
75	100		50055		
110	13.1	20.2		41.9#	
77	15.3	20.1		41.7#	

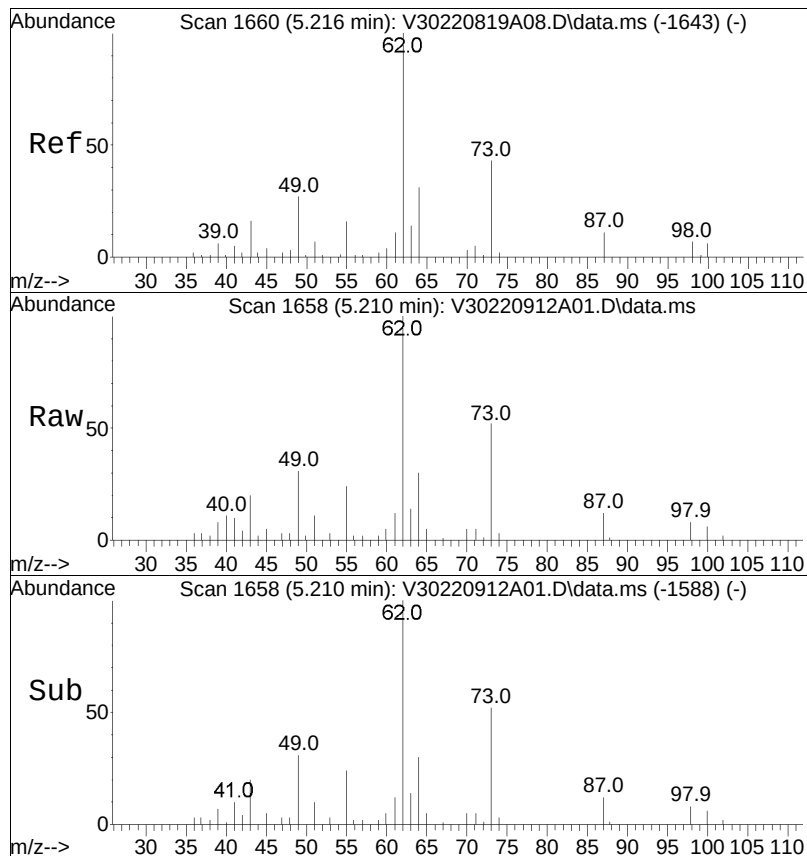




#41
Benzene
Concen: 9.70 ug/L
RT: 4.954 min Scan# 1566
Delta R.T. -0.006 min
Lab File: V30220912A01.D
Acq: 12 Sep 2022 06:54 am

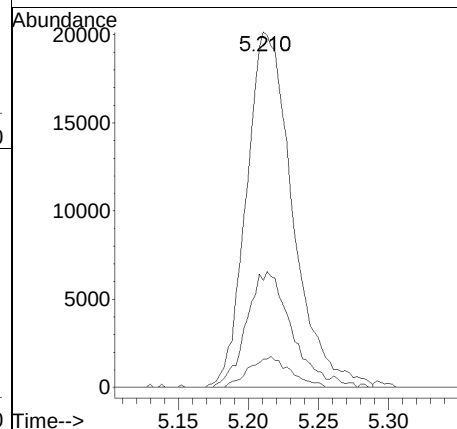
Tgt	Ion: 78	Resp:	148682
Ion	Ratio	Lower	Upper
78	100		
77	23.9	15.7	32.7
51	19.4	16.0	33.2
52	19.5	15.3	31.9

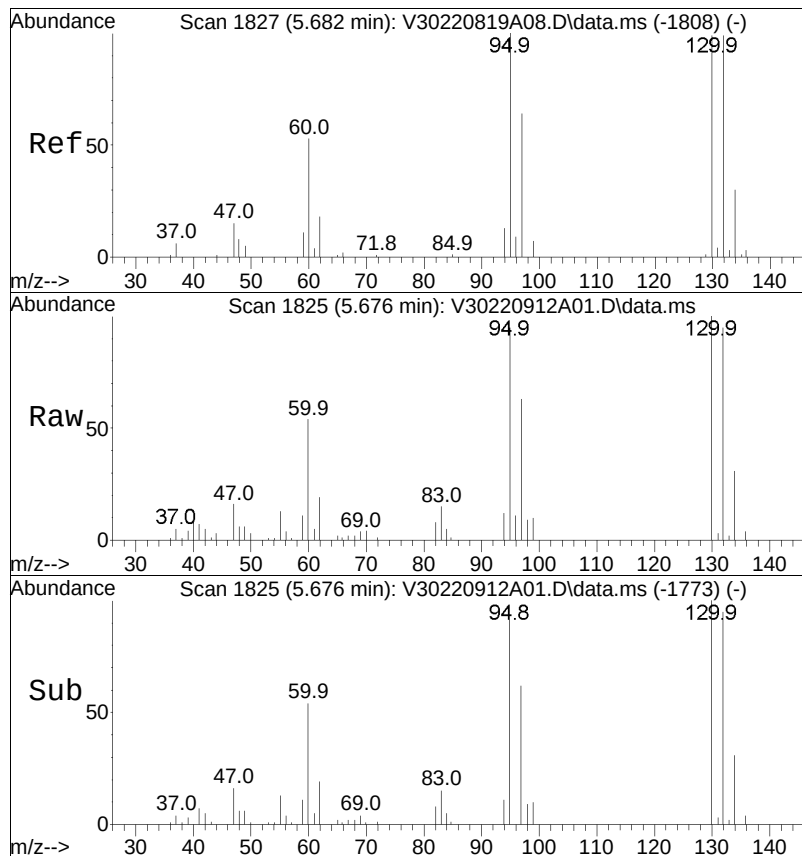




#44
 1,2-Dichloroethane
 Concen: 8.63 ug/L
 RT: 5.210 min Scan# 1658
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

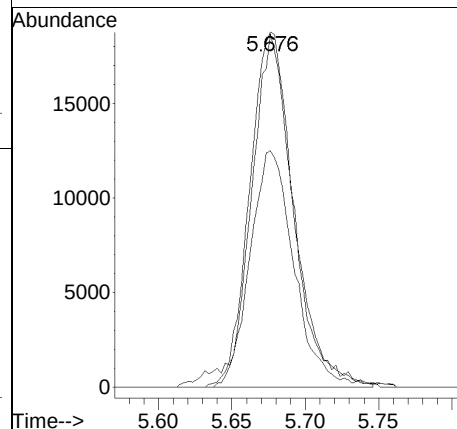
Tgt Ion:	62	Resp:	46322
Ion Ratio	Lower	Upper	
62	100		
64	31.2	11.2	51.2
98	7.8	0.0	26.1

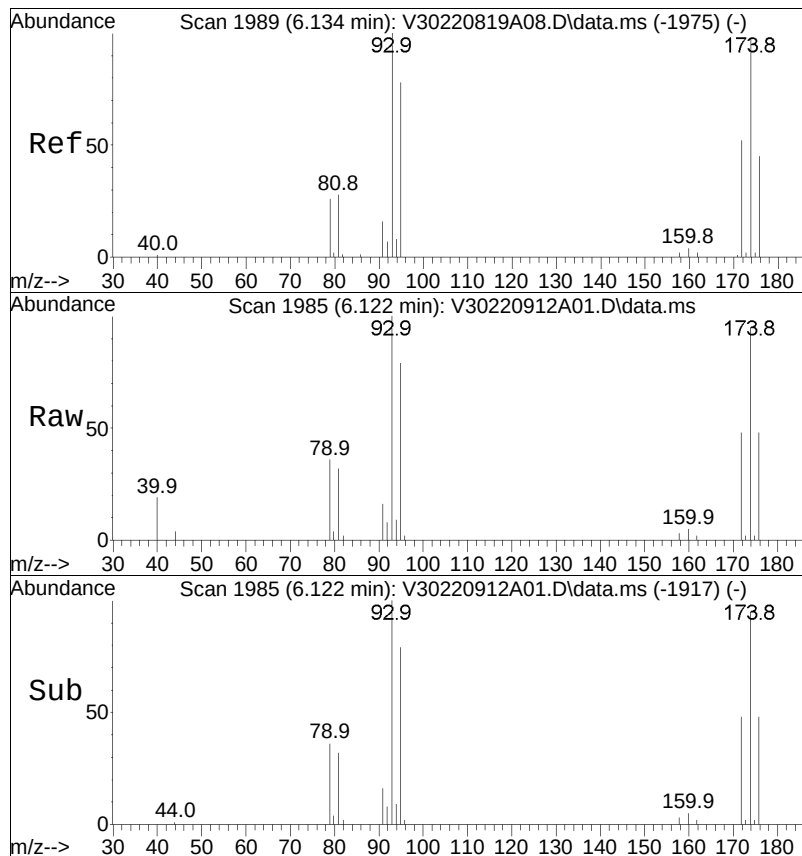




#48
 Trichloroethene
 Concen: 9.82 ug/L
 RT: 5.676 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

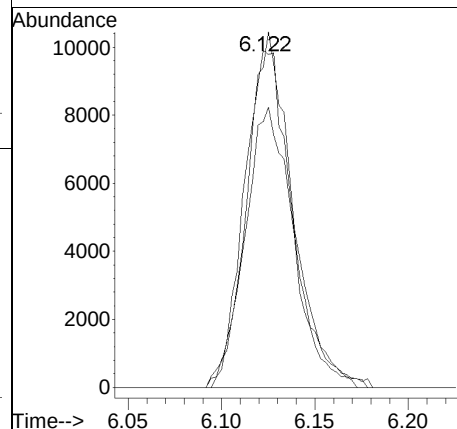
Tgt Ion:	95	Resp:	39178
Ion Ratio	Lower	Upper	
95	100		
97	69.7	55.5	83.3
132	94.4	76.6	115.0

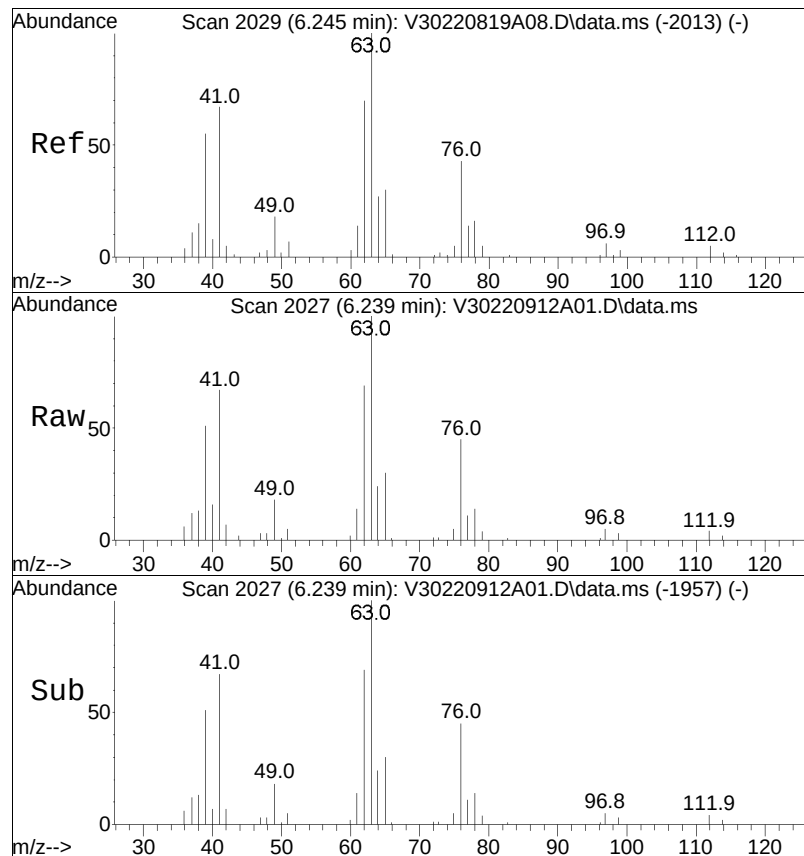




#50
 Dibromomethane
 Concen: 8.44 ug/L
 RT: 6.122 min Scan# 1985
 Delta R.T. -0.012 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

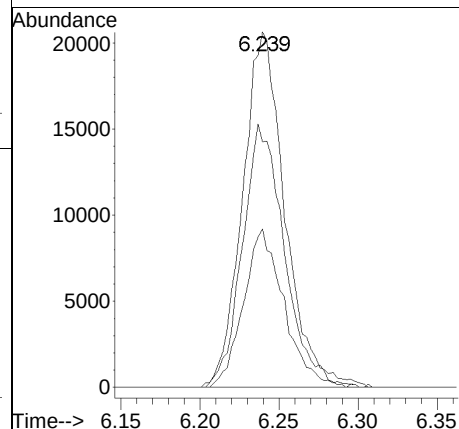
Tgt Ion:	93	Resp:	17940
Ion Ratio	Lower	Upper	
93	100		
95	82.6	67.0	100.4
174	99.6	75.0	112.4

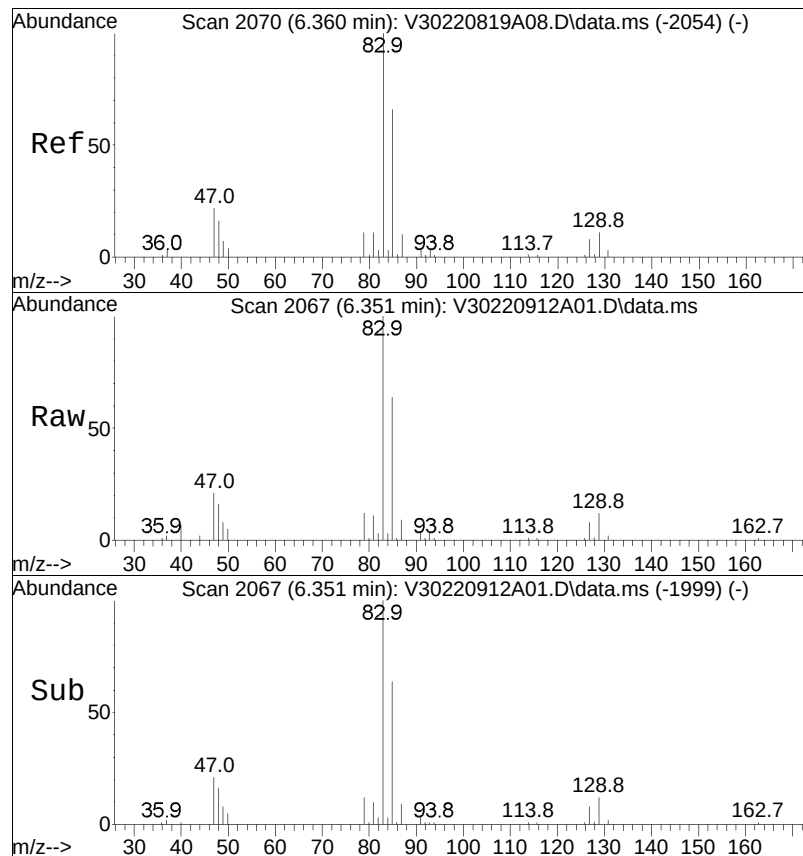




#51
 1,2-Dichloropropane
 Concen: 9.52 ug/L
 RT: 6.239 min Scan# 2027
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

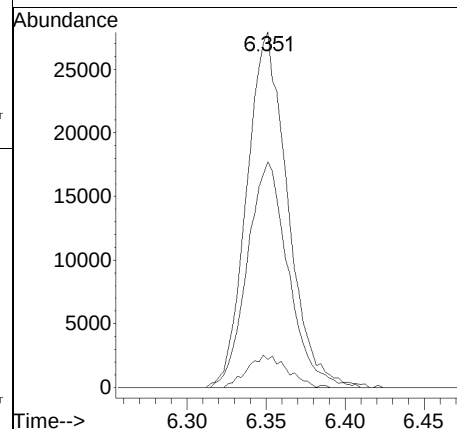
Tgt Ion:	63	Resp:	38506
Ion Ratio	Lower	Upper	
63	100		
62	73.5	58.6	87.8
76	42.7	38.0	57.0

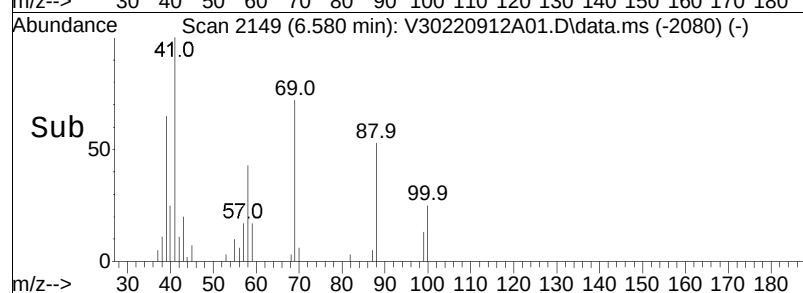
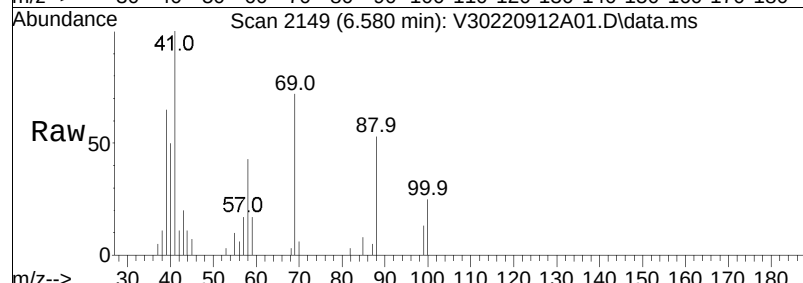
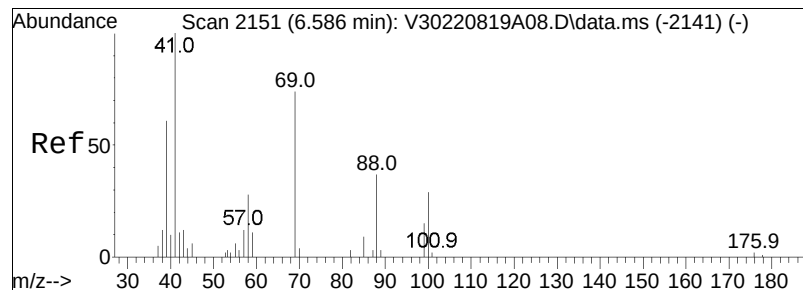




#54
 Bromodichloromethane
 Concen: 9.19 ug/L
 RT: 6.351 min Scan# 2067
 Delta R.T. -0.009 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

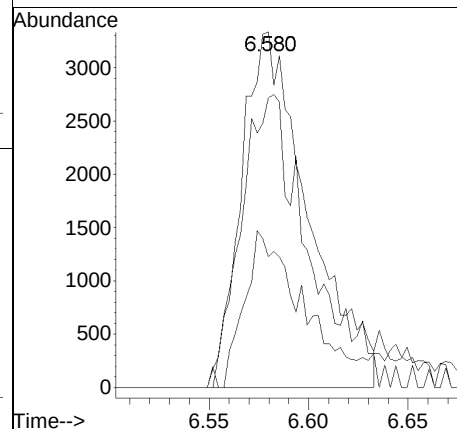
Tgt Ion:	83	Resp:	50260
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.3	78.5
127	8.7	6.2	9.4

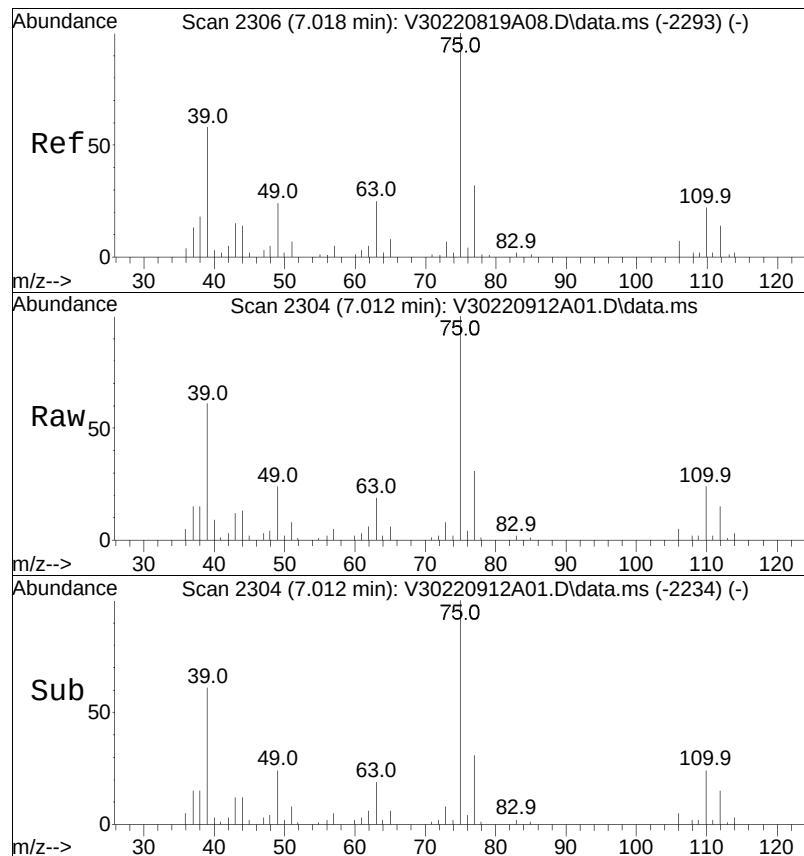




#57
 1,4-Dioxane
 Concen: 582.89 ug/L
 RT: 6.580 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

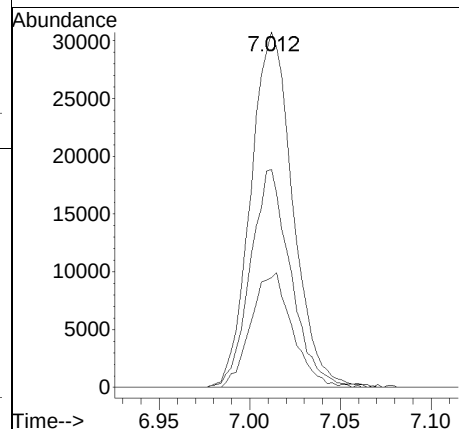
Tgt Ion:	88	Resp:	7806
Ion Ratio	Lower	Upper	
88	100		
58	83.2	76.7	115.1
43	38.4	36.2	54.2

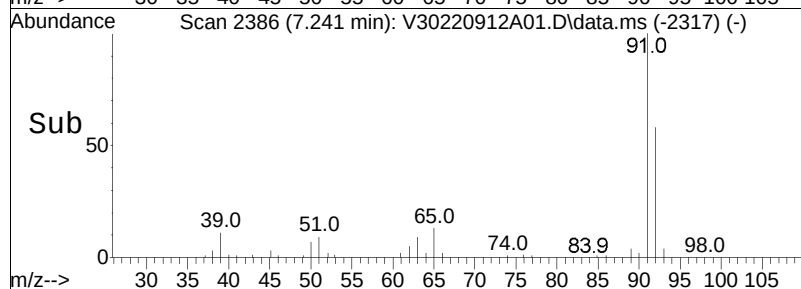
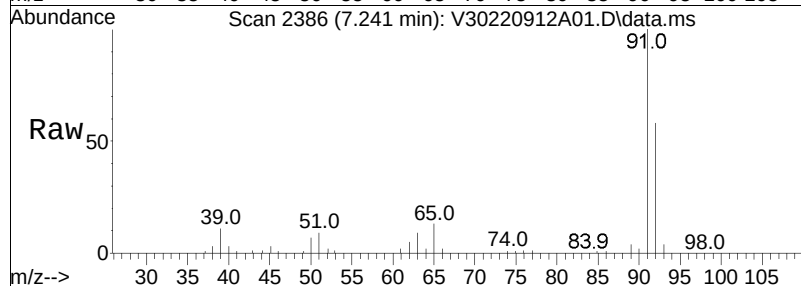
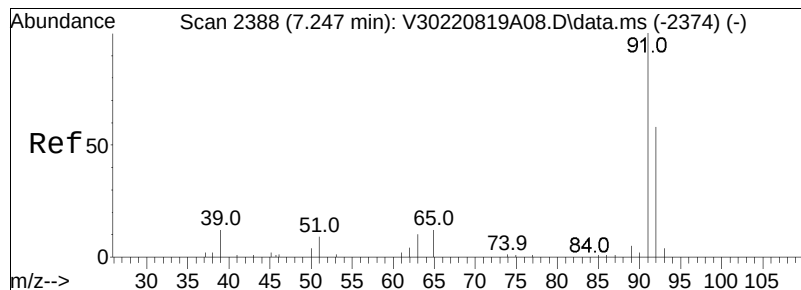




#58
 cis-1,3-Dichloropropene
 Concen: 9.17 ug/L
 RT: 7.012 min Scan# 2304
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

Tgt Ion:	75	Resp:	49878
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.0	37.4
39	58.7	50.1	75.1





#61

Toluene

Concen: 10.08 ug/L

RT: 7.241 min Scan# 2386

Delta R.T. -0.006 min

Lab File: V30220912A01.D

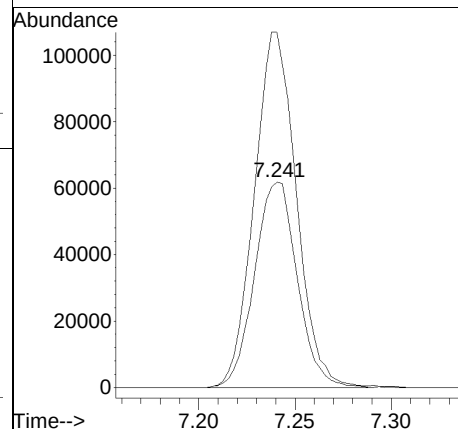
Acq: 12 Sep 2022 06:54 am

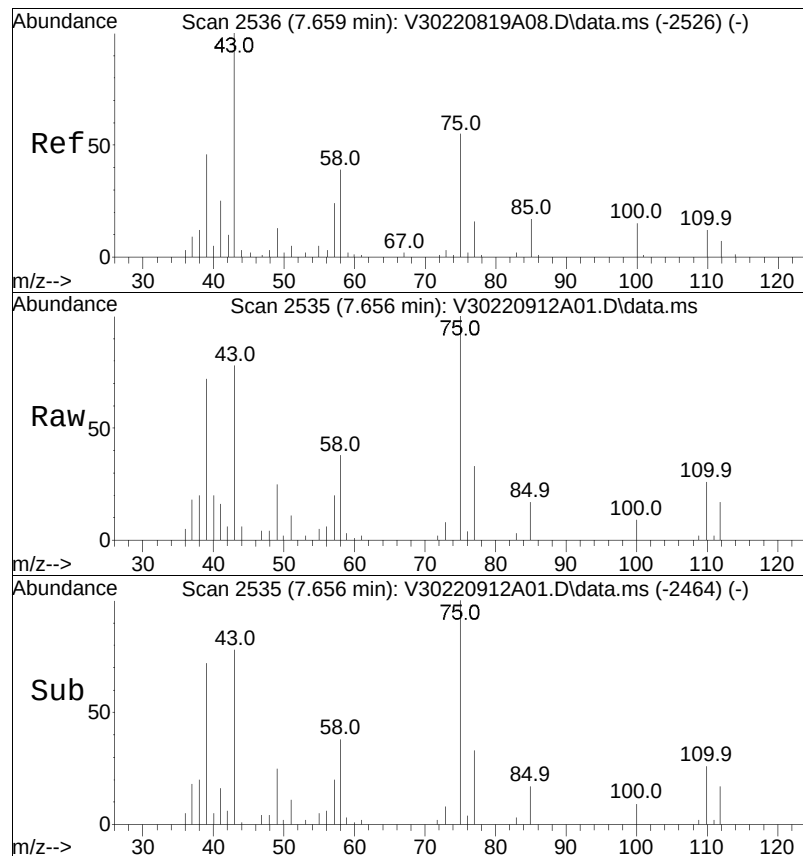
Tgt Ion: 92 Resp: 95201

Ion Ratio Lower Upper

92 100

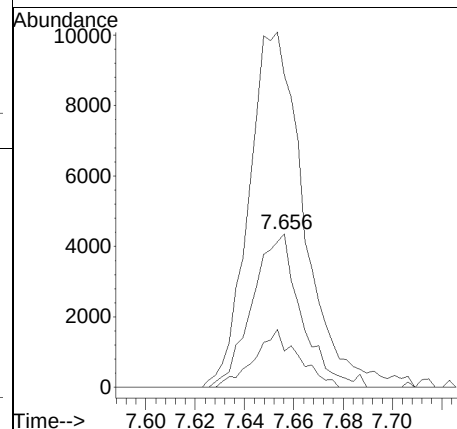
91 170.2 139.8 209.6

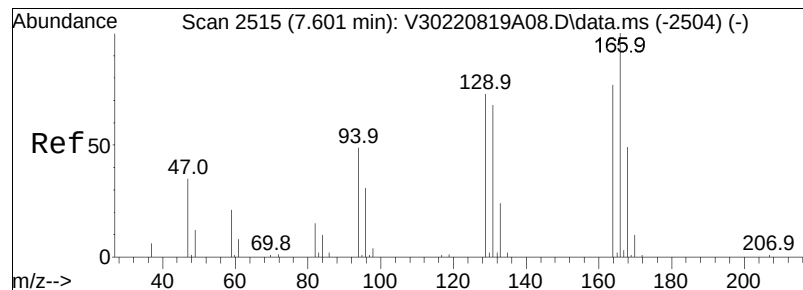




#62
 4-Methyl-2-pentanone
 Concen: 7.26 ug/L
 RT: 7.656 min Scan# 2535
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

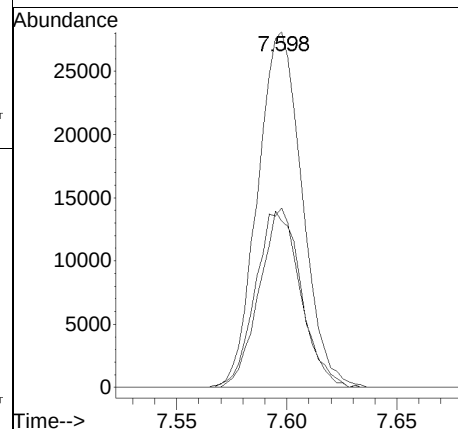
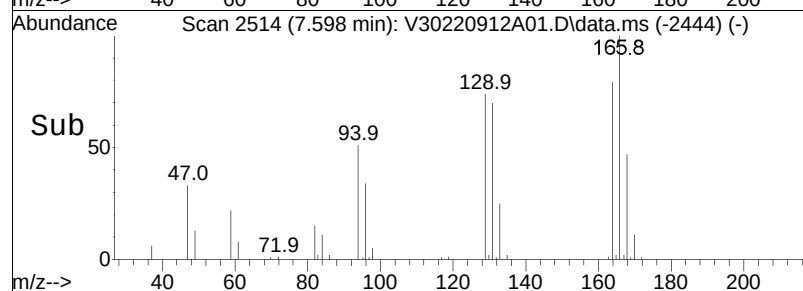
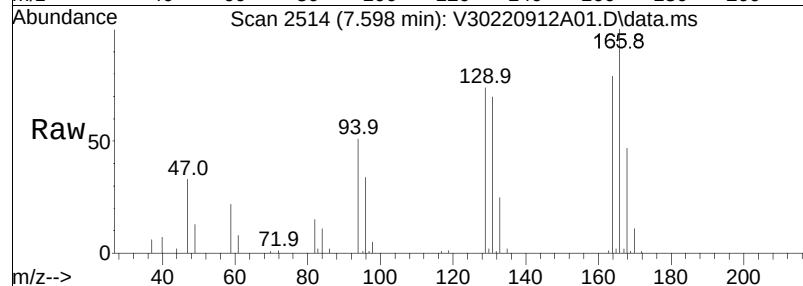
Tgt Ion:	58	Resp:	6060
Ion Ratio	Lower	Upper	
58	100		
100	33.7	20.2	30.2#
43	258.9	196.6	295.0

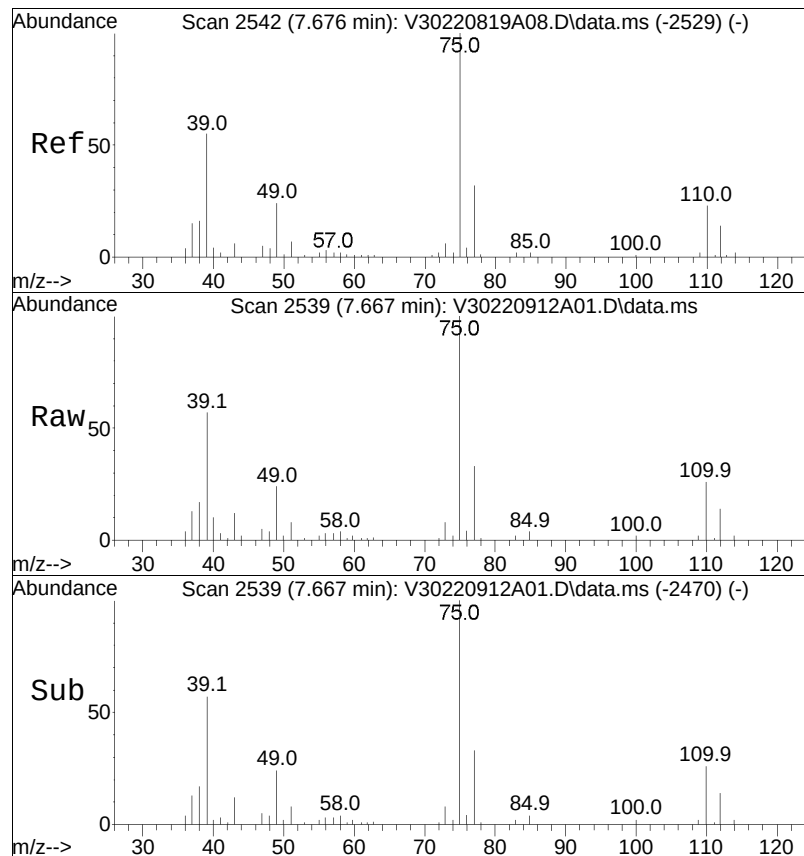




#63
Tetrachloroethene
Concen: 9.91 ug/L
RT: 7.598 min Scan# 2514
Delta R.T. -0.003 min
Lab File: V30220912A01.D
Acq: 12 Sep 2022 06:54 am

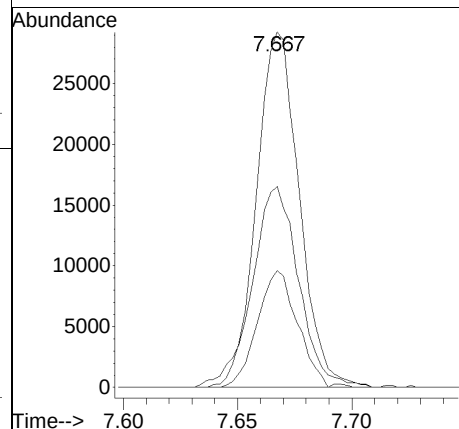
Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.5	28.2	68.2
94	50.4	38.4	78.4

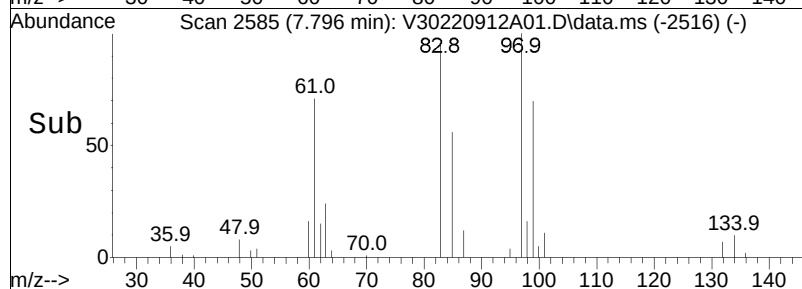
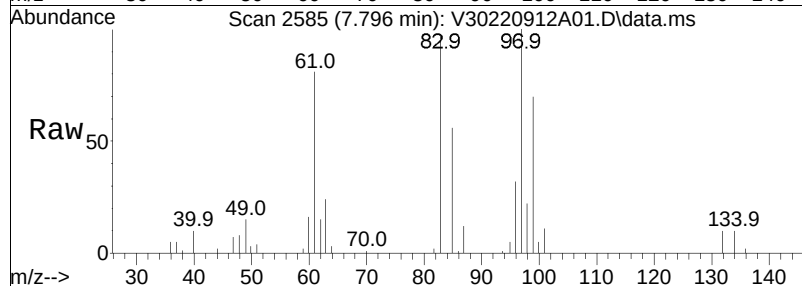
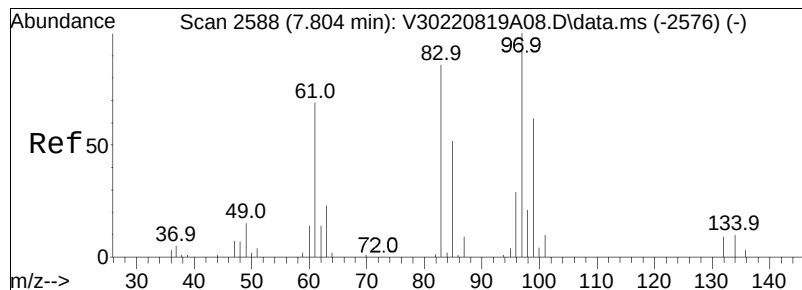




#65
trans-1,3-Dichloropropene
Concen: 9.32 ug/L
RT: 7.667 min Scan# 2539
Delta R.T. -0.009 min
Lab File: V30220912A01.D
Acq: 12 Sep 2022 06:54 am

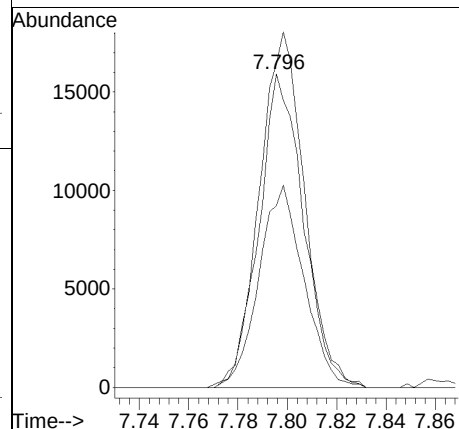
Tgt Ion:	75	Resp:	38014
Ion Ratio	Lower	Upper	
75	100		
77	31.1	12.4	52.4
39	61.9	42.8	82.8

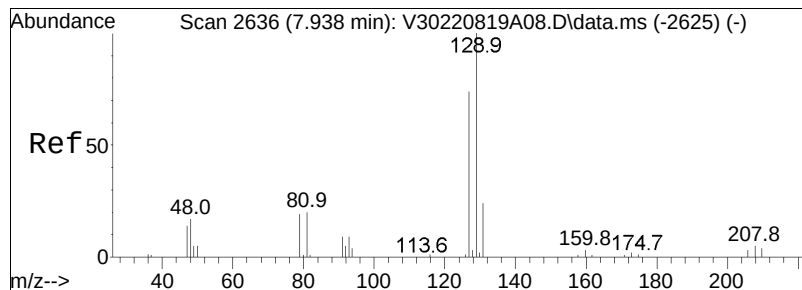




#68
 1,1,2-Trichloroethane
 Concen: 8.69 ug/L
 RT: 7.796 min Scan# 2585
 Delta R.T. -0.008 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

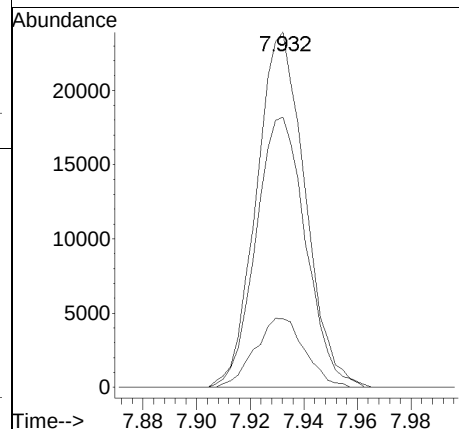
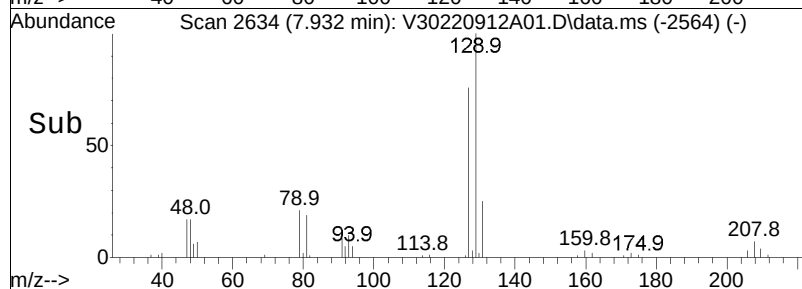
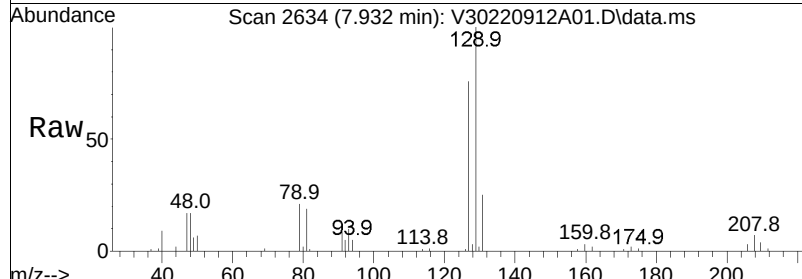
Tgt Ion:	83	Resp:	19947
Ion Ratio	Lower	Upper	
83	100		
97	114.9	89.8	129.8
85	65.2	44.4	84.4

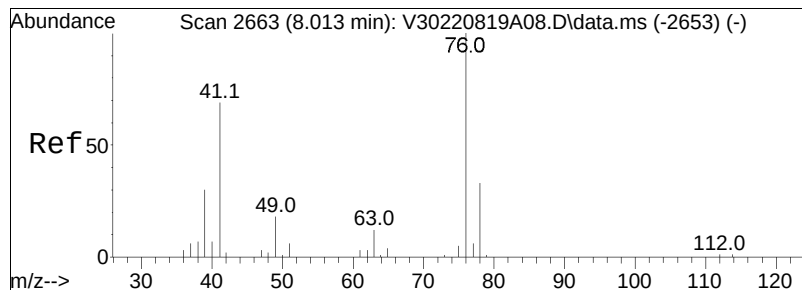




#69
 Chlorodibromomethane
 Concen: 8.89 ug/L
 RT: 7.932 min Scan# 2634
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

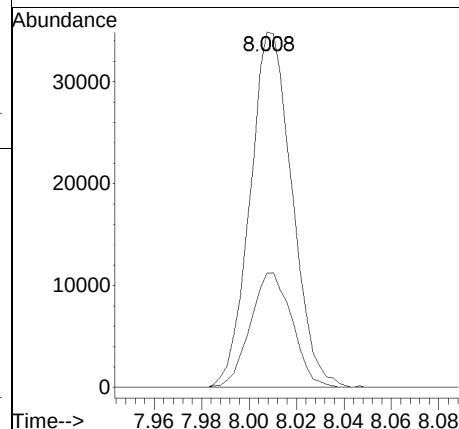
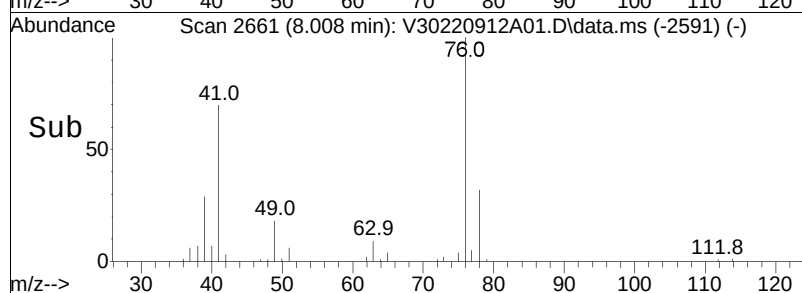
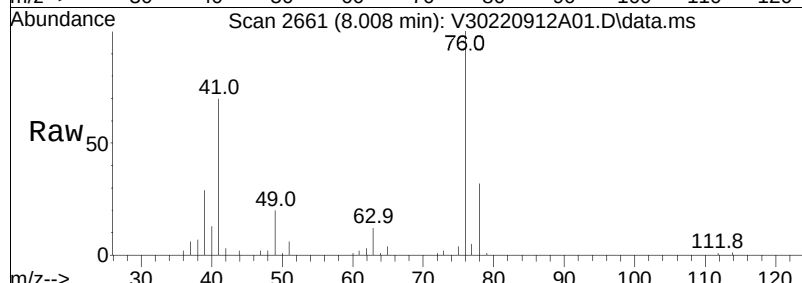
Tgt Ion	Ratio	Resp	Lower	Upper
129	100	30134		
81	20.0		2.9	42.9
127	78.3		57.8	97.8

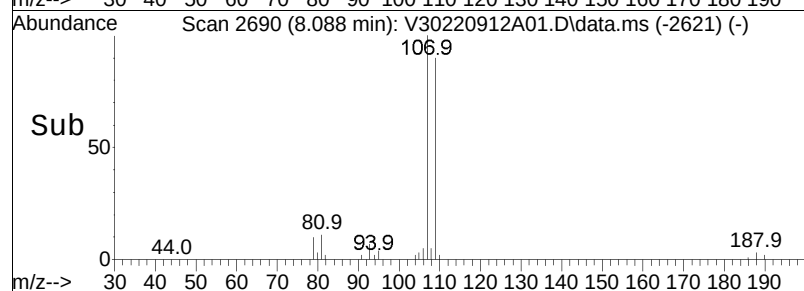
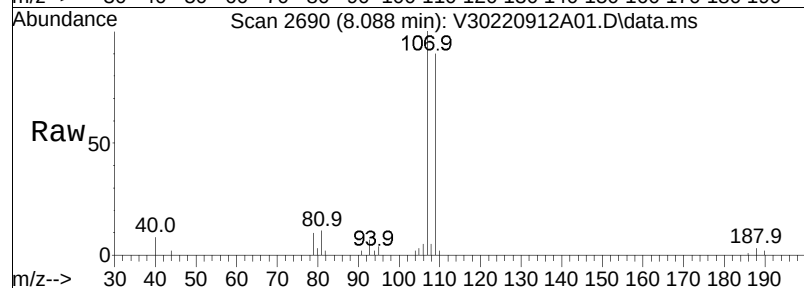
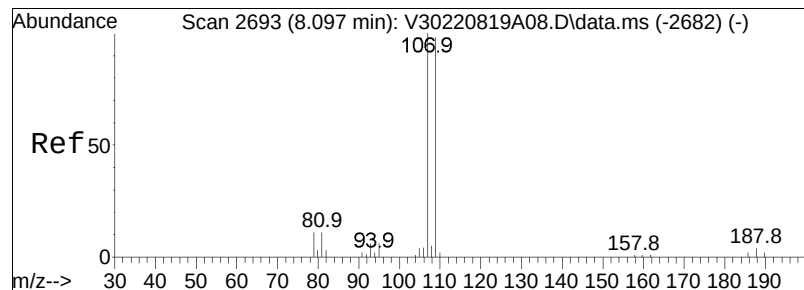




#70
 1,3-Dichloropropane
 Concen: 8.86 ug/L
 RT: 8.008 min Scan# 2661
 Delta R.T. -0.005 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

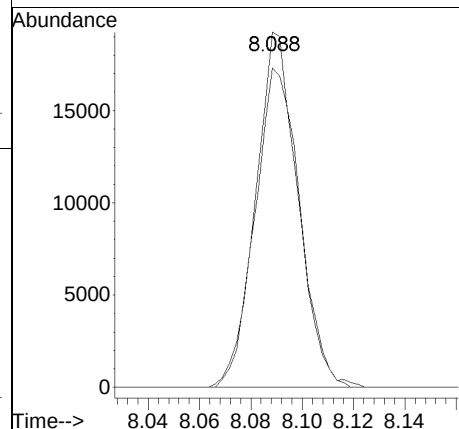
Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

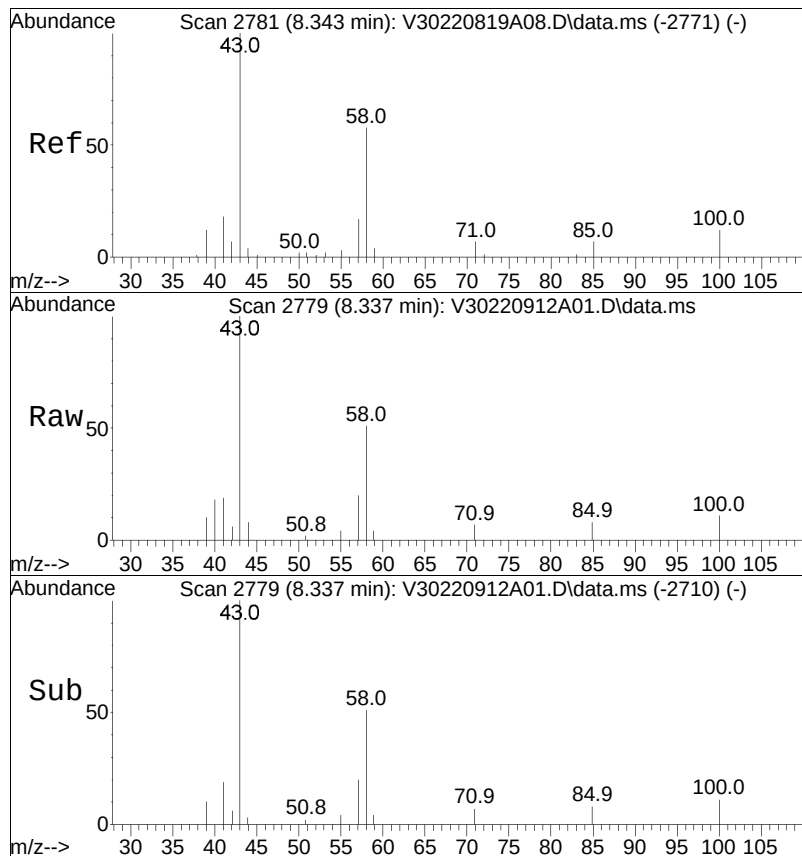




#71
 1,2-Dibromoethane
 Concen: 8.61 ug/L
 RT: 8.088 min Scan# 2690
 Delta R.T. -0.009 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

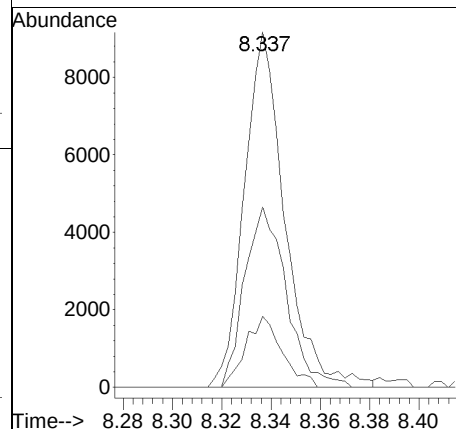
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5

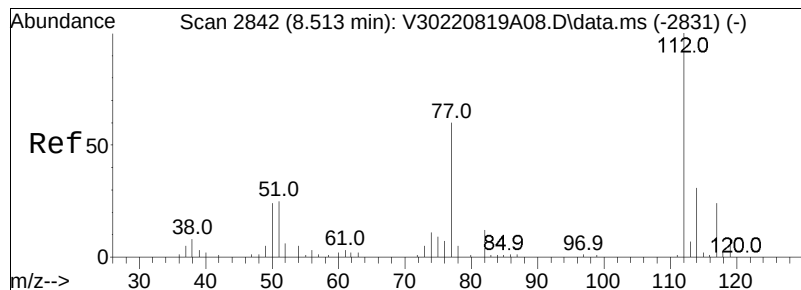




#72
 2-Hexanone
 Concen: 7.19 ug/L
 RT: 8.337 min Scan# 2779
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

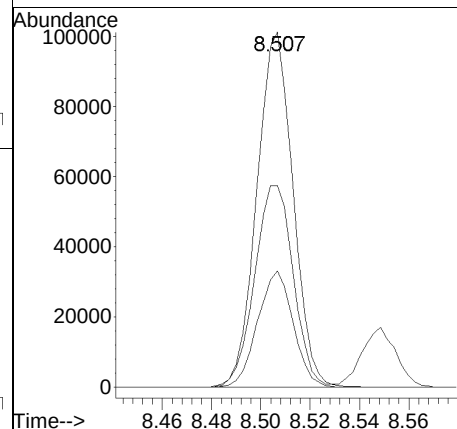
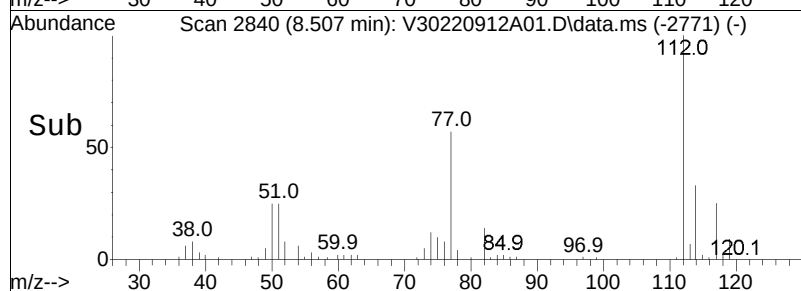
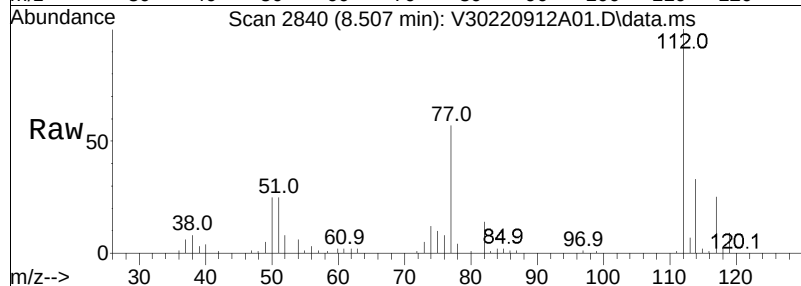
Tgt Ion:	43	Resp:	10519
Ion Ratio	Lower	Upper	
43	100		
58	52.1	41.2	61.8
57	17.9	17.2	25.8

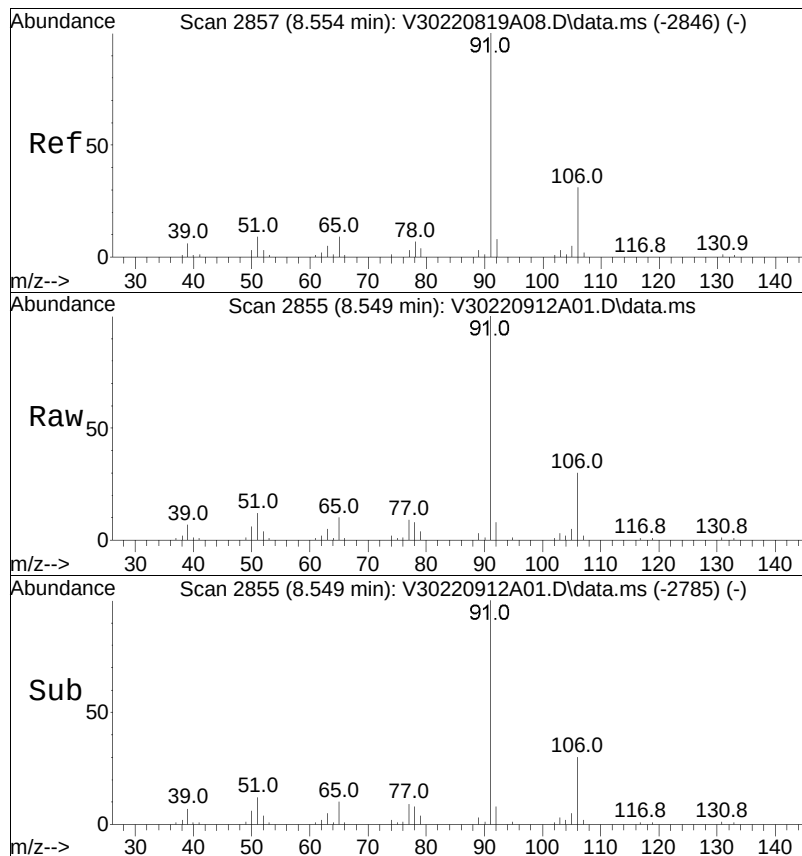




#73
 Chlorobenzene
 Concen: 9.88 ug/L
 RT: 8.507 min Scan# 2840
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

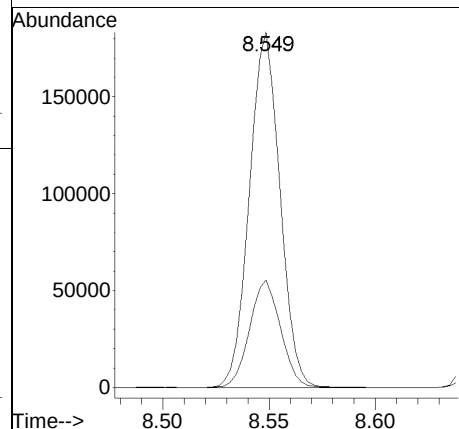
Tgt	Ion:112	Resp:	103012
Ion	Ratio	Lower	Upper
112	100		
77	61.0	55.4	83.0
114	32.3	25.4	38.2

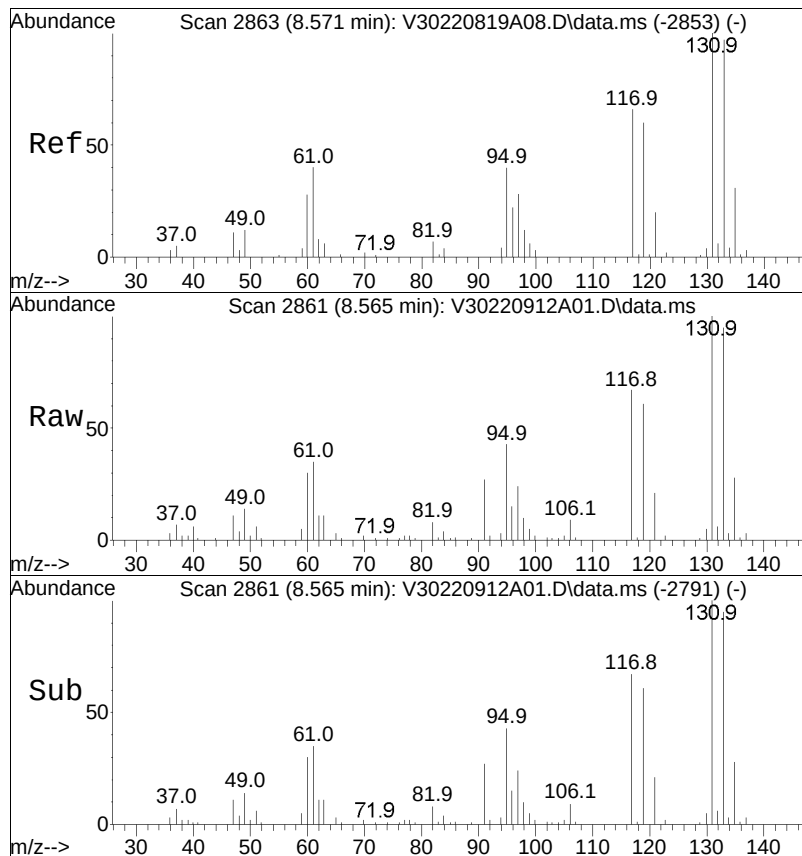




#74
 Ethylbenzene
 Concen: 9.95 ug/L
 RT: 8.549 min Scan# 2855
 Delta R.T. -0.005 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

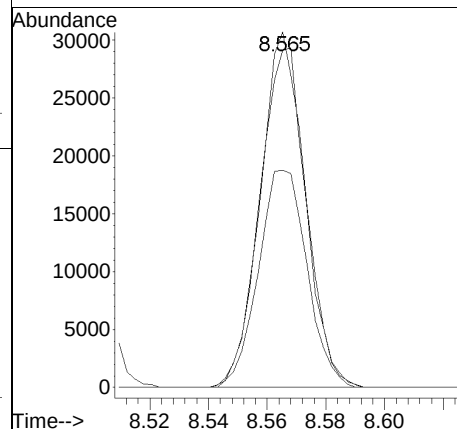
Tgt	Ion	Resp	Lower	Upper
91	100	182937		
106	30.5	24.3	36.5	

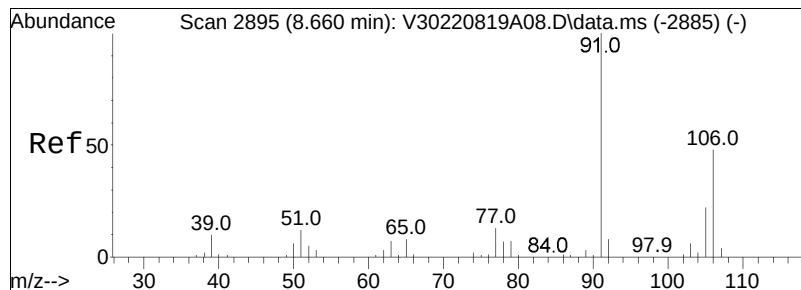




#75
 1,1,1,2-Tetrachloroethane
 Concen: 9.41 ug/L
 RT: 8.565 min Scan# 2861
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

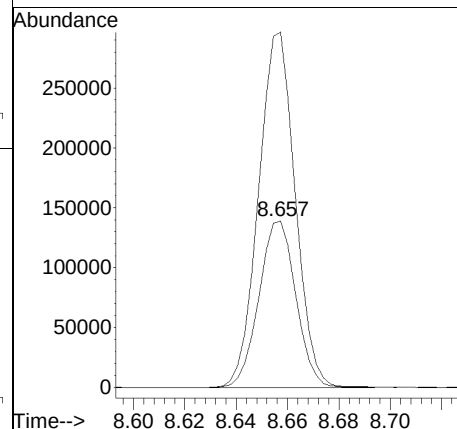
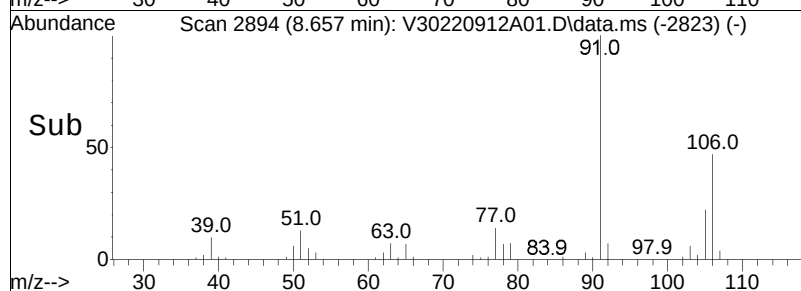
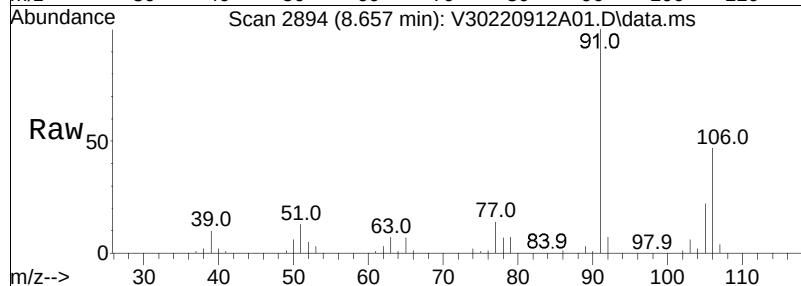
Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.8	81.0	121.0
119	65.8	41.3	81.3

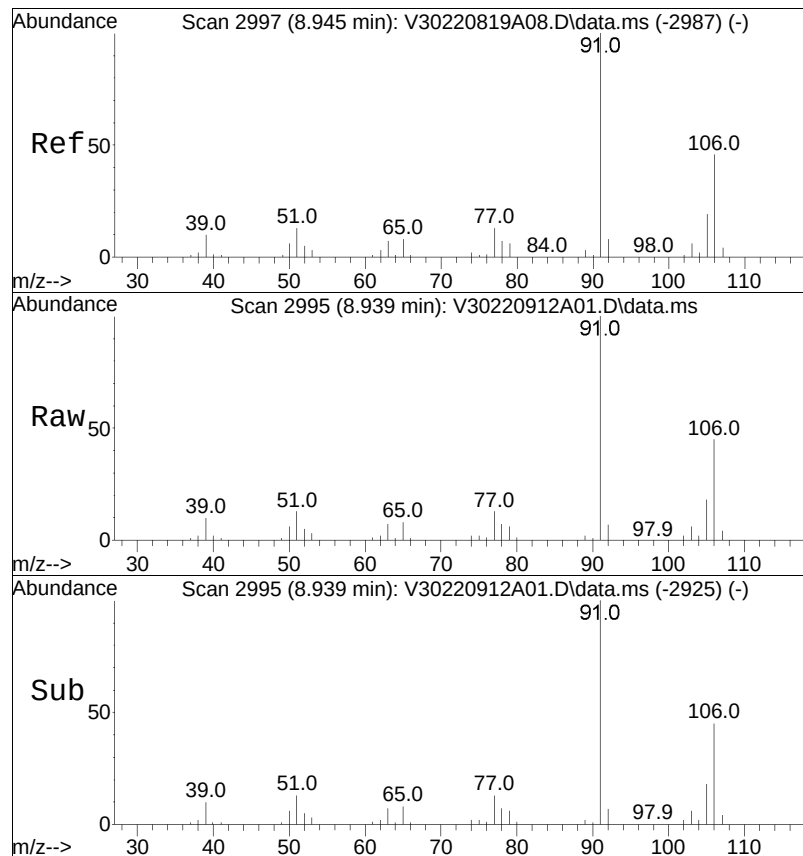




#76
 p/m Xylene
 Concen: 20.24 ug/L
 RT: 8.657 min Scan# 2894
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

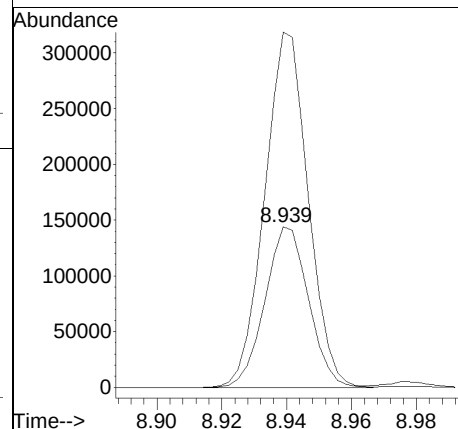
Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.9	166.4	249.6

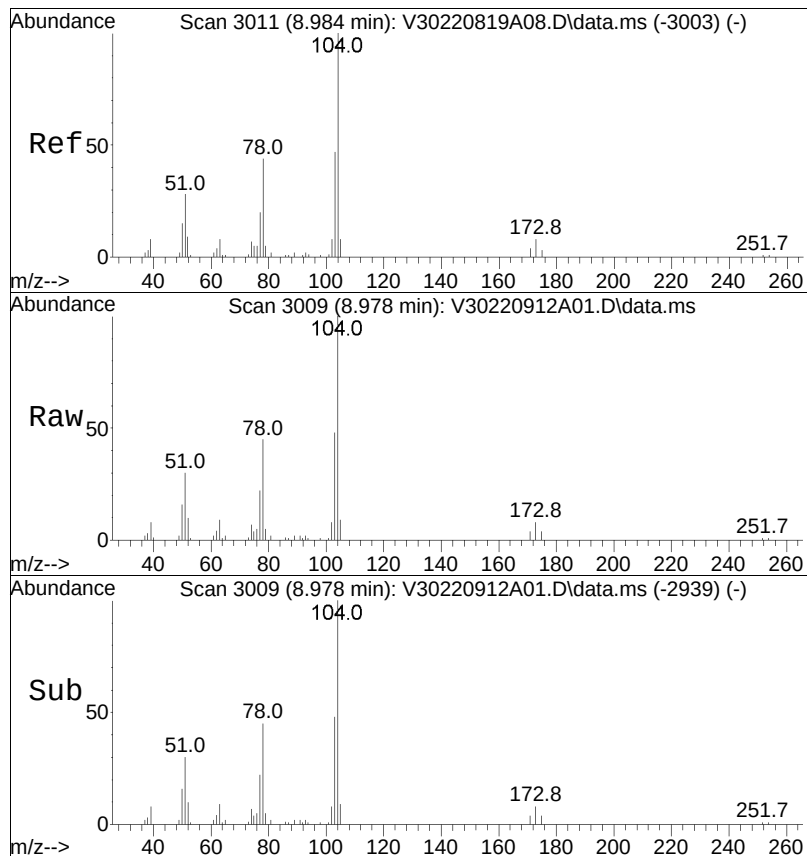




#77
 o Xylene
 Concen: 20.09 ug/L
 RT: 8.939 min Scan# 2995
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

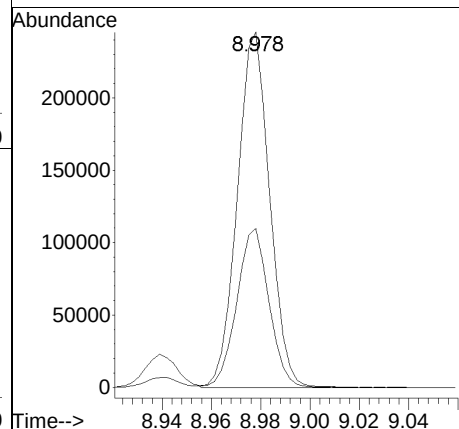
Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	220.5	182.6	273.8	

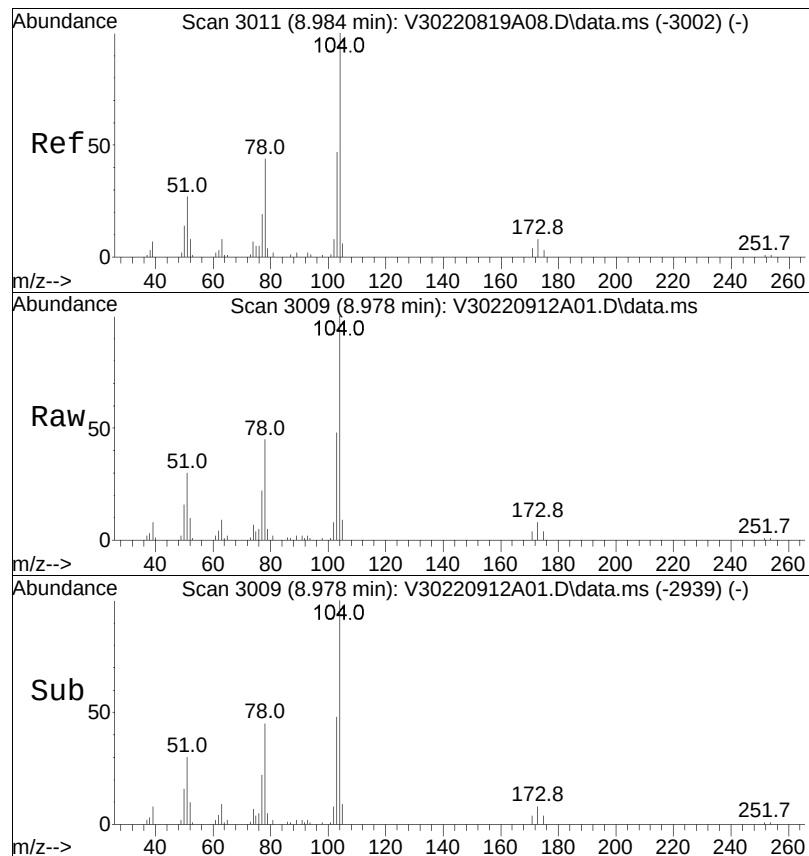




#78
 Styrene
 Concen: 20.69 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

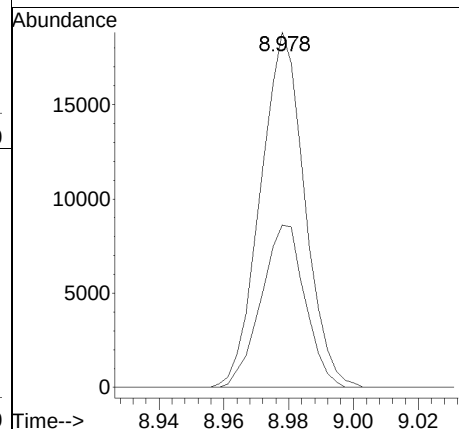
Tgt Ion	104	Ratio	Lower	Upper
104	100			
78	44.6	39.8	59.6	

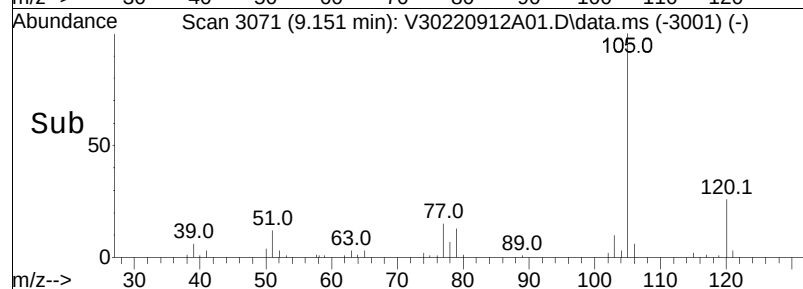
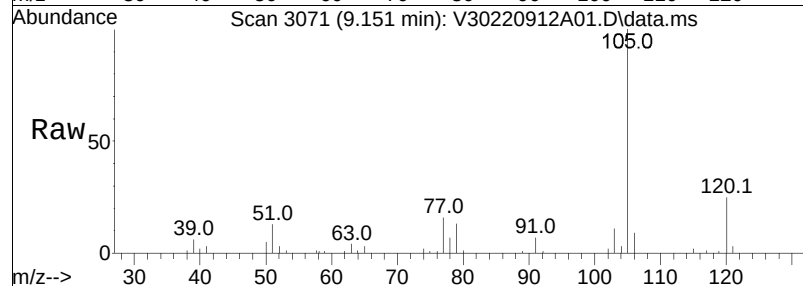
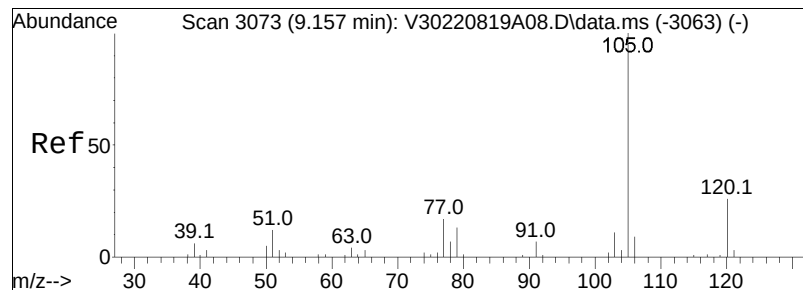




#80
 Bromoform
 Concen: 9.11 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.5	31.5	71.5





#82

Isopropylbenzene

Concen: 10.12 ug/L

RT: 9.151 min Scan# 3071

Delta R.T. -0.006 min

Lab File: V30220912A01.D

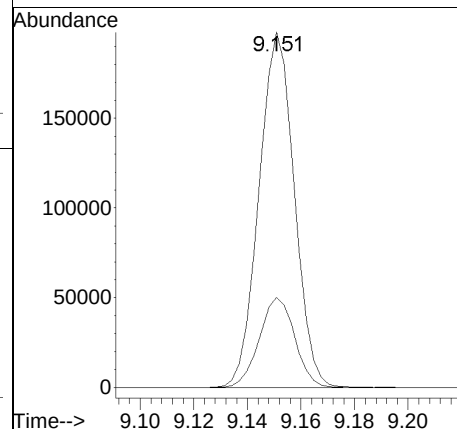
Acq: 12 Sep 2022 06:54 am

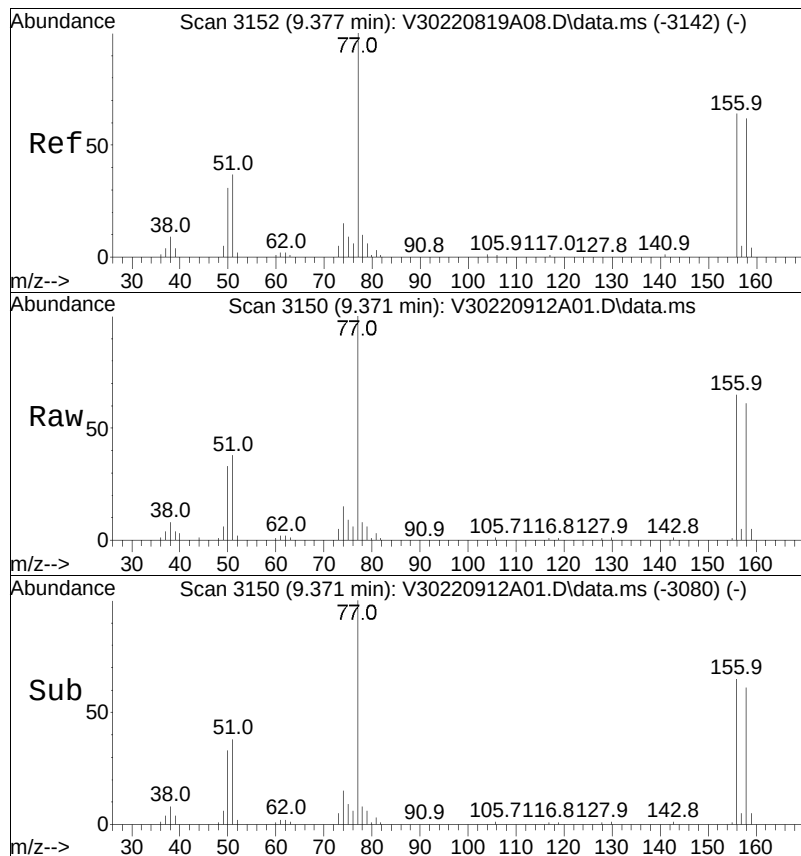
Tgt Ion:105 Resp: 181250

Ion Ratio Lower Upper

105 100

120 25.3 4.8 44.8





#84

Bromobenzene

Concen: 9.10 ug/L

RT: 9.371 min Scan# 3150

Delta R.T. -0.006 min

Lab File: V30220912A01.D

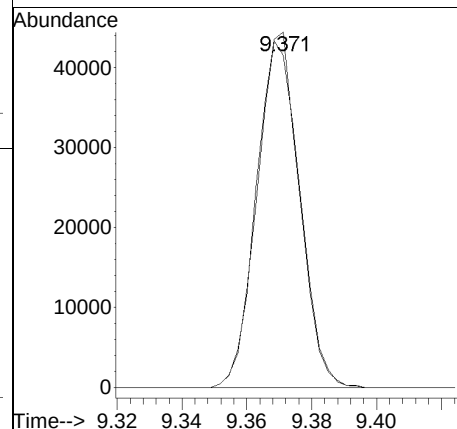
Acq: 12 Sep 2022 06:54 am

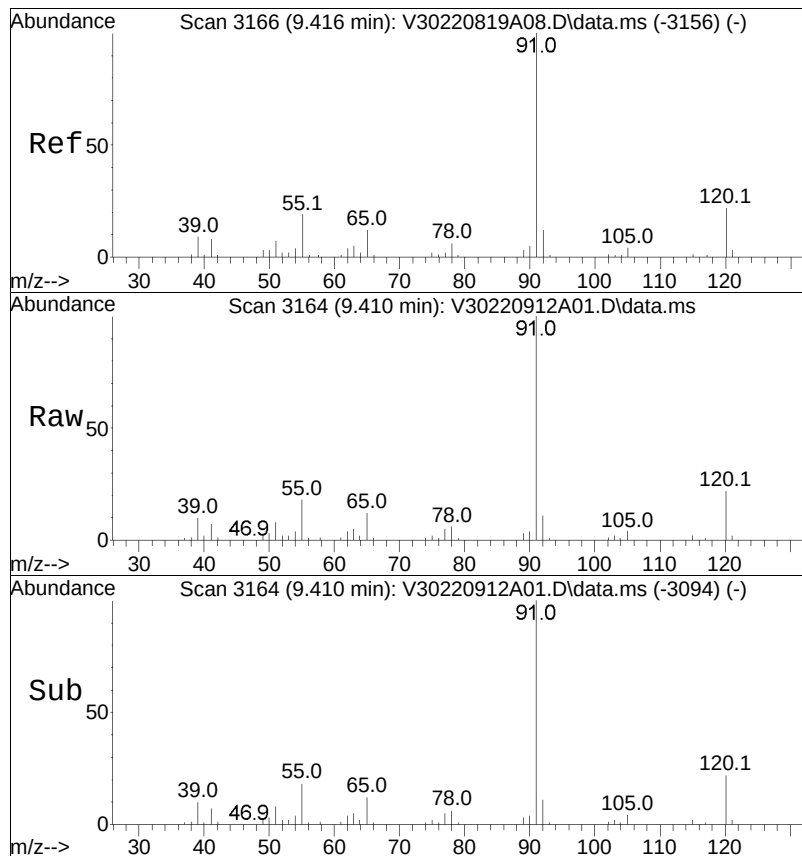
Tgt Ion:156 Resp: 40451

Ion Ratio Lower Upper

156 100

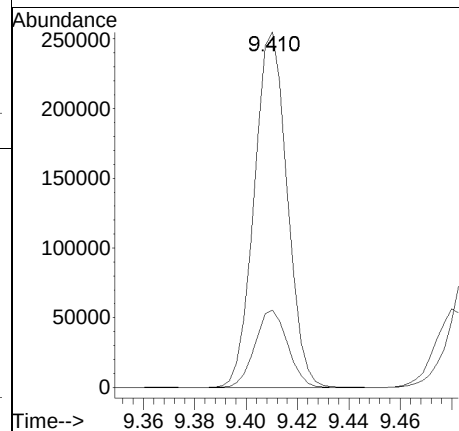
158 98.8 75.9 113.9

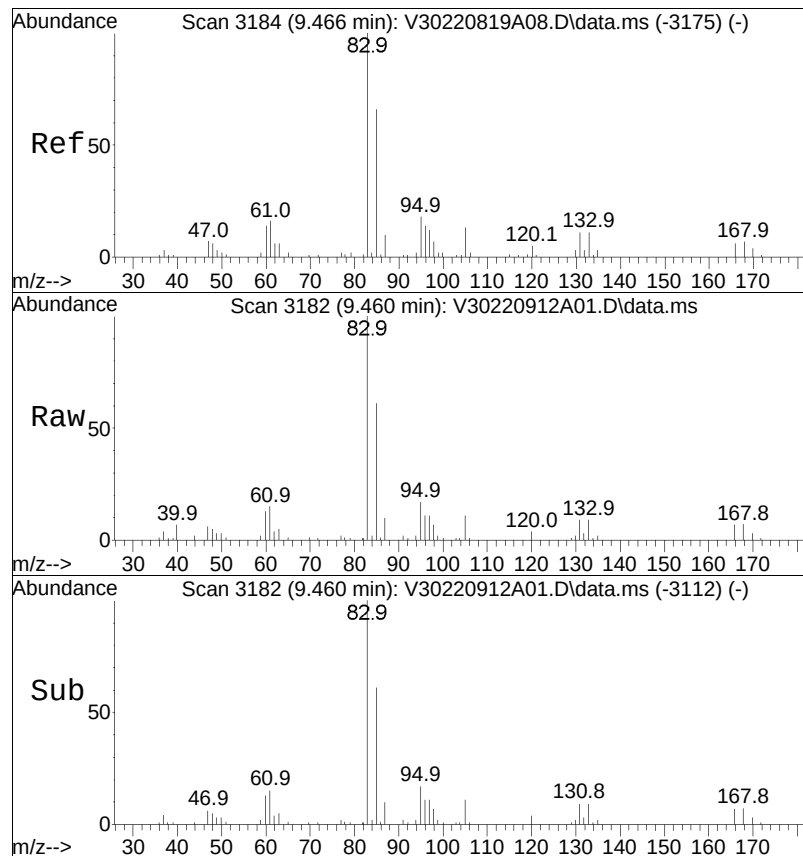




#85
 n-Propylbenzene
 Concen: 10.49 ug/L
 RT: 9.410 min Scan# 3164
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

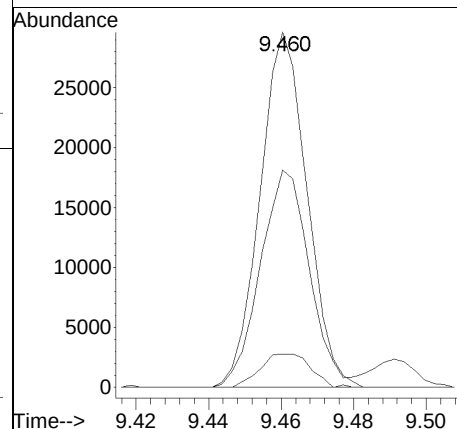
Tgt Ion:	91	Resp:	226769
Ion Ratio	Lower	Upper	
91	100		
120	21.6	17.0	25.6

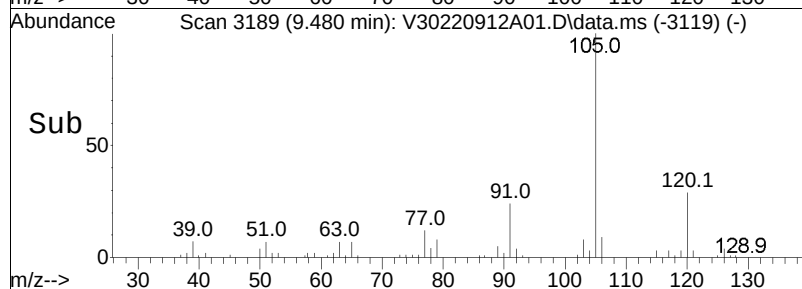
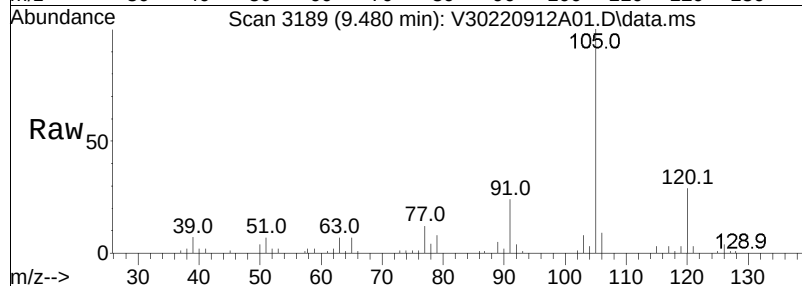
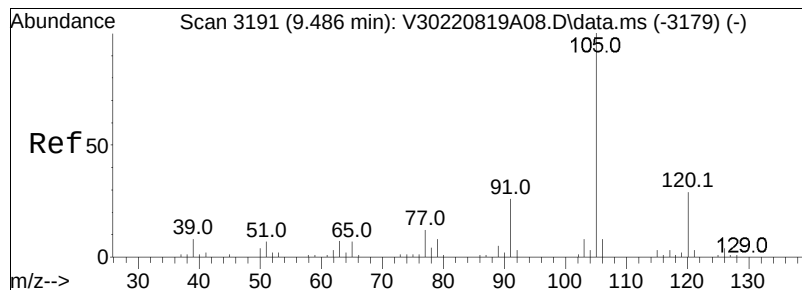




#87
 1,1,2,2-Tetrachloroethane
 Concen: 8.20 ug/L
 RT: 9.460 min Scan# 3182
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

Tgt	Ion: 83	Resp:	26621
Ion	Ratio	Lower	Upper
83	100		
131	10.2	0.0	30.4
85	64.2	45.4	85.4





#88

4-Ethyltoluene

Concen: 10.09 ug/L

RT: 9.480 min Scan# 3189

Delta R.T. -0.006 min

Lab File: V30220912A01.D

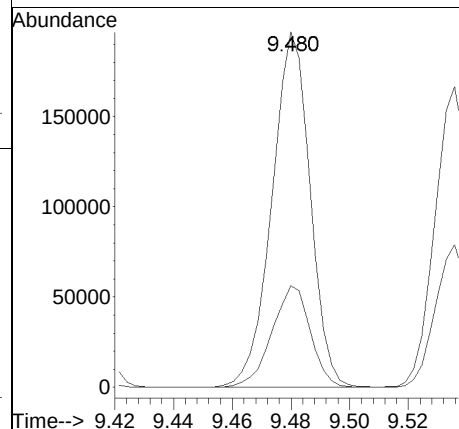
Acq: 12 Sep 2022 06:54 am

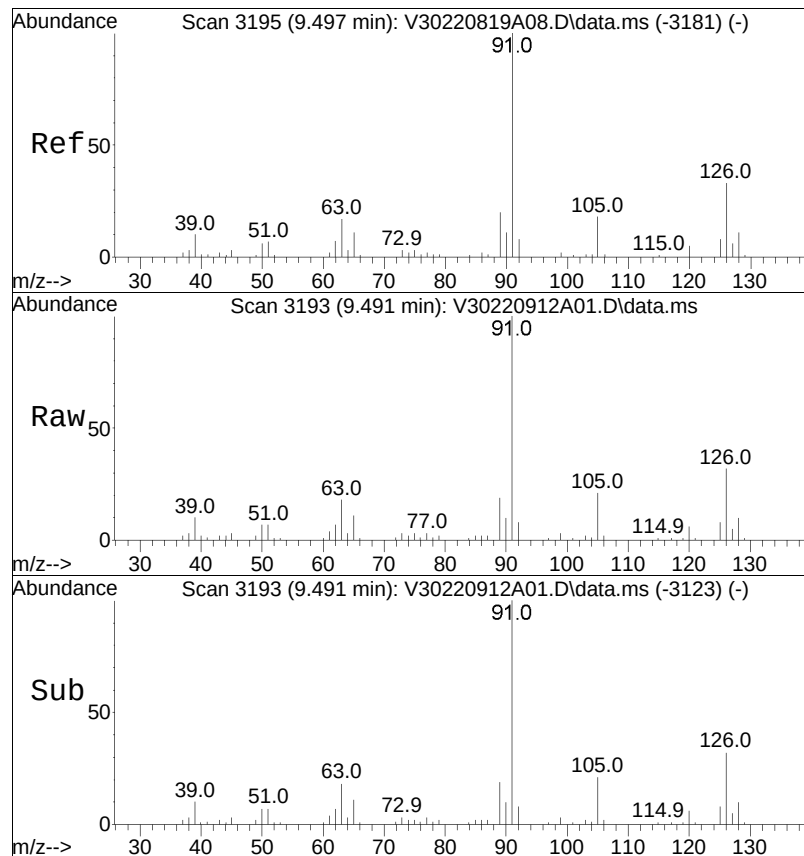
Tgt Ion:105 Resp: 178247

Ion Ratio Lower Upper

105 100

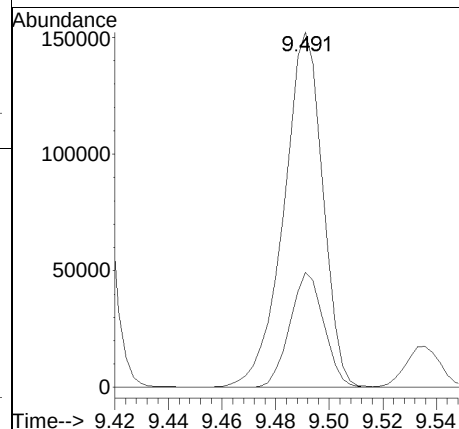
120 28.8 18.1 37.7

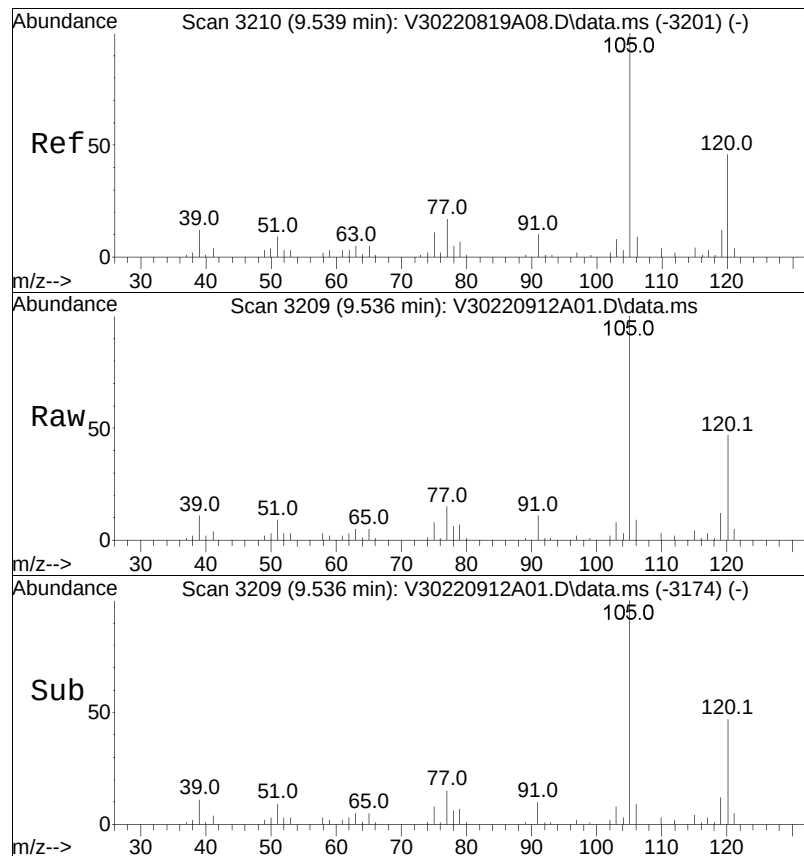




#89
 2-Chlorotoluene
 Concen: 10.21 ug/L
 RT: 9.491 min Scan# 3193
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

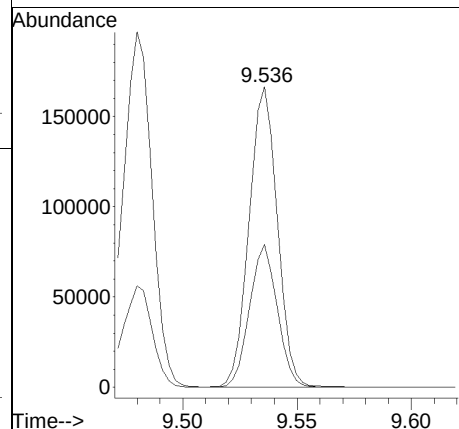
Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	21.5	32.3

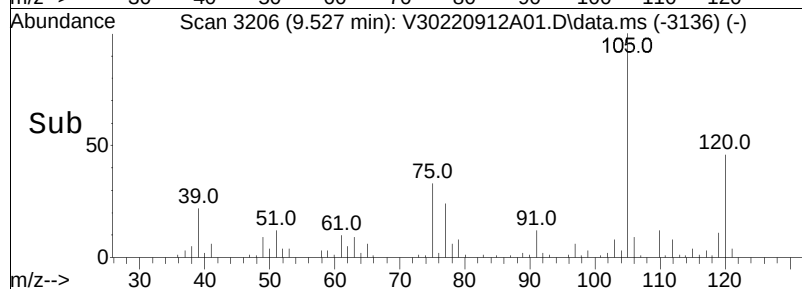
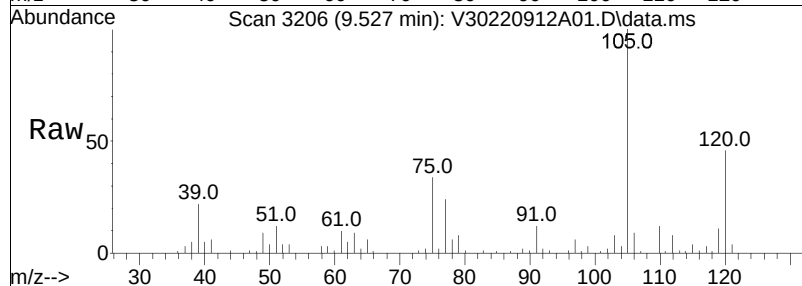
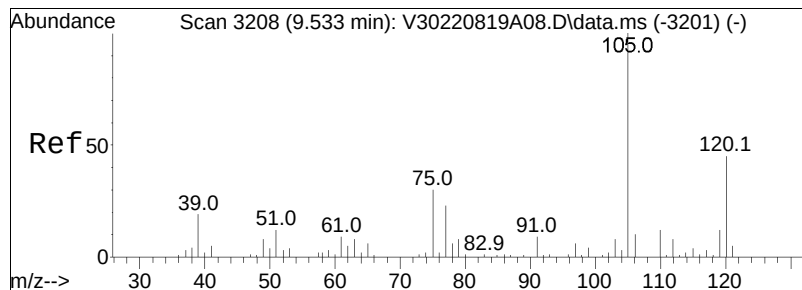




#90
 1,3,5-Trimethylbenzene
 Concen: 9.41 ug/L
 RT: 9.536 min Scan# 3209
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

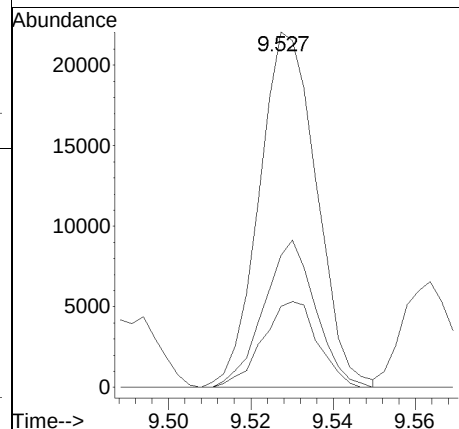
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	34.8	52.2

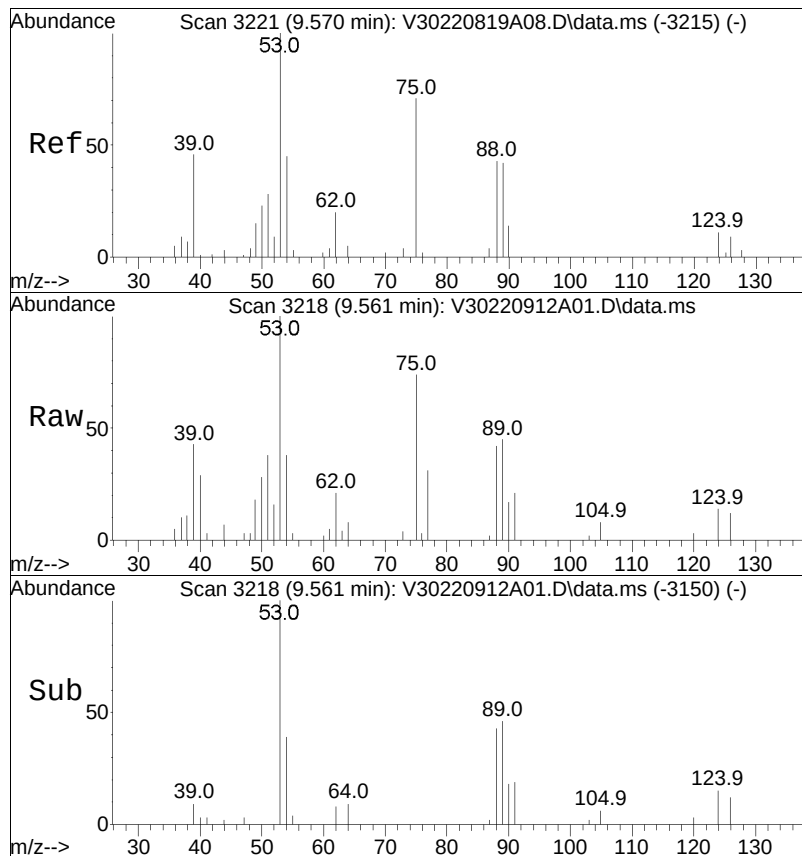




#91
 1,2,3-Trichloropropane
 Concen: 8.19 ug/L
 RT: 9.527 min Scan# 3206
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

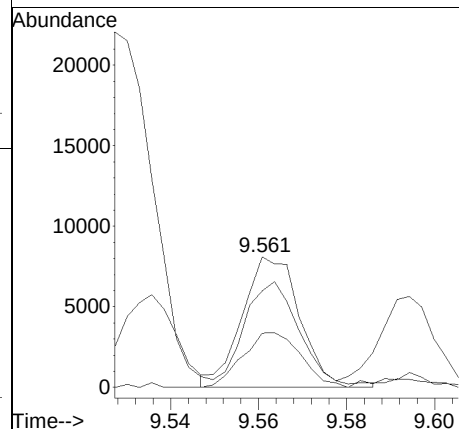
Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	25.4	52.8
112	23.3	15.6	32.4

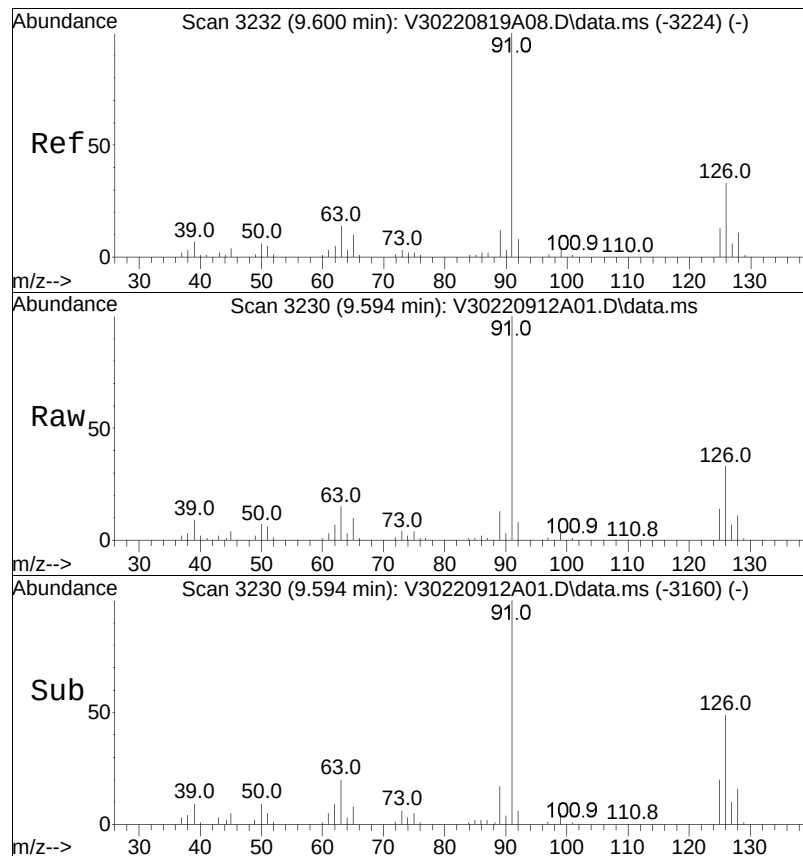




#92
 trans-1,4-Dichloro-2-butene
 Concen: 8.18 ug/L
 RT: 9.561 min Scan# 3218
 Delta R.T. -0.009 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

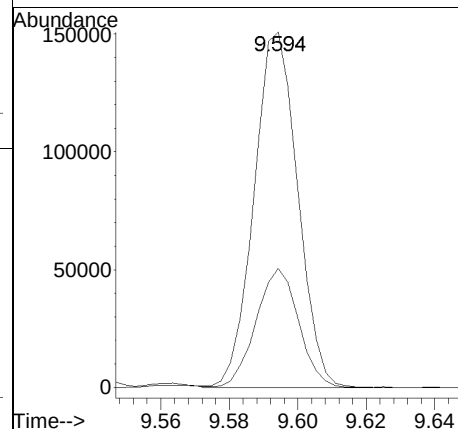
Tgt	Ion	Resp	Lower	Upper
53	100			
88	42.1		39.6	59.4
75	75.6		70.2	105.4

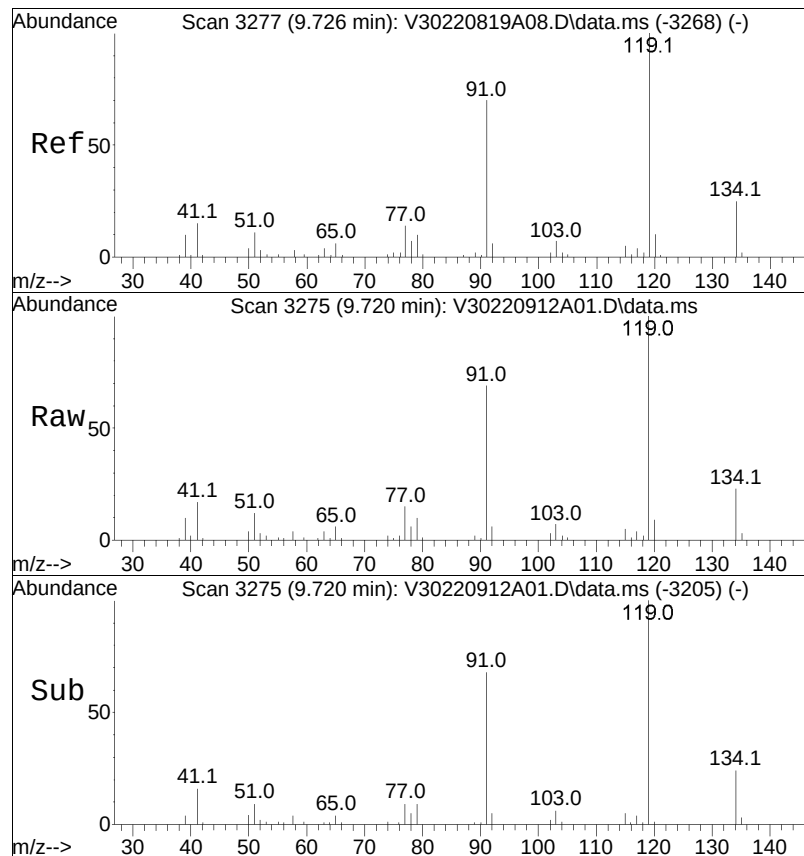




#93
 4-Chlorotoluene
 Concen: 9.86 ug/L
 RT: 9.594 min Scan# 3230
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

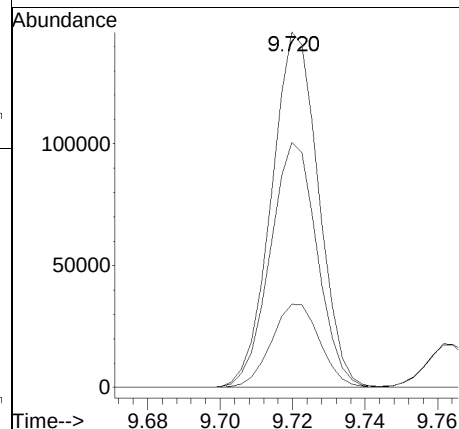
Tgt Ion:	91	Resp:	133628
Ion Ratio	Lower	Upper	
91	100		
126	32.6	24.6	36.8

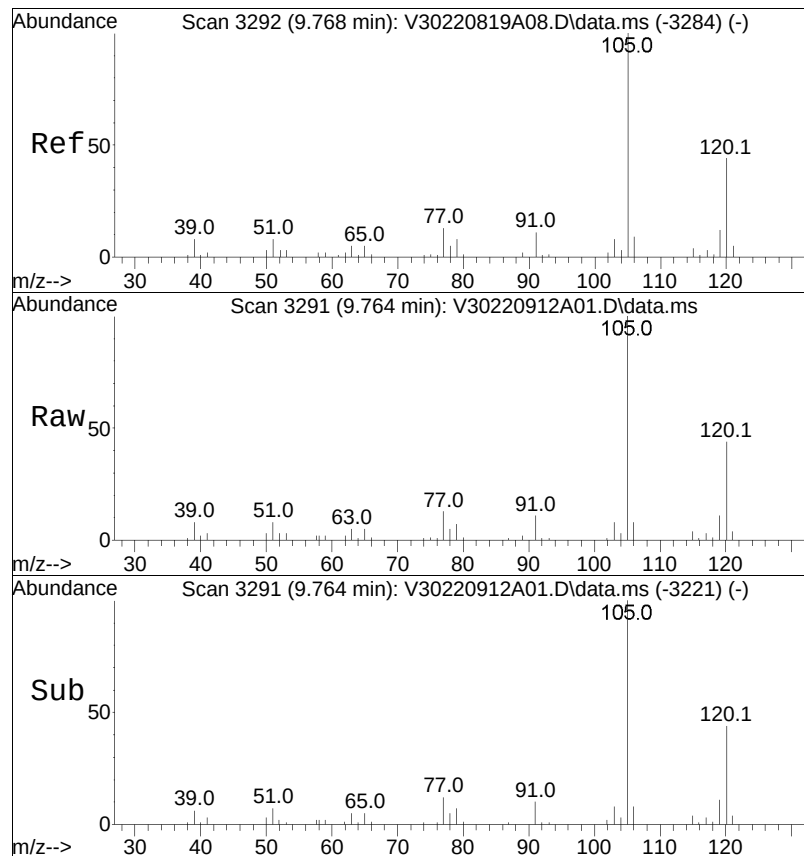




#94
 tert-Butylbenzene
 Concen: 9.97 ug/L
 RT: 9.720 min Scan# 3275
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

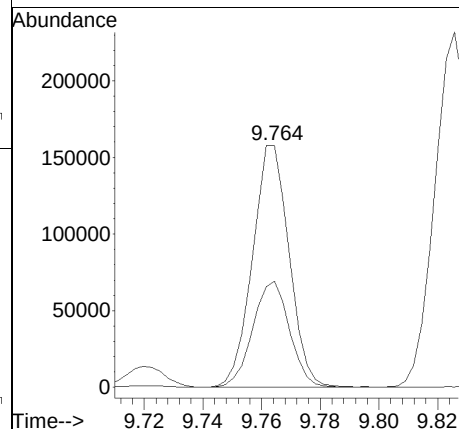
Tgt	Ion:119	Resp:	131412
Ion	Ratio	Lower	Upper
119	100		
91	69.3	51.4	77.2
134	24.2	18.3	27.5

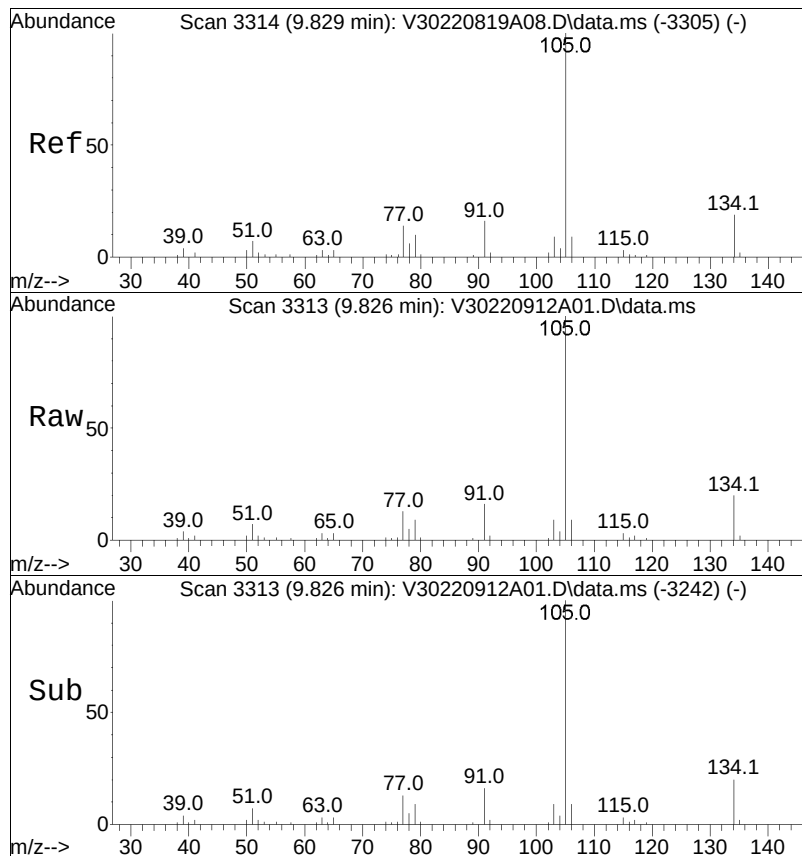




#97
 1,2,4-Trimethylbenzene
 Concen: 9.15 ug/L
 RT: 9.764 min Scan# 3291
 Delta R.T. -0.004 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

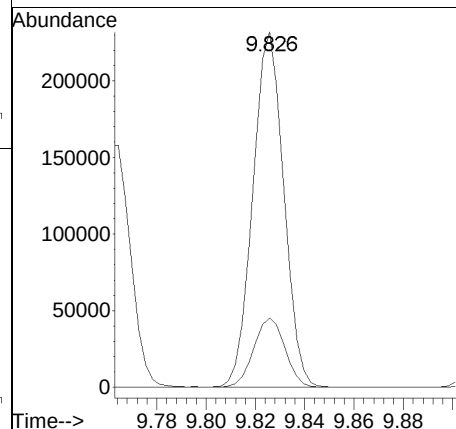
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	44.0	33.4	50.0	

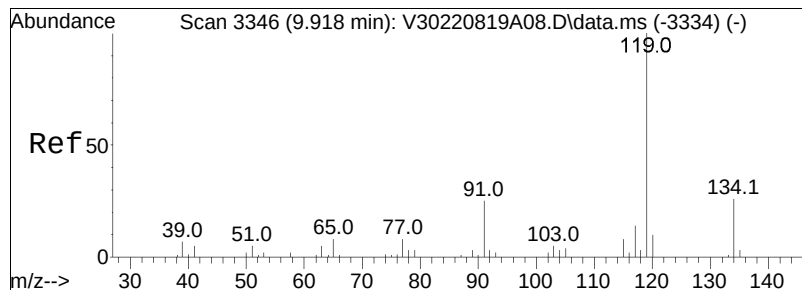




#98
 sec-Butylbenzene
 Concen: 10.23 ug/L
 RT: 9.826 min Scan# 3313
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

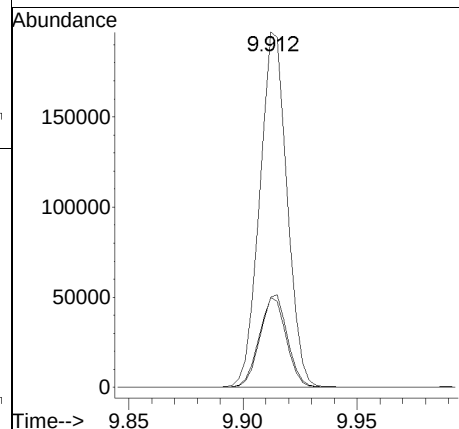
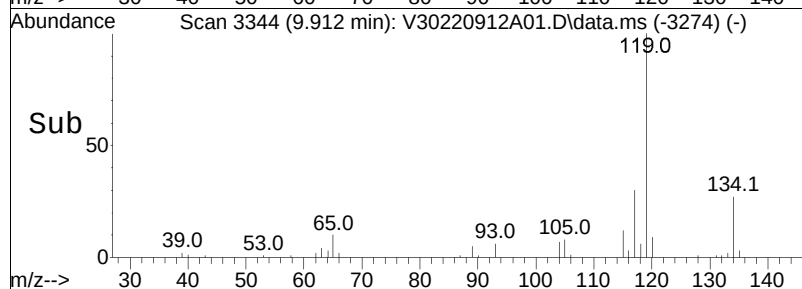
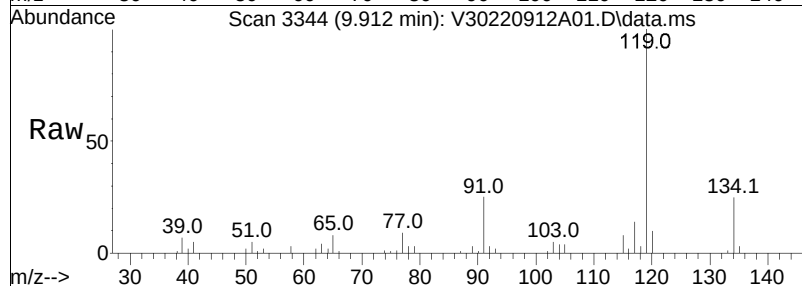
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	19.8	12.5	26.1	

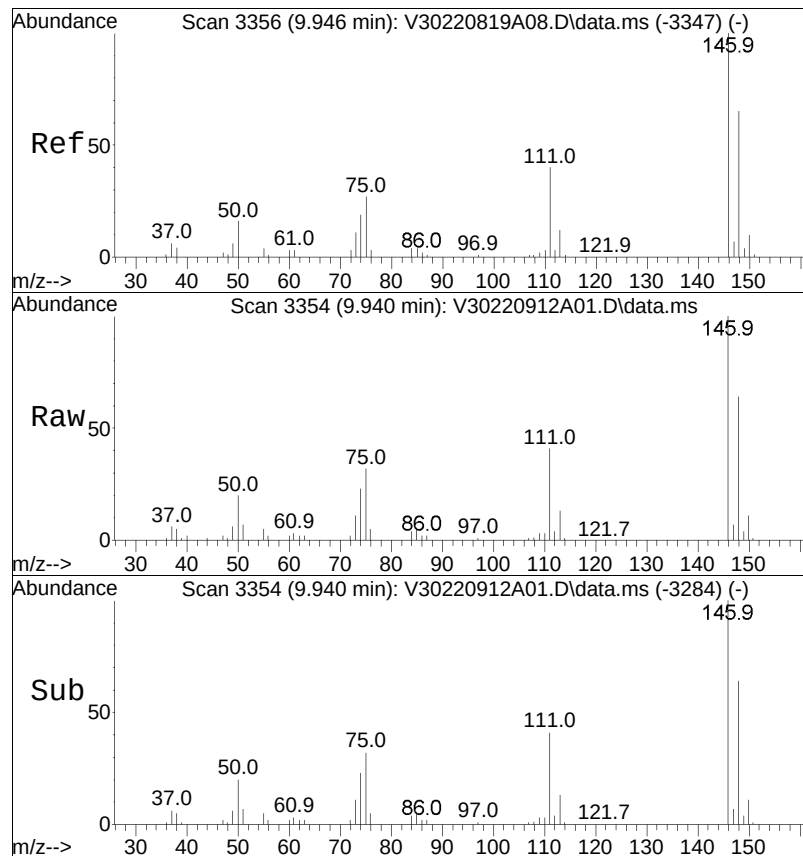




#99
 p-Isopropyltoluene
 Concen: 9.74 ug/L
 RT: 9.912 min Scan# 3344
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

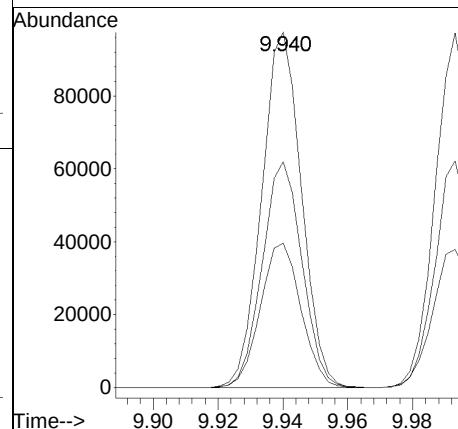
Tgt	Ion:119	Resp:	164678
Ion	Ratio	Lower	Upper
119	100		
134	25.8	16.1	33.3
91	25.1	17.3	35.9

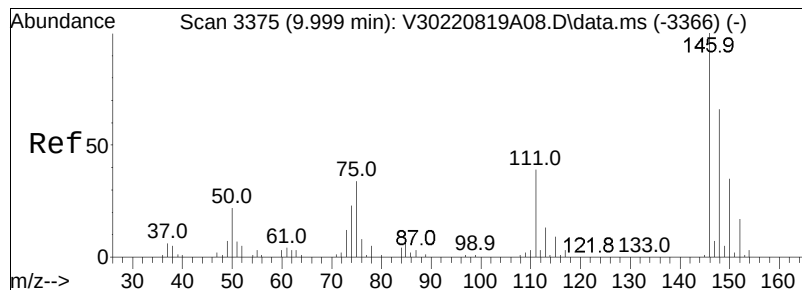




#100
 1,3-Dichlorobenzene
 Concen: 9.72 ug/L
 RT: 9.940 min Scan# 3354
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

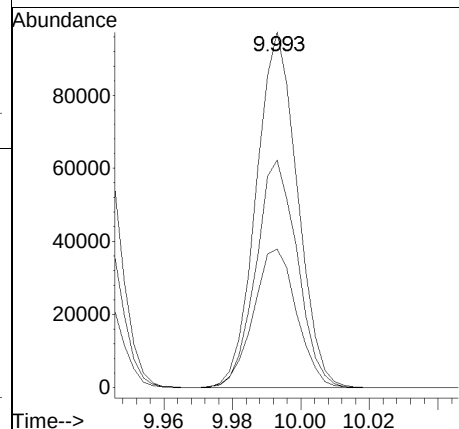
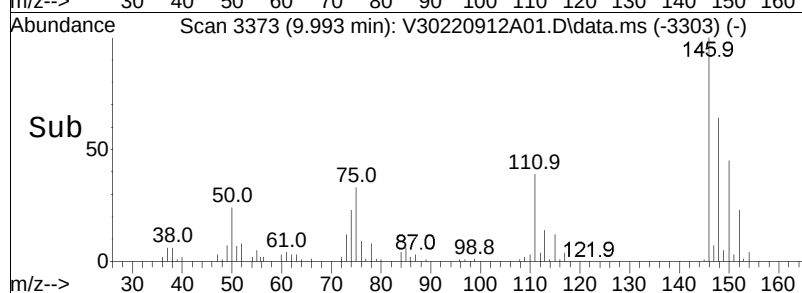
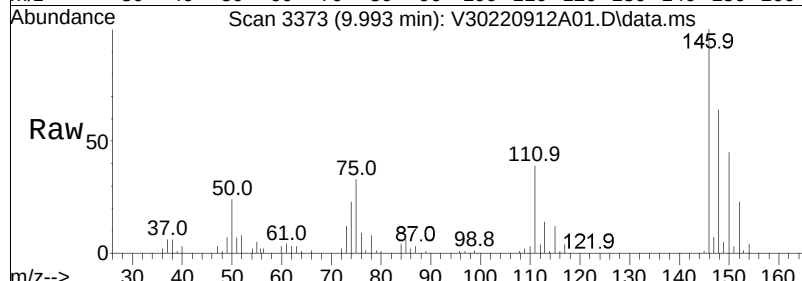
Tgt Ion:	146	Resp:	82941
Ion Ratio	Lower	Upper	
146	100		
111	41.5	27.5	57.1
148	63.6	41.9	86.9

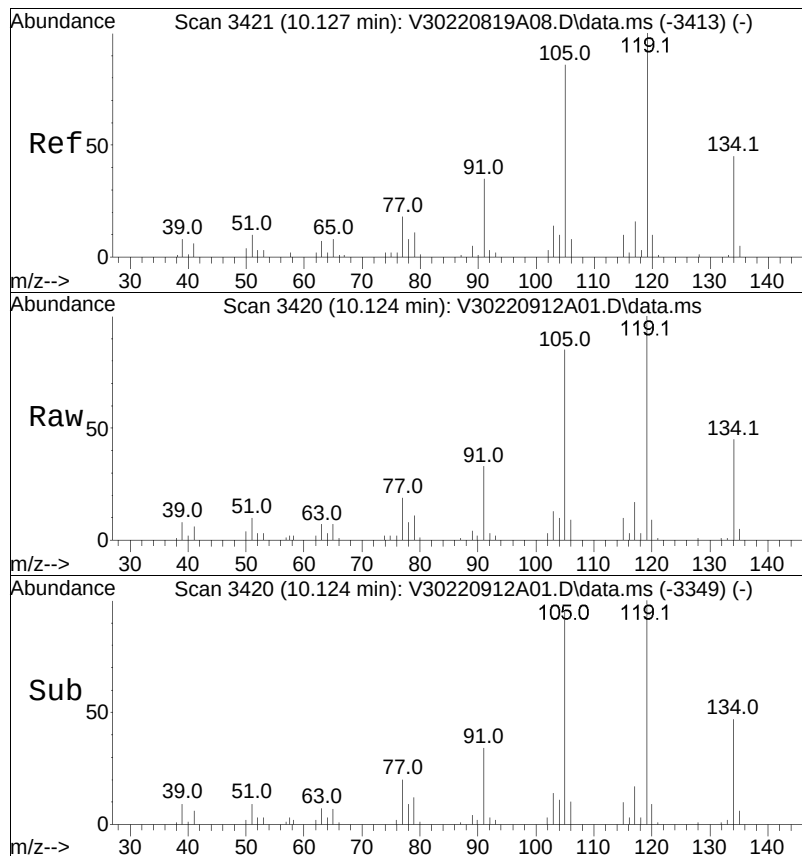




#101
 1,4-Dichlorobenzene
 Concen: 9.49 ug/L
 RT: 9.993 min Scan# 3373
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

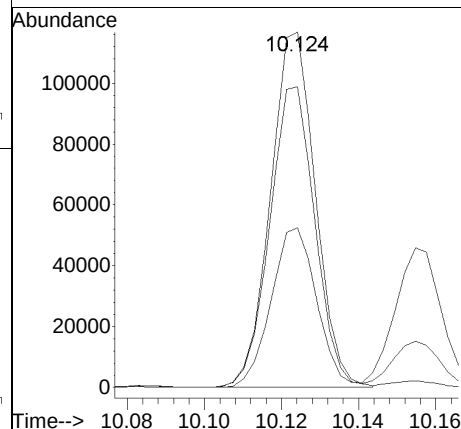
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.3	48.5
148	64.2	49.9	74.9

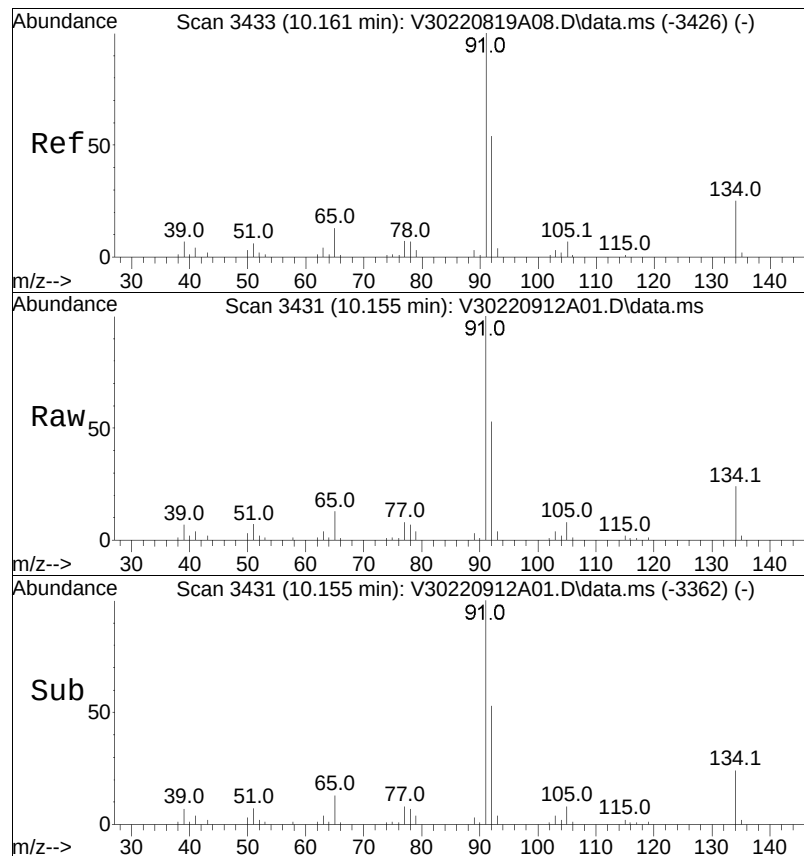




#102
 p-Diethylbenzene
 Concen: 9.23 ug/L
 RT: 10.124 min Scan# 3420
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

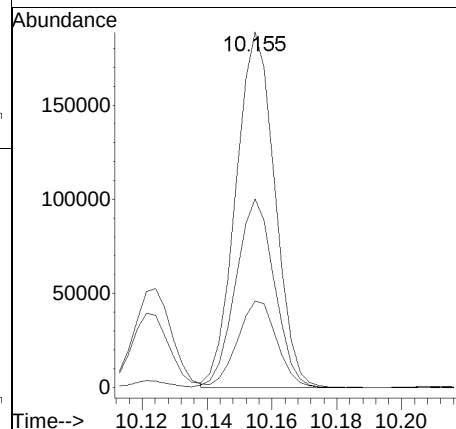
Tgt	Ion	Ratio	Resp	Lower	Upper
119	100		94548		
105	85.2	59.5		123.7	
134	45.6	30.2		62.6	

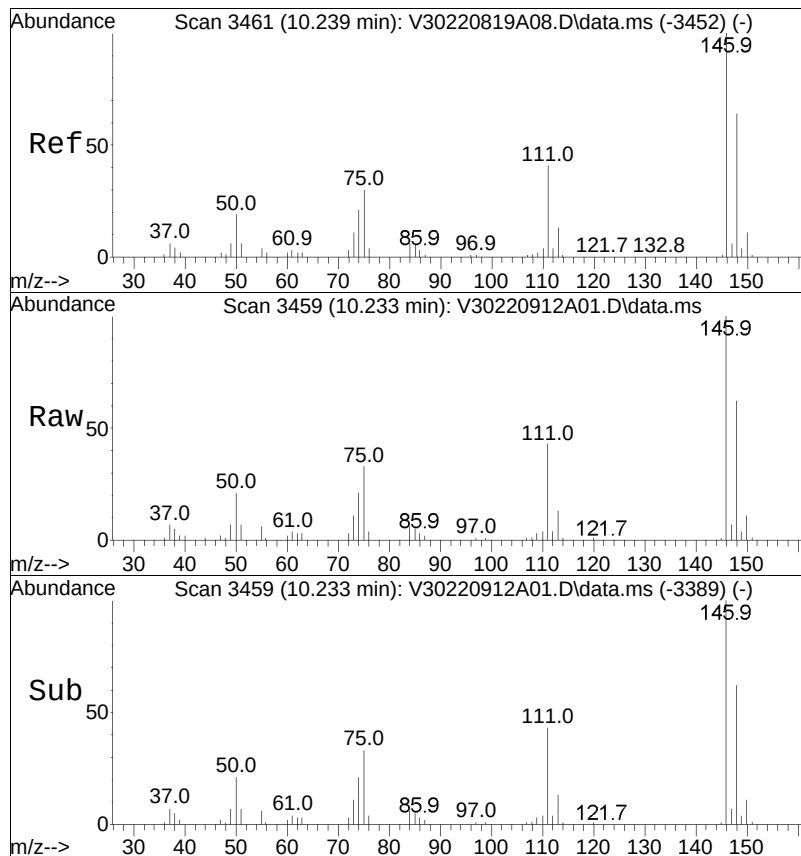




#103
 n-Butylbenzene
 Concen: 10.01 ug/L
 RT: 10.155 min Scan# 3431
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

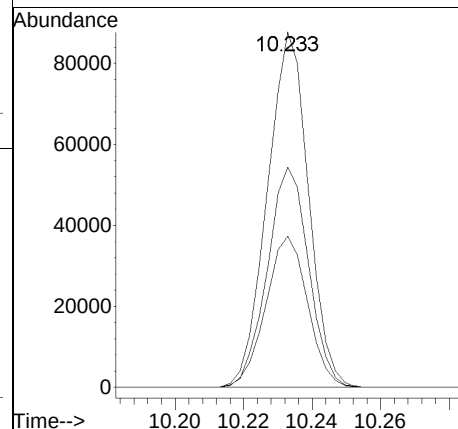
Tgt	Ion: 91	Resp:	157205
Ion	Ratio	Lower	Upper
91	100		
92	52.8	43.0	64.4
134	24.3	19.6	29.4

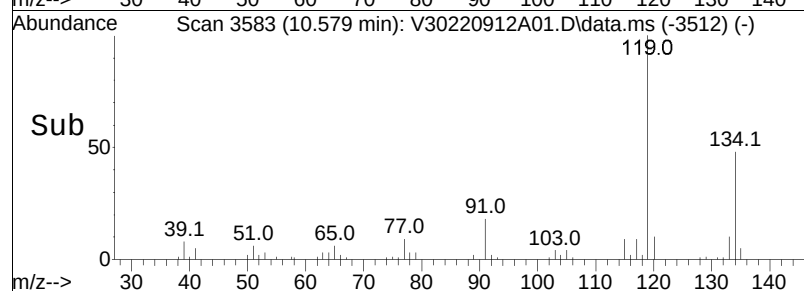
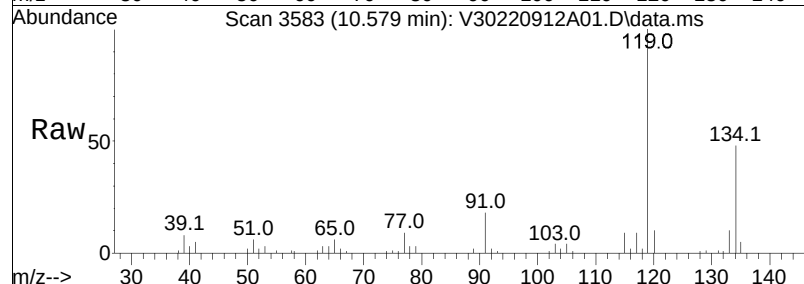
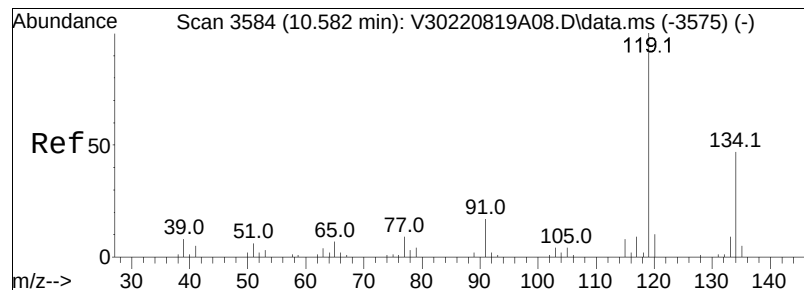




#104
 1,2-Dichlorobenzene
 Concen: 9.15 ug/L
 RT: 10.233 min Scan# 3459
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

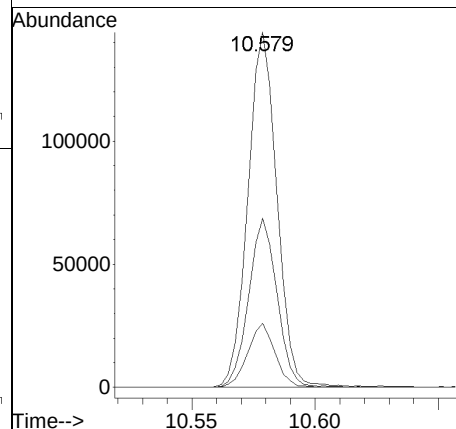
Tgt Ion:	146	Resp:	73182
Ion Ratio	Lower	Upper	
146	100		
111	43.4	28.3	58.7
148	62.5	42.3	87.8

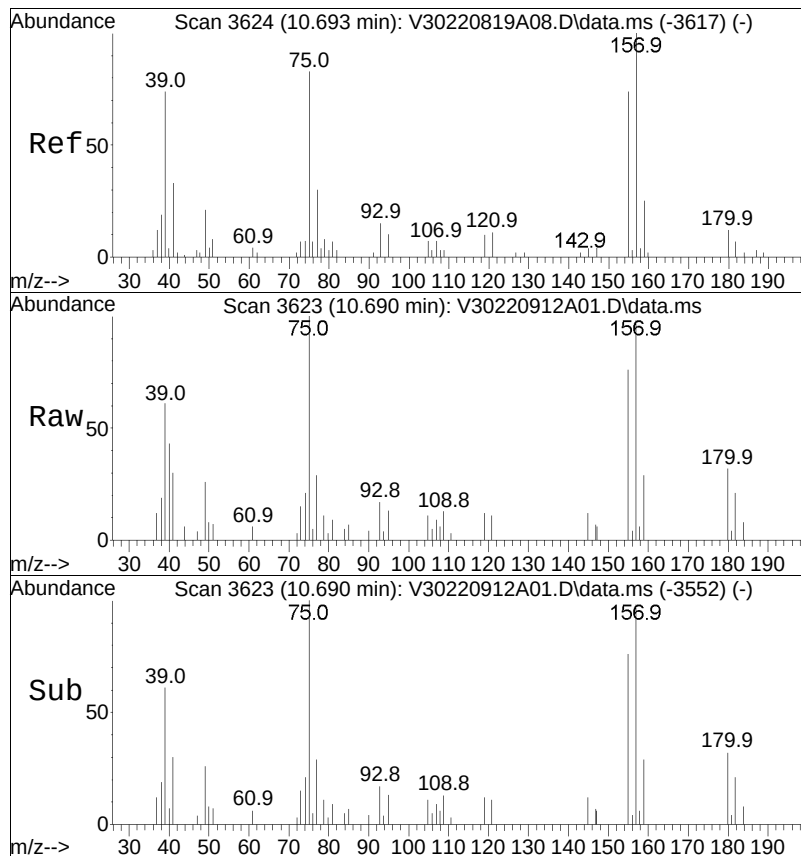




#105
 1,2,4,5-Tetramethylbenzene
 Concen: 7.55 ug/L
 RT: 10.579 min Scan# 3583
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

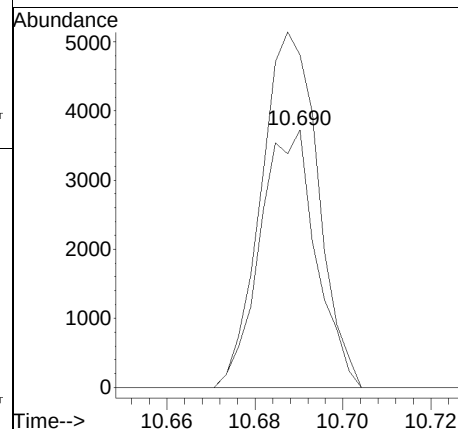
Tgt	Ion:119	Resp:	118223
Ion	Ratio	Lower	Upper
119	100		
134	46.7	30.5	63.3
91	17.0	12.4	25.7

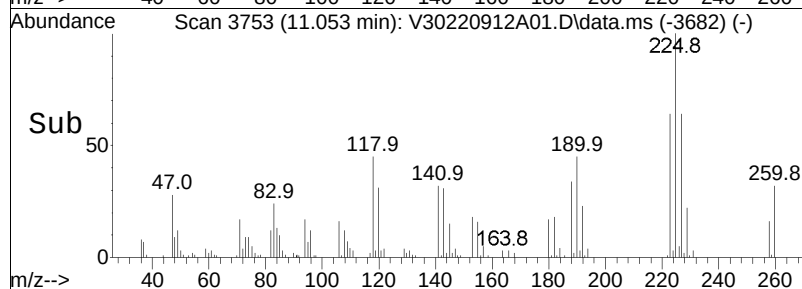
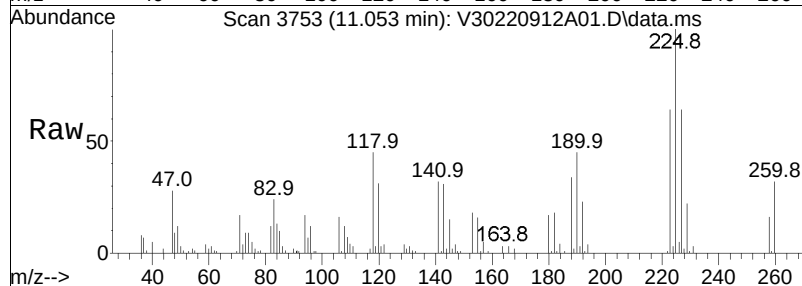
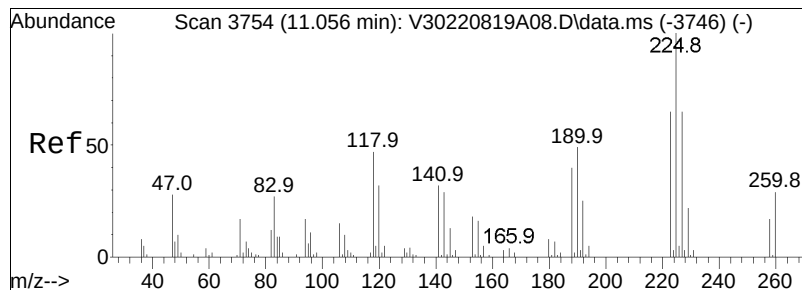




#106
 1,2-Dibromo-3-chloropropane
 Concen: 7.89 ug/L
 RT: 10.690 min Scan# 3623
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

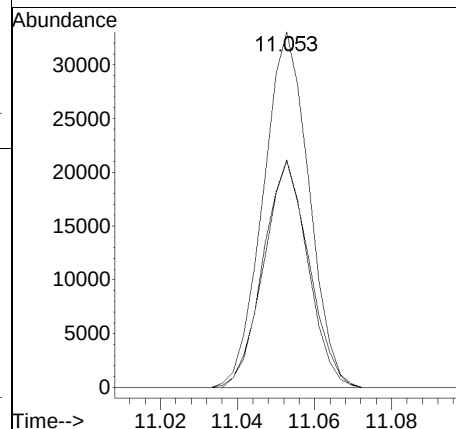
Tgt Ion:155 Resp: 3282
 Ion Ratio Lower Upper
 155 100
 157 140.7 94.8 142.2

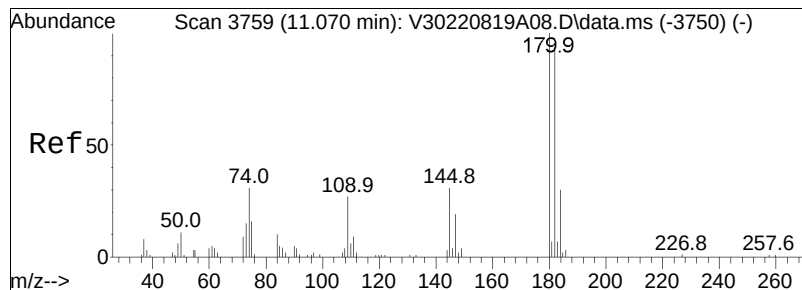




#108
 Hexachlorobutadiene
 Concen: 8.84 ug/L
 RT: 11.053 min Scan# 3753
 Delta R.T. -0.003 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

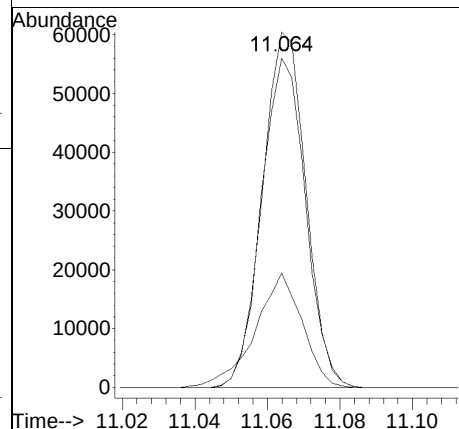
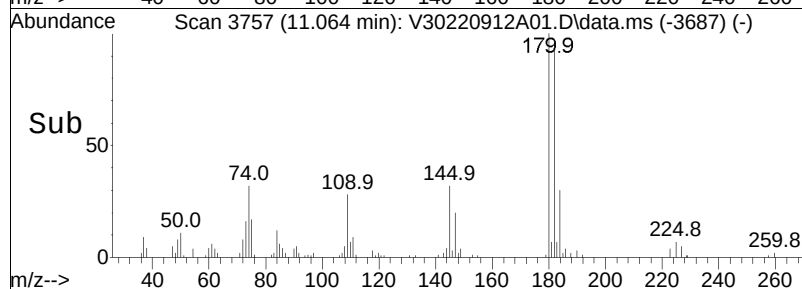
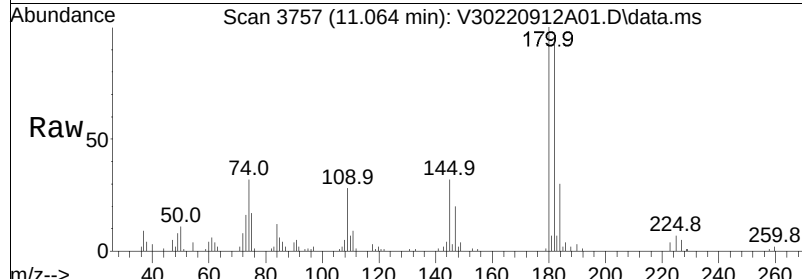
Tgt Ion:	225	Resp:	27279
Ion Ratio	Lower	Upper	
225	100		
223	62.2	54.3	81.5
227	63.0	52.4	78.6

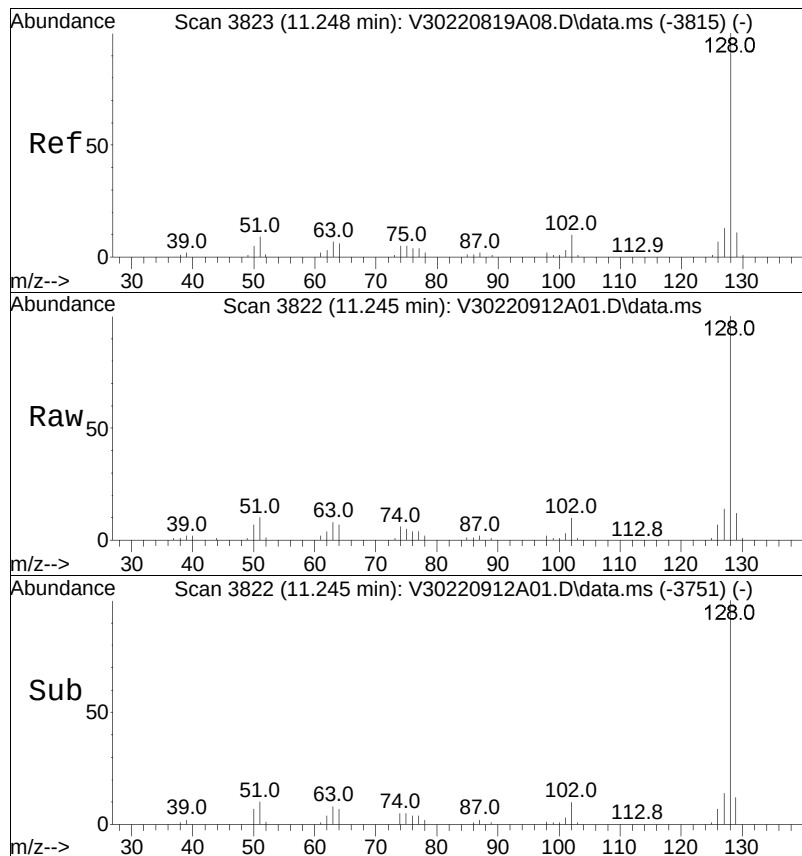




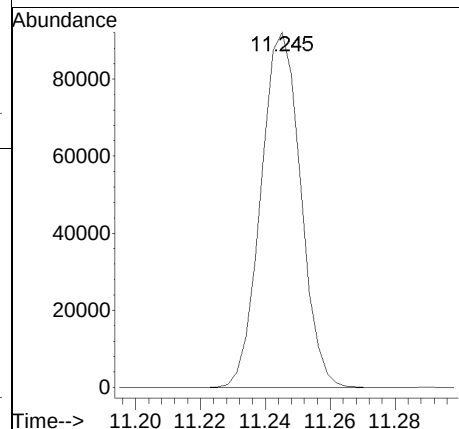
#109
 1,2,4-Trichlorobenzene
 Concen: 8.52 ug/L
 RT: 11.064 min Scan# 3757
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

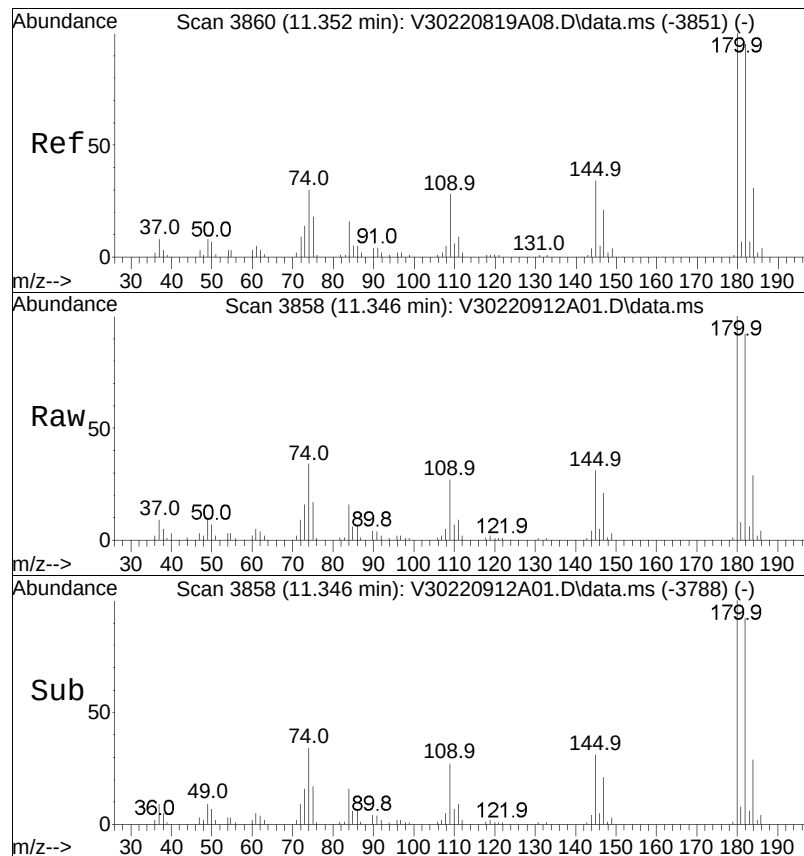
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.3	115.9
145	34.8	28.1	42.1





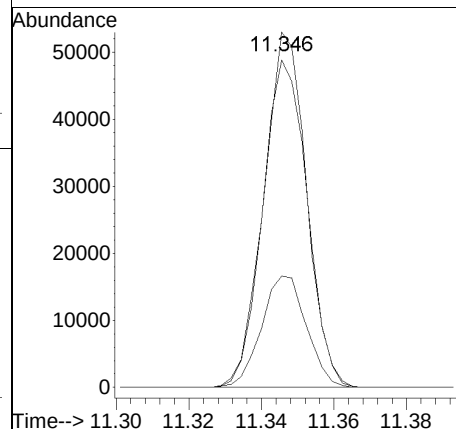
#110
Naphthalene
Concen: 7.36 ug/L
RT: 11.245 min Scan# 3822
Delta R.T. -0.003 min
Lab File: V30220912A01.D
Acq: 12 Sep 2022 06:54 am
Tgt Ion:128 Resp: 78311





#111
 1,2,3-Trichlorobenzene
 Concen: 8.26 ug/L
 RT: 11.346 min Scan# 3858
 Delta R.T. -0.006 min
 Lab File: V30220912A01.D
 Acq: 12 Sep 2022 06:54 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	33.0	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A03.D
 Acq On : 13 Sep 2022 07:21 am
 Operator : VOA130:MV
 Sample : WG1686411-11,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 08:03:08 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

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

Internal Standards						
1) Fluorobenzene	5.484	96	165141	10.000	ug/L	0.00
Standard Area 1 = 167817			Recovery =	98.41%		
59) Chlorobenzene-d5	8.496	117	121049	10.000	ug/L	0.00
Standard Area 1 = 125779			Recovery =	96.24%		
79) 1,4-Dichlorobenzene-d4	9.985	152	63402	10.000	ug/L	0.00
Standard Area 1 = 66872			Recovery =	94.81%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.491	113	44332	10.165	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.65%		
43) 1,2-Dichloroethane-d4	5.135	65	44334	9.259	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.59%		
60) Toluene-d8	7.193	98	159821	10.165	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.65%		
83) 4-Bromofluorobenzene	9.316	95	57269	9.527	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.27%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.938	85	17594	5.235	ug/L	99
3) Chloromethane	1.058	50	30433	7.847	ug/L	99
4) Vinyl chloride	1.109	62	32705	8.500	ug/L	95
5) Bromomethane	1.312	94	15653	5.910	ug/L	97
6) Chloroethane	1.399	64	25960	10.740	ug/L	97
7) Trichlorofluoromethane	1.493	101	55088	9.313	ug/L	95
8) Ethyl ether	1.725	74	11709	8.394	ug/L	83
10) 1,1-Dichloroethene	1.856	96	30286	9.632	ug/L	80
11) Carbon disulfide	1.859	76	78035	10.002	ug/L	99
12) Freon-113	1.901	101	33427	9.573	ug/L	98
14) Acrolein	2.132	56	3336M4	9.699	ug/L	
15) Methylene chloride	2.341	84	34271	9.722	ug/L	80
17) Acetone	2.397	43	5291	9.708	ug/L	98
18) trans-1,2-Dichloroethene	2.486	96	31280	9.196	ug/L	81
19) Methyl acetate	2.534	43	11160	7.892	ug/L	95
20) Methyl tert-butyl ether	2.623	73	47305	7.141	ug/L	91
21) tert-Butyl alcohol	2.773	59	4101	40.094	ug/L #	52
22) Diisopropyl ether	3.049	45	95449	8.279	ug/L	92
23) 1,1-Dichloroethane	3.128	63	64097	9.432	ug/L	99
24) Halothane	3.278	117	23693	9.039	ug/L #	67
25) Acrylonitrile	3.192	53	6003	8.369	ug/L #	63

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A03.D
 Acq On : 13 Sep 2022 07:21 am
 Operator : VOA130:MV
 Sample : WG1686411-11,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 08:03:08 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	3.493	59	71341	7.796	ug/L	94
27) Vinyl acetate	3.498	43	45791	7.537	ug/L #	91
28) cis-1,2-Dichloroethene	3.808	96	34961	8.947	ug/L #	78
29) 2,2-Dichloropropane	3.953	77	37714	8.416	ug/L #	78
30) Bromochloromethane	4.084	128	15970	9.394	ug/L #	66
31) Cyclohexane	4.053	56	58529	8.684	ug/L	76
32) Chloroform	4.251	83	63723	9.562	ug/L	99
33) Ethyl acetate	4.500	43	12426	6.382	ug/L #	84
34) Carbon tetrachloride	4.369	117	46326	9.786	ug/L	99
35) Tetrahydrofuran	4.444	42	4412M3	8.349	ug/L	
37) 1,1,1-Trichloroethane	4.472	97	49649	8.965	ug/L	97
39) 2-Butanone	4.684	43	7000	8.399	ug/L #	74
40) 1,1-Dichloropropene	4.642	75	42374	8.995	ug/L	96
41) Benzene	4.957	78	131245	9.376	ug/L	93
42) tert-Amyl methyl ether	5.191	73	52049	7.089	ug/L #	83
44) 1,2-Dichloroethane	5.216	62	41950	8.553	ug/L	97
47) Methyl cyclohexane	5.637	83	56185	8.882	ug/L	80
48) Trichloroethene	5.676	95	34402	9.443	ug/L	96
50) Dibromomethane	6.128	93	17631	9.086	ug/L	96
51) 1,2-Dichloropropane	6.240	63	33503	9.066	ug/L	96
54) Bromodichloromethane	6.354	83	43942	8.793	ug/L	99
57) 1,4-Dioxane	6.580	88	6723	549.652	ug/L	88
58) cis-1,3-Dichloropropene	7.012	75	44294	8.915	ug/L	96
61) Toluene	7.244	92	83056	9.451	ug/L	98
62) 4-Methyl-2-pentanone	7.656	58	5685	7.314	ug/L #	87
63) Tetrachloroethene	7.598	166	35230	9.463	ug/L	94
65) trans-1,3-Dichloropropene	7.668	75	34902	9.203	ug/L	96
67) Ethyl methacrylate	7.860	69	22806	7.807	ug/L	96
68) 1,1,2-Trichloroethane	7.799	83	18828	8.812	ug/L	96
69) Chlorodibromomethane	7.930	129	29027	9.199	ug/L	98
70) 1,3-Dichloropropane	8.011	76	40479	8.975	ug/L	99
71) 1,2-Dibromoethane	8.091	107	21274	8.811	ug/L	98
72) 2-Hexanone	8.337	43	9747	7.158	ug/L	95
73) Chlorobenzene	8.507	112	92273	9.508	ug/L	93
74) Ethylbenzene	8.549	91	161622	9.444	ug/L	99
75) 1,1,1,2-Tetrachloroethane	8.565	131	29937	9.230	ug/L	97
76) p/m Xylene	8.658	106	124489	19.557	ug/L	100
77) o Xylene	8.942	106	119760	19.269	ug/L	96
78) Styrene	8.978	104	202486	20.179	ug/L	92
80) Bromoform	8.981	173	17033	9.181	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A03.D
 Acq On : 13 Sep 2022 07:21 am
 Operator : VOA130:MV
 Sample : WG1686411-11,31,10,10,,
 Misc : WG1686411,ICAL19274
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 08:03:08 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Isopropylbenzene	9.151	105	158725	9.357	ug/L	97
84)	Bromobenzene	9.371	156	38031	9.032	ug/L	98
85)	n-Propylbenzene	9.410	91	198538	9.702	ug/L	98
86)	1,4-Dichlorobutane	9.413	55	39656	8.393	ug/L	97
87)	1,1,2,2-Tetrachloroethane	9.461	83	25686	8.356	ug/L	99
88)	4-Ethyltoluene	9.480	105	156200	9.332	ug/L	97
89)	2-Chlorotoluene	9.491	91	136717	9.560	ug/L	96
90)	1,3,5-Trimethylbenzene	9.536	105	127744	8.827	ug/L	92
91)	1,2,3-Trichloropropane	9.530	75	20275	8.209	ug/L	98
92)	trans-1,4-Dichloro-2-b...	9.564	53	7635	8.883	ug/L	86
93)	4-Chlorotoluene	9.595	91	120186	9.367	ug/L	96
94)	tert-Butylbenzene	9.720	119	116270	9.310	ug/L	95
97)	1,2,4-Trimethylbenzene	9.765	105	122316	8.594	ug/L	95
98)	sec-Butylbenzene	9.826	105	179895	9.616	ug/L	99
99)	p-Isopropyltoluene	9.915	119	148222	9.257	ug/L	98
100)	1,3-Dichlorobenzene	9.940	146	75904	9.396	ug/L	98
101)	1,4-Dichlorobenzene	9.993	146	76308	9.394	ug/L	99
102)	p-Diethylbenzene	10.124	119	84567	8.720	ug/L	96
103)	n-Butylbenzene	10.155	91	136967	9.210	ug/L	99
104)	1,2-Dichlorobenzene	10.233	146	68529	9.050	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.579	119	106868	7.211	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.688	155	3635	9.223	ug/L	96
107)	1,3,5-Trichlorobenzene	10.707	180	54390	8.433	ug/L	94
108)	Hexachlorobutadiene	11.053	225	24759	8.474	ug/L	94
109)	1,2,4-Trichlorobenzene	11.064	180	47790	8.527	ug/L	98
110)	Naphthalene	11.245	128	78611	7.800	ug/L	100
111)	1,2,3-Trichlorobenzene	11.346	180	42983	8.648	ug/L	99

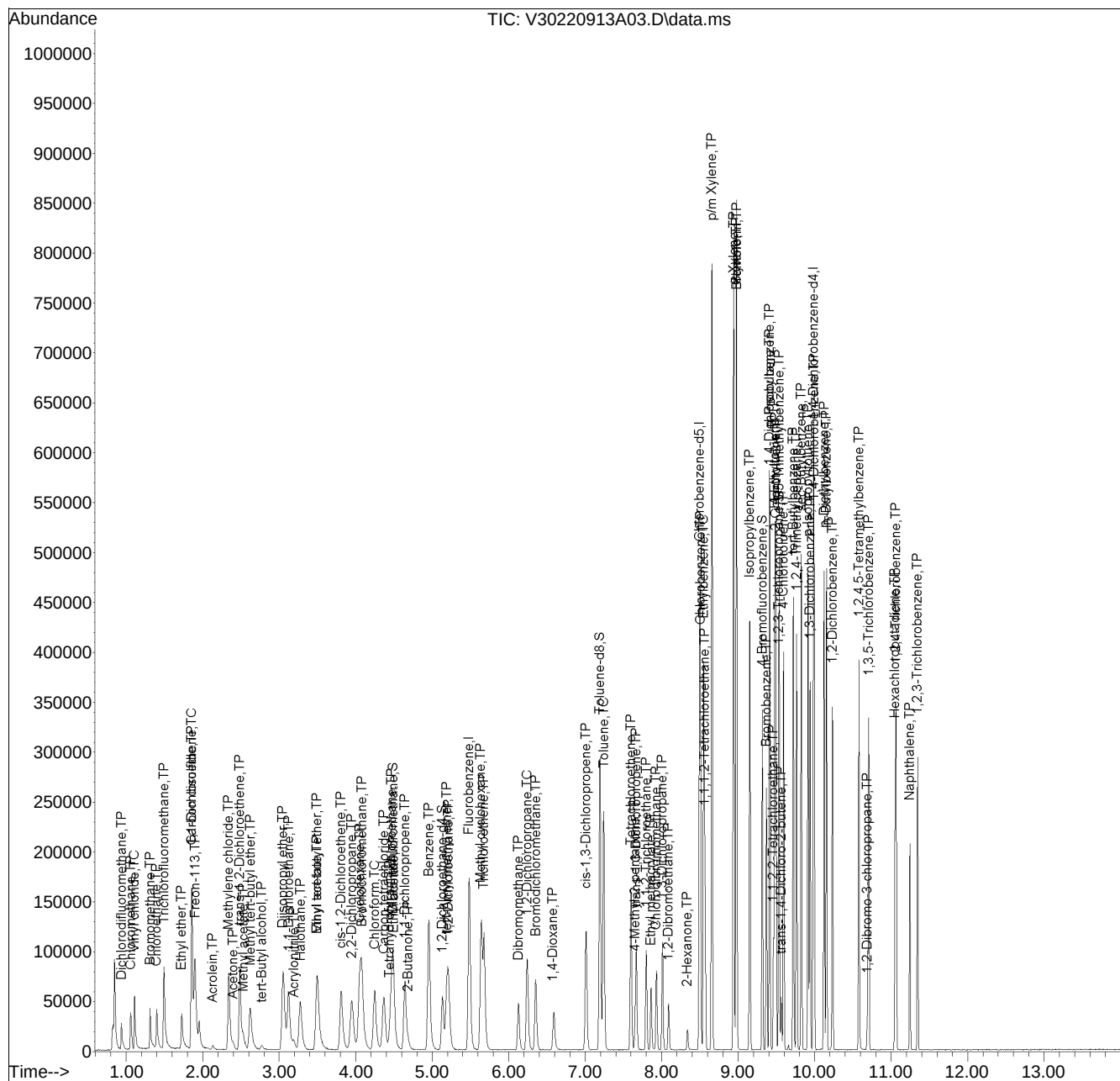
(#) = qualifier out of range (m) = manual integration (+) = signals summed

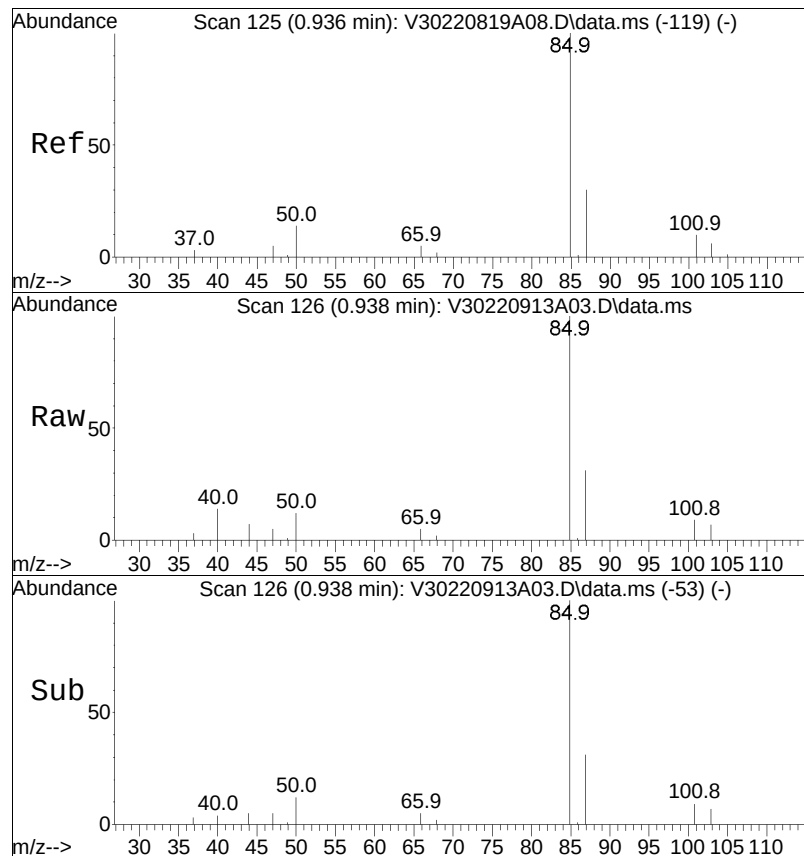
(QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
Data File : V30220913A03.D
Acq On : 13 Sep 2022 07:21 am
Operator : VOA130:MV
Sample : WG1686411-11,31,10,10,,
Misc : WG1686411,ICAL19274
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 08:03:08 2022
Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

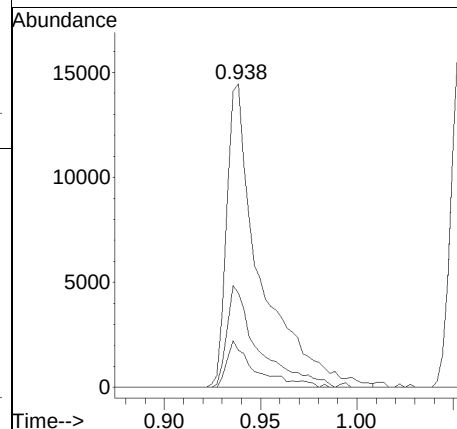
Sub List : 8260-Curve-2CEVE-IOD0 - Curve-2CEVE-IOD0220913A02.D•

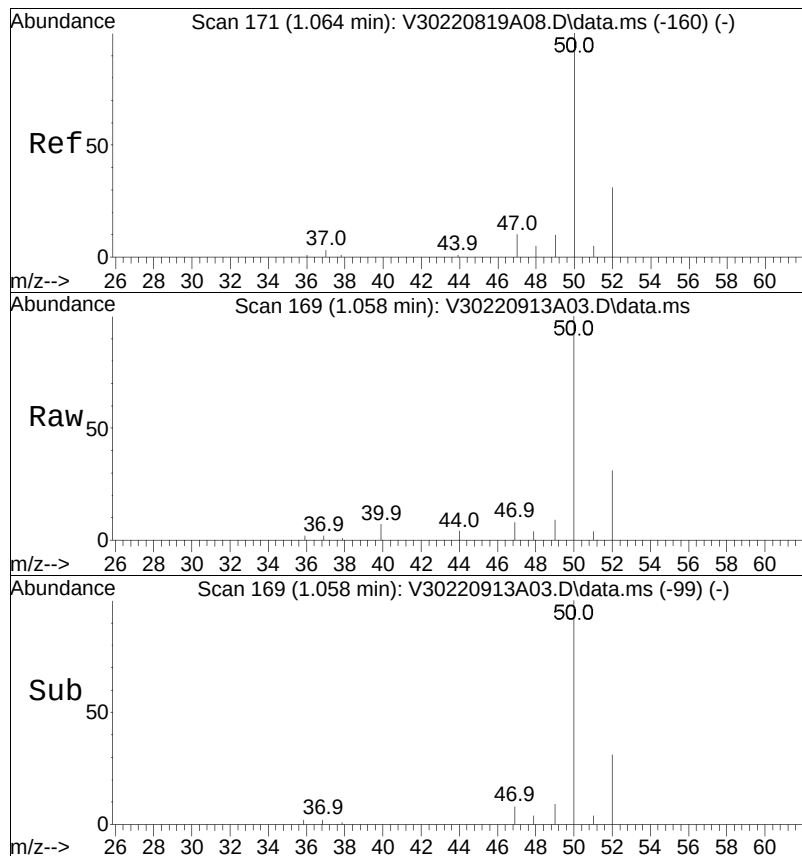




#2
 Dichlorodifluoromethane
 Concen: 5.23 ug/L
 RT: 0.938 min Scan# 126
 Delta R.T. 0.002 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

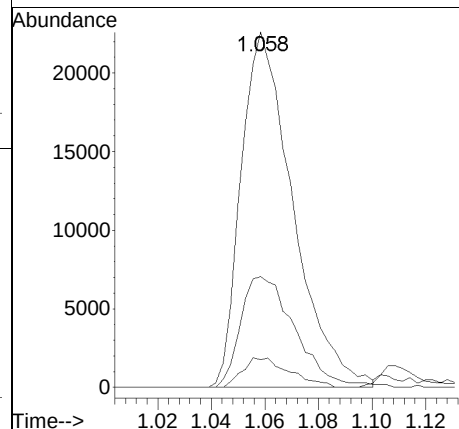
Tgt Ion:	85	Resp:	17594
Ion Ratio	Lower	Upper	
85	100		
87	31.6	21.0	43.6
50	13.3	8.9	18.5

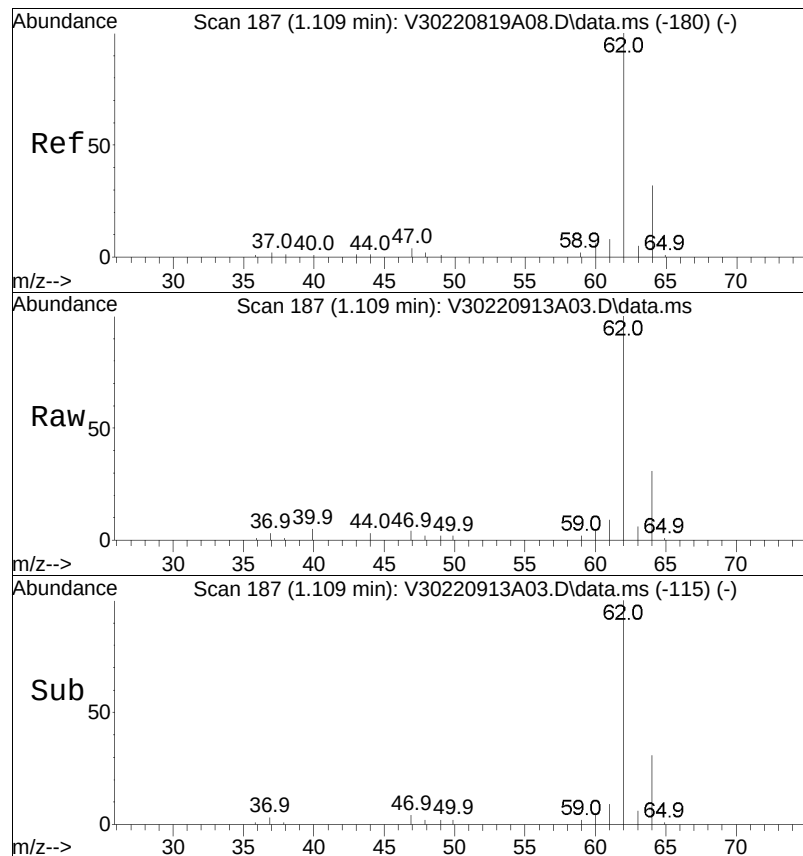




#3
 Chloromethane
 Concen: 7.85 ug/L
 RT: 1.058 min Scan# 169
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

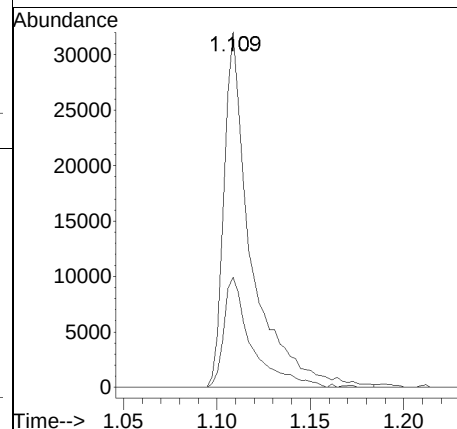
Tgt	Ion: 50	Resp:	30433
Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.9	52.9
47	7.6	0.0	28.3

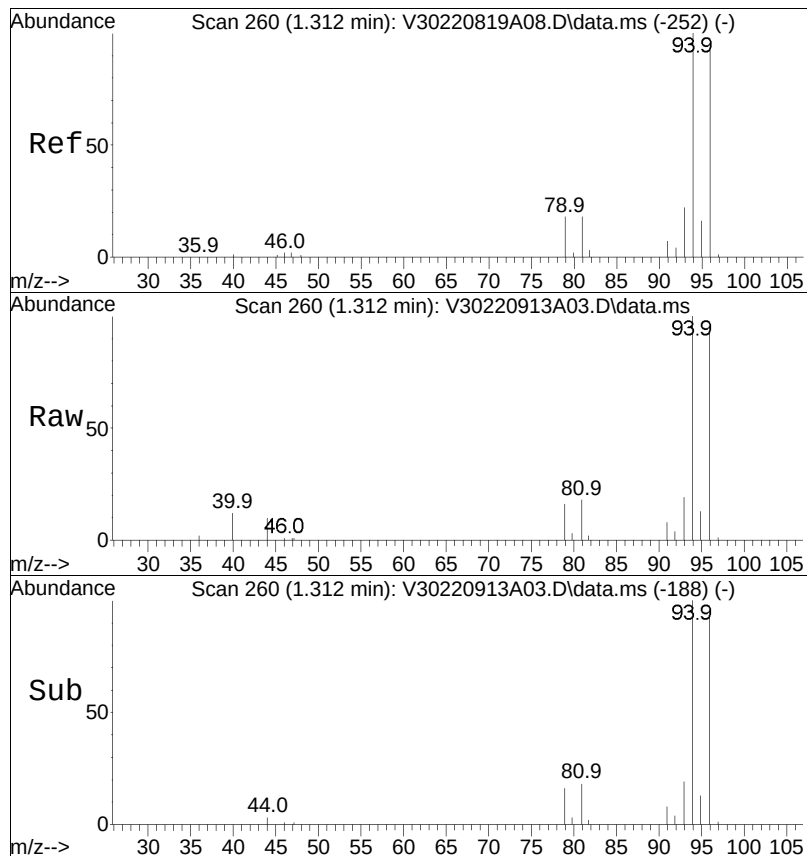




#4
 Vinyl chloride
 Concen: 8.50 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

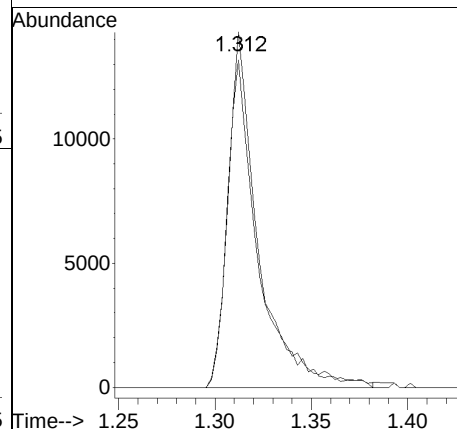
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	9.1	49.1

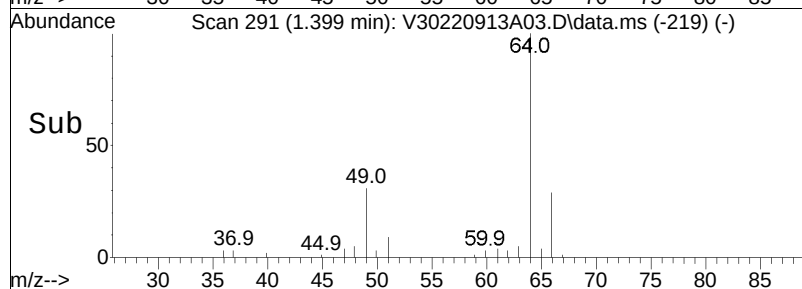
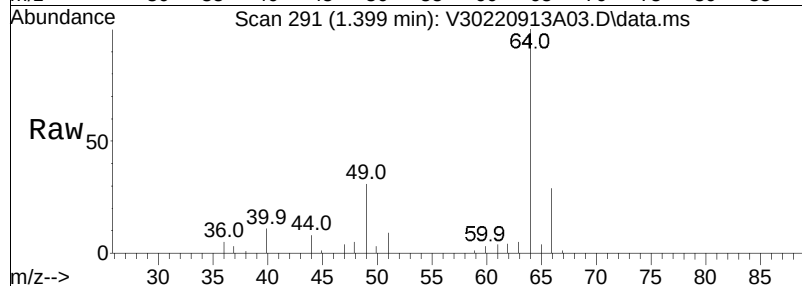
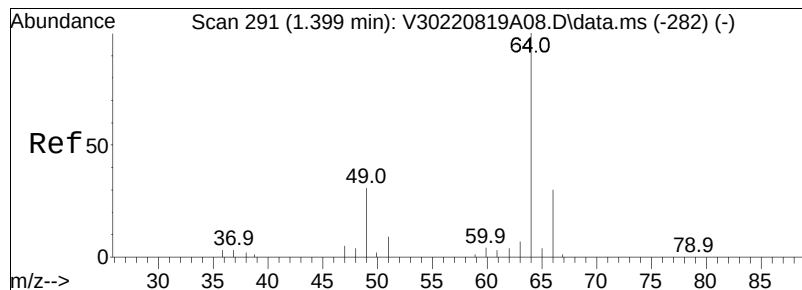




#5
 Bromomethane
 Concen: 5.91 ug/L
 RT: 1.312 min Scan# 260
 Delta R.T. 0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

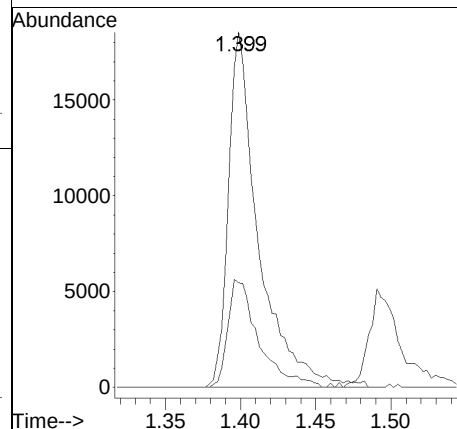
Tgt Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.6	115.6

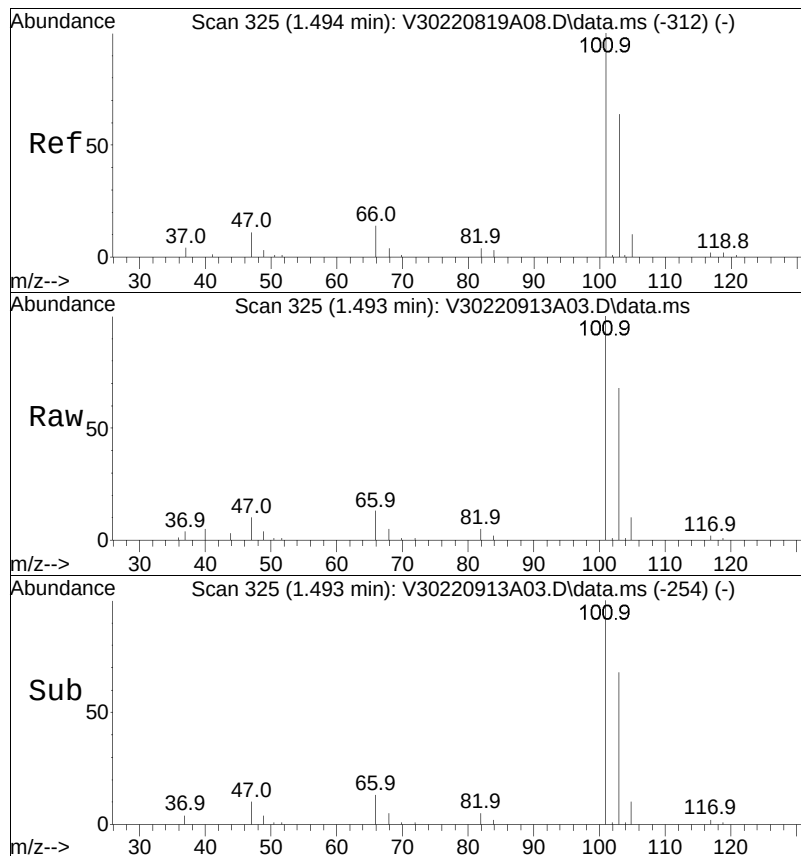




#6
 Chloroethane
 Concen: 10.74 ug/L
 RT: 1.399 min Scan# 291
 Delta R.T. -0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

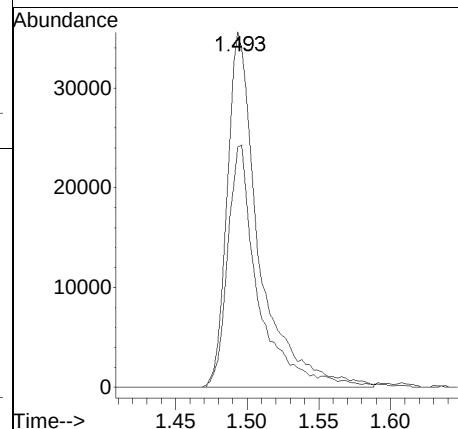
Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.2	9.8	49.8

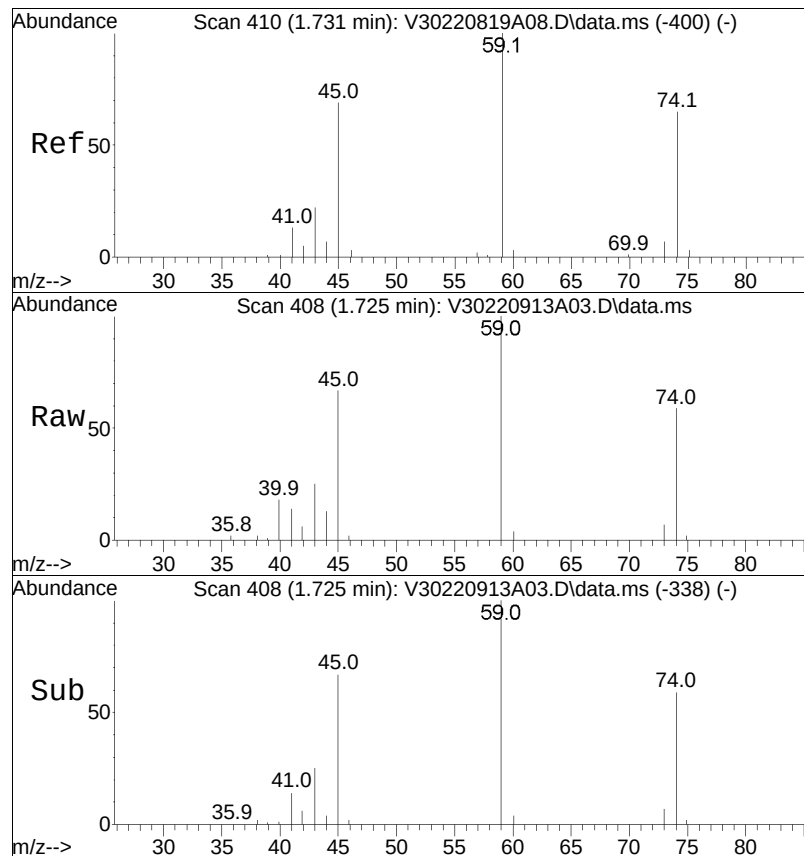




#7
 Trichlorofluoromethane
 Concen: 9.31 ug/L
 RT: 1.493 min Scan# 325
 Delta R.T. -0.001 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

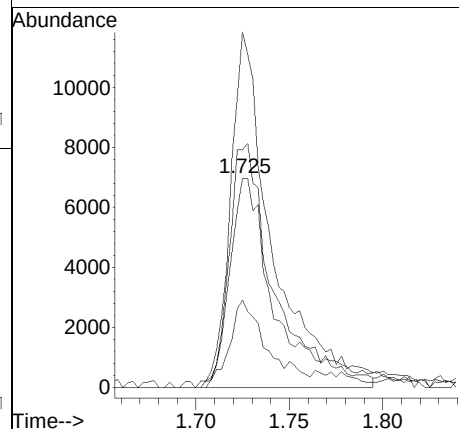
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	63.4	53.8	80.6	

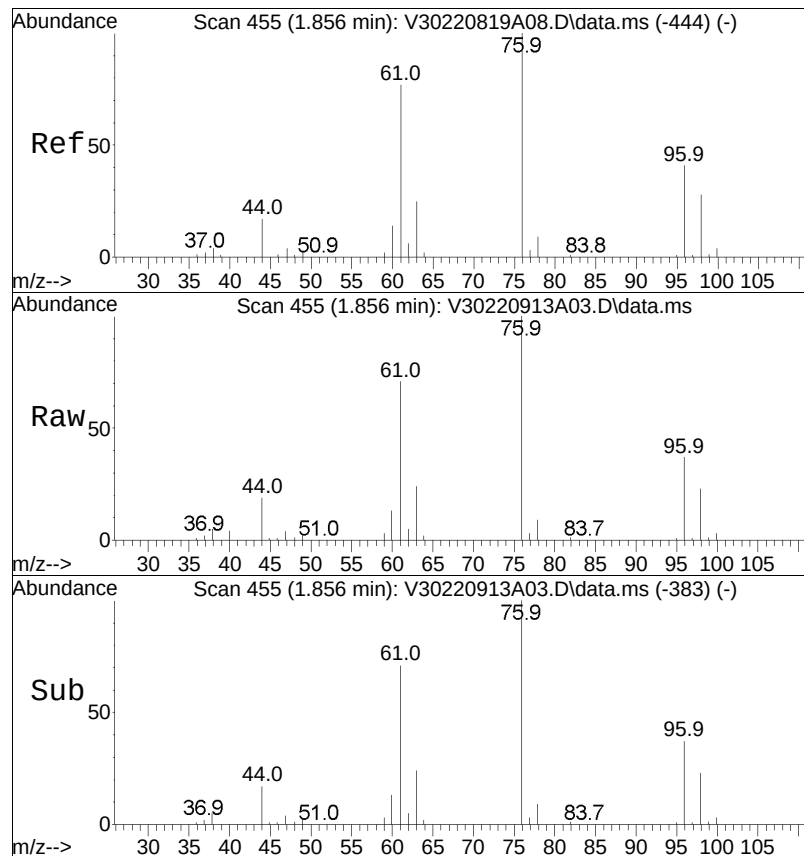




#8
 Ethyl ether
 Concen: 8.39 ug/L
 RT: 1.725 min Scan# 408
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

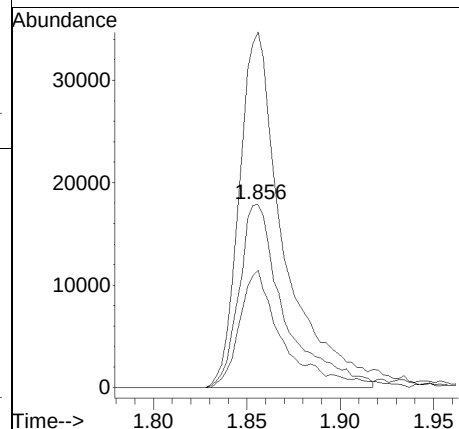
Tgt Ion:	74	Resp:	11709
Ion	Ratio	Lower	Upper
74	100		
59	163.8	122.2	253.8
45	116.1	91.9	190.9
43	36.0	25.2	52.2

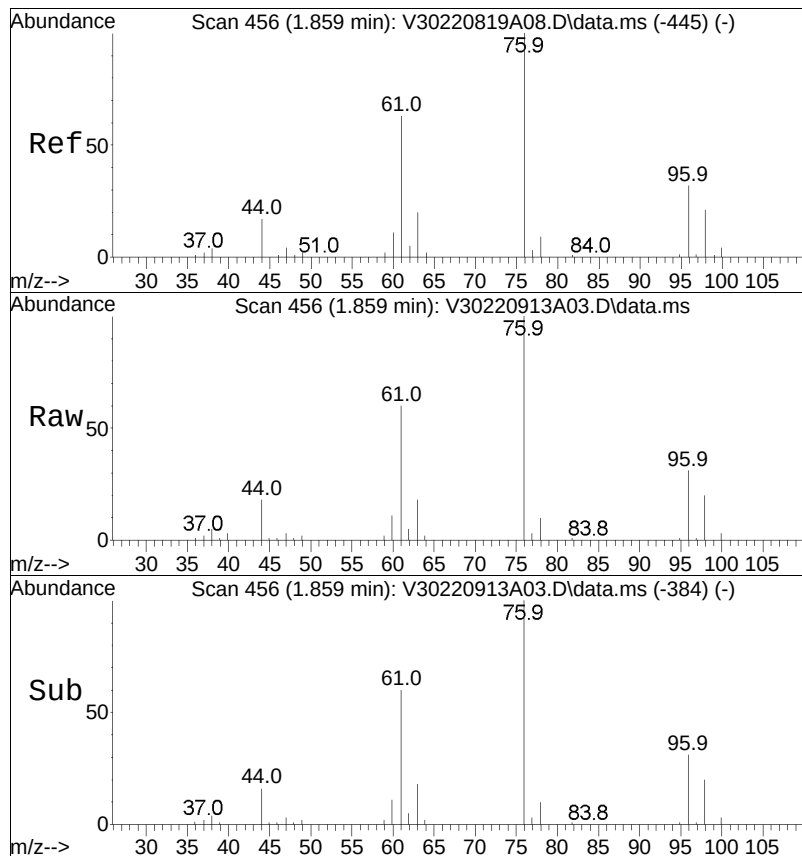




#10
 1,1-Dichloroethene
 Concen: 9.63 ug/L
 RT: 1.856 min Scan# 455
 Delta R.T. -0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

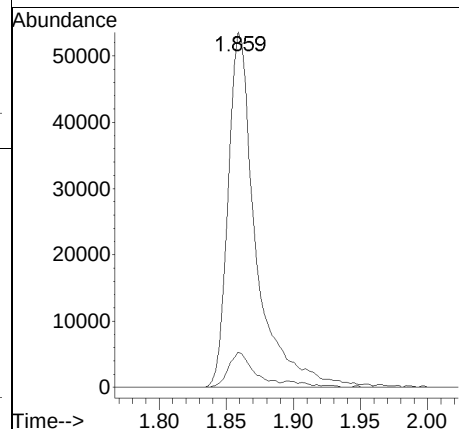
Tgt Ion:	96	Resp:	30286
Ion Ratio	Lower	Upper	
96	100		
61	194.4	186.1	279.1
63	62.1	57.6	86.4

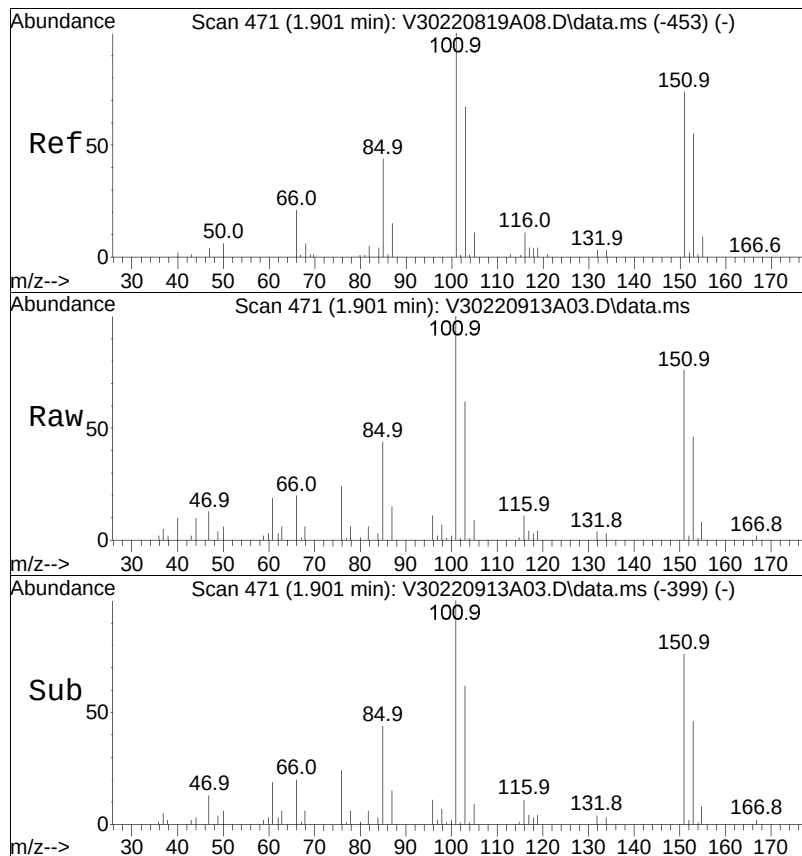




#11
 Carbon disulfide
 Concen: 10.00 ug/L
 RT: 1.859 min Scan# 456
 Delta R.T. -0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

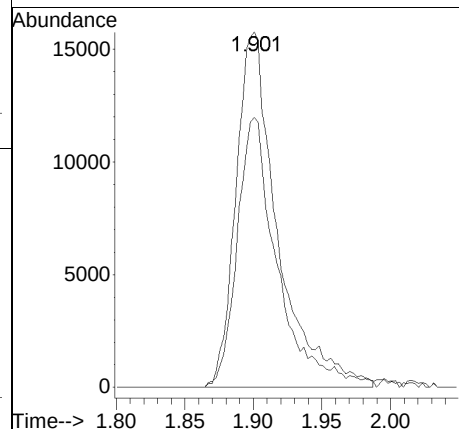
Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	5.7	11.7

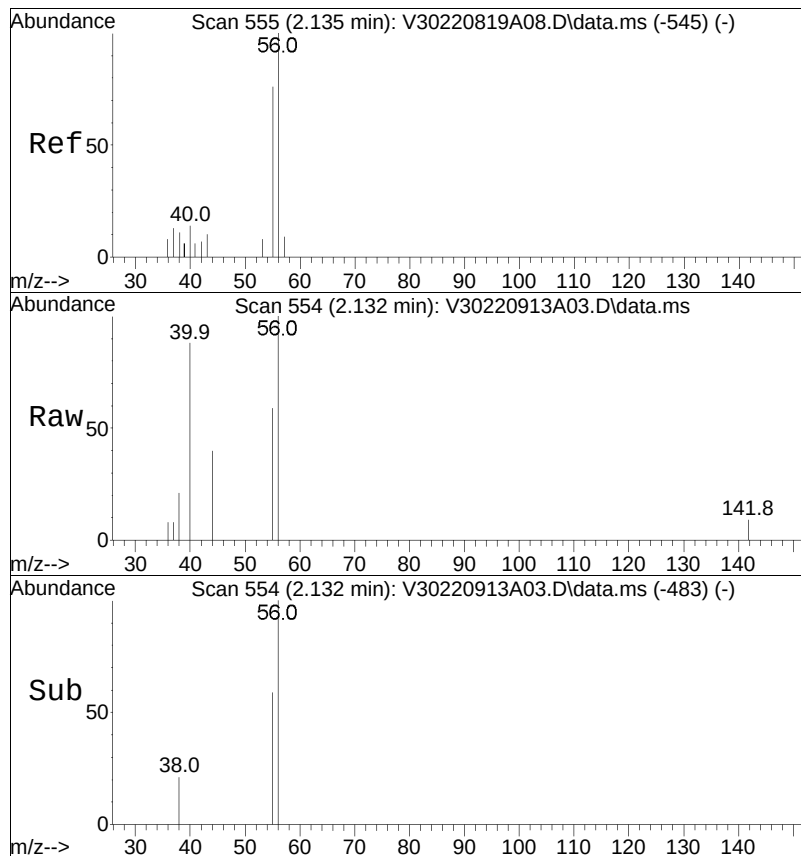




#12
 Freon-113
 Concen: 9.57 ug/L
 RT: 1.901 min Scan# 471
 Delta R.T. -0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

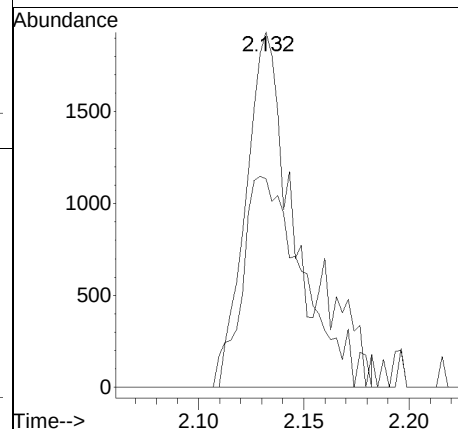
Tgt Ion	101	151	Ratio	Lower	Upper
Resp	33427				
Ion	100	73.3		59.8	89.8

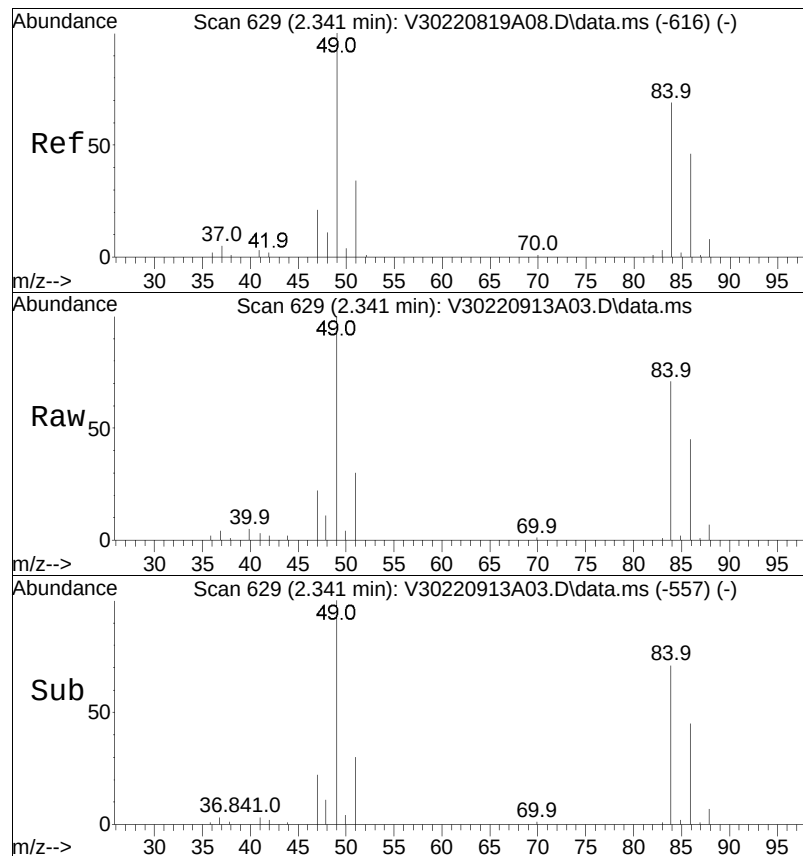




#14
 Acrolein
 Concen: 9.70 ug/L M4
 RT: 2.132 min Scan# 554
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

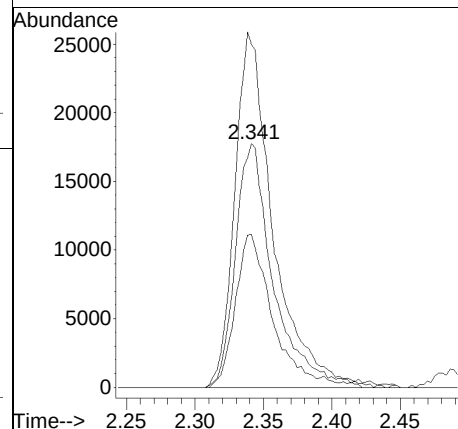
Tgt Ion	Ratio	Lower	Upper
56	100		
55	68.6	61.5	92.3

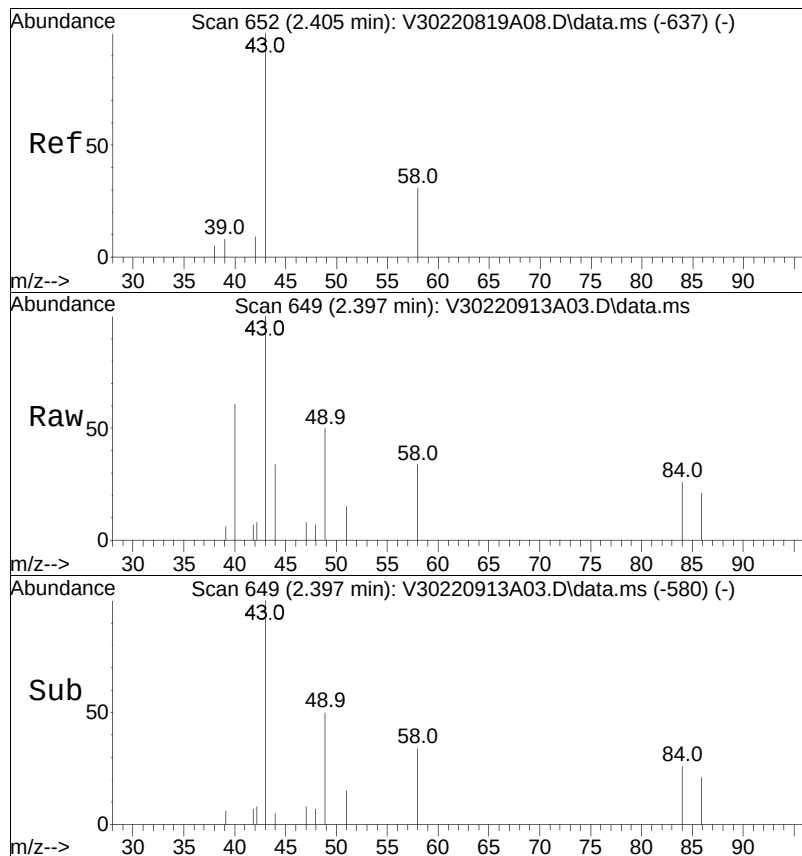




#15
Methylene chloride
Concen: 9.72 ug/L
RT: 2.341 min Scan# 629
Delta R.T. 0.000 min
Lab File: V30220913A03.D
Acq: 13 Sep 2022 07:21 am

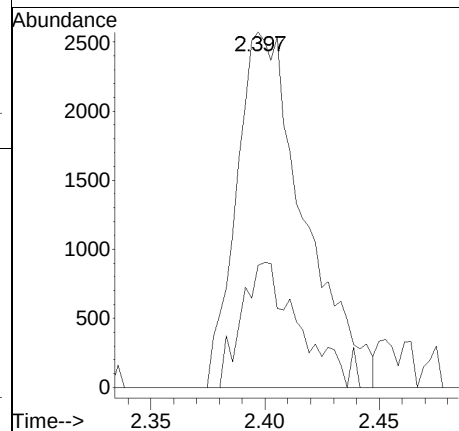
Tgt Ion:	84	Resp:	34271
Ion Ratio	Lower	Upper	
84	100		
86	61.6	40.4	83.8
49	147.3	120.0	249.2

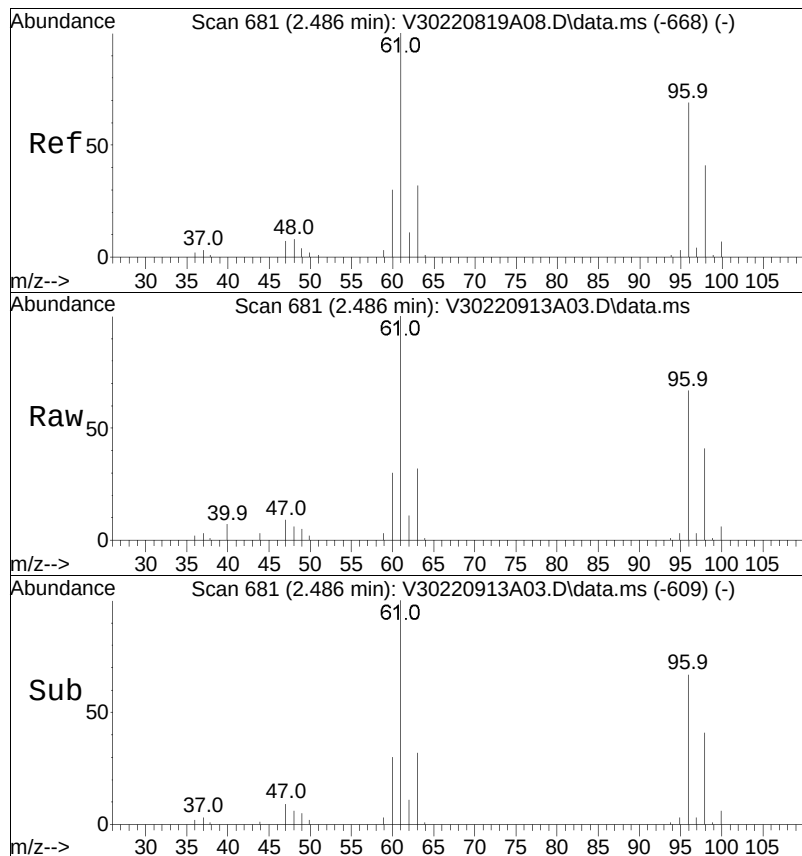




#17
 Acetone
 Concen: 9.71 ug/L
 RT: 2.397 min Scan# 649
 Delta R.T. -0.008 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

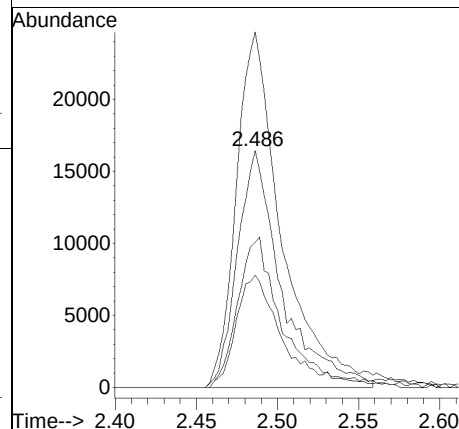
Tgt Ion:	43	58	Ratio	100	29.3	Resp:	5291	Lower	Upper
Ion	43	58	Ratio	100	29.3	Resp:	5291	Lower	Upper
								24.2	36.4

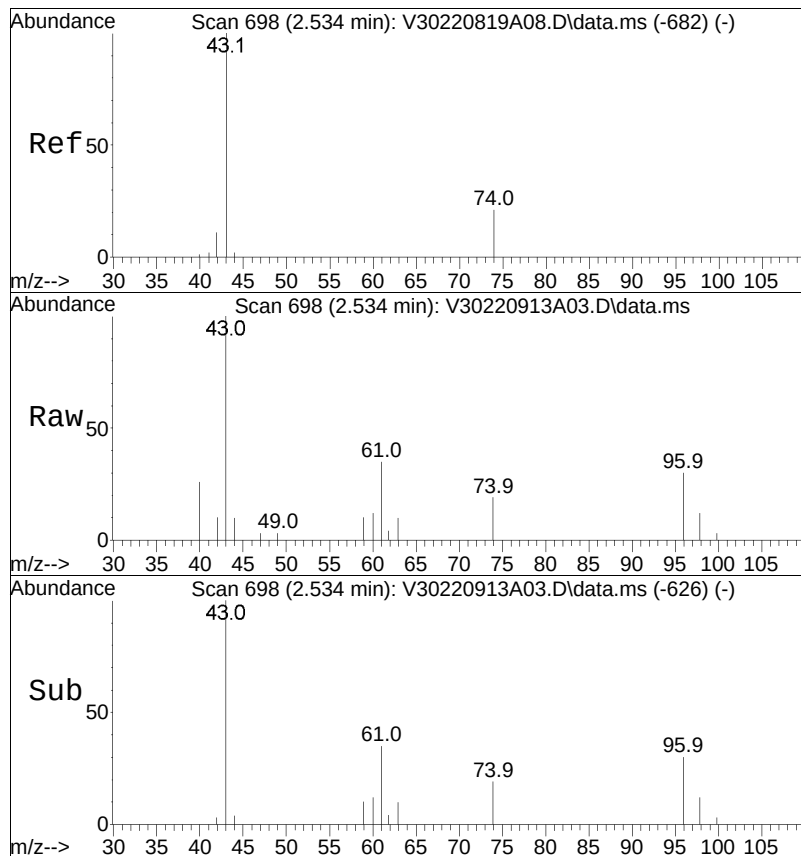




#18
 trans-1,2-Dichloroethene
 Concen: 9.20 ug/L
 RT: 2.486 min Scan# 681
 Delta R.T. 0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

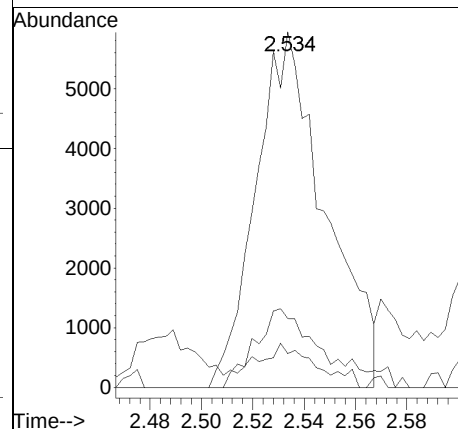
Tgt Ion:	96	Resp:	31280
Ion Ratio	Lower	Upper	
96	100		
61	152.0	124.0	257.6
98	64.4	41.2	85.6
63	49.7	38.4	79.7

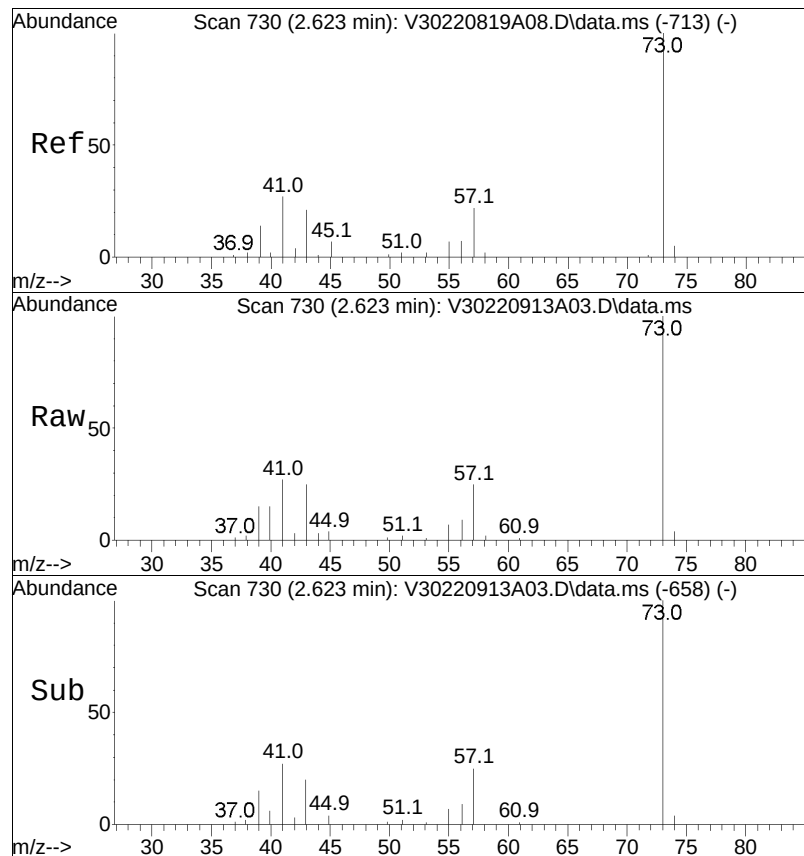




#19
Methyl acetate
Concen: 7.89 ug/L
RT: 2.534 min Scan# 698
Delta R.T. -0.000 min
Lab File: V30220913A03.D
Acq: 13 Sep 2022 07:21 am

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	14.2	21.4
59	5.8	5.0	7.6





#20

Methyl tert-butyl ether

Concen: 7.14 ug/L

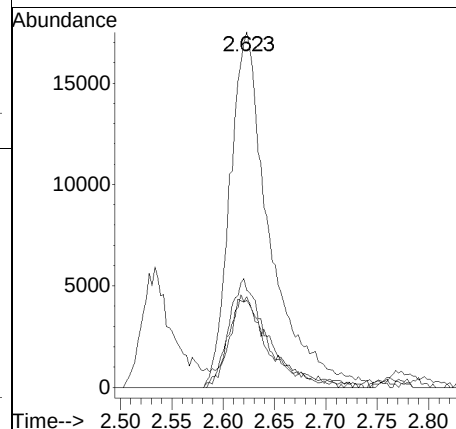
RT: 2.623 min Scan# 730

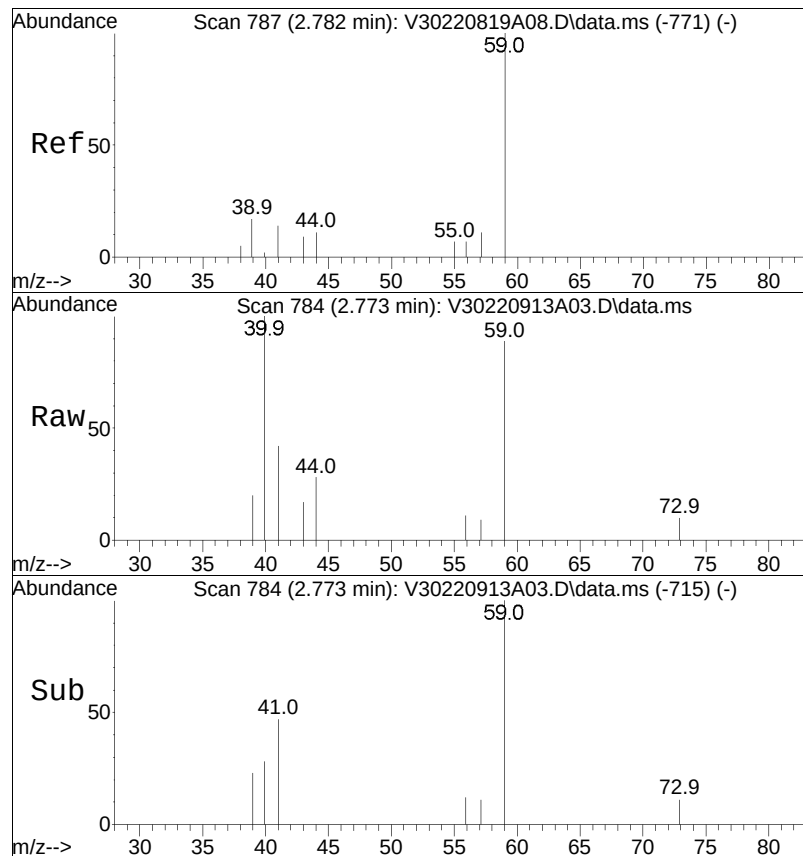
Delta R.T. -0.000 min

Lab File: V30220913A03.D

Acq: 13 Sep 2022 07:21 am

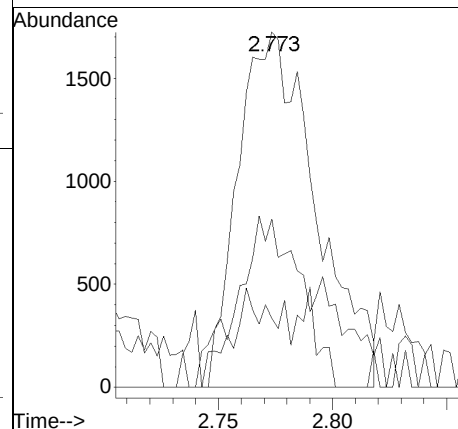
Tgt Ion: 73	Resp: 47305
Ion Ratio	Lower Upper
73 100	
57 22.8	17.5 36.3
43 19.2	15.3 31.9
41 29.0	15.3 31.7

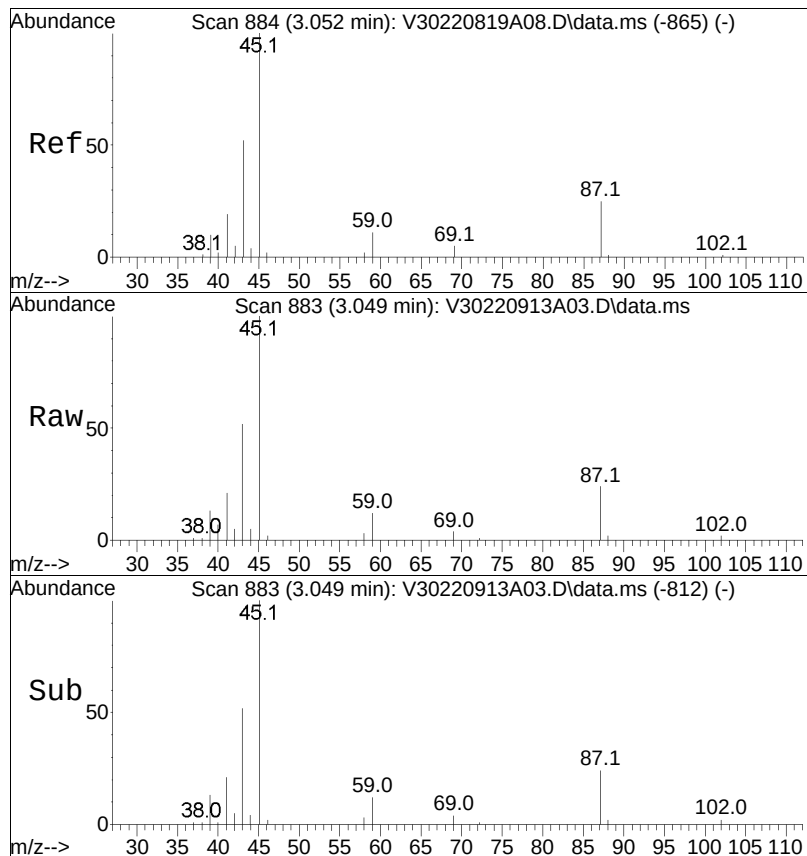




#21
 tert-Butyl alcohol
 Concen: 40.09 ug/L
 RT: 2.773 min Scan# 784
 Delta R.T. -0.009 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

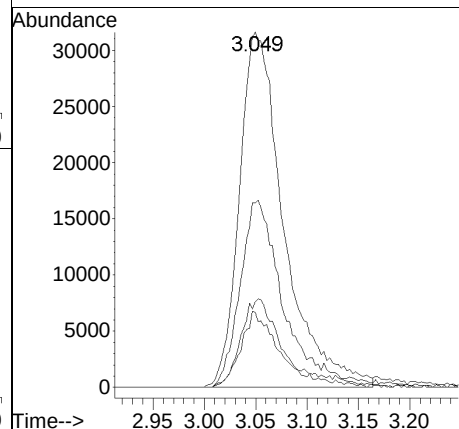
Tgt	Ion: 59	Resp:	4101
Ion	Ratio	Lower	Upper
59	100		
41	36.6	5.8	12.2#
43	6.9	3.8	7.8

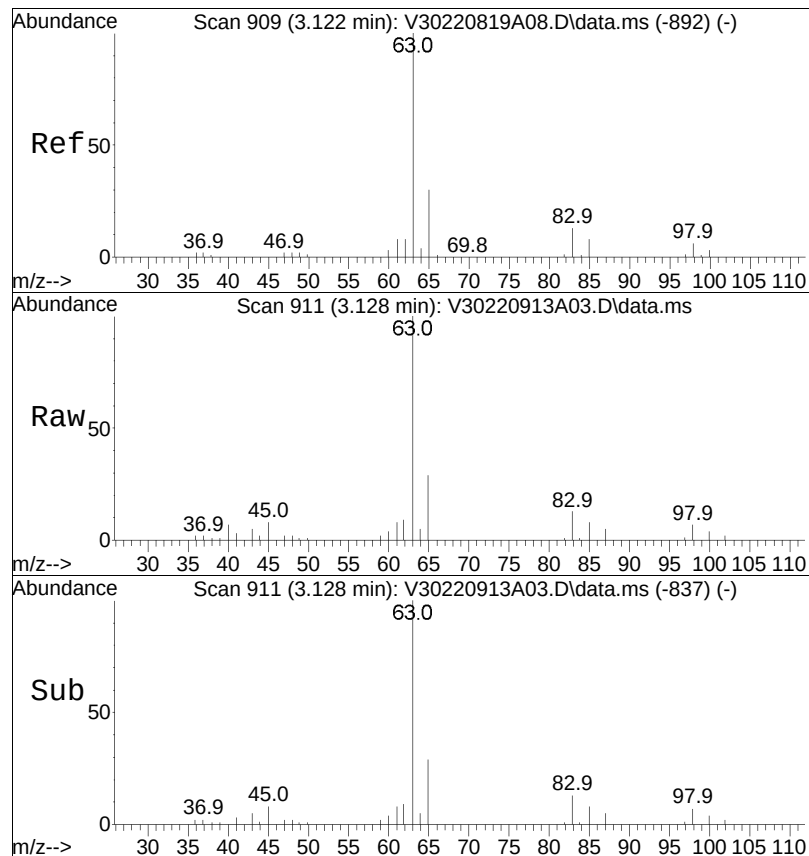




#22
 Diisopropyl ether
 Concen: 8.28 ug/L
 RT: 3.049 min Scan# 883
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

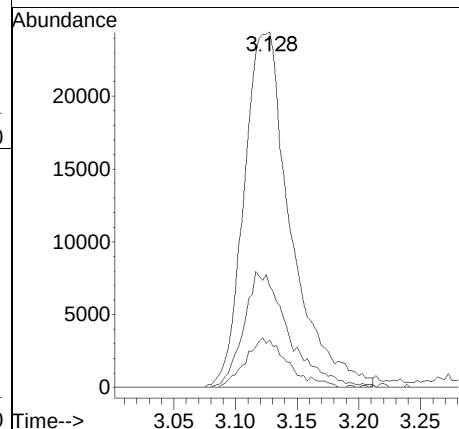
Tgt	Ion: 45	Resp:	95449
Ion	Ratio	Lower	Upper
45	100		
43	50.3	29.5	61.3
87	22.8	11.9	24.7
41	18.0	9.9	20.5

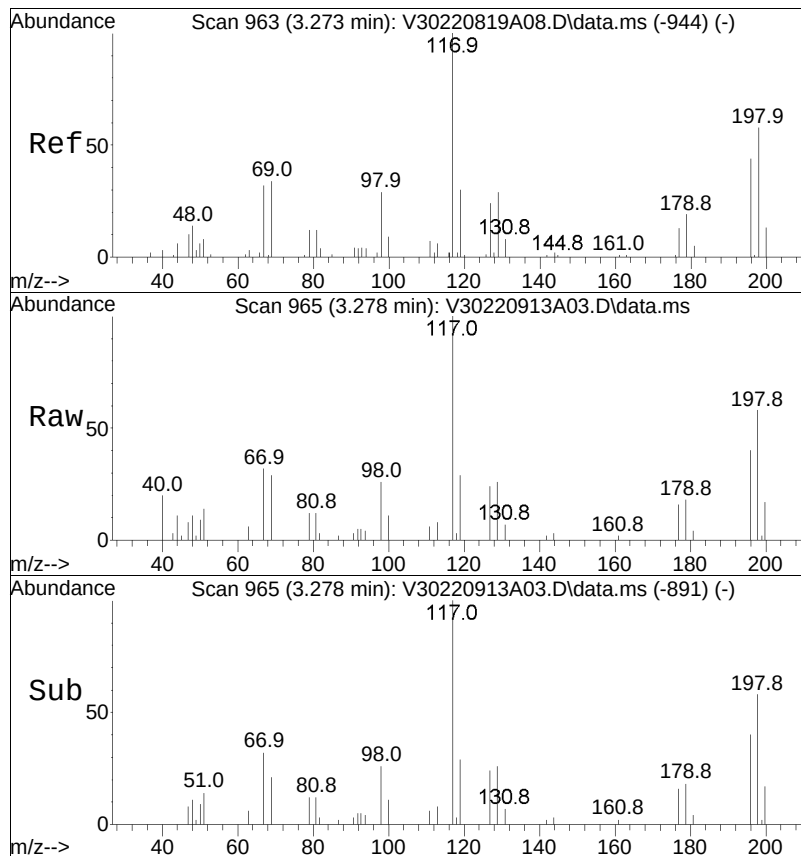




#23
 1,1-Dichloroethane
 Concen: 9.43 ug/L
 RT: 3.128 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

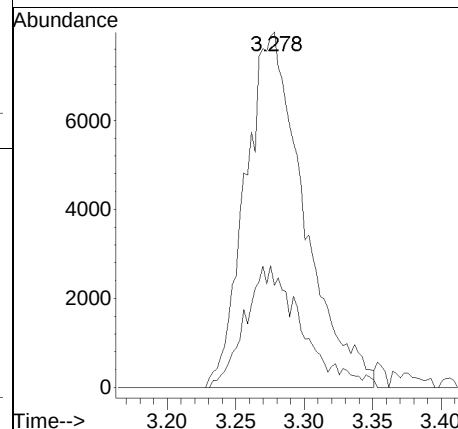
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	11.0	51.0
83	12.7	0.0	31.8

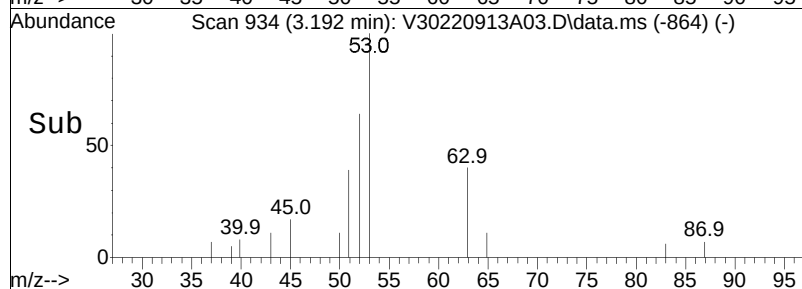
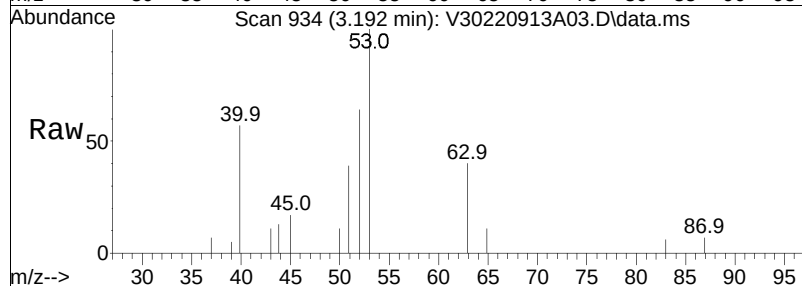
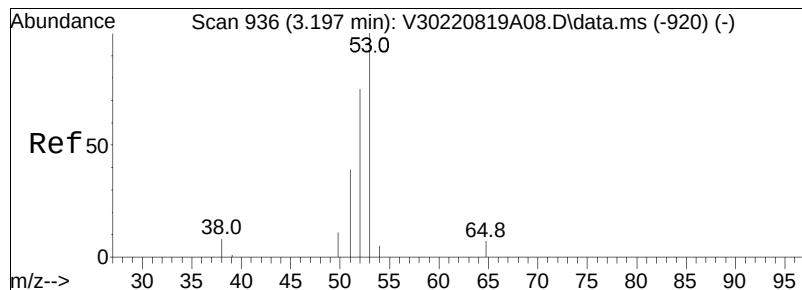




#24
 Halothane
 Concen: 9.04 ug/L
 RT: 3.278 min Scan# 965
 Delta R.T. 0.005 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

Tgt Ion	Ratio	Lower	Upper
117	100		
119	13.4	20.4	42.4#





#25

Acrylonitrile

Concen: 8.37 ug/L

RT: 3.192 min Scan# 934

Delta R.T. -0.005 min

Lab File: V30220913A03.D

Acq: 13 Sep 2022 07:21 am

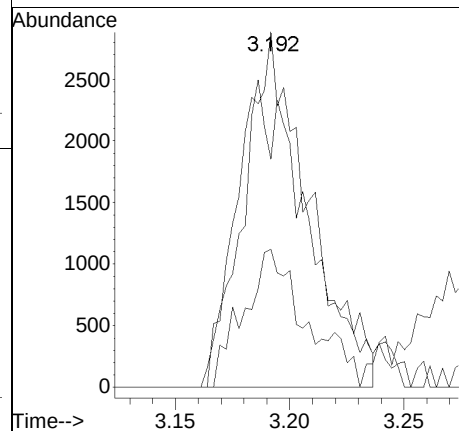
Tgt Ion: 53 Resp: 6003

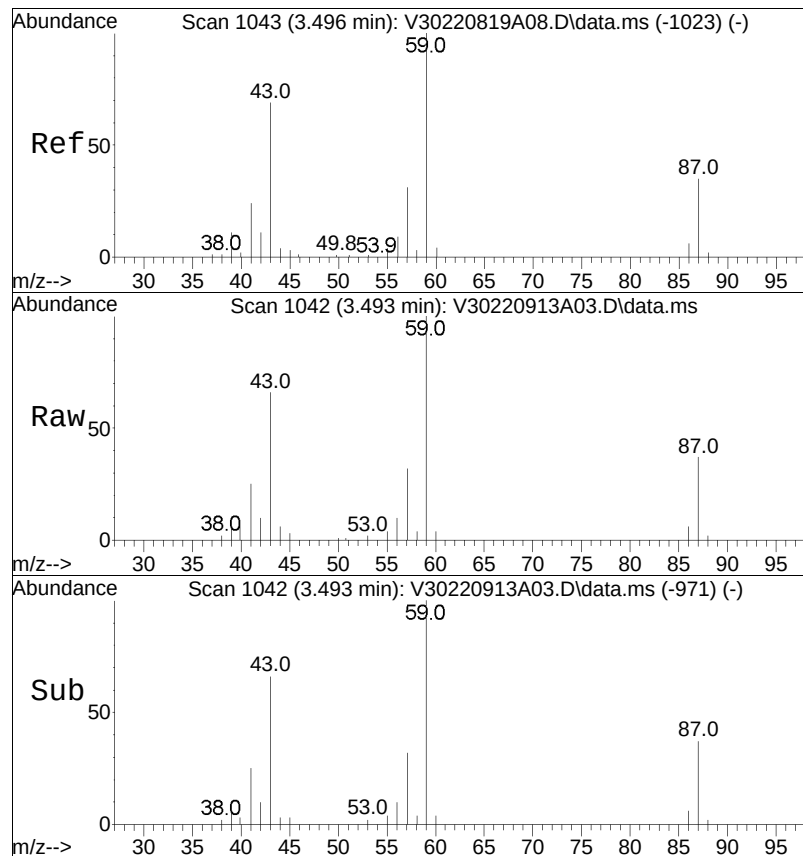
Ion Ratio Lower Upper

53 100

52 39.4 66.7 100.1#

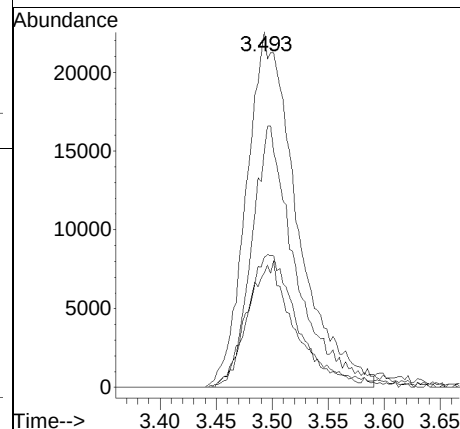
51 32.1 30.6 46.0

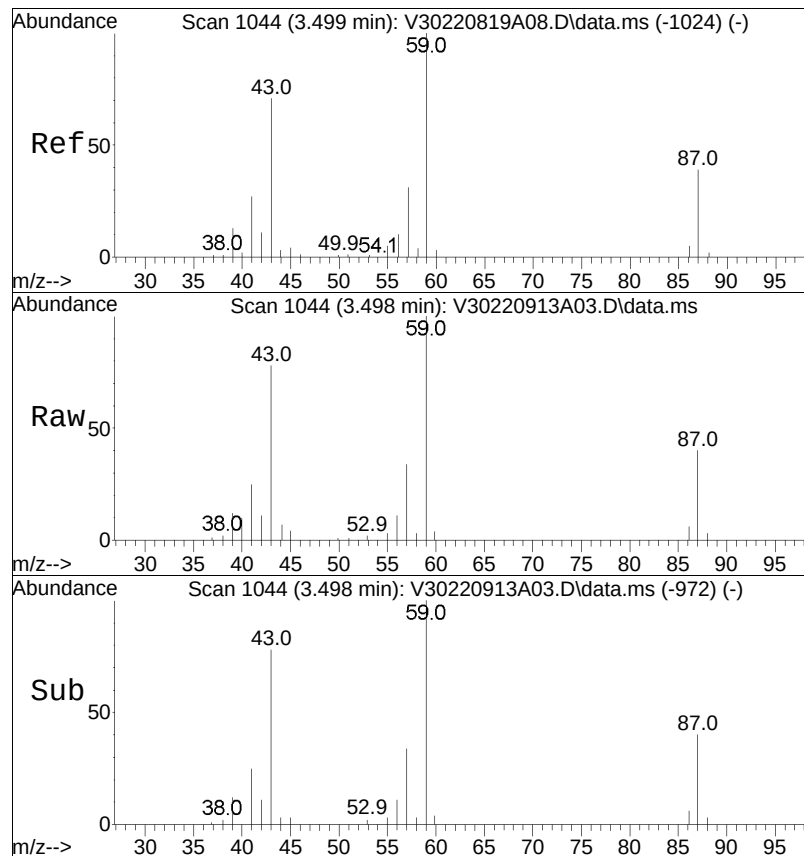




#26
 Ethyl tert-butyl ether
 Concen: 7.80 ug/L
 RT: 3.493 min Scan# 1042
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

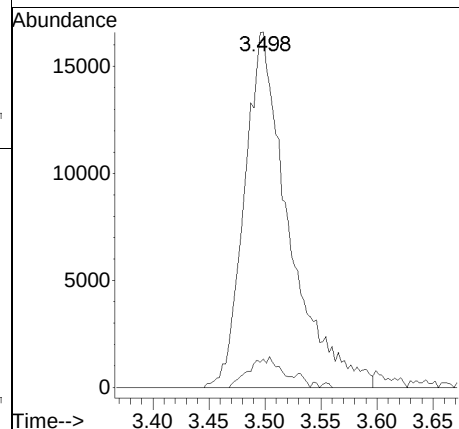
Tgt Ion:	59	Resp:	71341
Ion Ratio	Lower	Upper	
59	100		
87	36.9	20.9	43.3
57	33.2	20.6	42.8
43	64.2	38.5	79.9

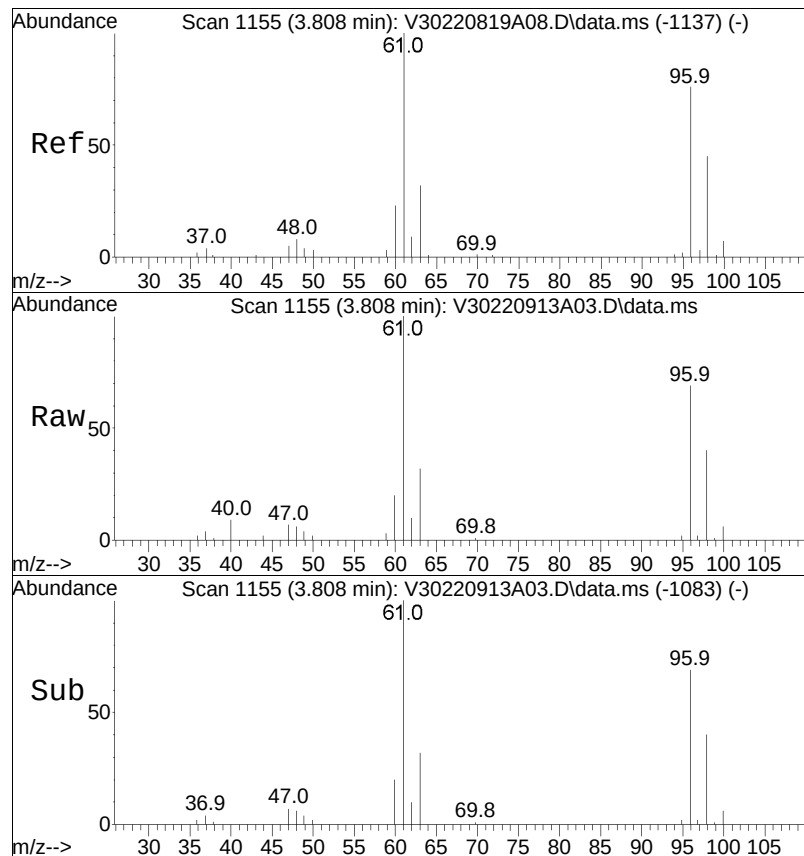




#27
 Vinyl acetate
 Concen: 7.54 ug/L
 RT: 3.498 min Scan# 1044
 Delta R.T. -0.001 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

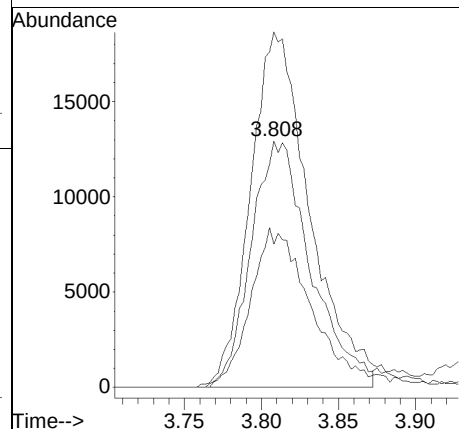
Tgt Ion: 43 Resp: 45791
 Ion Ratio Lower Upper
 43 100
 86 3.5 5.2 7.8#

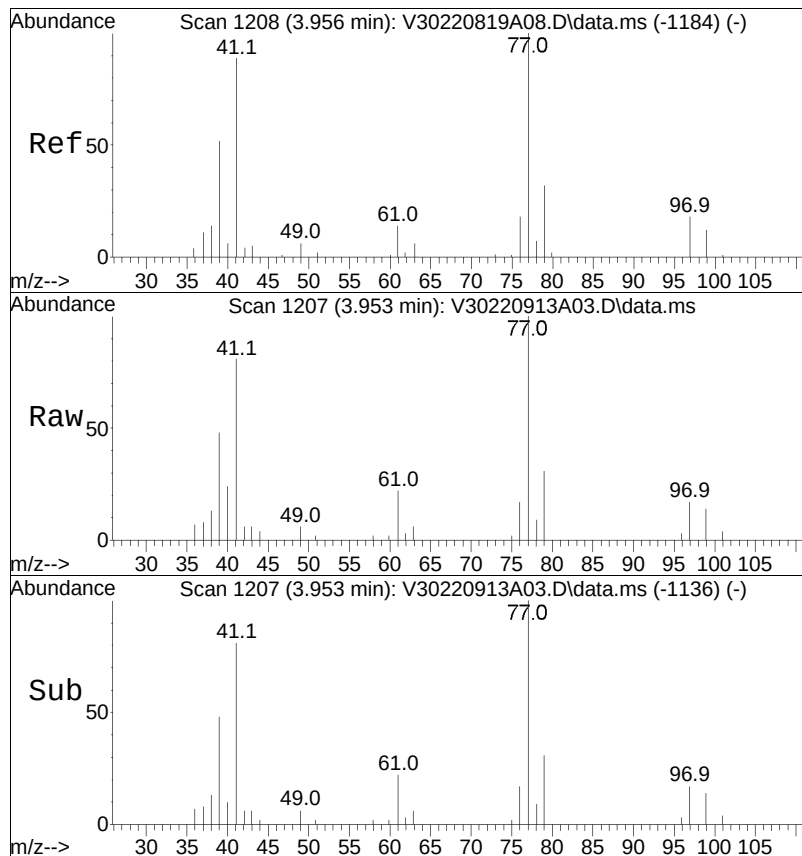




#28
 cis-1,2-Dichloroethene
 Concen: 8.95 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

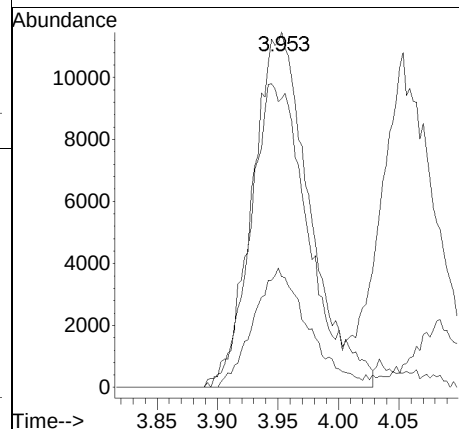
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.5	149.4	224.2#
98	64.5	53.4	80.2

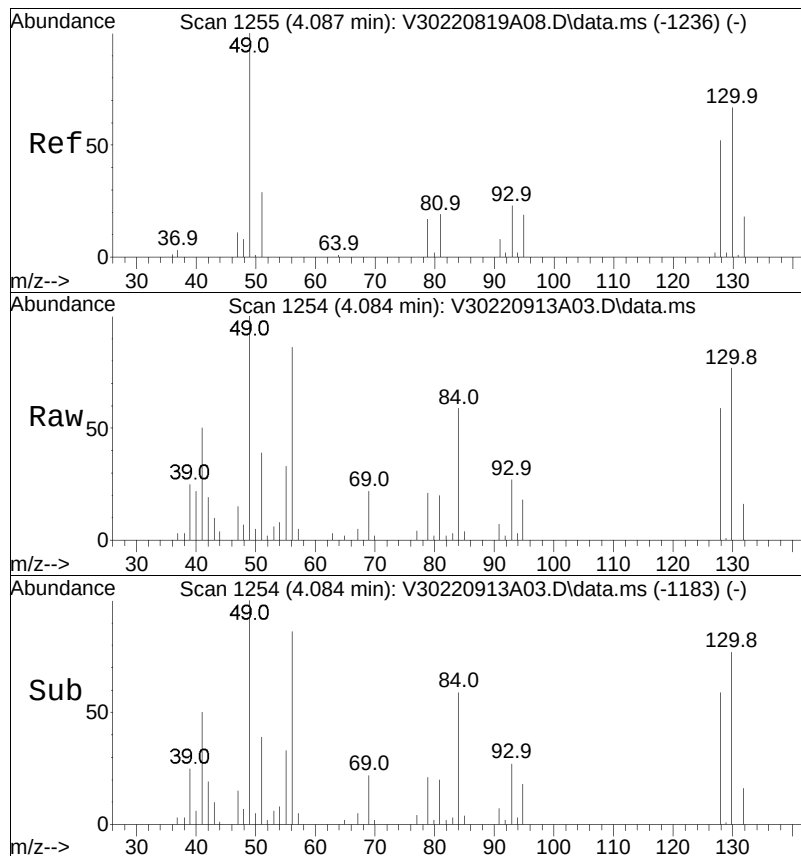




#29
 2,2-Dichloropropane
 Concen: 8.42 ug/L
 RT: 3.953 min Scan# 1207
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

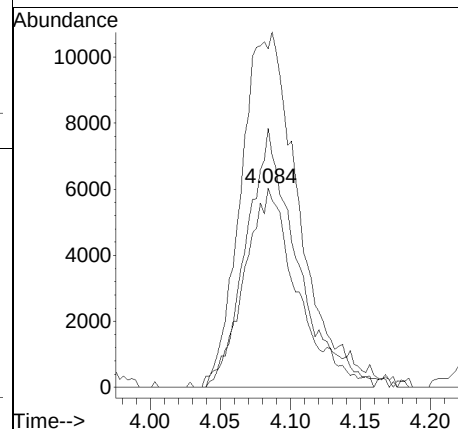
Tgt Ion	Ratio	Lower	Upper
77	100		
41	83.2	38.0	78.8#
79	32.1	20.5	42.5

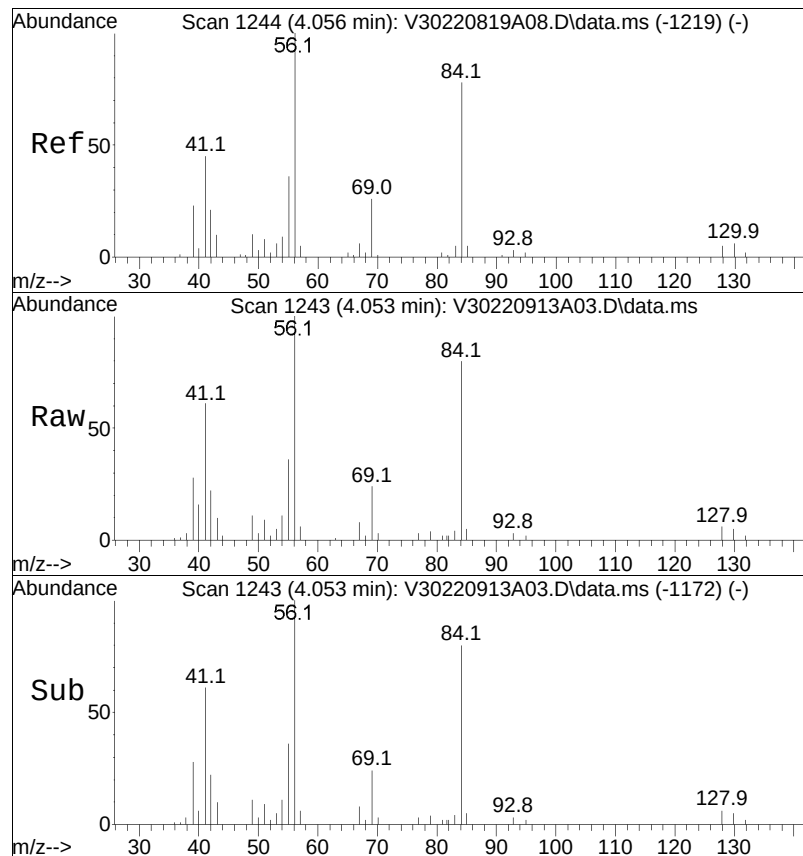




#30
 Bromochloromethane
 Concen: 9.39 ug/L
 RT: 4.084 min Scan# 1254
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

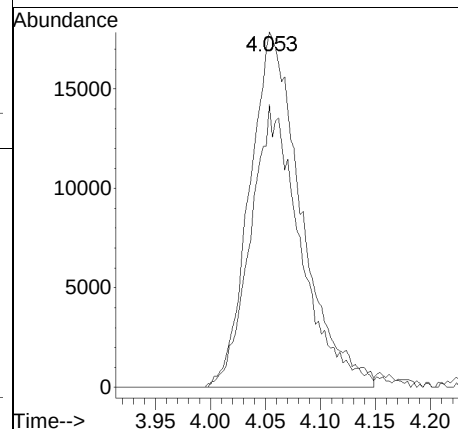
Tgt Ion:	128	Resp:	15970
Ion Ratio	Lower	Upper	
128	100		
49	193.9	223.0	334.4#
130	125.3	111.4	167.0

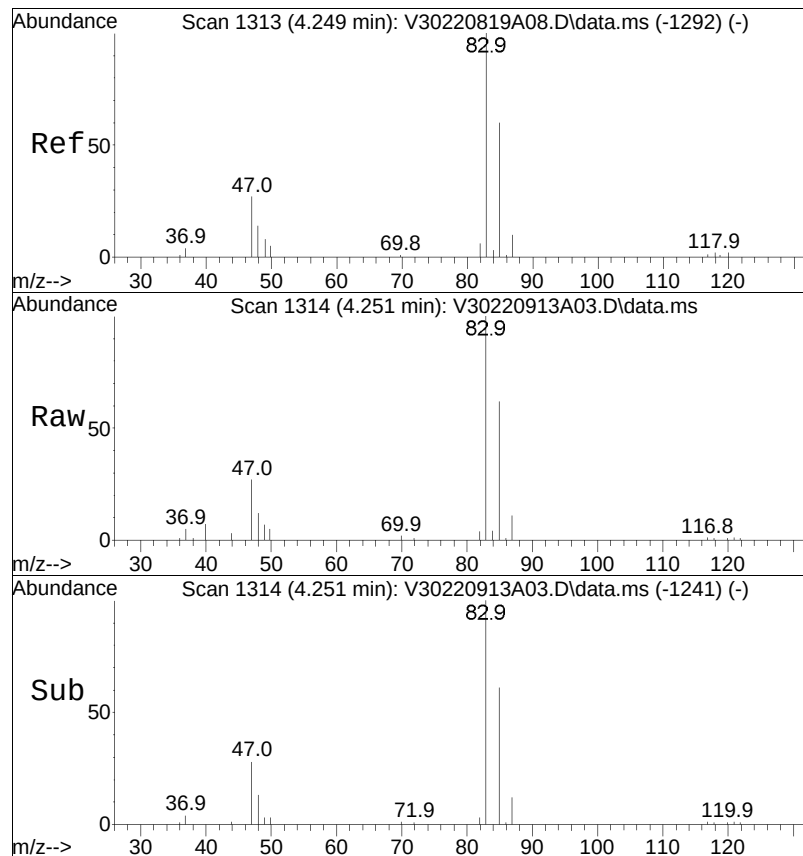




#31
 Cyclohexane
 Concen: 8.68 ug/L
 RT: 4.053 min Scan# 1243
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

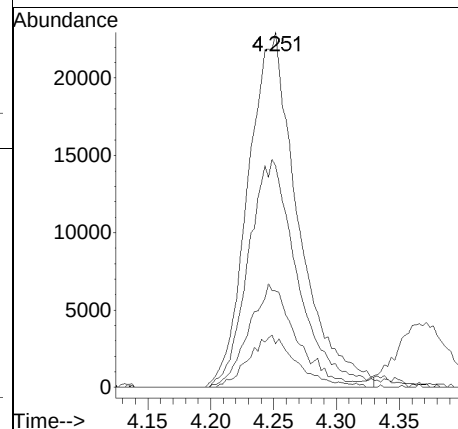
Tgt	Ion	Resp	Lower	Upper
56	100	58529		
84	77.3	38.4	79.8	

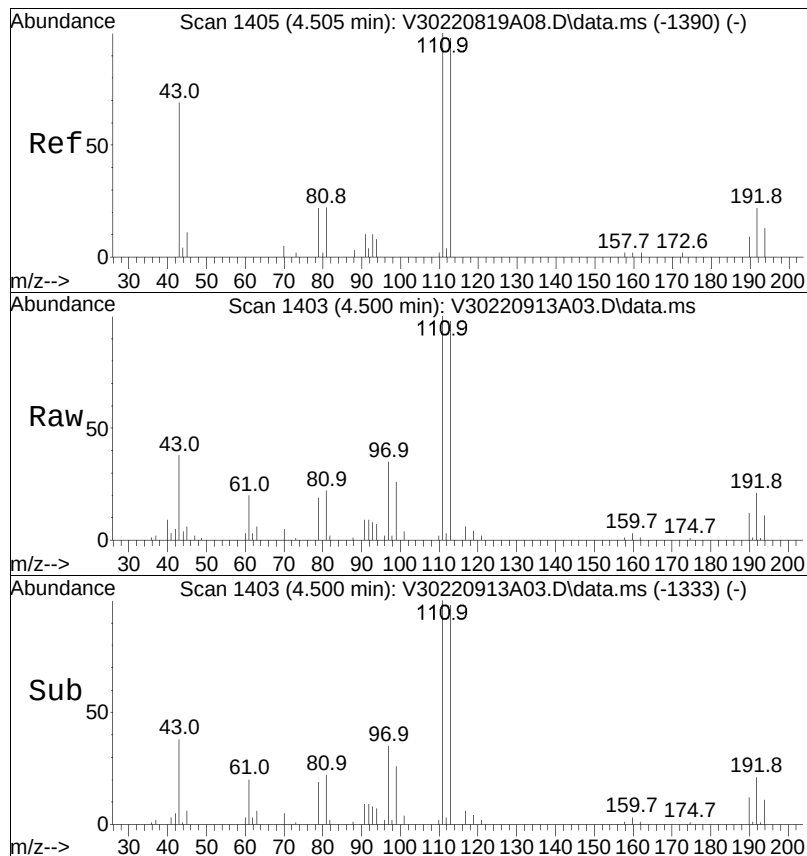




#32
 Chloroform
 Concen: 9.56 ug/L
 RT: 4.251 min Scan# 1314
 Delta R.T. 0.002 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

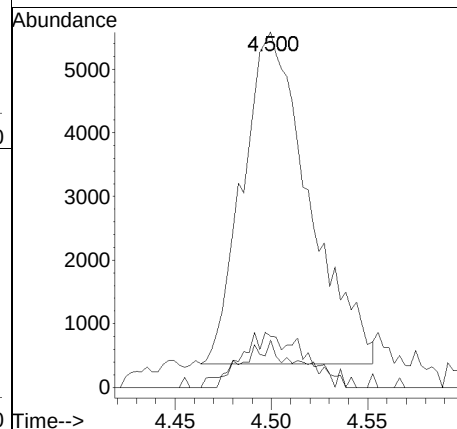
Tgt Ion:	83	Resp:	63723
Ion Ratio	Lower	Upper	
83	100		
85	63.7	41.5	86.1
47	27.7	19.0	39.4
48	14.0	9.9	20.5

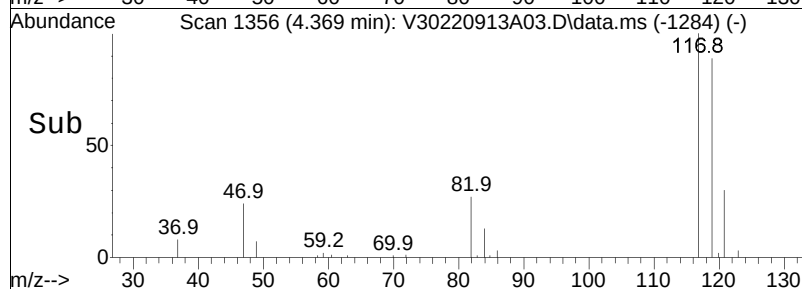
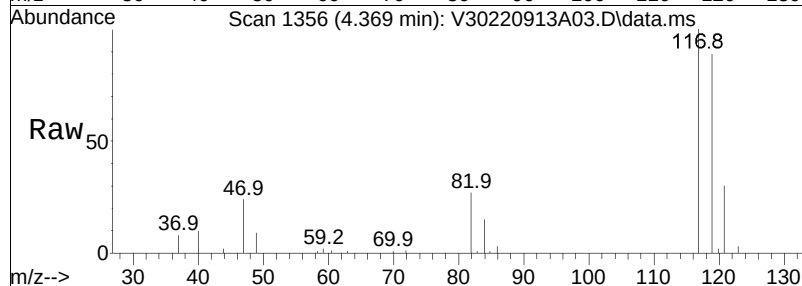
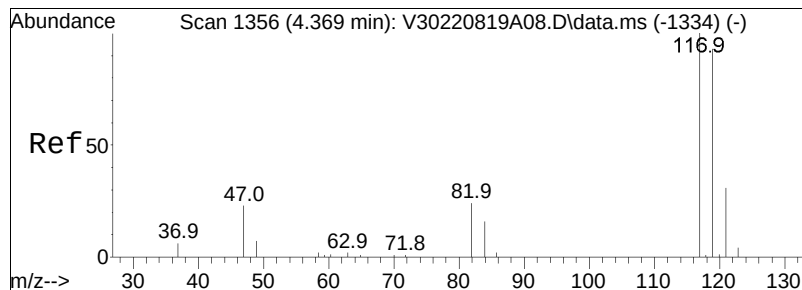




#33
 Ethyl acetate
 Concen: 6.38 ug/L
 RT: 4.500 min Scan# 1403
 Delta R.T. -0.005 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

Tgt Ion:	43	Resp:	12426
Ion Ratio	Lower	Upper	
43	100		
45	9.3	12.2	18.2#
70	12.7	4.1	6.1#





#34

Carbon tetrachloride

Concen: 9.79 ug/L

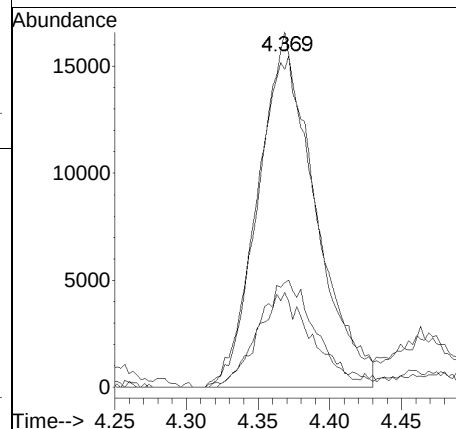
RT: 4.369 min Scan# 1356

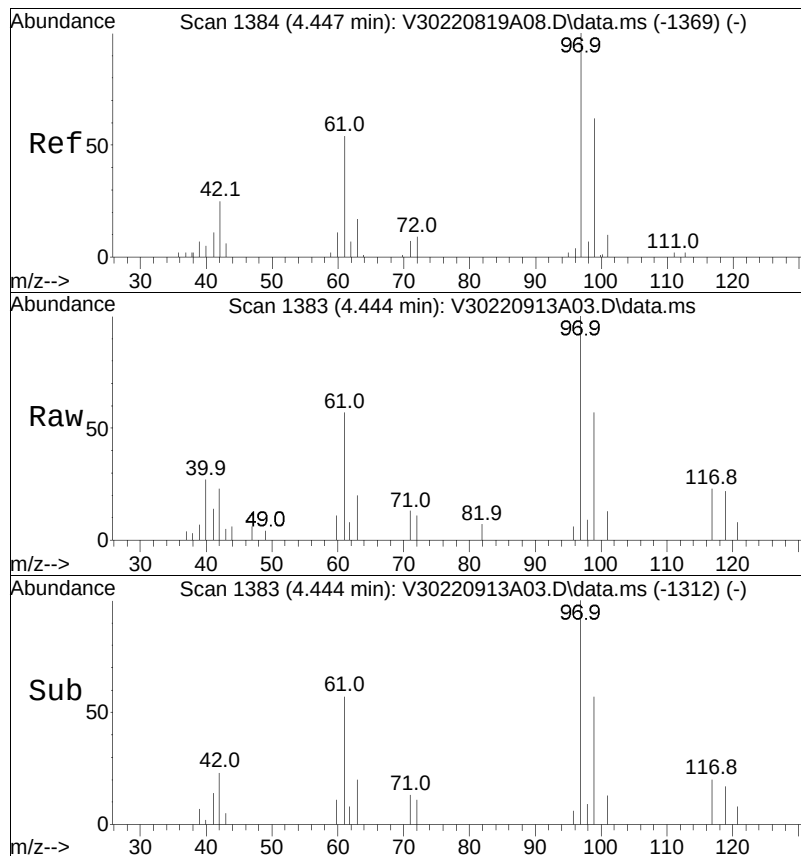
Delta R.T. -0.000 min

Lab File: V30220913A03.D

Acq: 13 Sep 2022 07:21 am

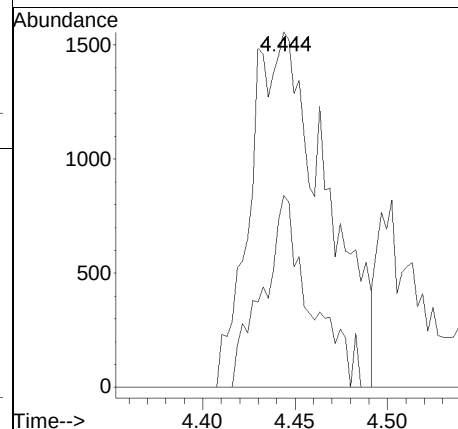
Tgt Ion:	117	Resp:	46326
Ion Ratio	Lower	Upper	
117	100		
119	97.1	62.4	129.6
121	29.5	19.5	40.5
82	25.6	17.0	35.4

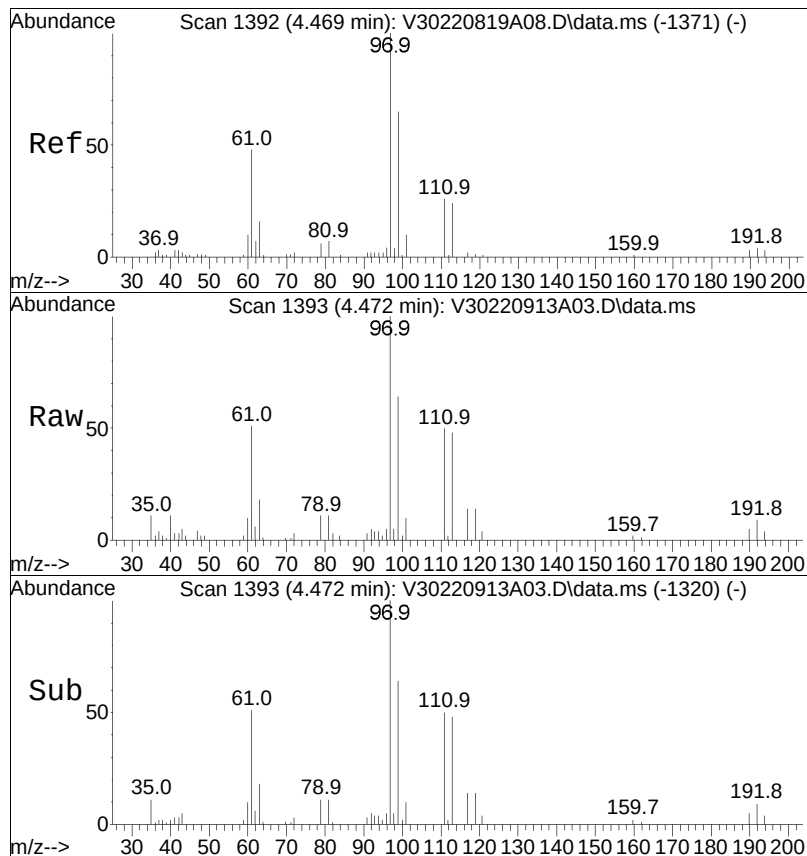




#35
 Tetrahydrofuran
 Concen: 8.35 ug/L M3
 RT: 4.444 min Scan# 1383
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

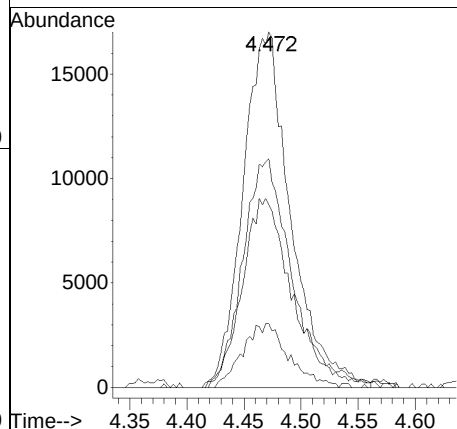
Tgt Ion:	42	Resp:	4412
Ion Ratio	Lower	Upper	
42	100		
71	27.5	18.4	27.6

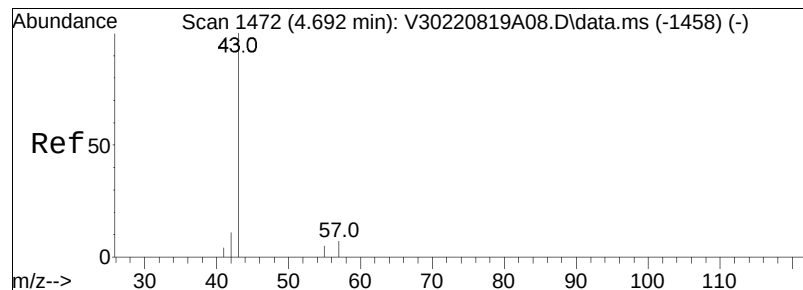




#37
 1,1,1-Trichloroethane
 Concen: 8.97 ug/L
 RT: 4.472 min Scan# 1393
 Delta R.T. 0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

Tgt	Ion: 97	Resp:	49649
Ion	Ratio	Lower	Upper
97	100		
99	65.3	40.7	84.5
61	56.2	35.4	73.4
63	7.9	5.0	10.4





#39

2-Butanone

Concen: 8.40 ug/L

RT: 4.684 min Scan# 1469

Delta R.T. -0.008 min

Lab File: V30220913A03.D

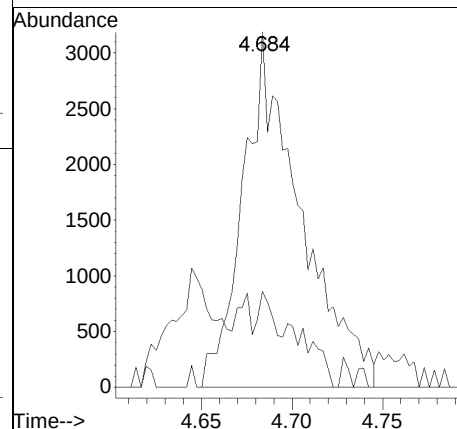
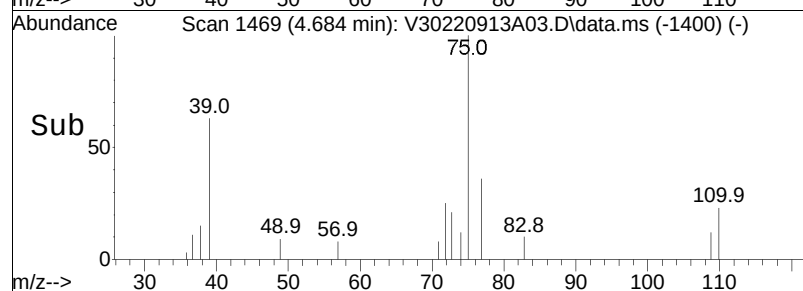
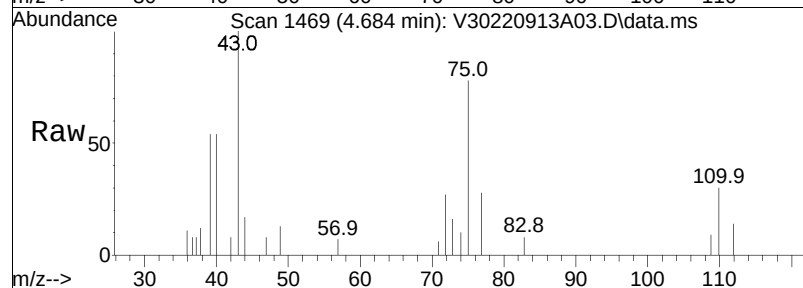
Acq: 13 Sep 2022 07:21 am

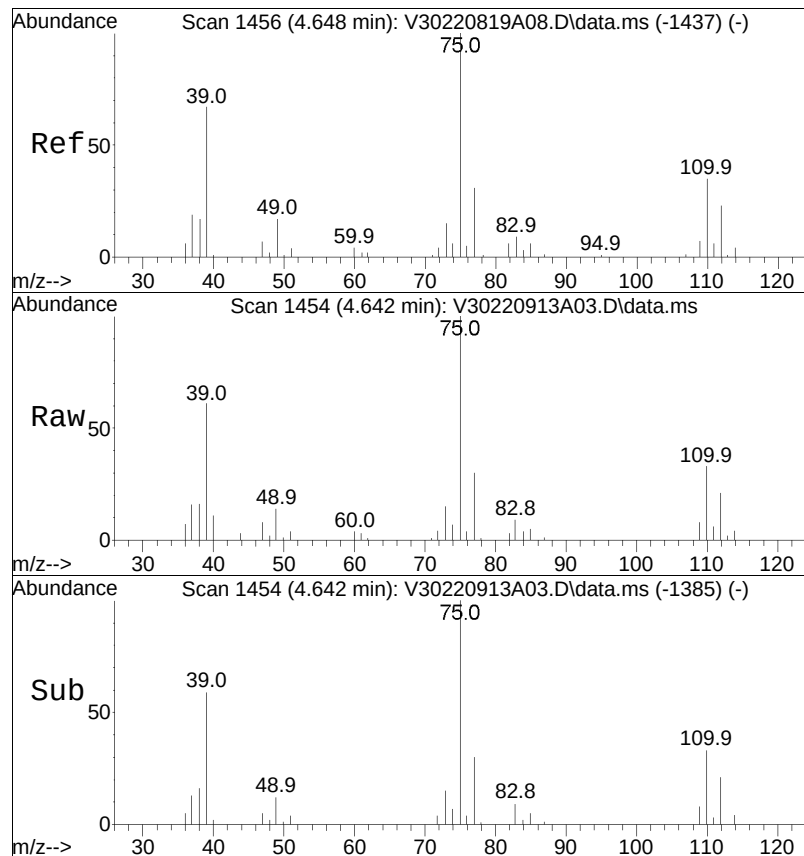
Tgt Ion: 43 Resp: 7000

Ion Ratio Lower Upper

43 100

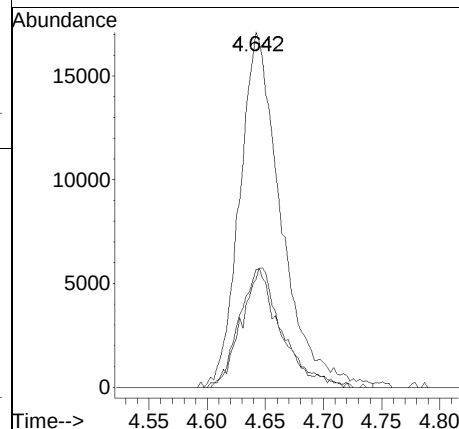
72 3.2 10.9 16.3#

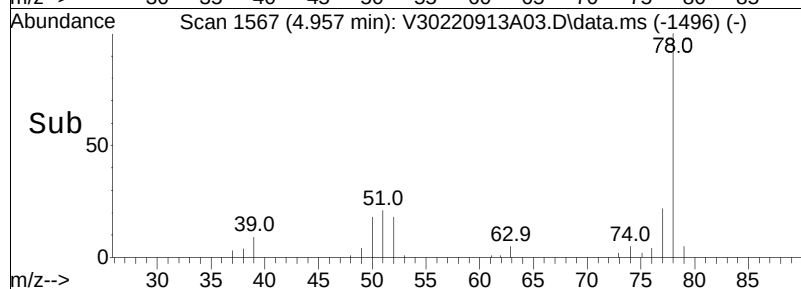
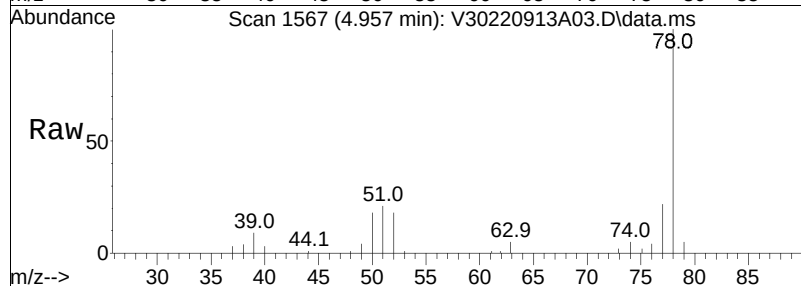
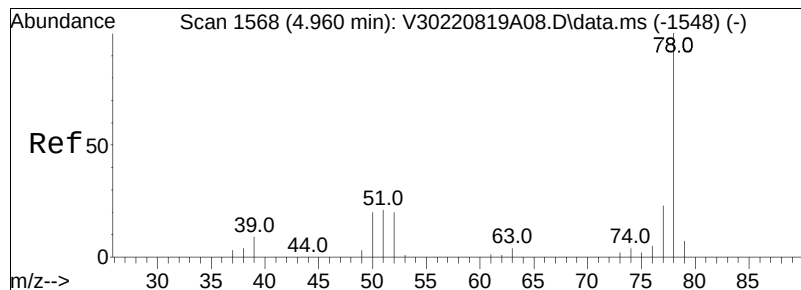




#40
 1,1-Dichloropropene
 Concen: 8.99 ug/L
 RT: 4.642 min Scan# 1454
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

Tgt	Ion: 75	Resp:	42374
Ion	Ratio	Lower	Upper
75	100		
110	35.0	20.2	41.9
77	30.8	20.1	41.7





#41

Benzene

Concen: 9.38 ug/L

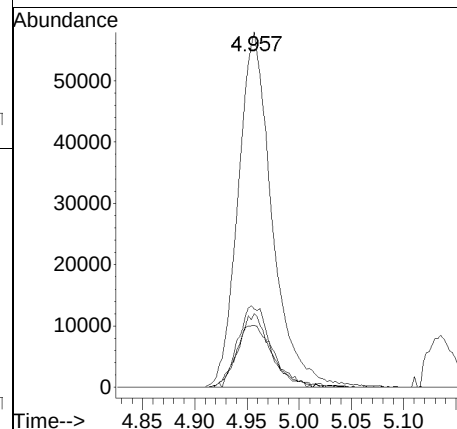
RT: 4.957 min Scan# 1567

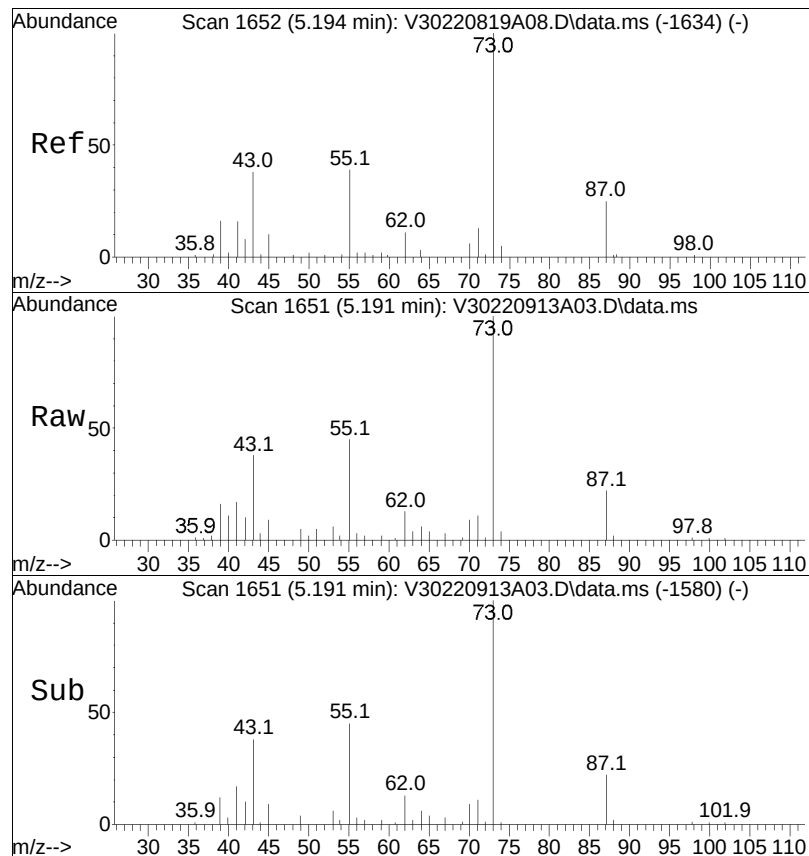
Delta R.T. -0.003 min

Lab File: V30220913A03.D

Acq: 13 Sep 2022 07:21 am

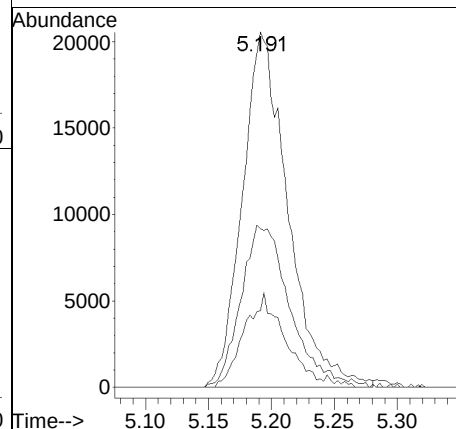
Tgt	Ion: 78	Resp:	131245
Ion	Ratio	Lower	Upper
78	100		
77	23.1	15.7	32.7
51	19.8	16.0	33.2
52	18.8	15.3	31.9

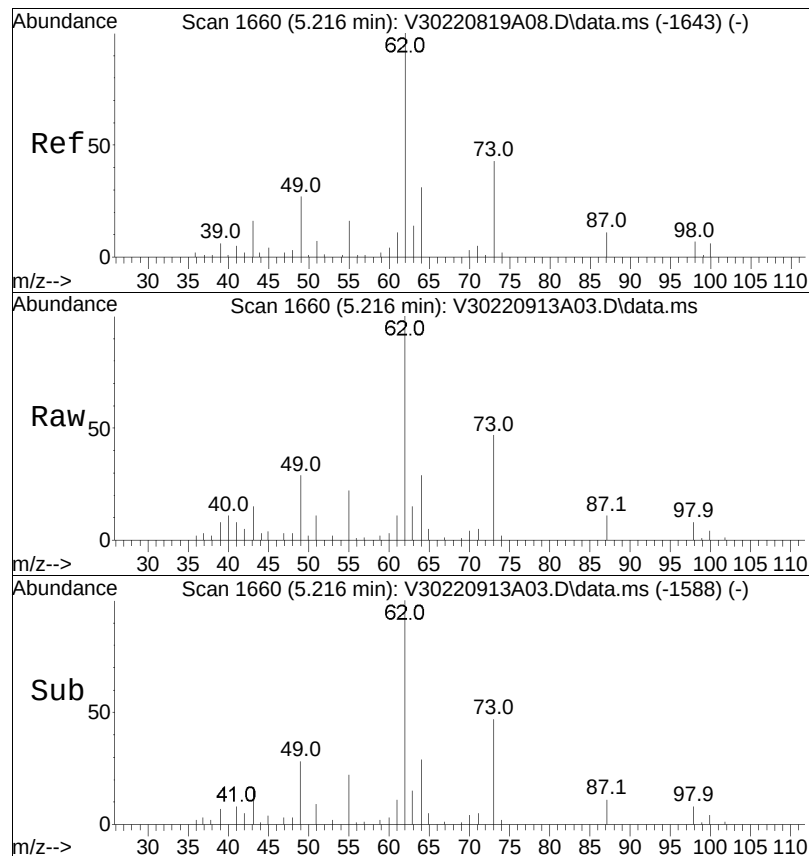




#42
 tert-Amyl methyl ether
 Concen: 7.09 ug/L
 RT: 5.191 min Scan# 1651
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

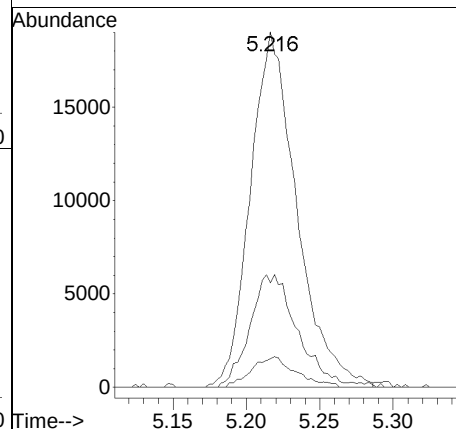
Tgt Ion	Ratio	Lower	Upper
73	100		
55	49.1	22.2	46.0#
87	23.7	17.2	35.8

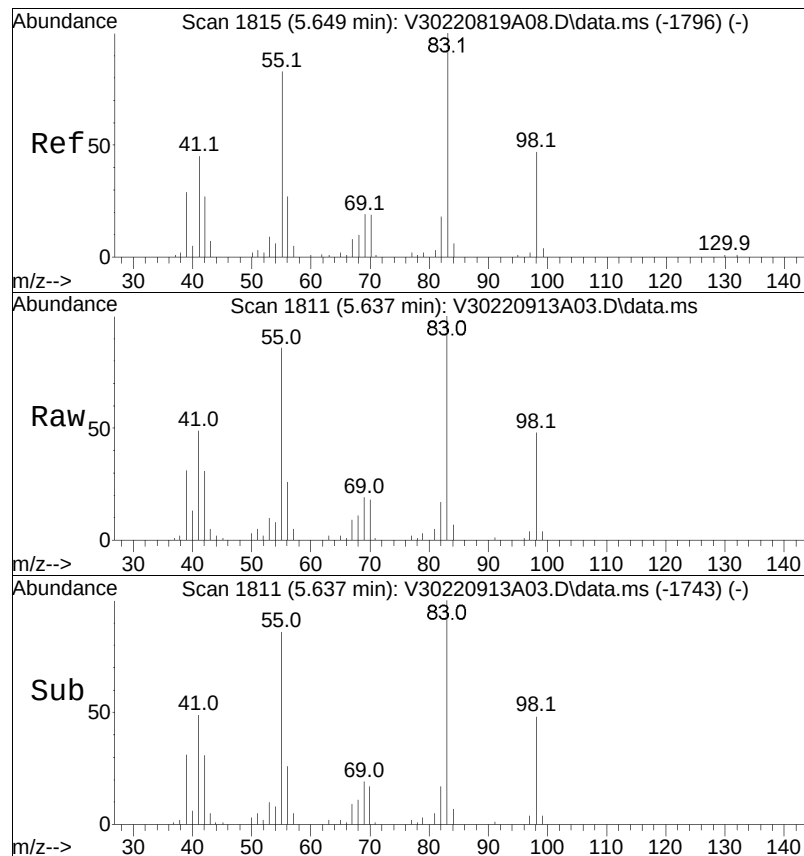




#44
 1,2-Dichloroethane
 Concen: 8.55 ug/L
 RT: 5.216 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

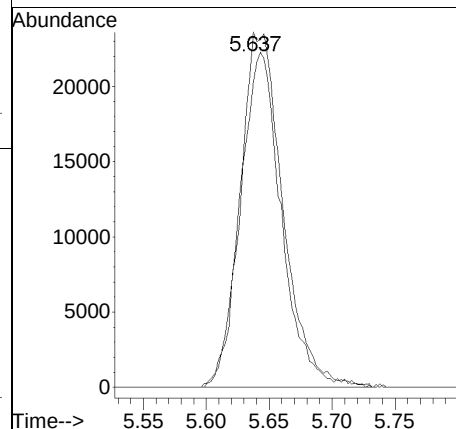
Tgt Ion:	62	64	98
Resp:	41950		
Ratio	100	32.2	8.3
Lower		11.2	0.0
Upper		51.2	26.1

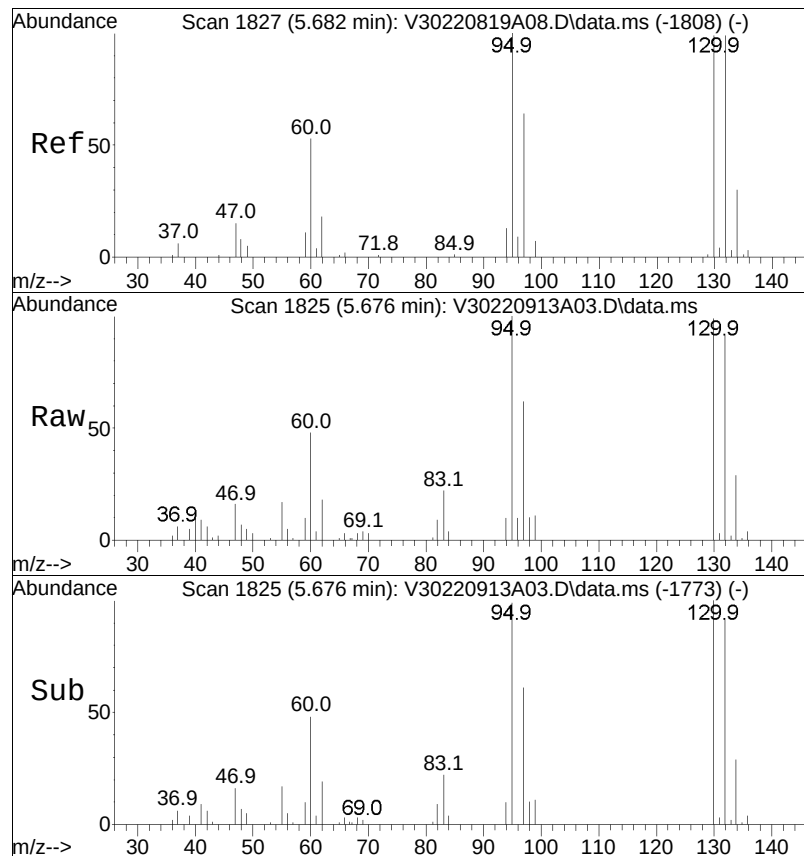




#47
Methyl cyclohexane
Concen: 8.88 ug/L
RT: 5.637 min Scan# 1811
Delta R.T. -0.012 min
Lab File: V30220913A03.D
Acq: 13 Sep 2022 07:21 am

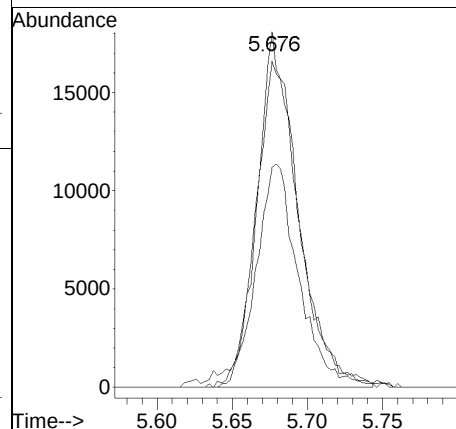
Tgt	Ion	Ratio	Lower	Upper
83	100			
55	88.7	88.3	132.5	

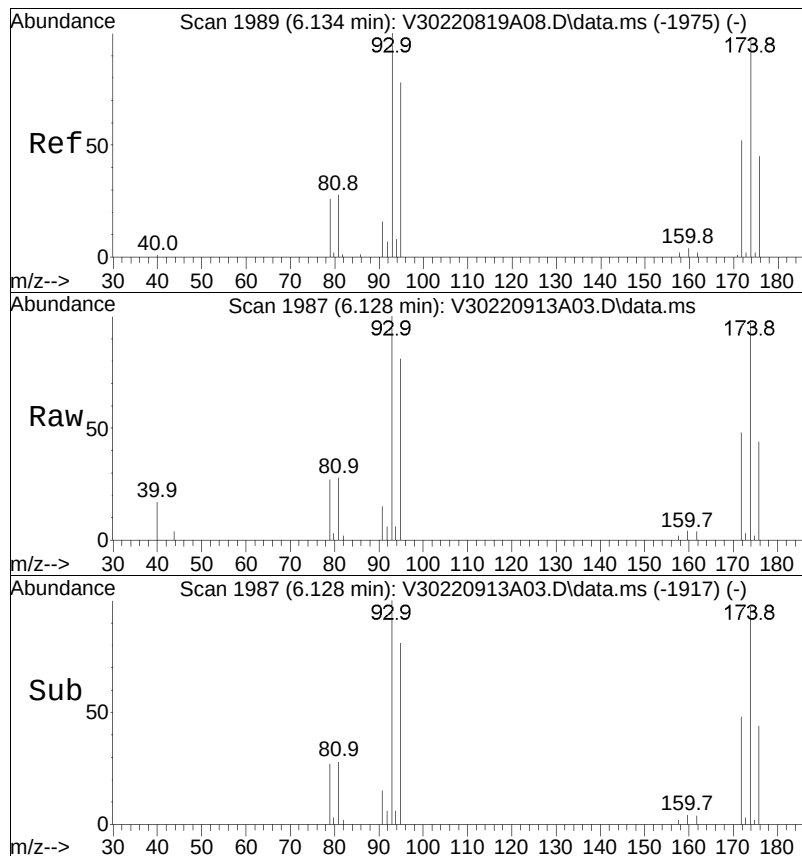




#48
 Trichloroethene
 Concen: 9.44 ug/L
 RT: 5.676 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

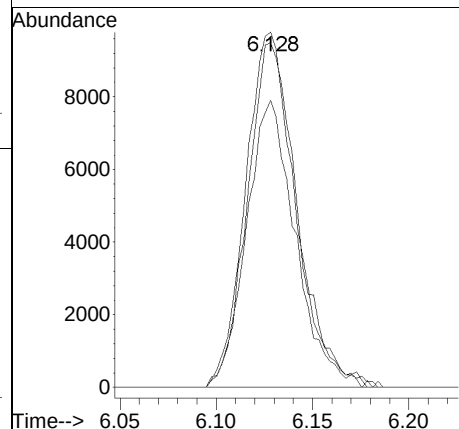
Tgt Ion:	95	Resp:	34402
Ion Ratio	Lower	Upper	
95	100		
97	62.9	55.5	83.3
132	96.7	76.6	115.0

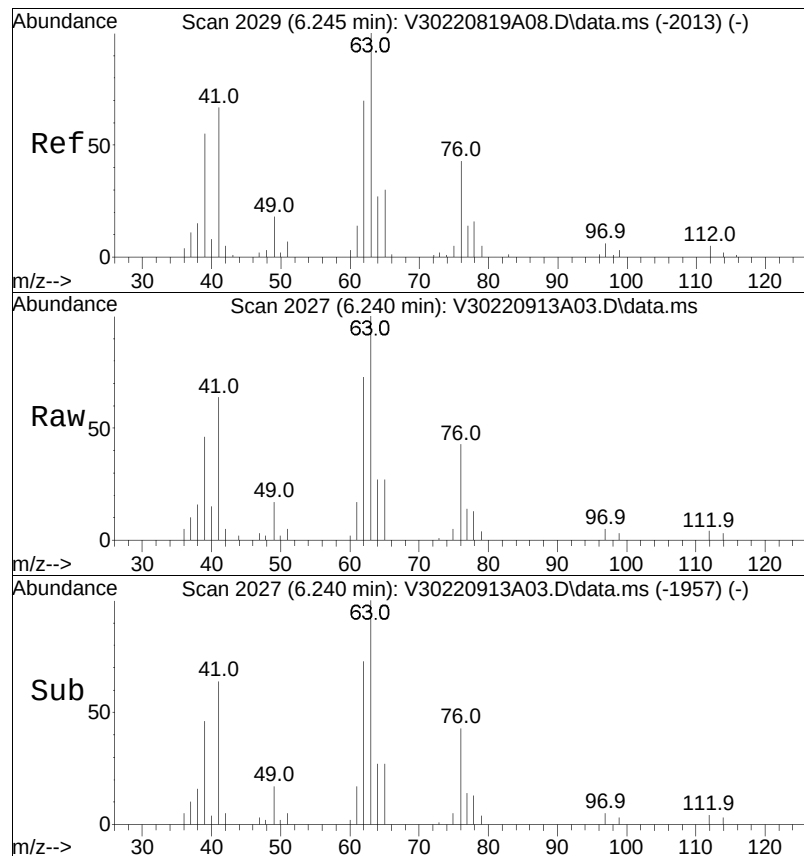




#50
 Dibromomethane
 Concen: 9.09 ug/L
 RT: 6.128 min Scan# 1987
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

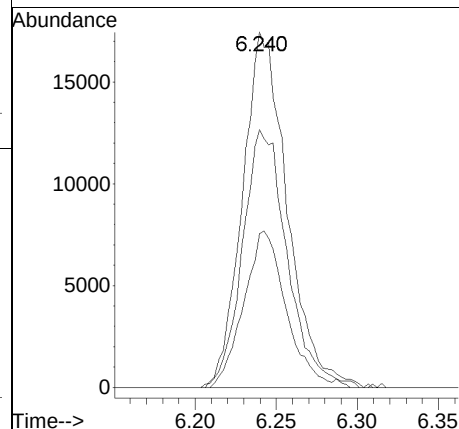
Tgt Ion: 93	Resp: 17631
Ion Ratio	Lower Upper
93 100	
95 80.0	67.0 100.4
174 97.1	75.0 112.4

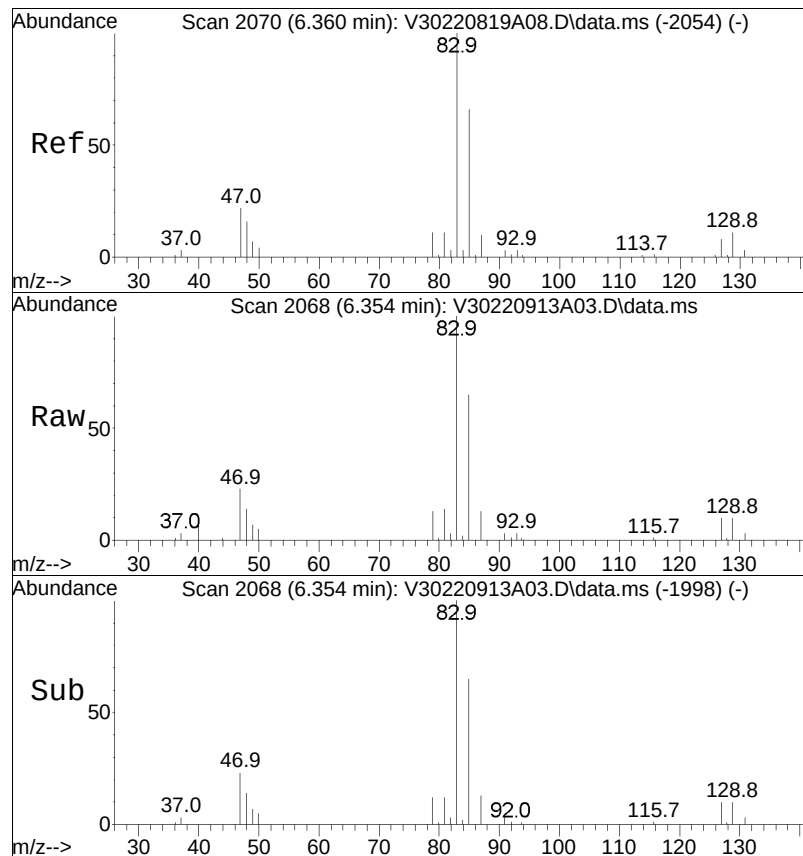




#51
 1,2-Dichloropropane
 Concen: 9.07 ug/L
 RT: 6.240 min Scan# 2027
 Delta R.T. -0.005 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

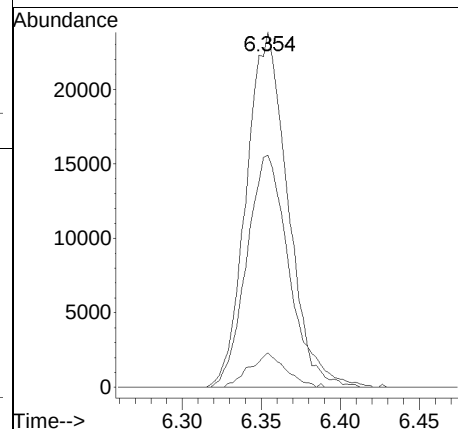
Tgt	Ion: 63	Resp:	33503
Ion	Ratio	Lower	Upper
63	100		
62	72.3	58.6	87.8
76	41.5	38.0	57.0

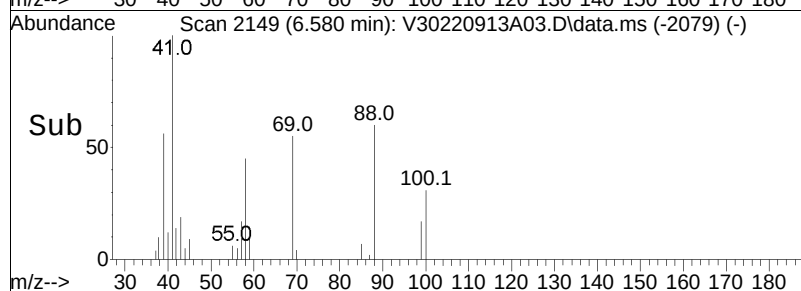
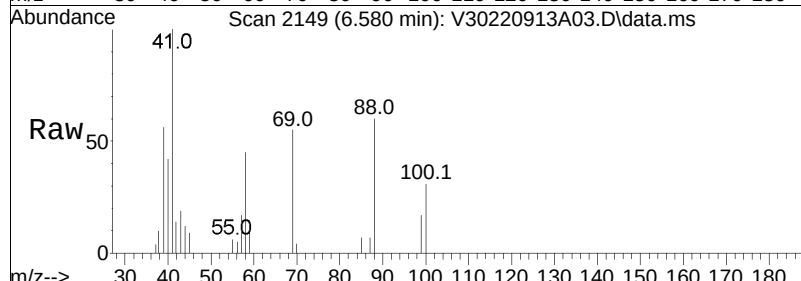
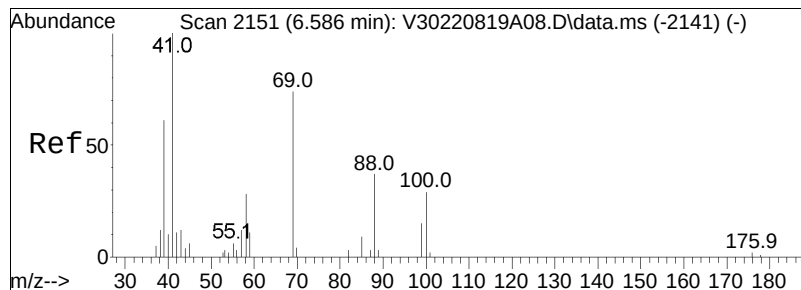




#54
 Bromodichloromethane
 Concen: 8.79 ug/L
 RT: 6.354 min Scan# 2068
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

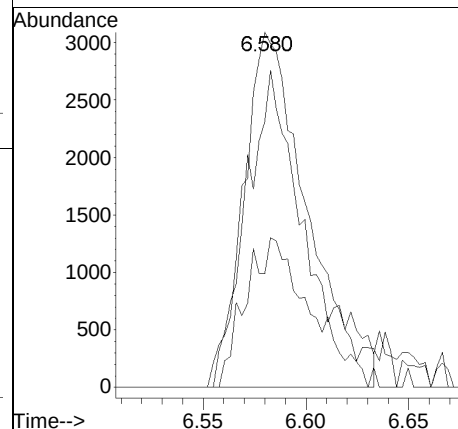
Tgt	Ion: 83	Resp:	43942
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.3	78.5
127	8.5	6.2	9.4

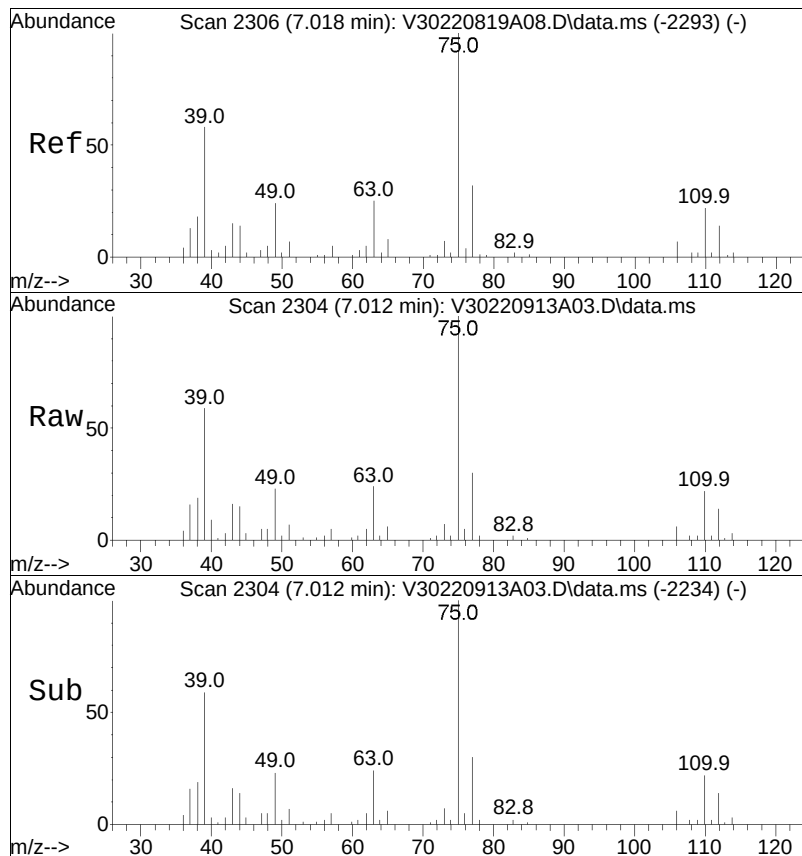




#57
 1,4-Dioxane
 Concen: 549.65 ug/L
 RT: 6.580 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

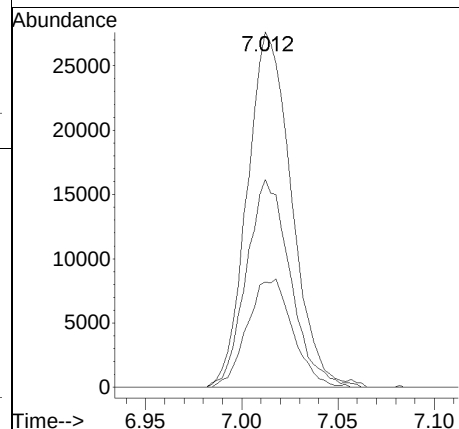
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	6723		
58	80.2		76.7	115.1
43	42.6		36.2	54.2

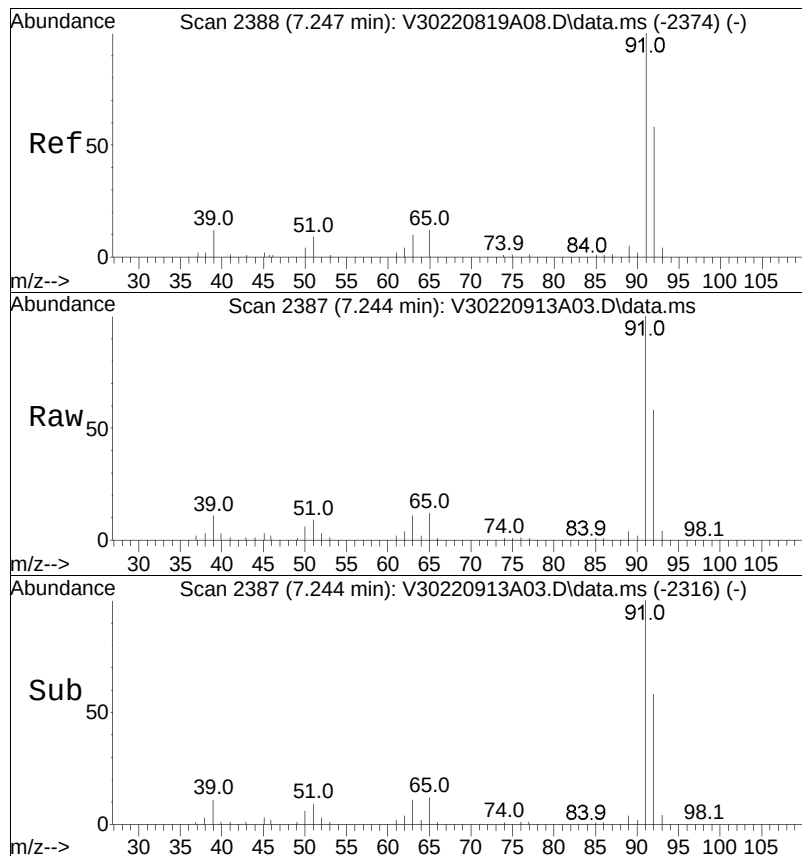




#58
 cis-1,3-Dichloropropene
 Concen: 8.91 ug/L
 RT: 7.012 min Scan# 2304
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

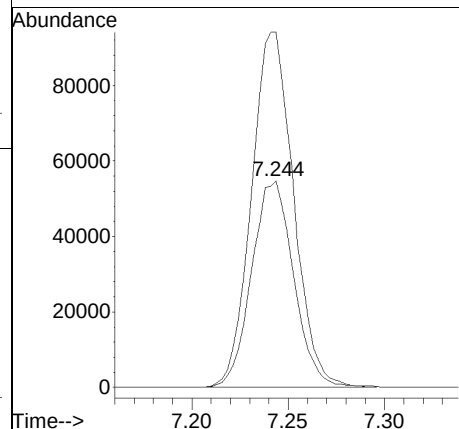
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	58.1	50.1	75.1

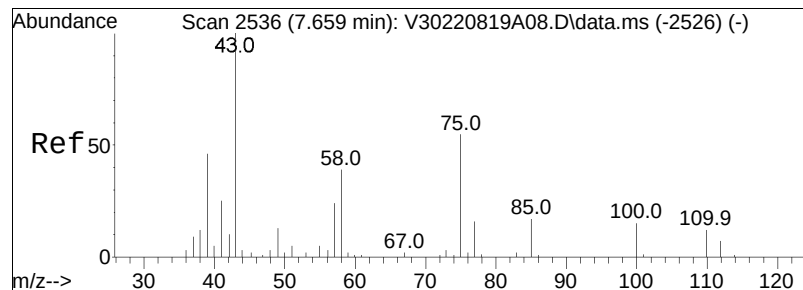




#61
 Toluene
 Concen: 9.45 ug/L
 RT: 7.244 min Scan# 2387
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

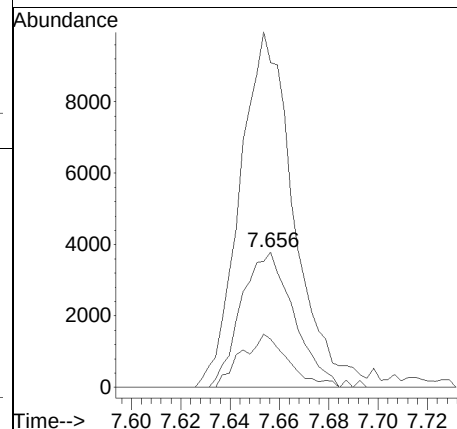
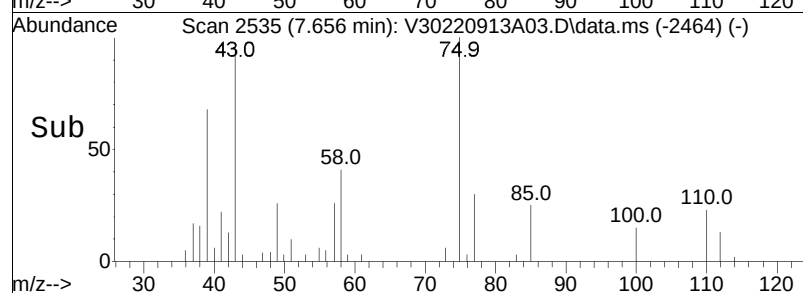
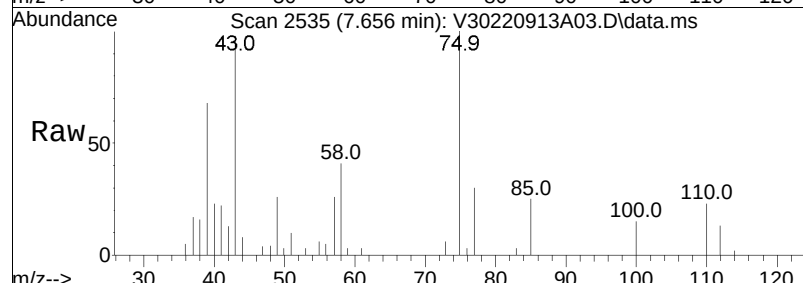
Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	139.8	209.6

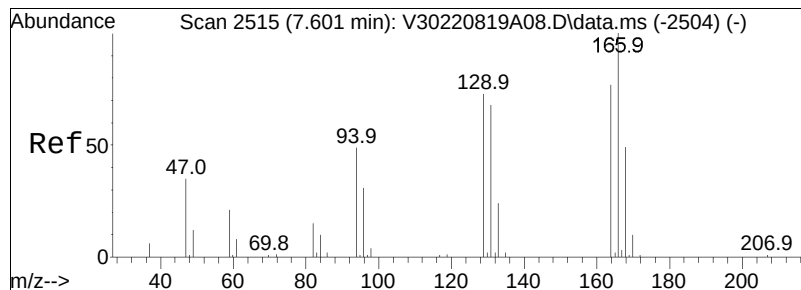




#62
 4-Methyl-2-pentanone
 Concen: 7.31 ug/L
 RT: 7.656 min Scan# 2535
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

Tgt Ion	Ratio	Lower	Upper
58	100		
100	34.7	20.2	30.2#
43	267.1	196.6	295.0





#63

Tetrachloroethene

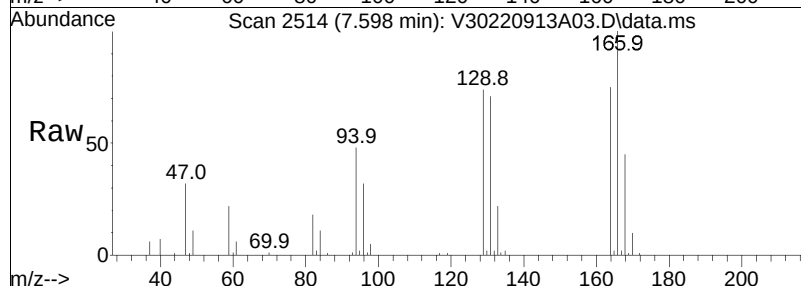
Concen: 9.46 ug/L

RT: 7.598 min Scan# 2514

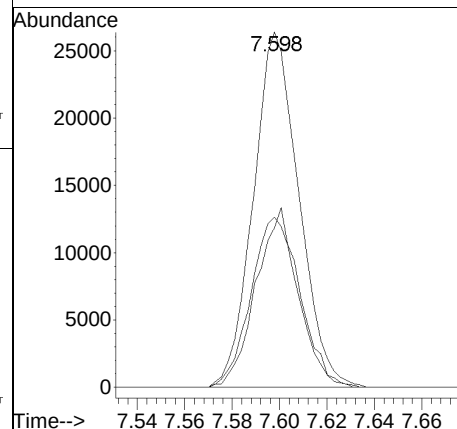
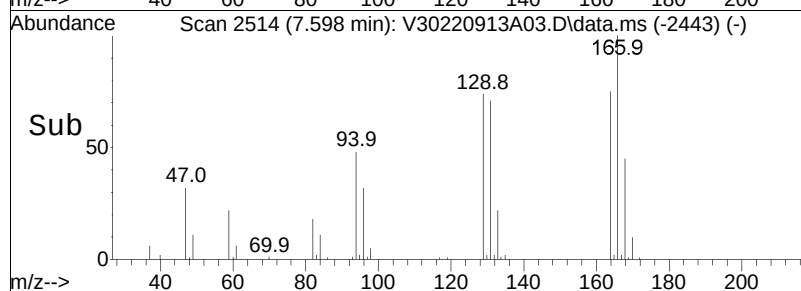
Delta R.T. -0.003 min

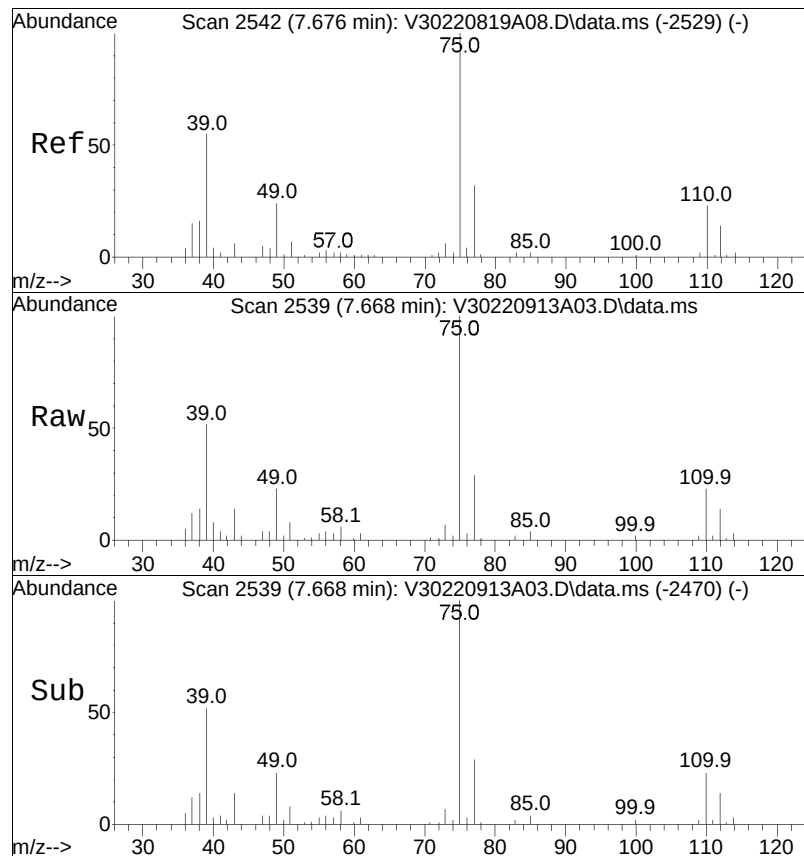
Lab File: V30220913A03.D

Acq: 13 Sep 2022 07:21 am



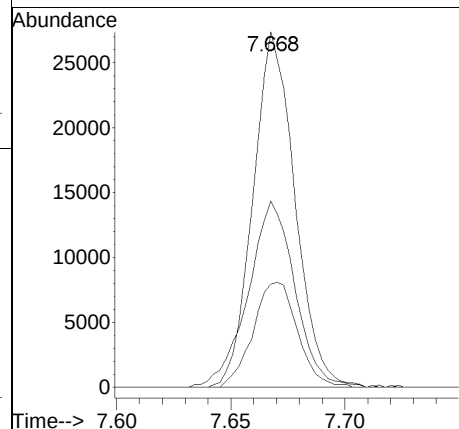
Tgt Ion:	166	Resp:	35230
Ion Ratio	Lower	Upper	
166	100		
168	48.5	28.2	68.2
94	50.1	38.4	78.4

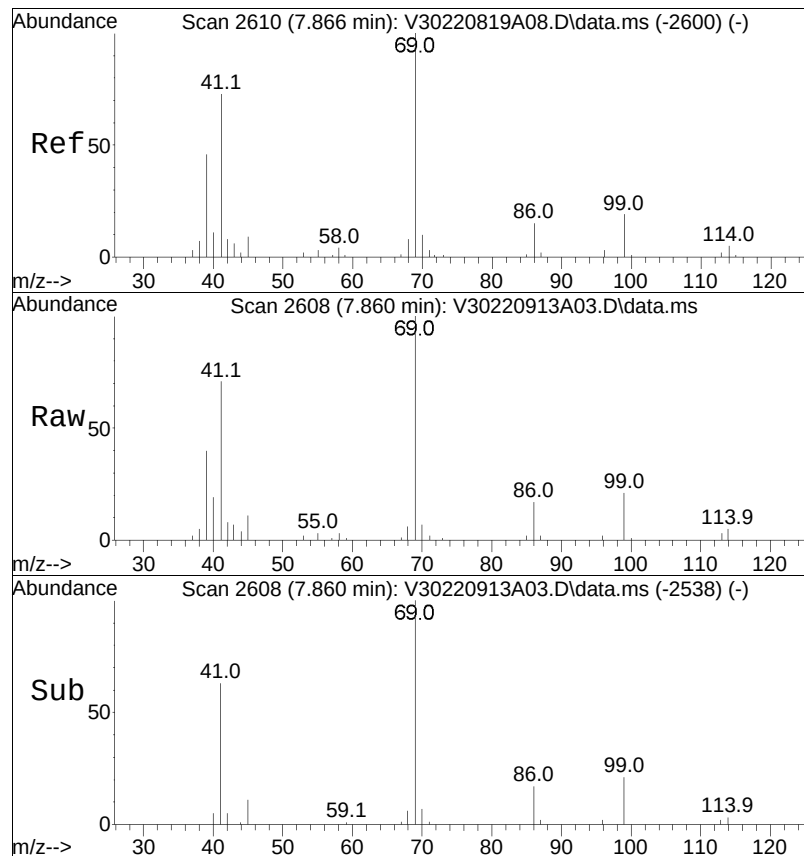




#65
 trans-1,3-Dichloropropene
 Concen: 9.20 ug/L
 RT: 7.668 min Scan# 2539
 Delta R.T. -0.008 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

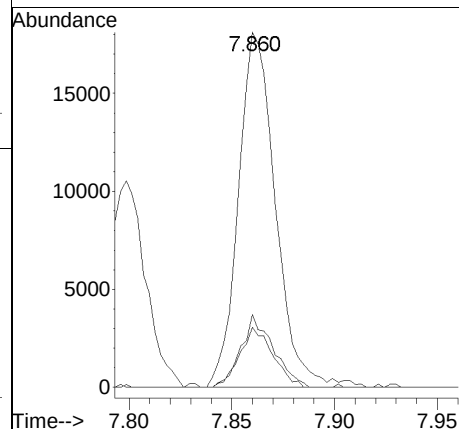
Tgt Ion:	75	Resp:	34902
Ion Ratio	Lower	Upper	
75	100		
77	31.5	12.4	52.4
39	58.8	42.8	82.8

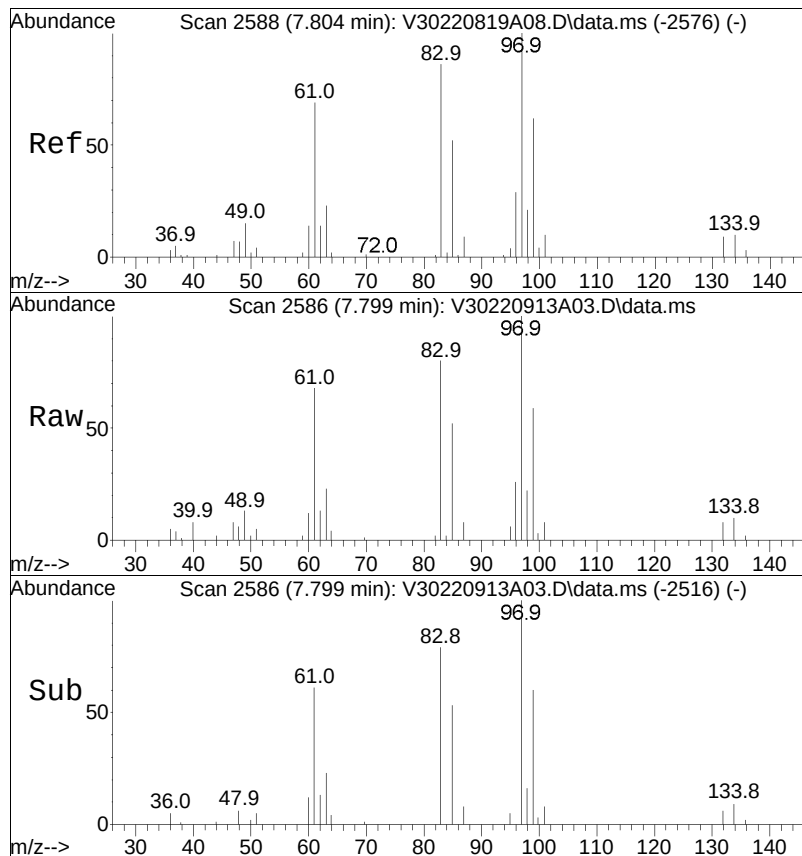




#67
 Ethyl methacrylate
 Concen: 7.81 ug/L
 RT: 7.860 min Scan# 2608
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

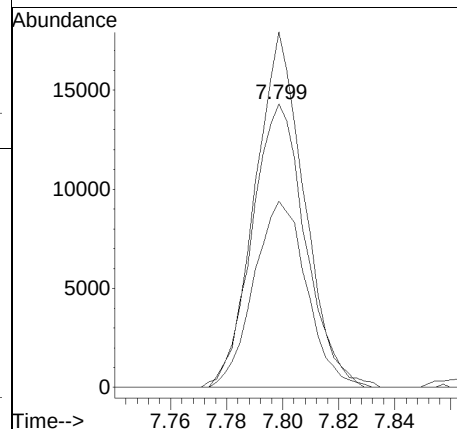
Tgt	Ion:	69	Resp:	22806
Ion	Ratio	Lower	Upper	
69	100			
99	17.9	0.2	40.2	
86	15.1	0.0	35.8	

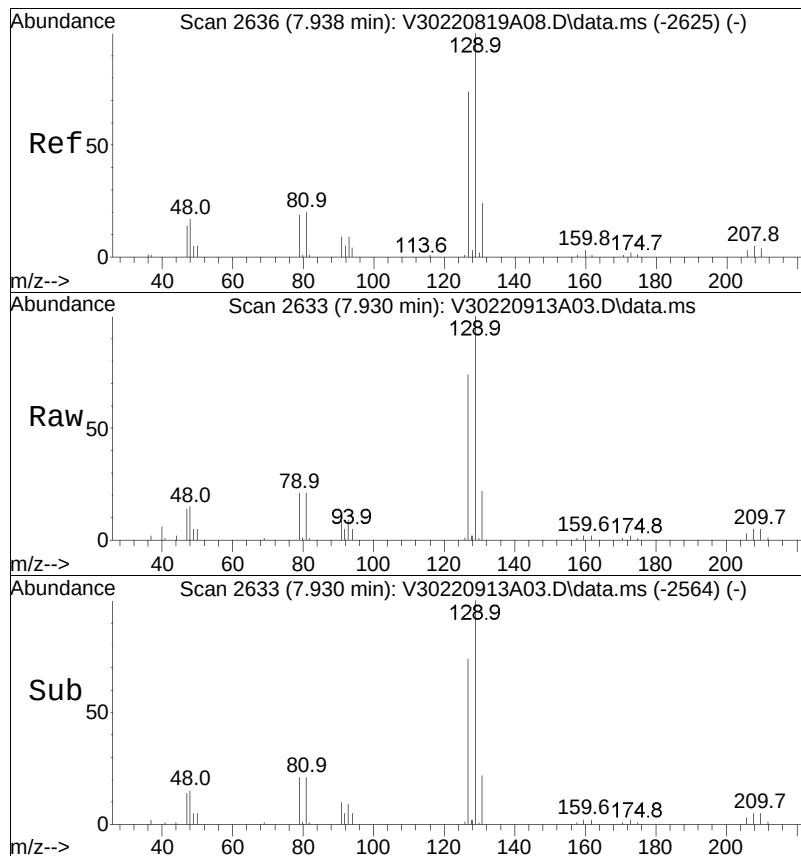




#68
 1,1,2-Trichloroethane
 Concen: 8.81 ug/L
 RT: 7.799 min Scan# 2586
 Delta R.T. -0.005 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

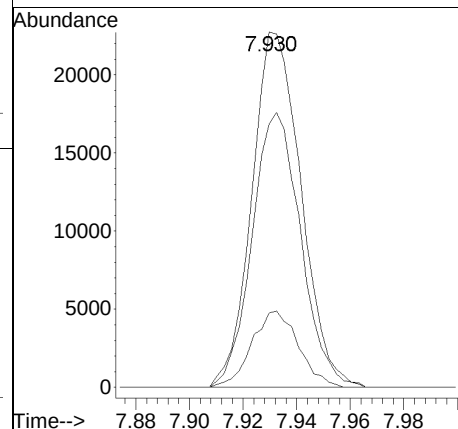
Tgt Ion:	83	Resp:	18828
Ion Ratio	Lower	Upper	
83	100		
97	116.4	89.8	129.8
85	65.5	44.4	84.4

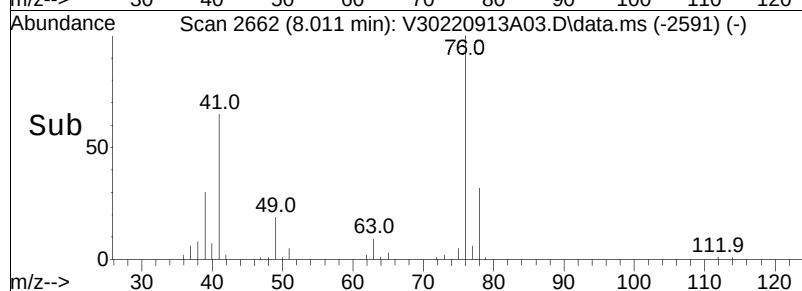
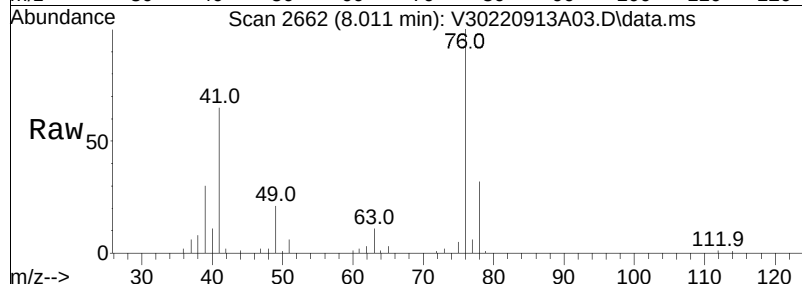
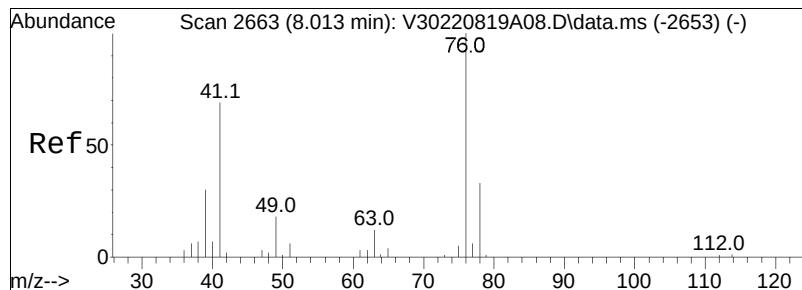




#69
 Chlorodibromomethane
 Concen: 9.20 ug/L
 RT: 7.930 min Scan# 2633
 Delta R.T. -0.008 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

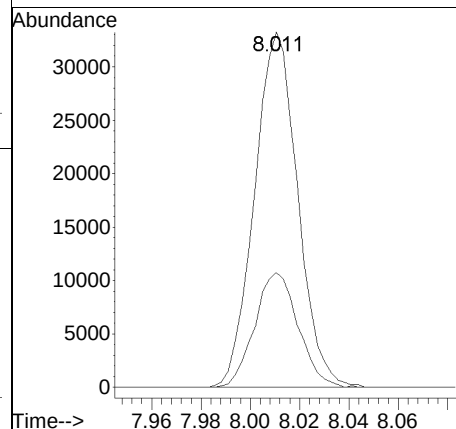
Tgt Ion:	129	Resp:	29027
Ion Ratio	Lower	Upper	
129	100		
81	20.5	2.9	42.9
127	76.3	57.8	97.8

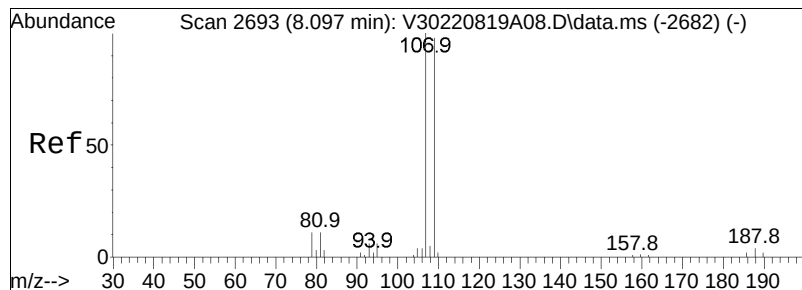




#70
 1,3-Dichloropropane
 Concen: 8.97 ug/L
 RT: 8.011 min Scan# 2662
 Delta R.T. -0.002 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

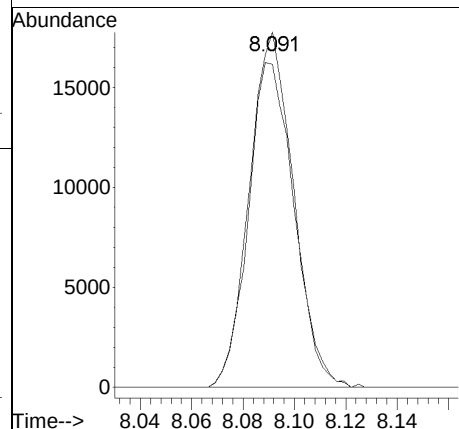
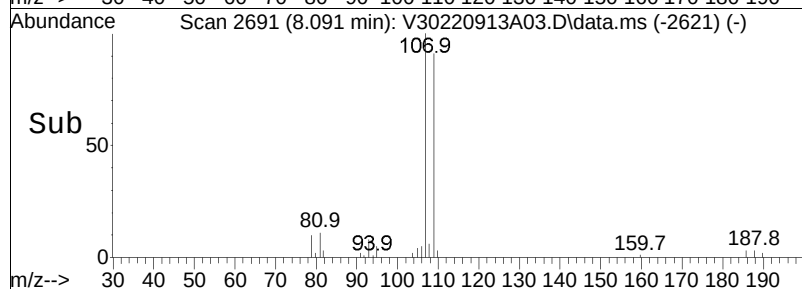
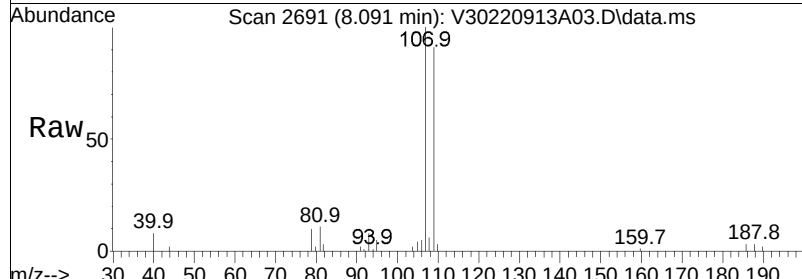
Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

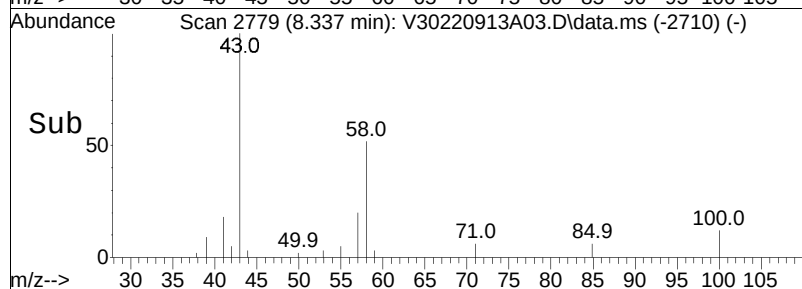
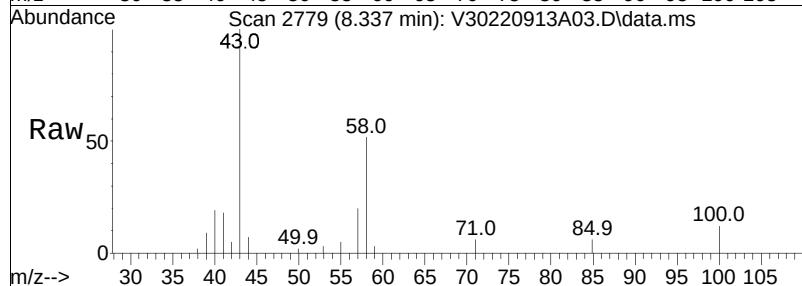
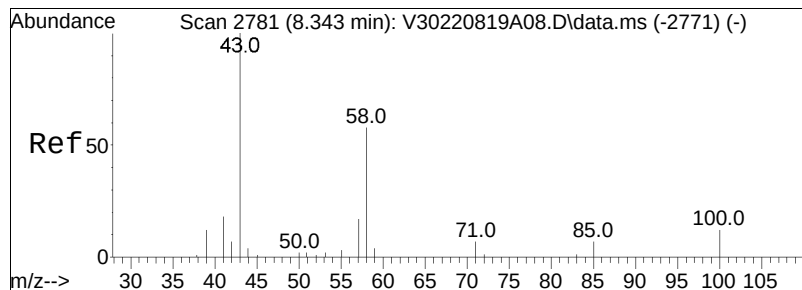




#71
 1,2-Dibromoethane
 Concen: 8.81 ug/L
 RT: 8.091 min Scan# 2691
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.3	111.5





#72

2-Hexanone

Concen: 7.16 ug/L

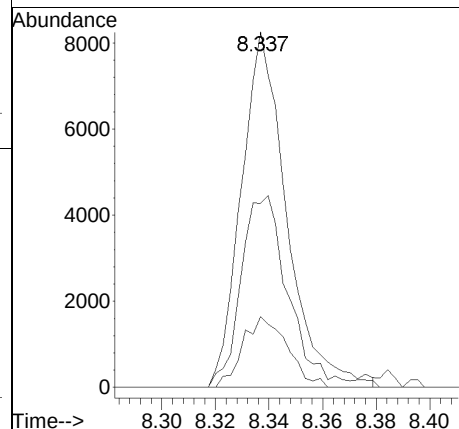
RT: 8.337 min Scan# 2779

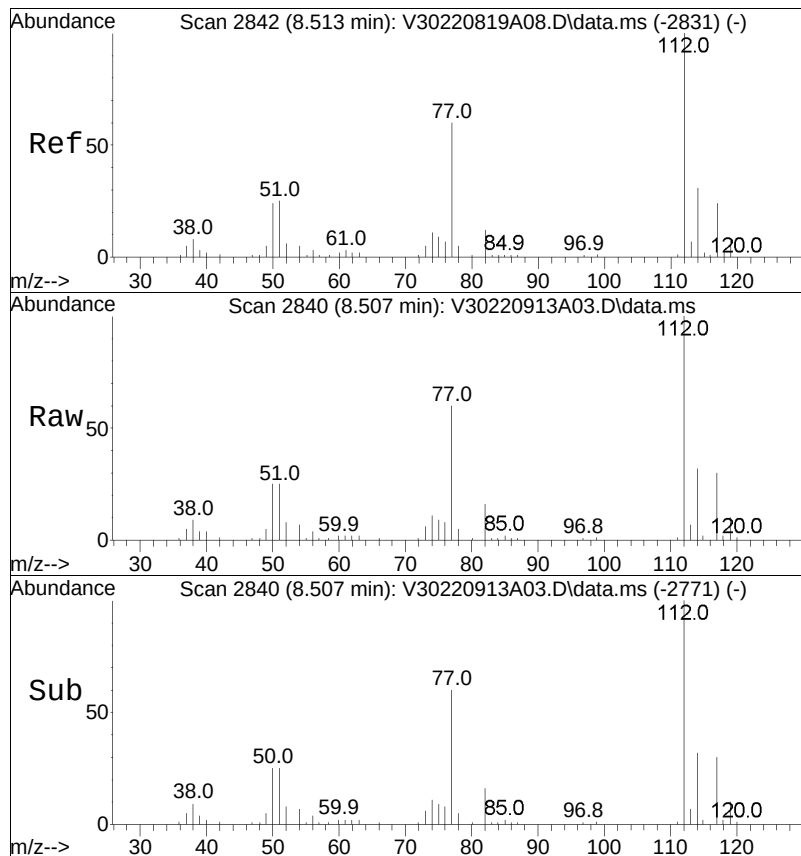
Delta R.T. -0.006 min

Lab File: V30220913A03.D

Acq: 13 Sep 2022 07:21 am

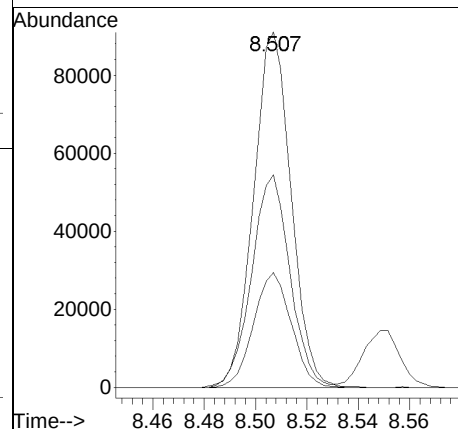
Tgt Ion:	43	Resp:	9747
Ion Ratio	Lower	Upper	
43	100		
58	55.7	41.2	61.8
57	19.5	17.2	25.8

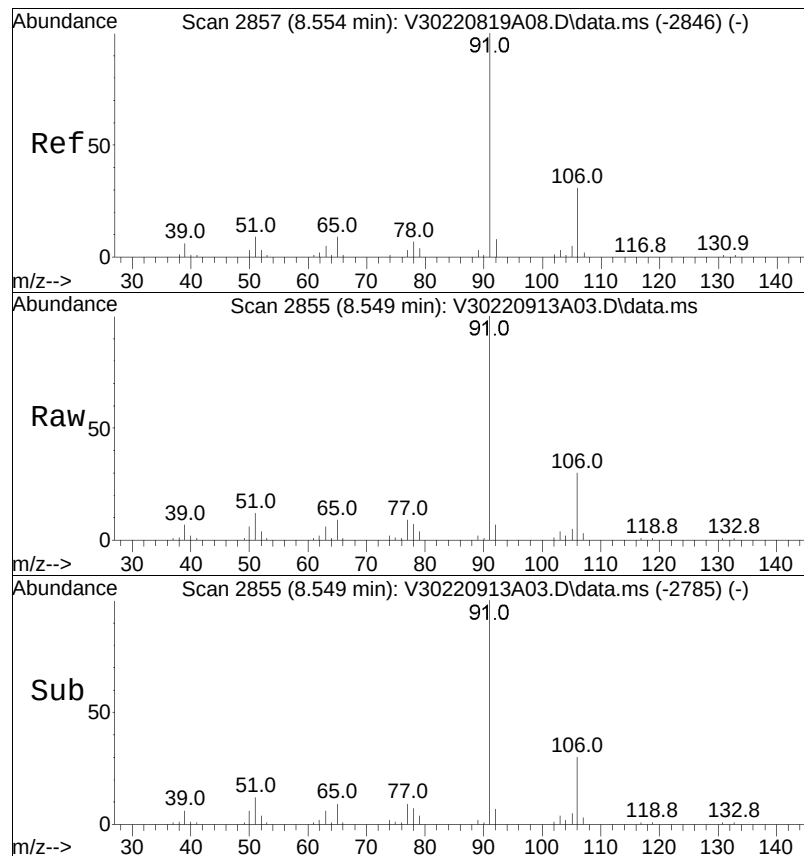




#73
 Chlorobenzene
 Concen: 9.51 ug/L
 RT: 8.507 min Scan# 2840
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

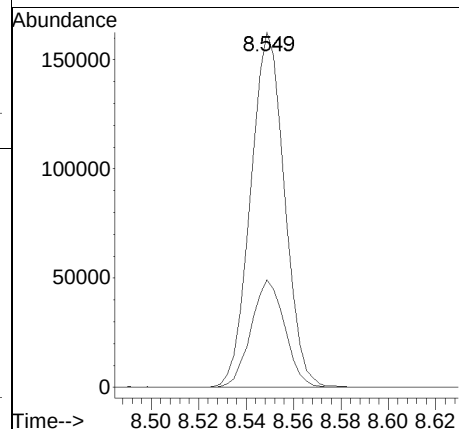
Tgt Ion:	112	Resp:	92273
Ion Ratio	Lower	Upper	
112	100		
77	61.2	55.4	83.0
114	32.5	25.4	38.2

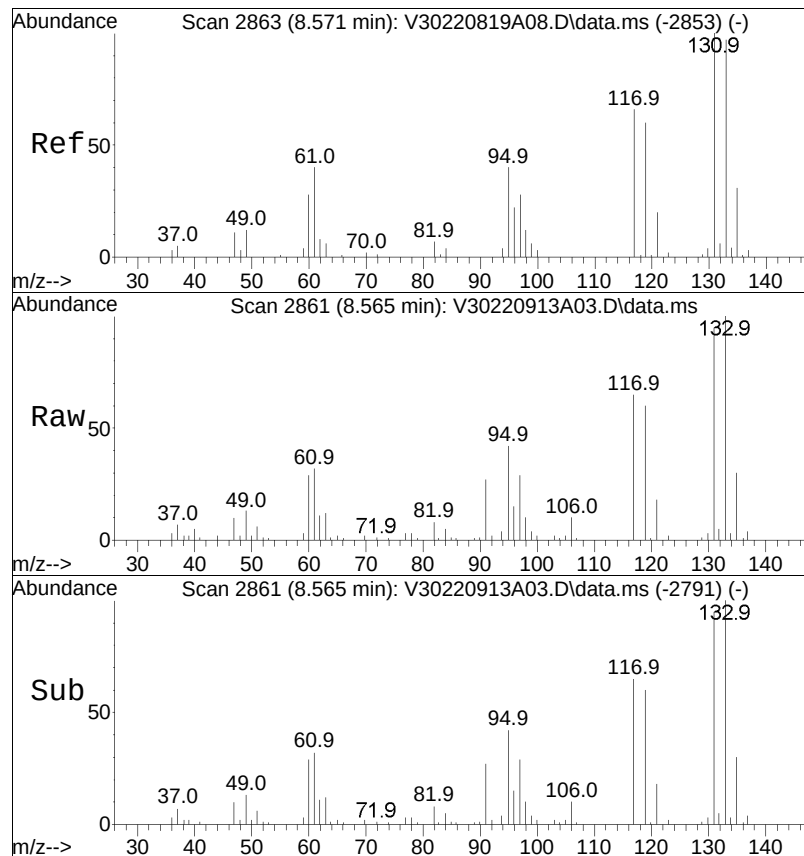




#74
 Ethylbenzene
 Concen: 9.44 ug/L
 RT: 8.549 min Scan# 2855
 Delta R.T. -0.005 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

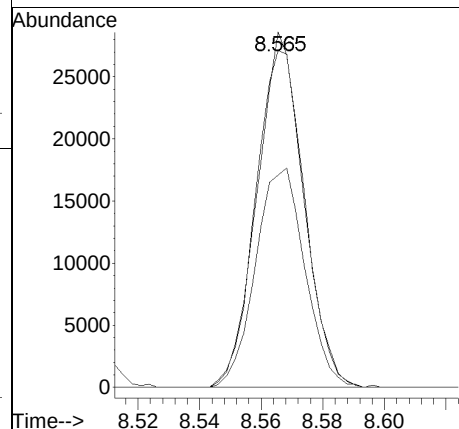
Tgt	Ion	Resp	Lower	Upper
91	100	161622		
106	30.1	24.3	36.5	

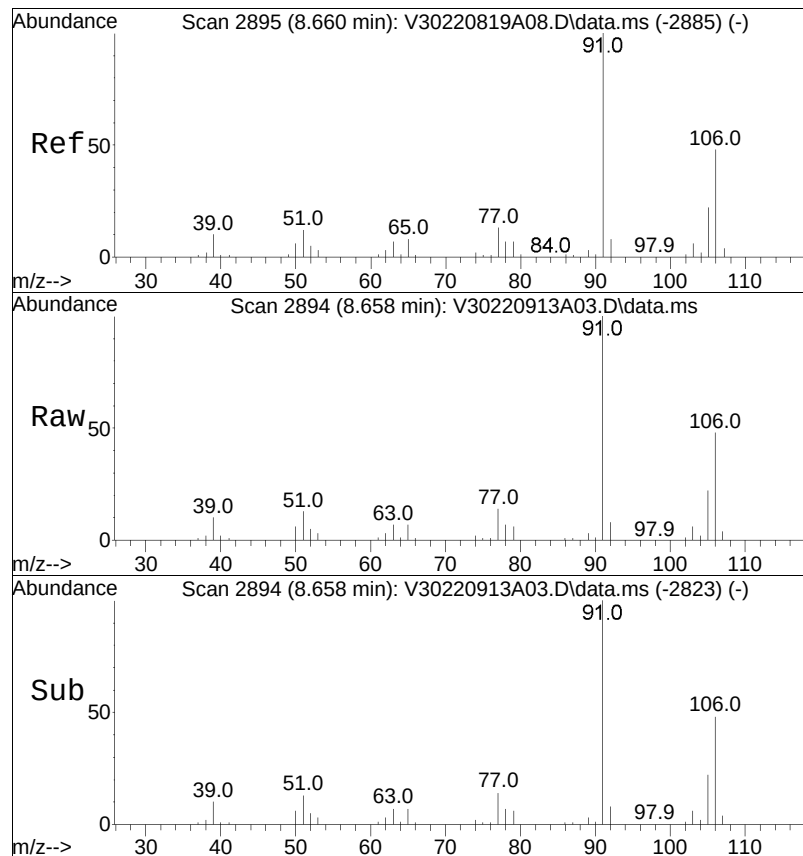




#75
 1,1,1,2-Tetrachloroethane
 Concen: 9.23 ug/L
 RT: 8.565 min Scan# 2861
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

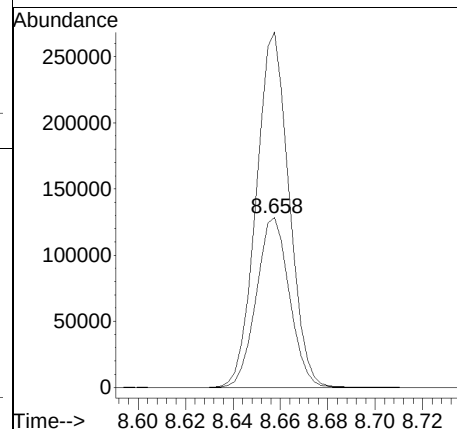
Tgt Ion:	131	Resp:	29937
Ion Ratio	Lower	Upper	
131	100		
133	100.4	81.0	121.0
119	65.7	41.3	81.3

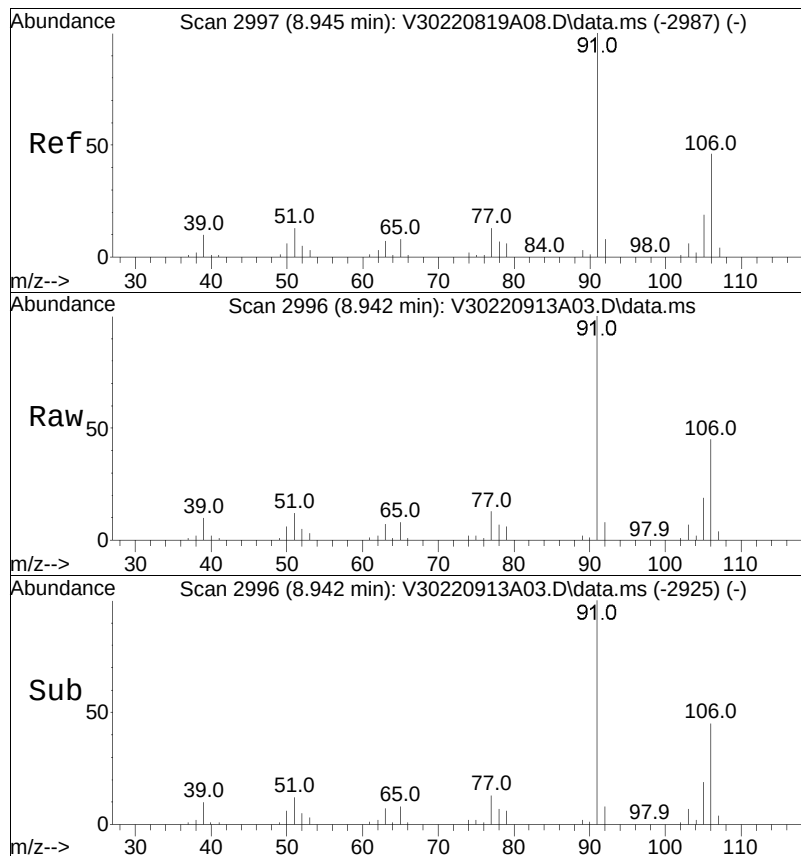




#76
 p/m Xylene
 Concen: 19.56 ug/L
 RT: 8.658 min Scan# 2894
 Delta R.T. -0.002 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

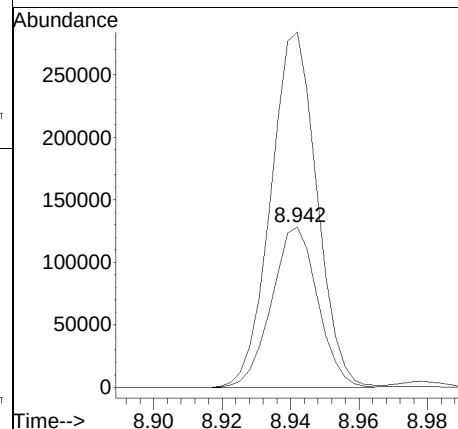
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	207.3	166.4	249.6	

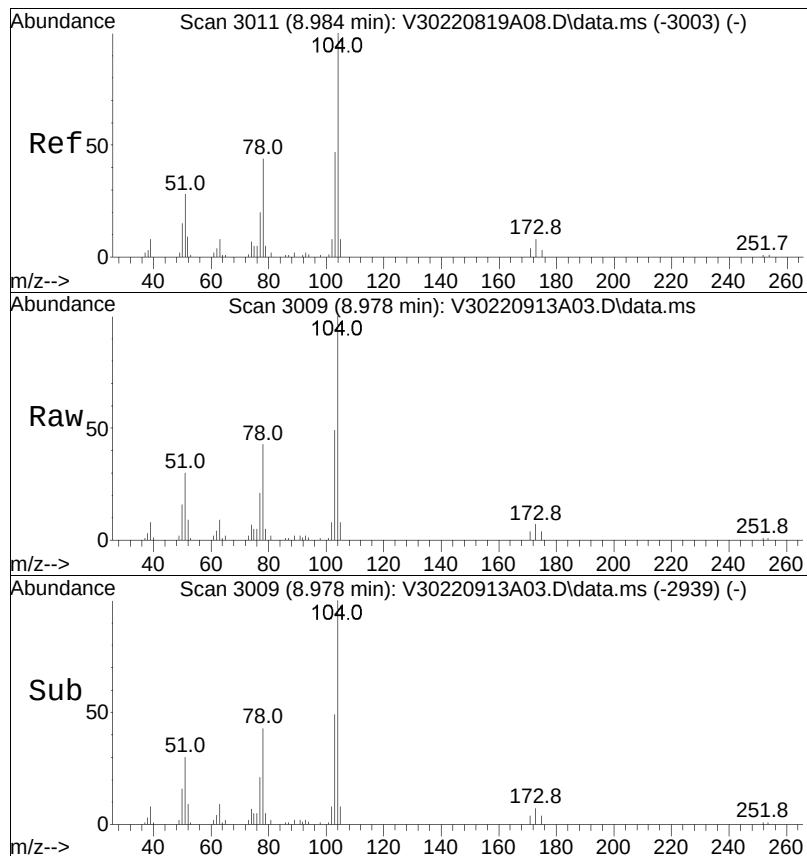




#77
 o Xylene
 Concen: 19.27 ug/L
 RT: 8.942 min Scan# 2996
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

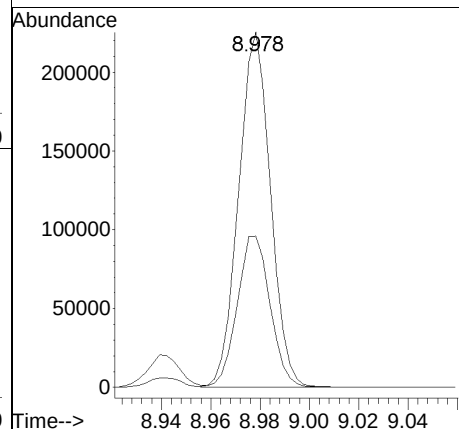
Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	222.2	182.6	273.8	

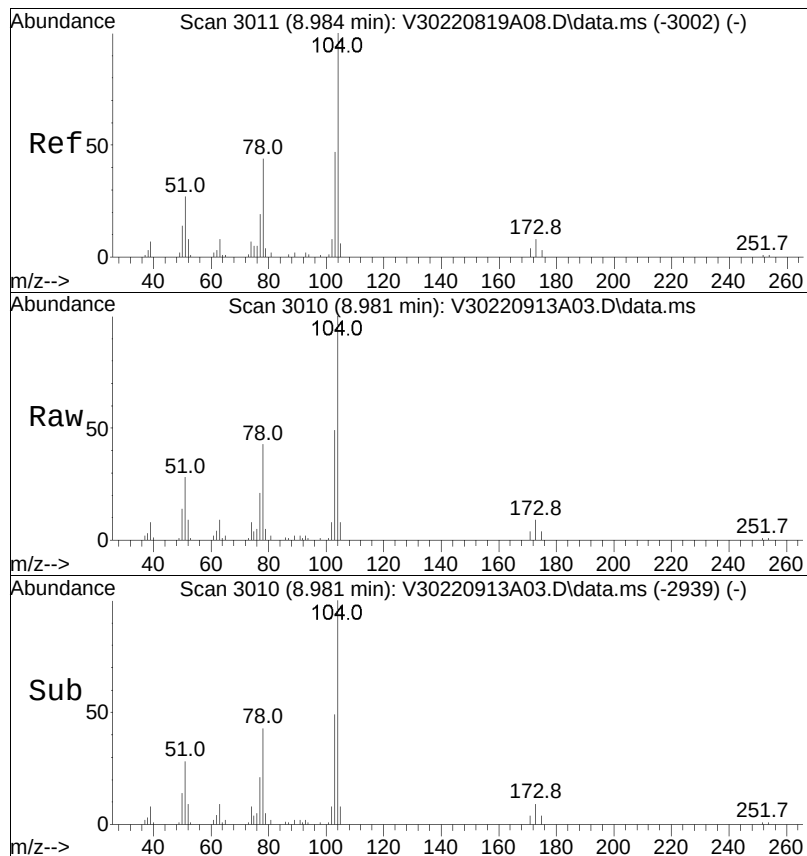




#78
 Styrene
 Concen: 20.18 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

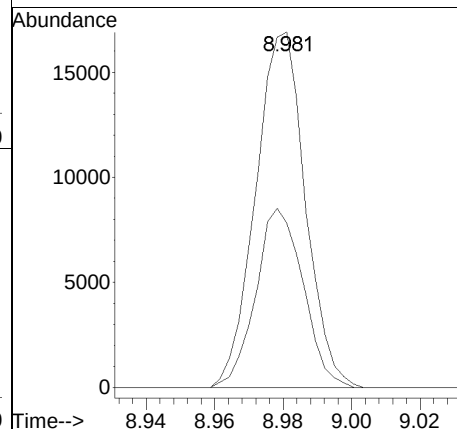
Tgt Ion	104	Ratio	Lower	Upper
104	100			
78	44.0	39.8	59.6	

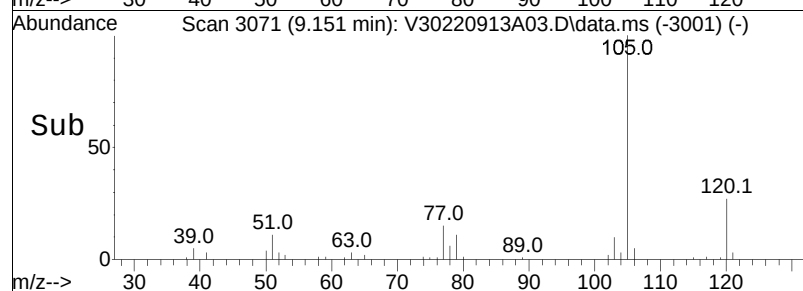
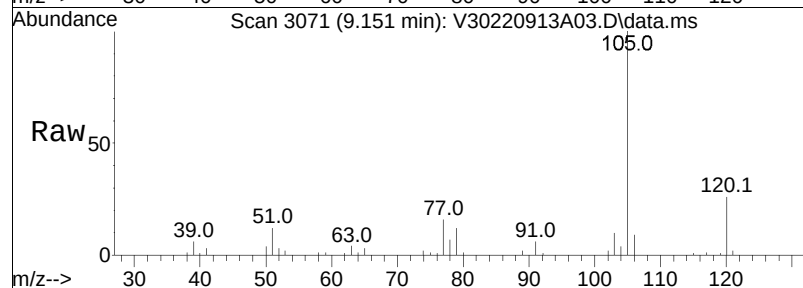
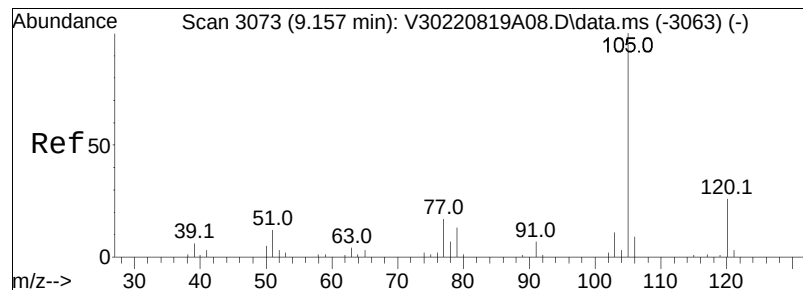




#80
 Bromoform
 Concen: 9.18 ug/L
 RT: 8.981 min Scan# 3010
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

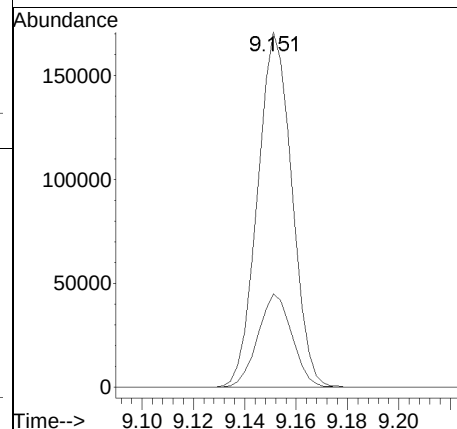
Tgt	Ion	Ratio	Lower	Upper
173	100			
175	48.0	31.5	71.5	

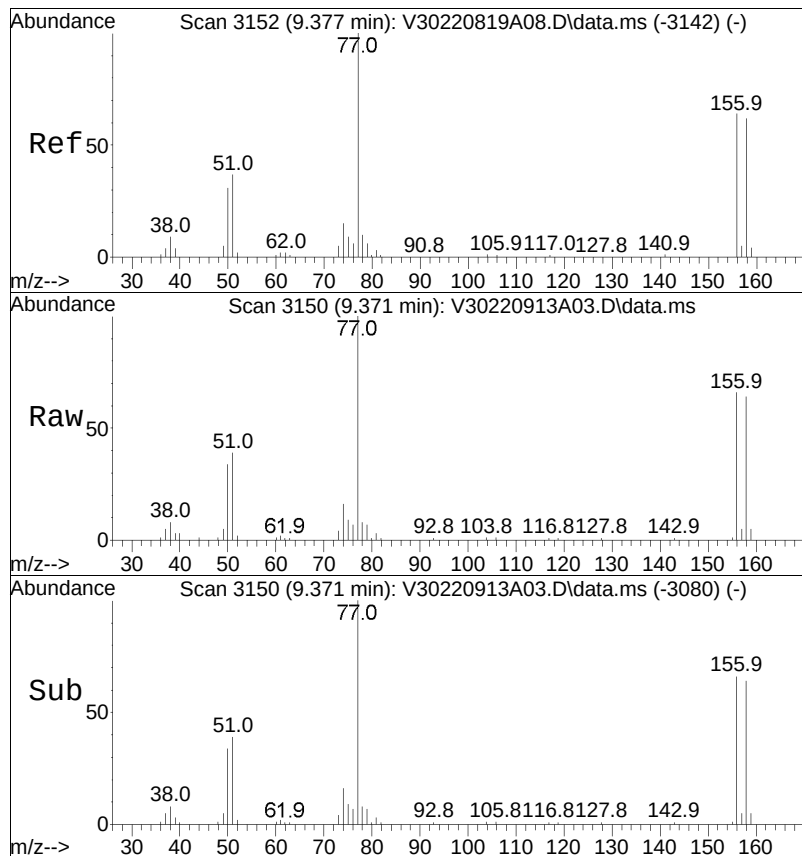




#82
Isopropylbenzene
Concen: 9.36 ug/L
RT: 9.151 min Scan# 3071
Delta R.T. -0.006 min
Lab File: V30220913A03.D
Acq: 13 Sep 2022 07:21 am

Tgt Ion	105	120	Ratio	100	26.2	Resp	158725	Lower	4.8	Upper	44.8
105	100										
120		26.2									





#84

Bromobenzene

Concen: 9.03 ug/L

RT: 9.371 min Scan# 3150

Delta R.T. -0.006 min

Lab File: V30220913A03.D

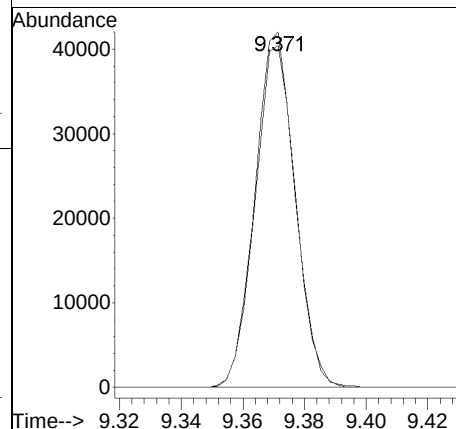
Acq: 13 Sep 2022 07:21 am

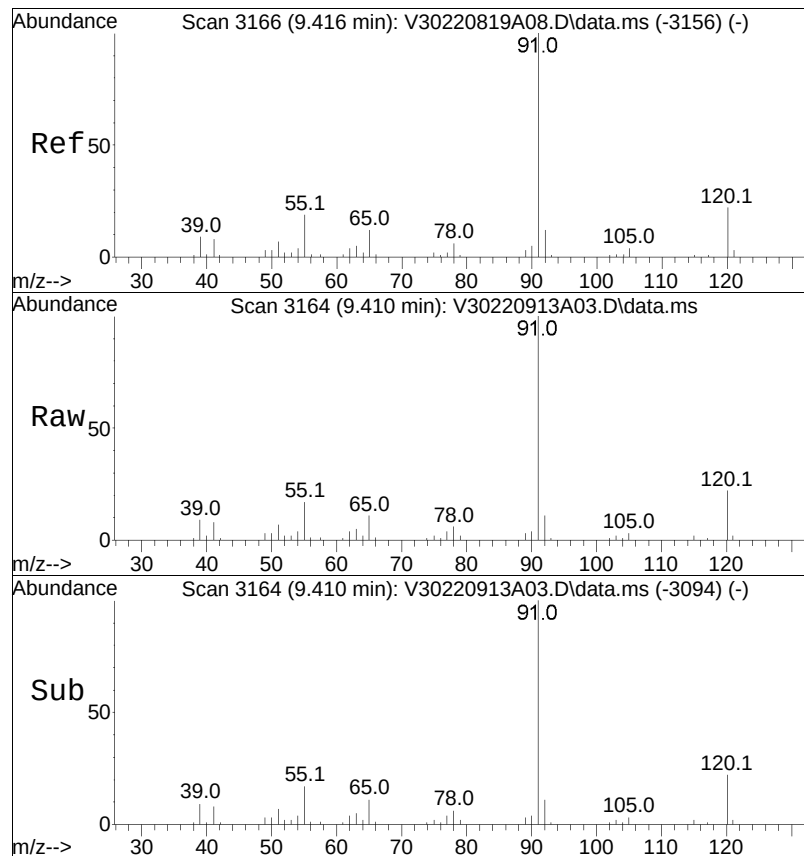
Tgt Ion:156 Resp: 38031

Ion Ratio Lower Upper

156 100

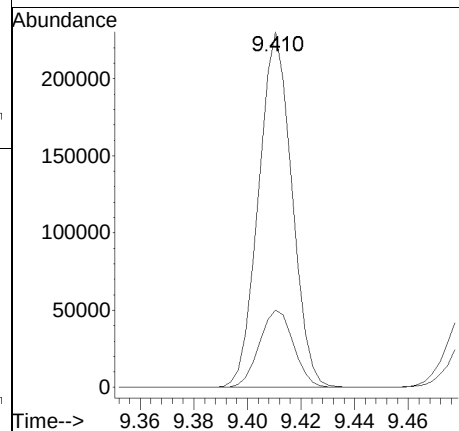
158 96.8 75.9 113.9

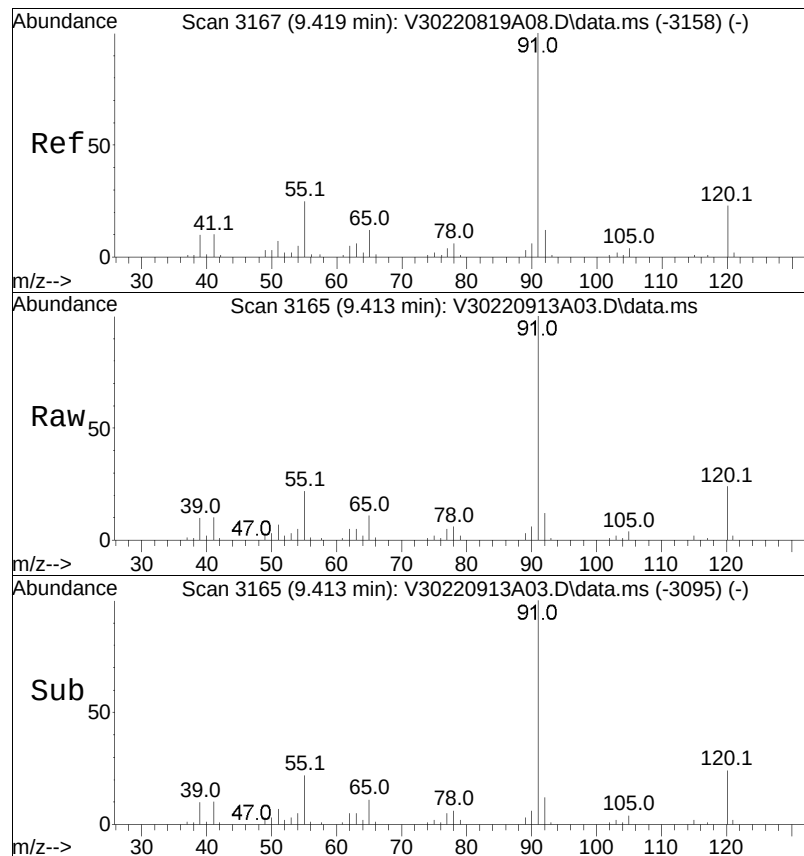




#85
 n-Propylbenzene
 Concen: 9.70 ug/L
 RT: 9.410 min Scan# 3164
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

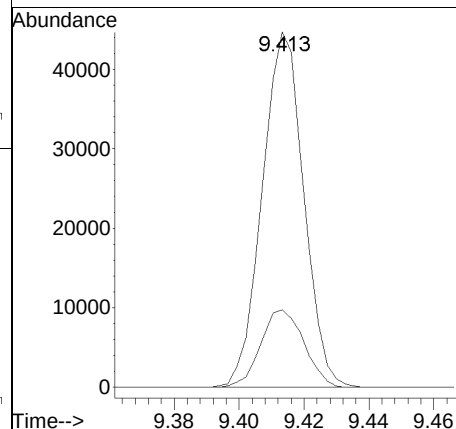
Tgt	Ion	Resp	Lower	Upper
91	100	198538		
120	22.3	17.0	25.6	

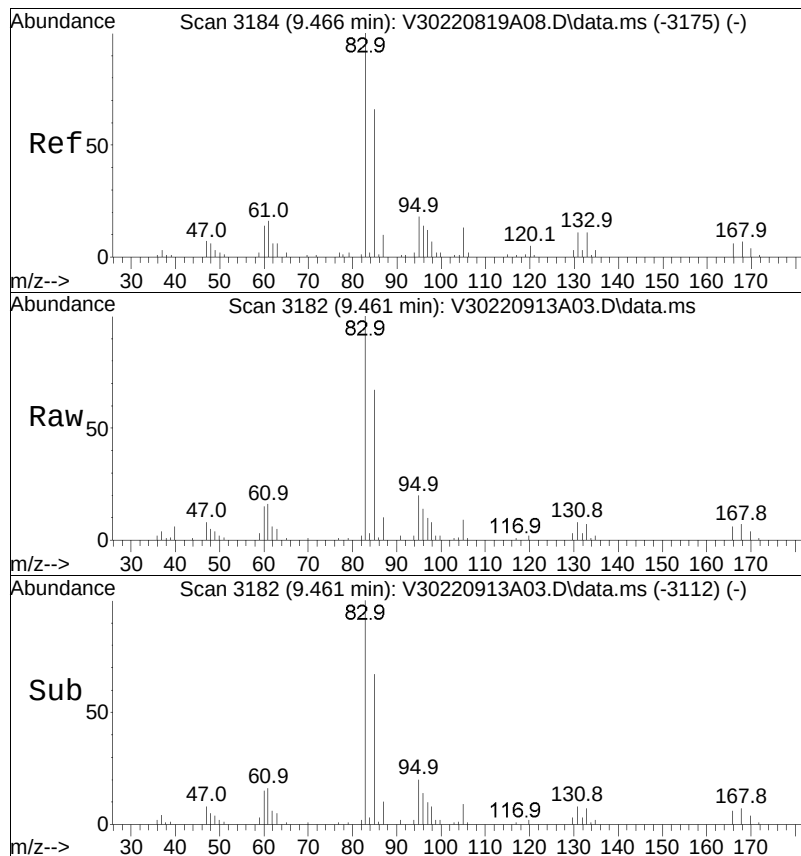




#86
 1,4-Dichlorobutane
 Concen: 8.39 ug/L
 RT: 9.413 min Scan# 3165
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

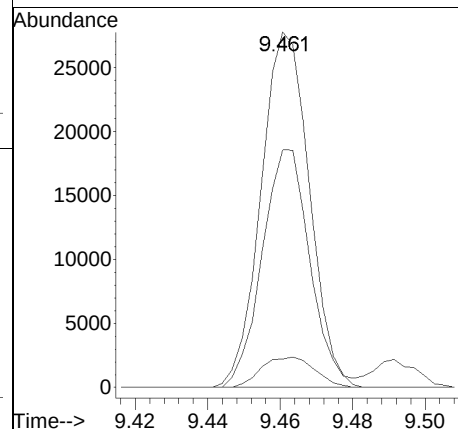
Tgt	Ion	Resp	Lower	Upper
55	100	39656		
54	22.8	19.4	29.0	

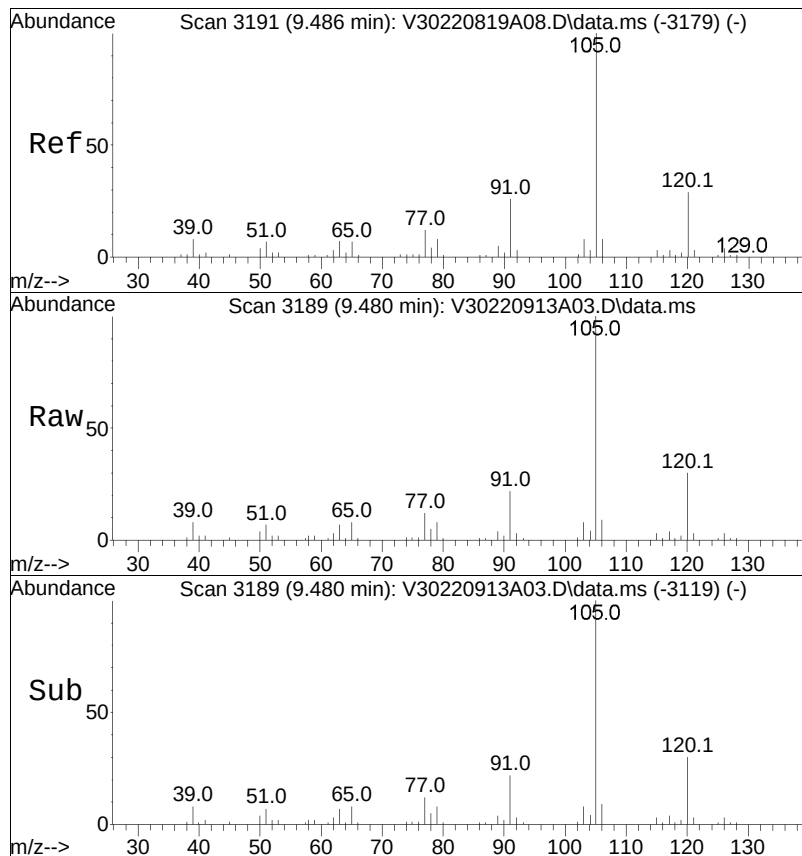




#87
 1,1,2,2-Tetrachloroethane
 Concen: 8.36 ug/L
 RT: 9.461 min Scan# 3182
 Delta R.T. -0.005 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

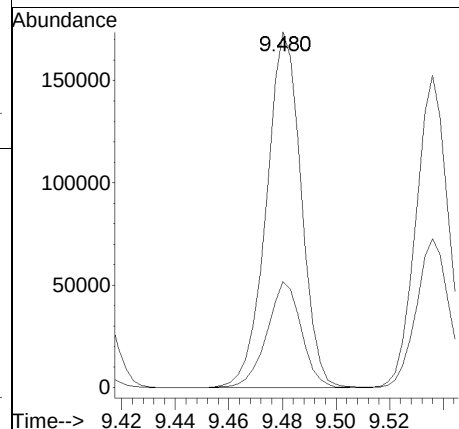
Tgt Ion:	83	Resp:	25686
Ion Ratio	Lower	Upper	
83	100		
131	9.5	0.0	30.4
85	66.4	45.4	85.4

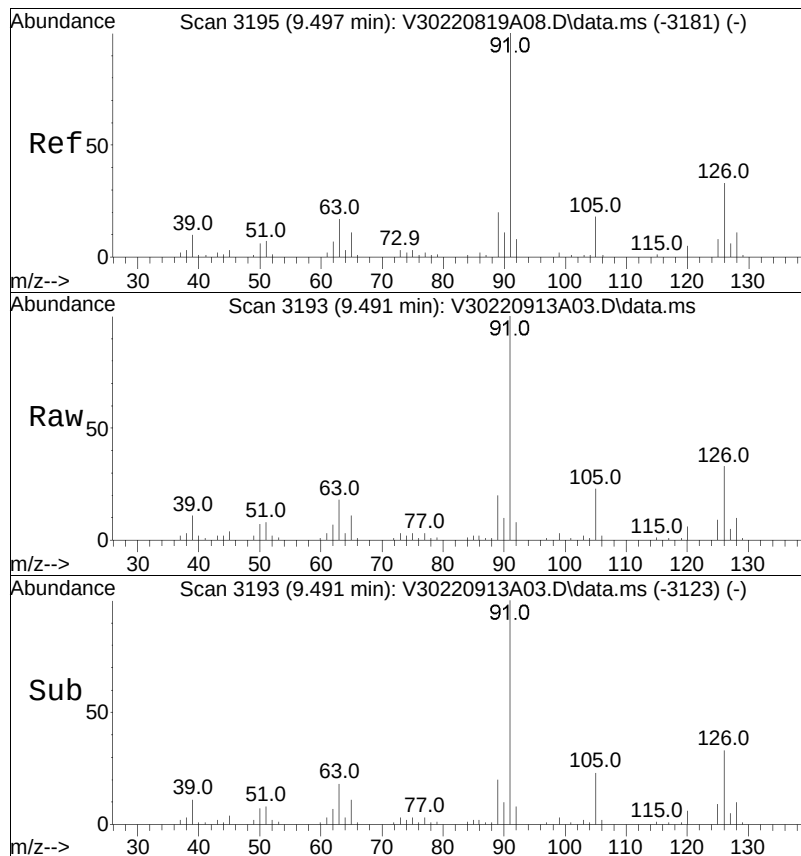




#88
 4-Ethyltoluene
 Concen: 9.33 ug/L
 RT: 9.480 min Scan# 3189
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

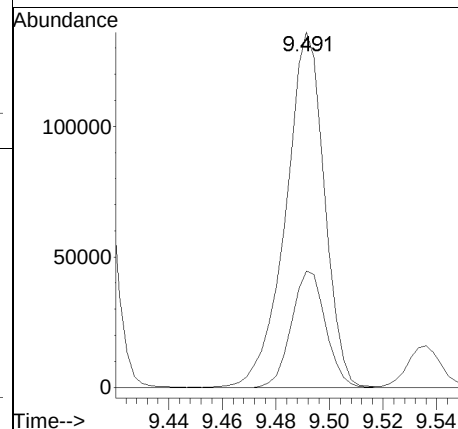
Tgt	Ion	Ratio	Lower	Upper
105	105	100		
120	120	29.3	18.1	37.7

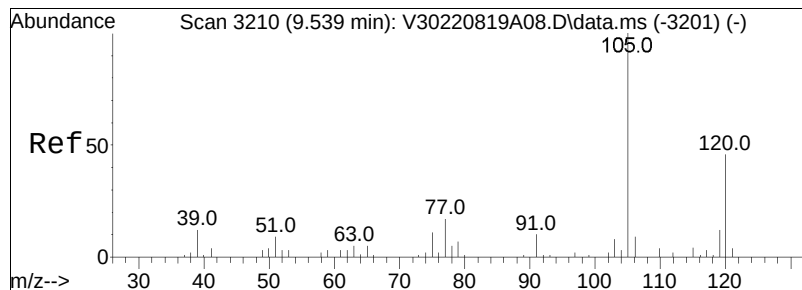




#89
 2-Chlorotoluene
 Concen: 9.56 ug/L
 RT: 9.491 min Scan# 3193
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

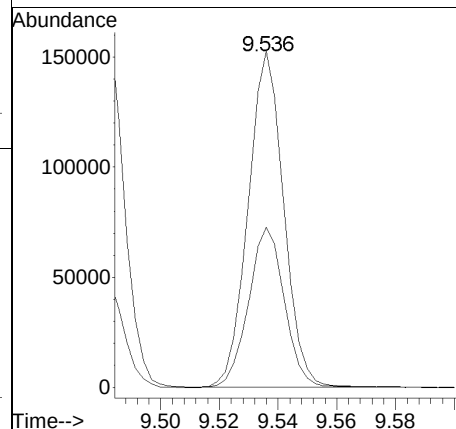
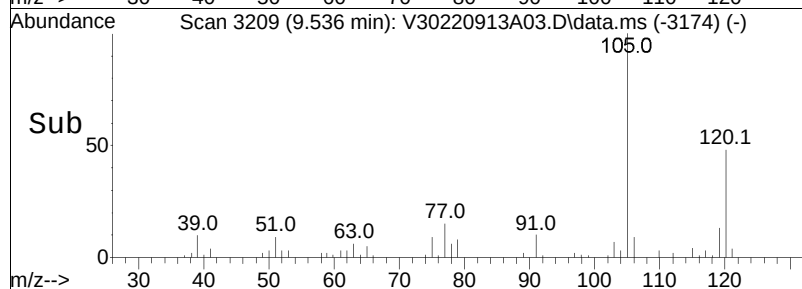
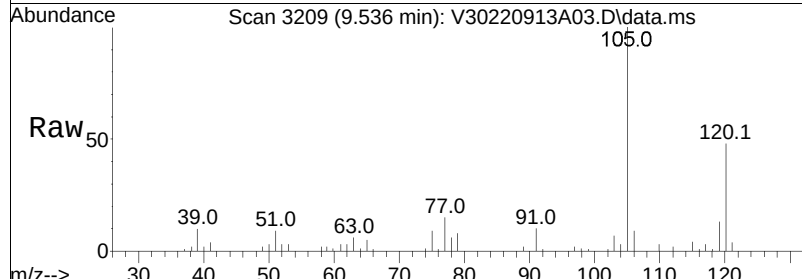
Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	21.5	32.3

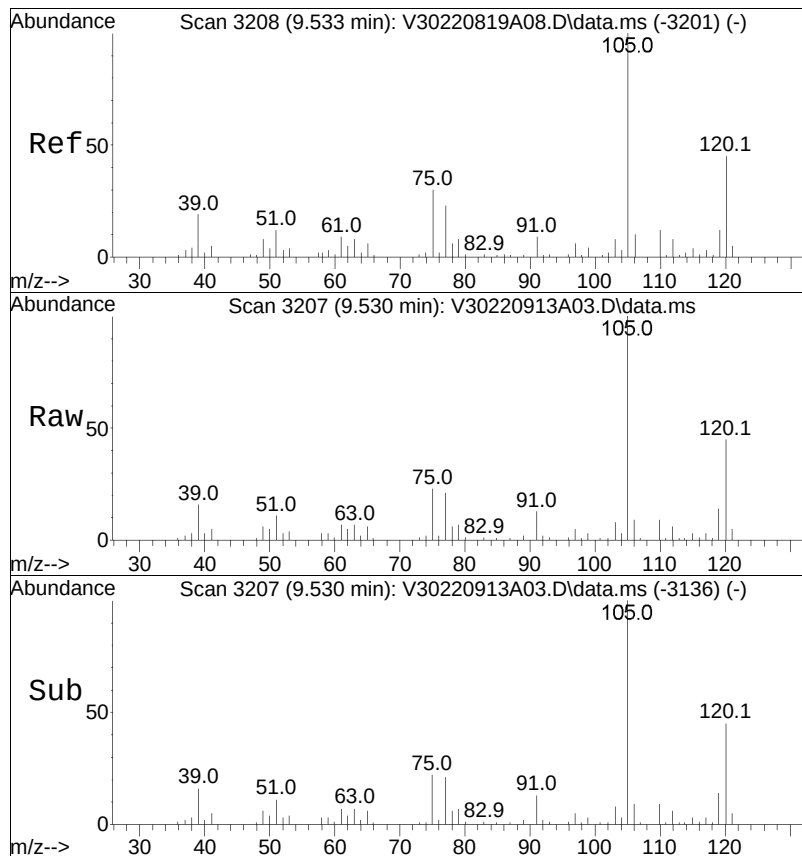




#90
 1,3,5-Trimethylbenzene
 Concen: 8.83 ug/L
 RT: 9.536 min Scan# 3209
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

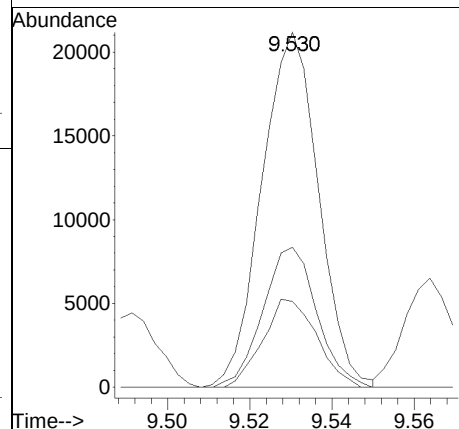
Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	34.8	52.2

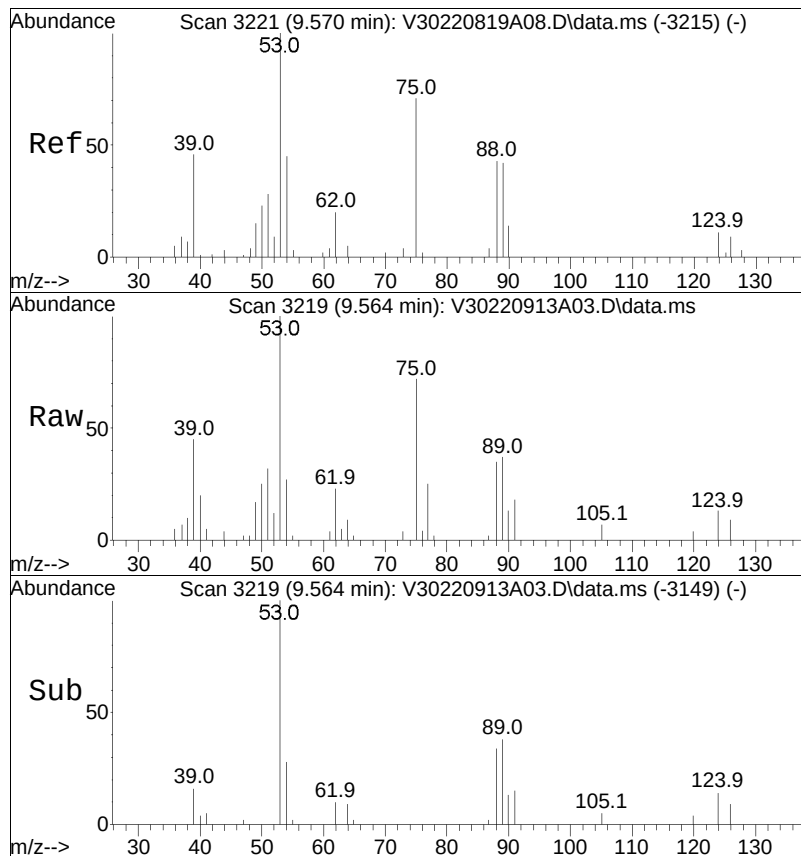




#91
 1,2,3-Trichloropropane
 Concen: 8.21 ug/L
 RT: 9.530 min Scan# 3207
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

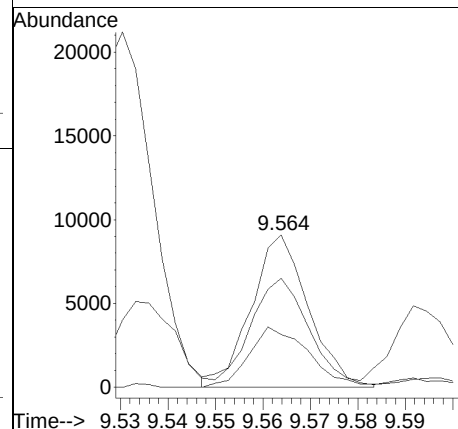
Tgt Ion: 75	Resp: 20275
Ion Ratio	Lower Upper
75 100	
110 37.7	25.4 52.8
112 23.7	15.6 32.4

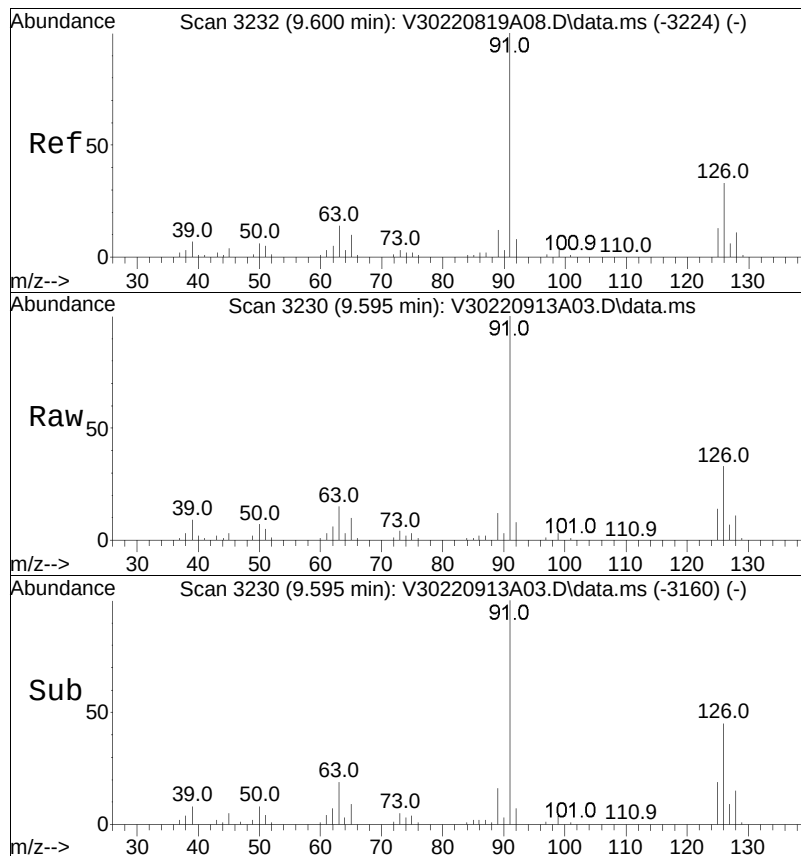




#92
 trans-1,4-Dichloro-2-butene
 Concen: 8.88 ug/L
 RT: 9.564 min Scan# 3219
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

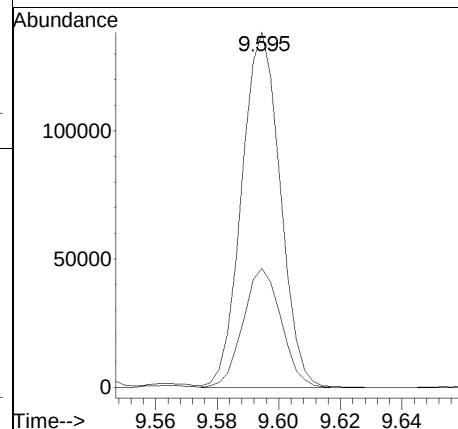
Tgt Ion:	53	Resp:	7635
Ion Ratio	Lower	Upper	
53	100		
88	41.7	39.6	59.4
75	73.0	70.2	105.4

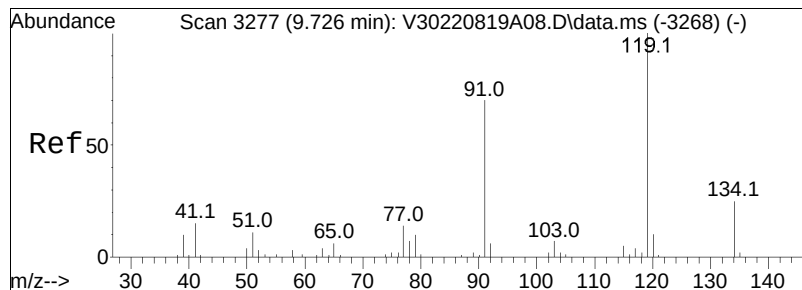




#93
 4-Chlorotoluene
 Concen: 9.37 ug/L
 RT: 9.595 min Scan# 3230
 Delta R.T. -0.005 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	24.6	36.8





#94

tert-Butylbenzene

Concen: 9.31 ug/L

RT: 9.720 min Scan# 3275

Delta R.T. -0.006 min

Lab File: V30220913A03.D

Acq: 13 Sep 2022 07:21 am

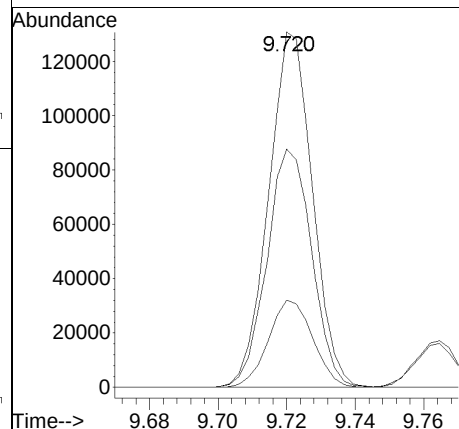
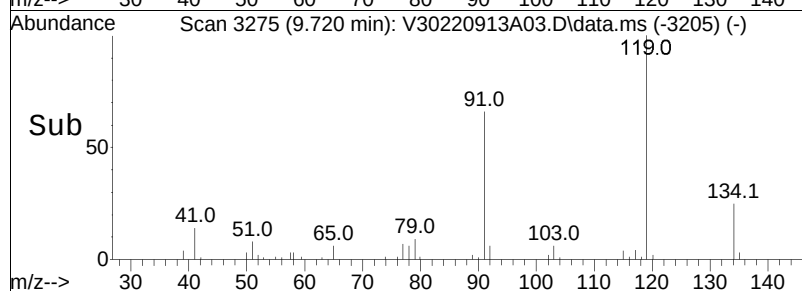
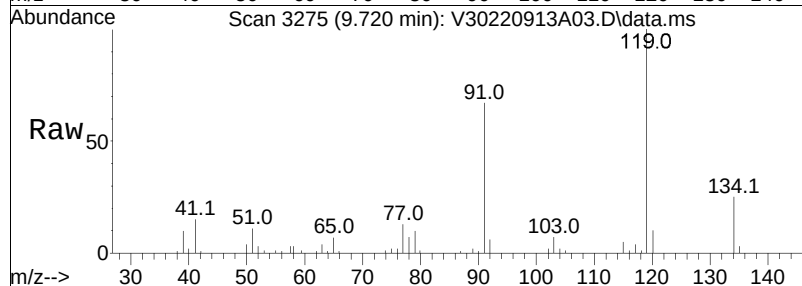
Tgt Ion:119 Resp: 116270

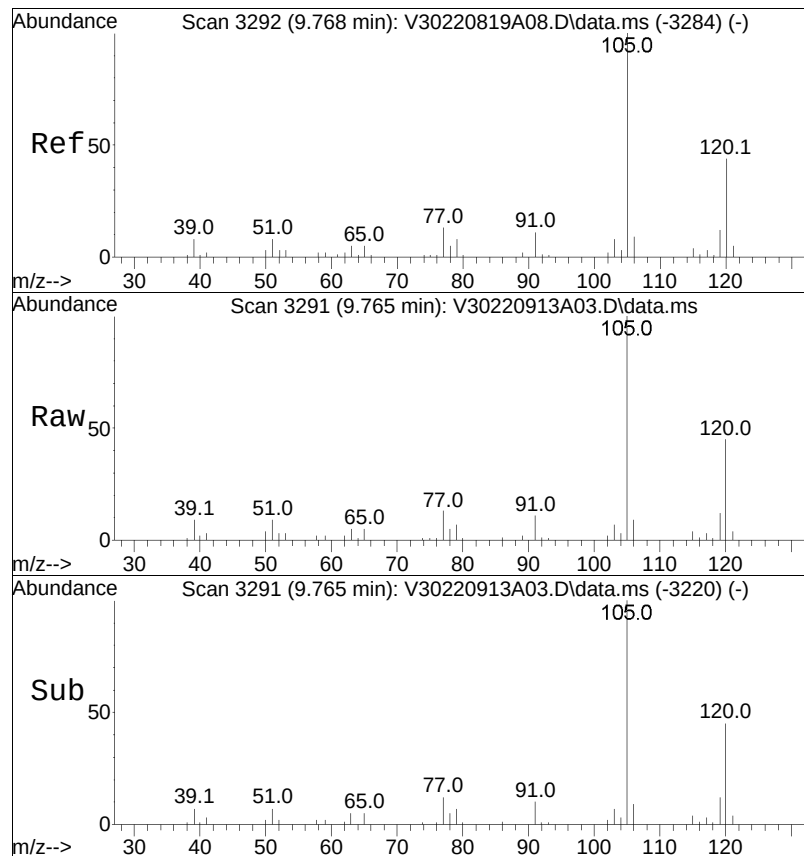
Ion Ratio Lower Upper

119 100

91 68.8 51.4 77.2

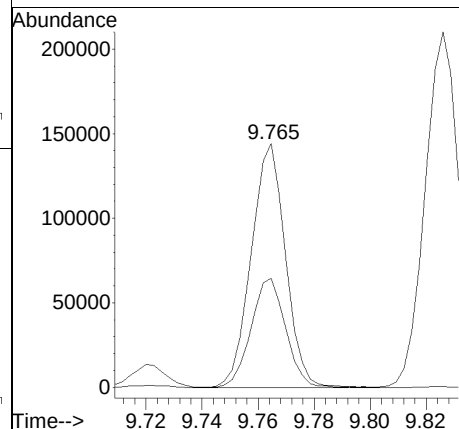
134 24.9 18.3 27.5

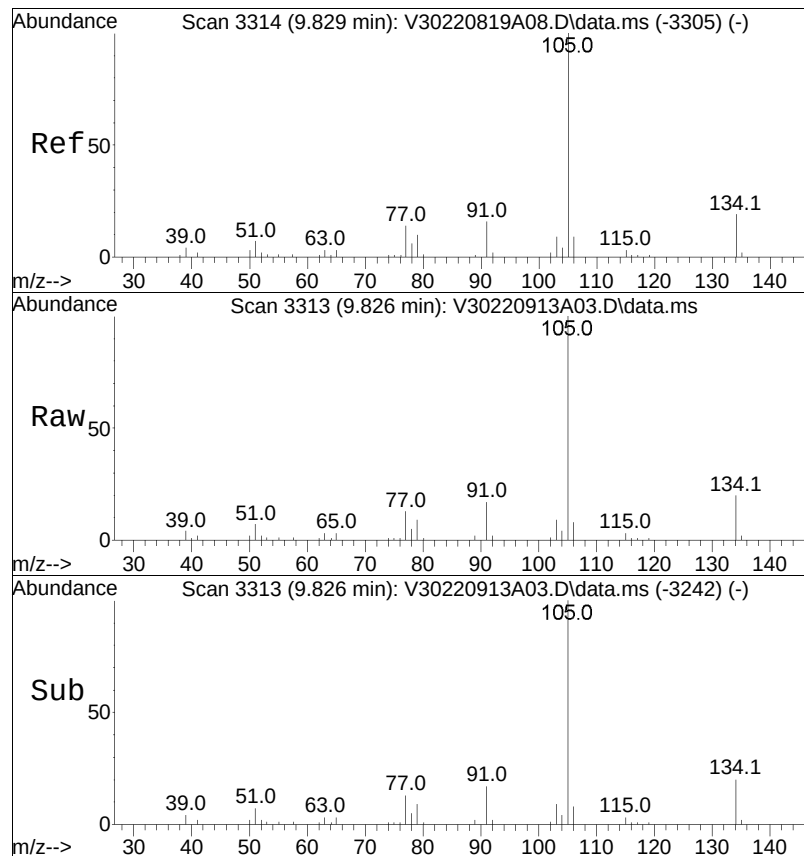




#97
 1,2,4-Trimethylbenzene
 Concen: 8.59 ug/L
 RT: 9.765 min Scan# 3291
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

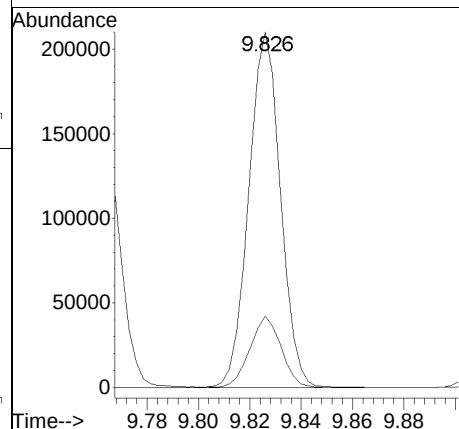
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	33.4	50.0

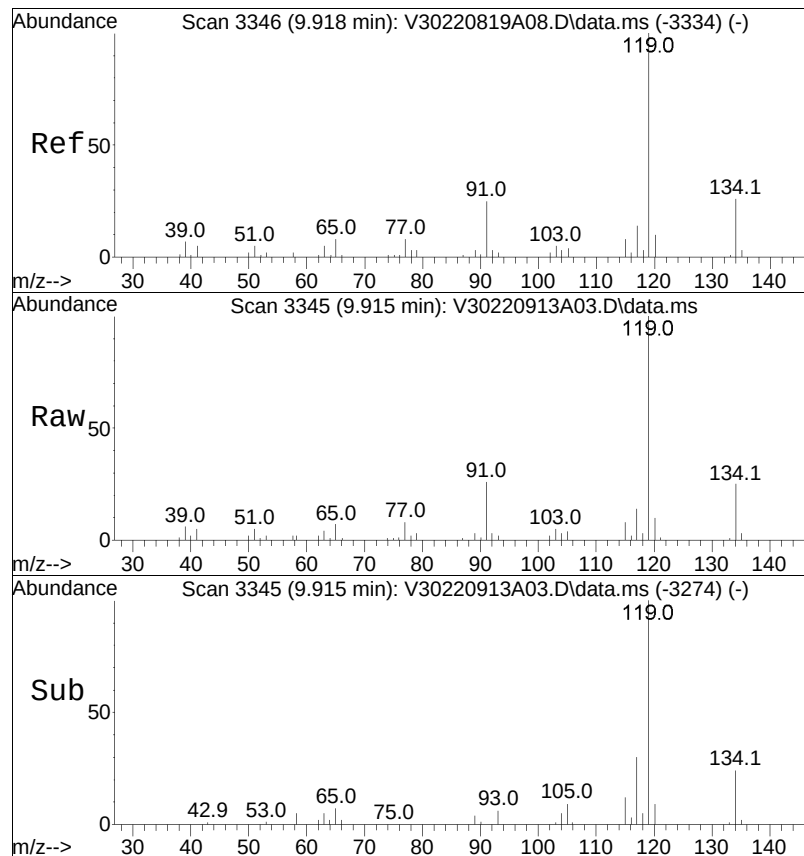




#98
 sec-Butylbenzene
 Concen: 9.62 ug/L
 RT: 9.826 min Scan# 3313
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

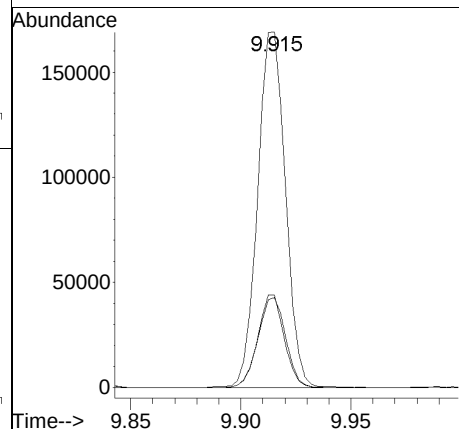
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	19.6	12.5	26.1	

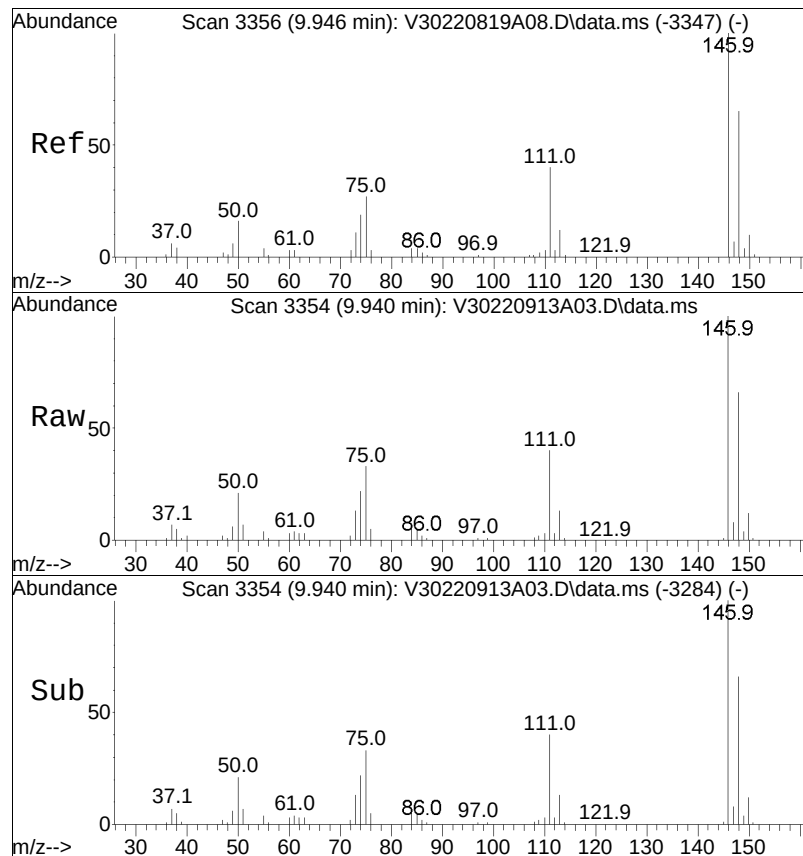




#99
 p-Isopropyltoluene
 Concen: 9.26 ug/L
 RT: 9.915 min Scan# 3345
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

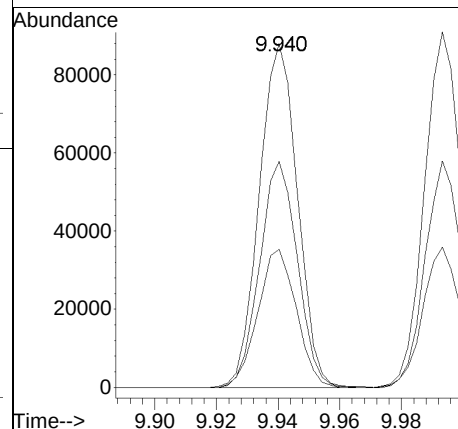
Tgt Ion:	119	Resp:	148222
Ion Ratio	Lower	Upper	
119	100		
134	25.1	16.1	33.3
91	24.7	17.3	35.9

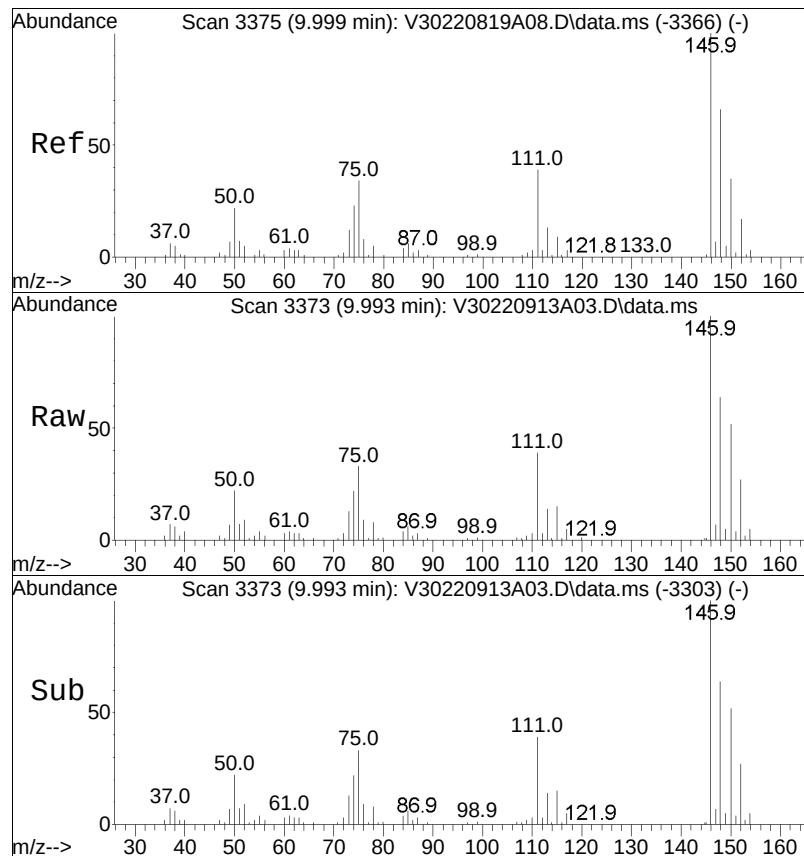




#100
 1,3-Dichlorobenzene
 Concen: 9.40 ug/L
 RT: 9.940 min Scan# 3354
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

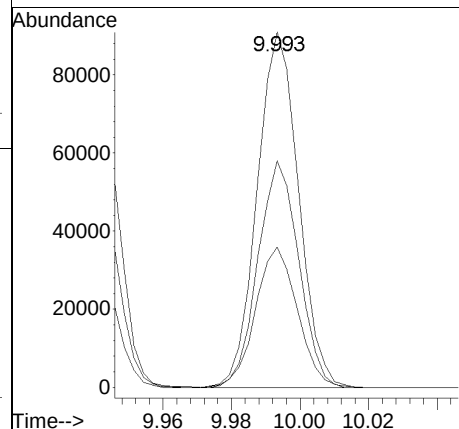
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.5	57.1
148	64.8	41.9	86.9

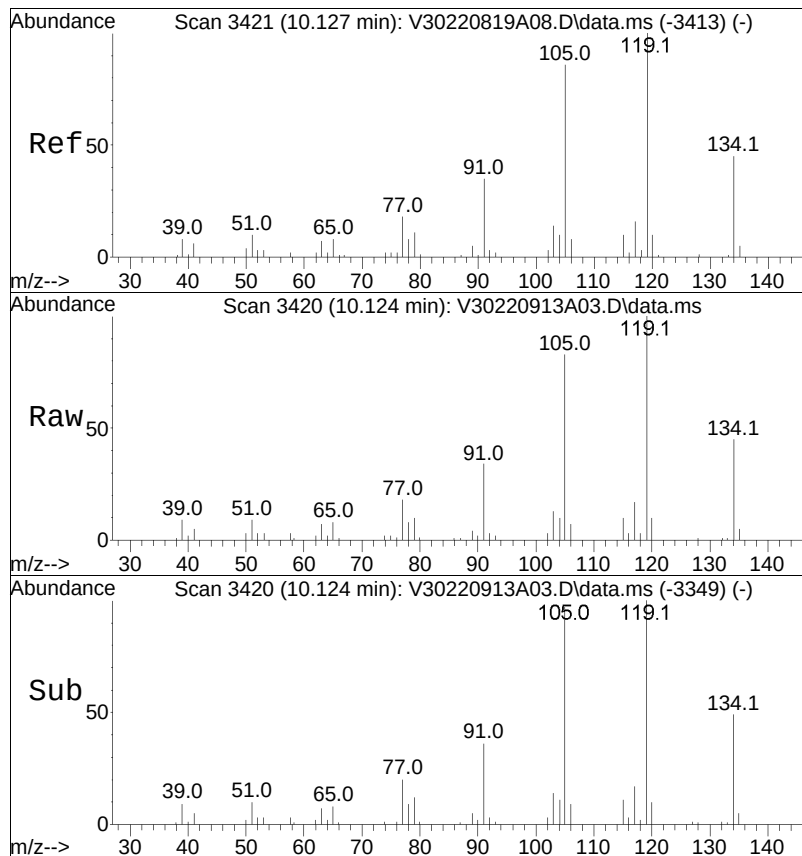




#101
 1,4-Dichlorobenzene
 Concen: 9.39 ug/L
 RT: 9.993 min Scan# 3373
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

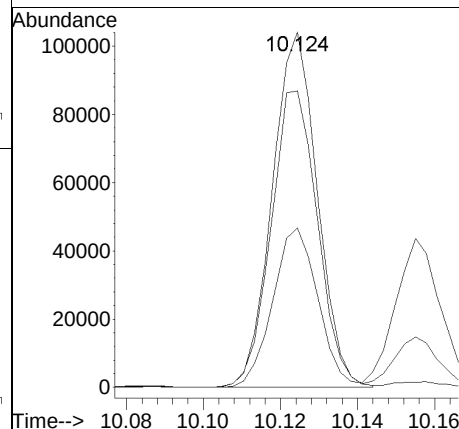
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.3	48.5
148	62.9	49.9	74.9

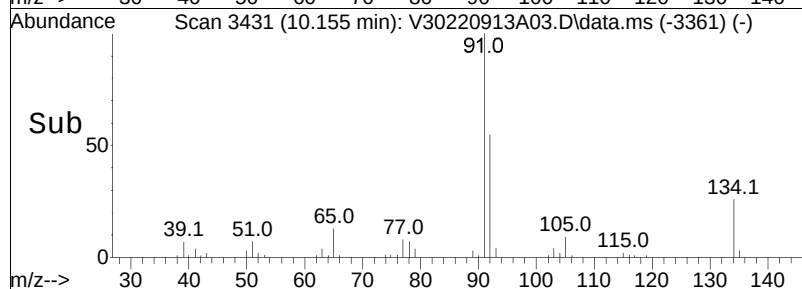
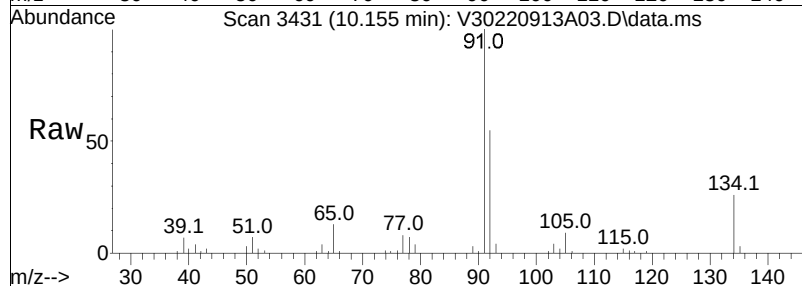
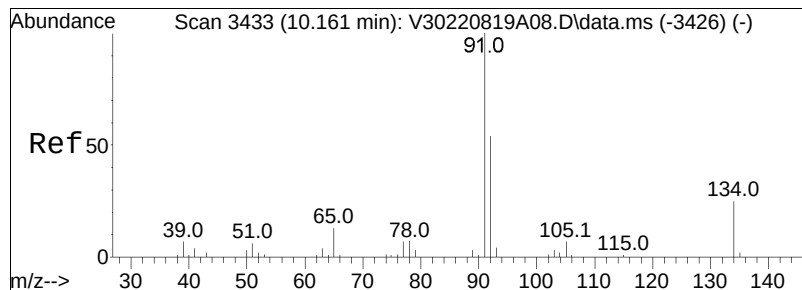




#102
 p-Diethylbenzene
 Concen: 8.72 ug/L
 RT: 10.124 min Scan# 3420
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

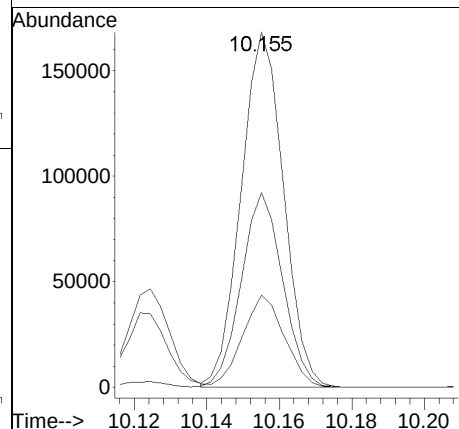
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	84567		
105	86.2		59.5	123.7
134	45.0		30.2	62.6

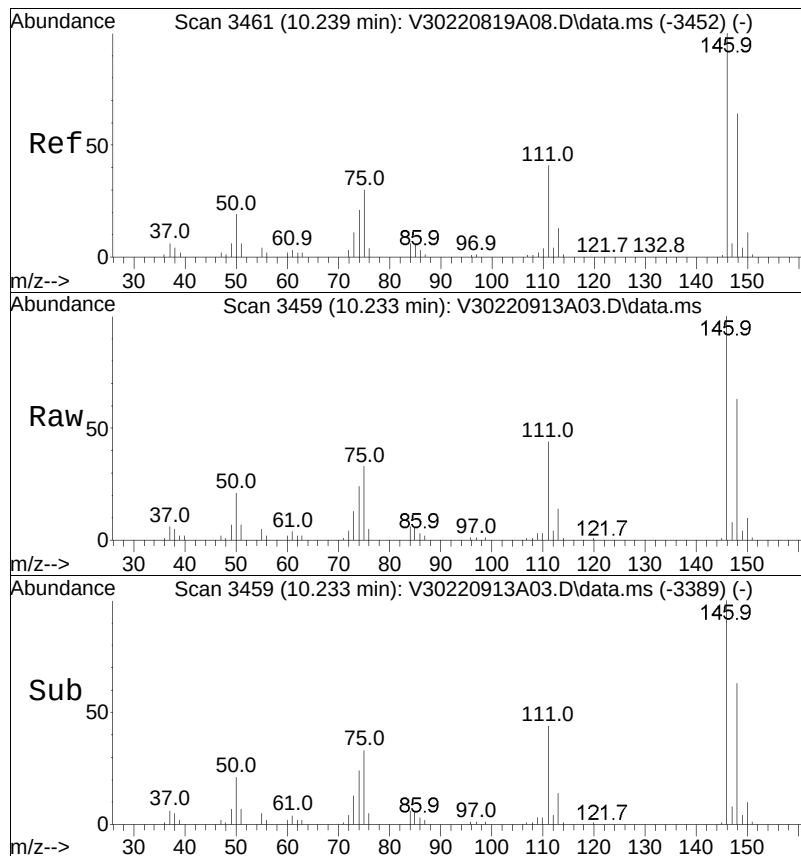




#103
 n-Butylbenzene
 Concen: 9.21 ug/L
 RT: 10.155 min Scan# 3431
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

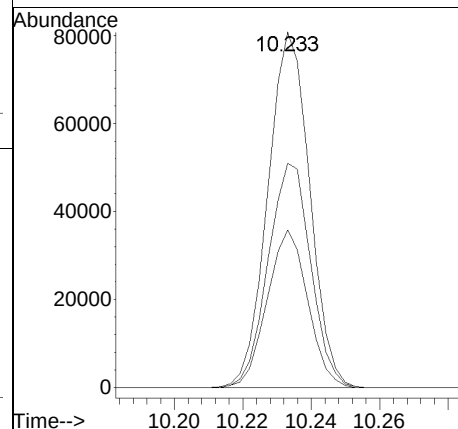
Tgt Ion:	91	Resp:	136967
Ion Ratio	Lower	Upper	
91	100		
92	53.6	43.0	64.4
134	25.6	19.6	29.4

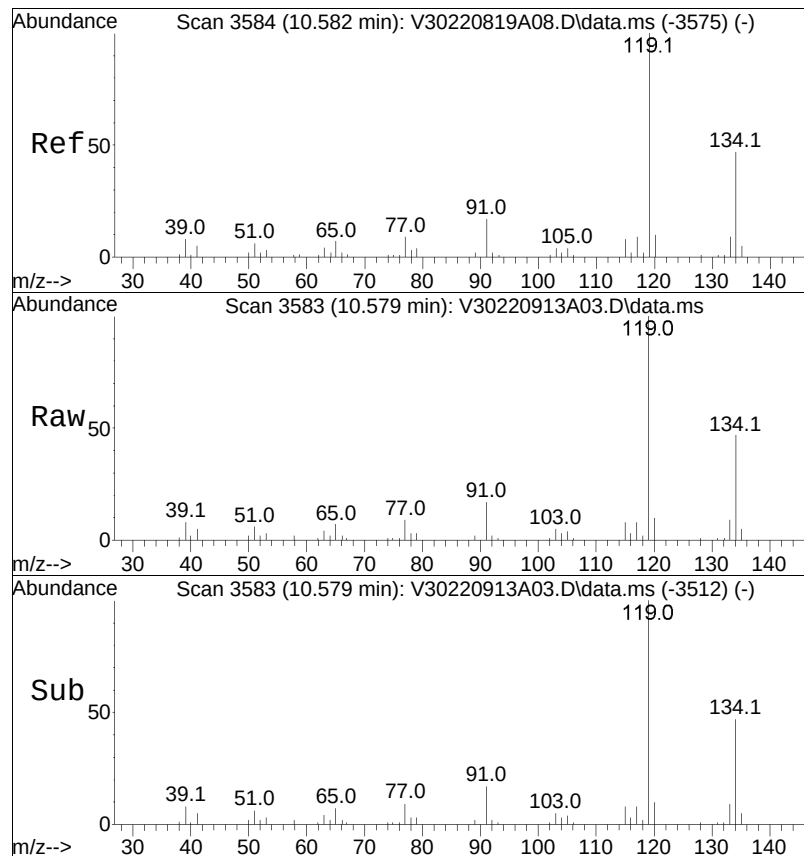




#104
 1,2-Dichlorobenzene
 Concen: 9.05 ug/L
 RT: 10.233 min Scan# 3459
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

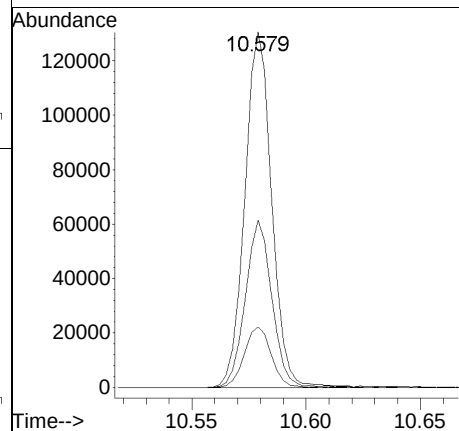
Tgt Ion:	146	Resp:	68529
Ion Ratio	Lower	Upper	
146	100		
111	42.9	28.3	58.7
148	64.3	42.3	87.8

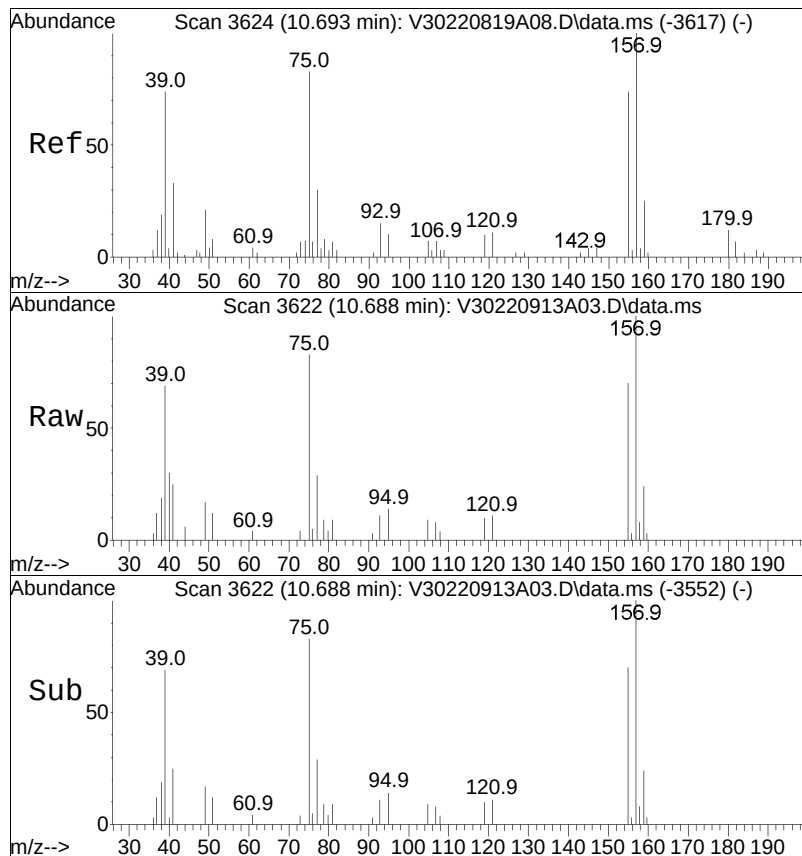




#105
 1,2,4,5-Tetramethylbenzene
 Concen: 7.21 ug/L
 RT: 10.579 min Scan# 3583
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

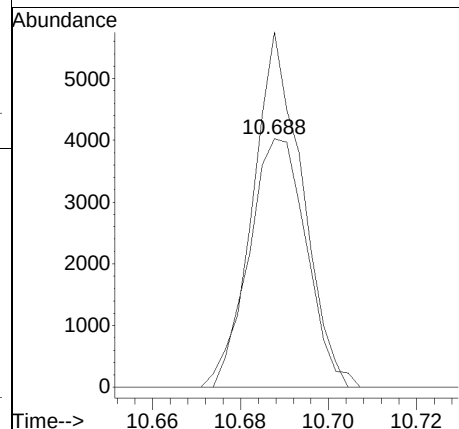
Tgt	Ion:119	Resp:	106868
Ion	Ratio	Lower	Upper
119	100		
134	46.5	30.5	63.3
91	16.9	12.4	25.7

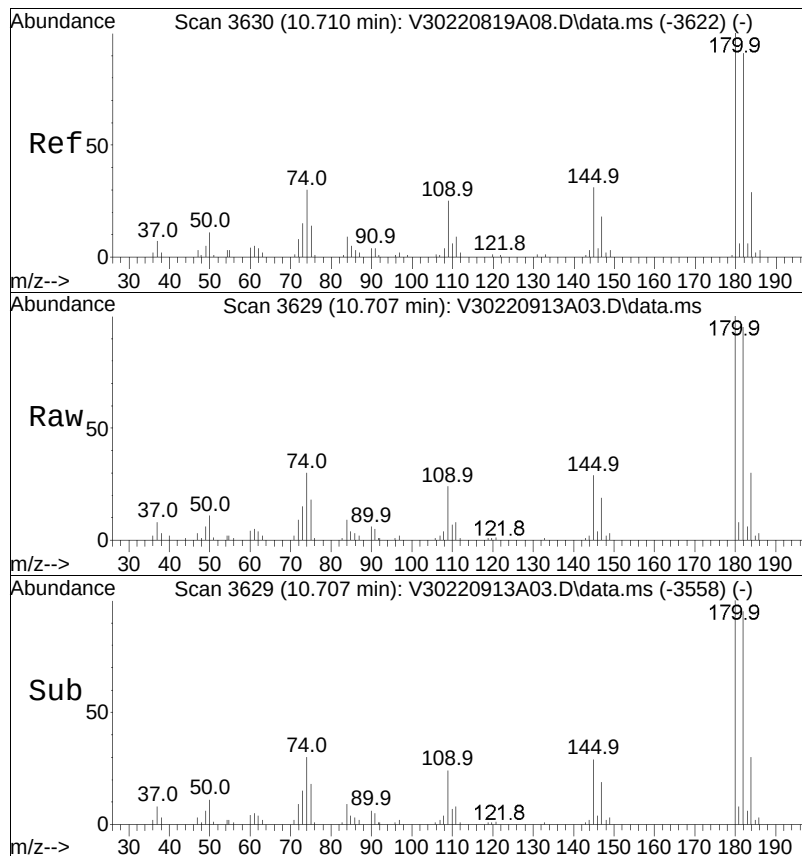




#106
 1,2-Dibromo-3-chloropropane
 Concen: 9.22 ug/L
 RT: 10.688 min Scan# 3622
 Delta R.T. -0.005 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

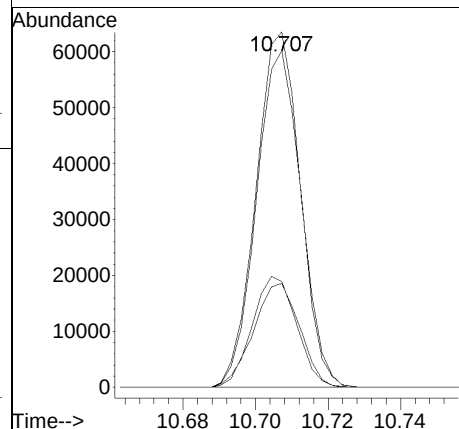
Tgt Ion	Ratio	Lower	Upper
155	100		
157	122.8	94.8	142.2

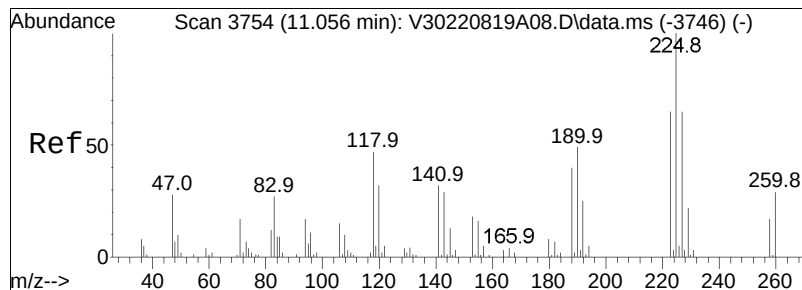




#107
 1,3,5-Trichlorobenzene
 Concen: 8.43 ug/L
 RT: 10.707 min Scan# 3629
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

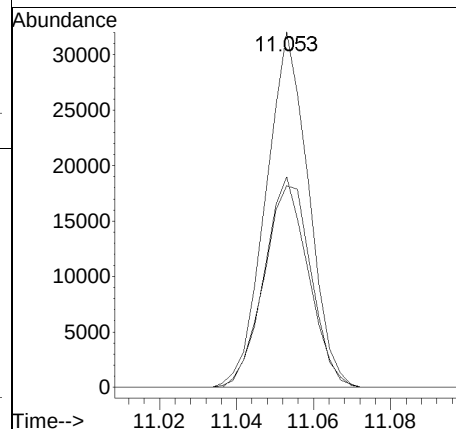
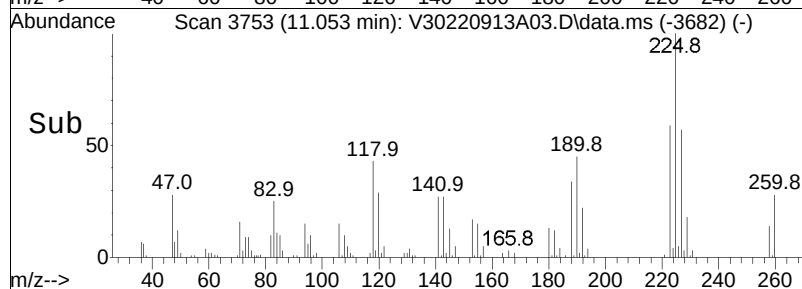
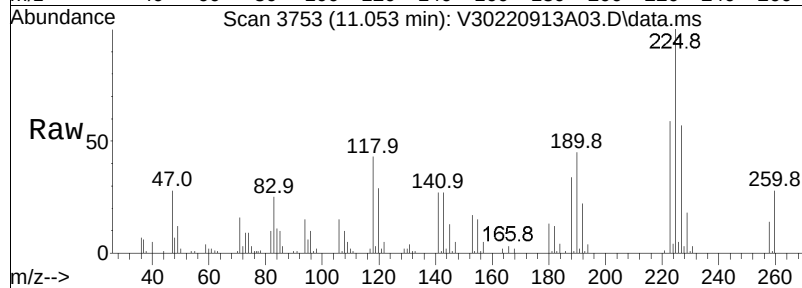
Tgt Ion:	180	Resp:	54390
Ion Ratio	Lower	Upper	
180	100		
182	93.9	63.5	131.9
145	30.0	21.2	44.0
74	31.2	25.3	52.5

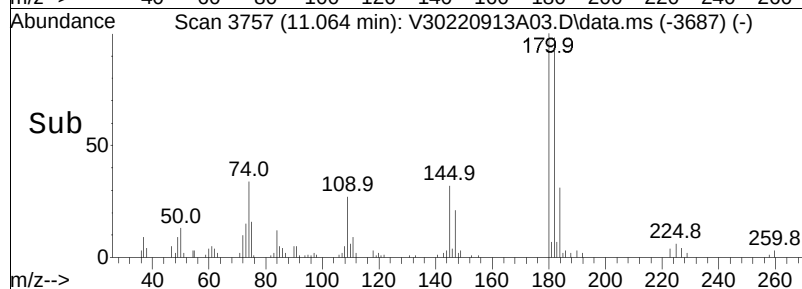
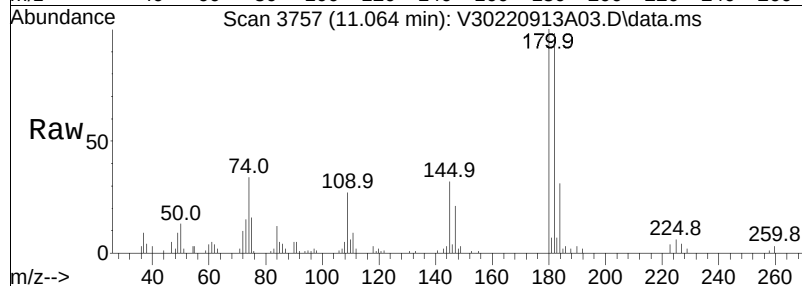
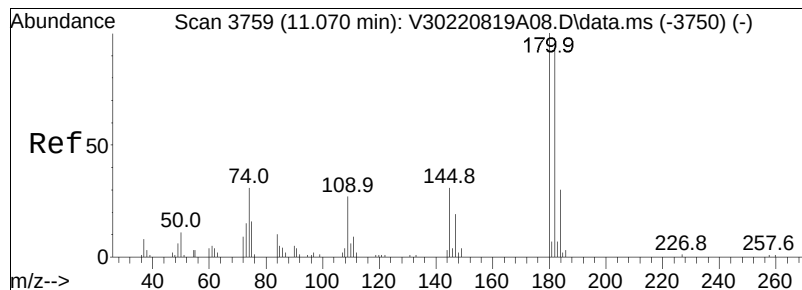




#108
 Hexachlorobutadiene
 Concen: 8.47 ug/L
 RT: 11.053 min Scan# 3753
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	54.3	81.5
227	63.1	52.4	78.6





#109

1,2,4-Trichlorobenzene

Concen: 8.53 ug/L

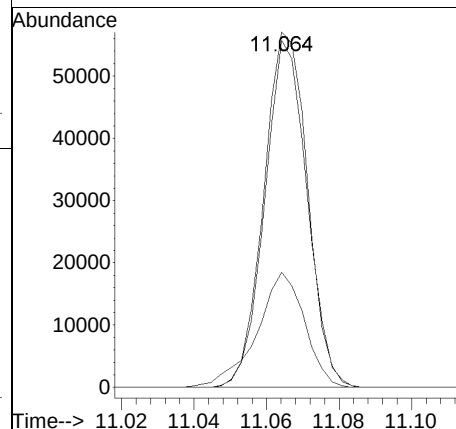
RT: 11.064 min Scan# 3757

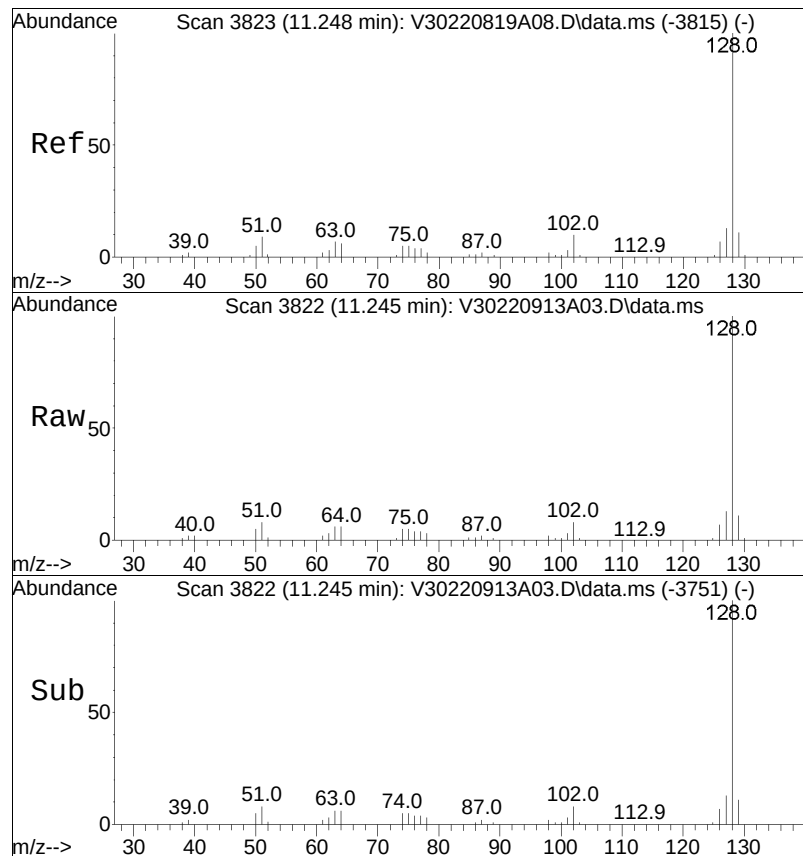
Delta R.T. -0.006 min

Lab File: V30220913A03.D

Acq: 13 Sep 2022 07:21 am

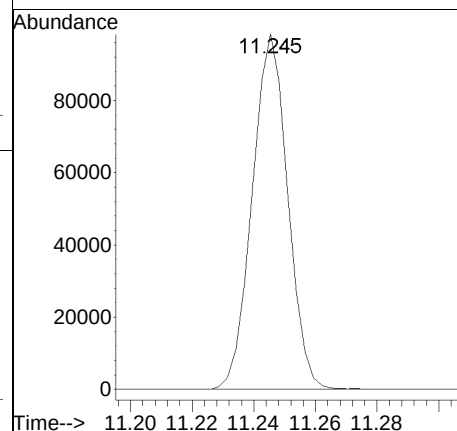
Tgt Ion:	180	Resp:	47790
Ion Ratio	Lower	Upper	
180	100		
182	94.5	77.3	115.9
145	35.5	28.1	42.1

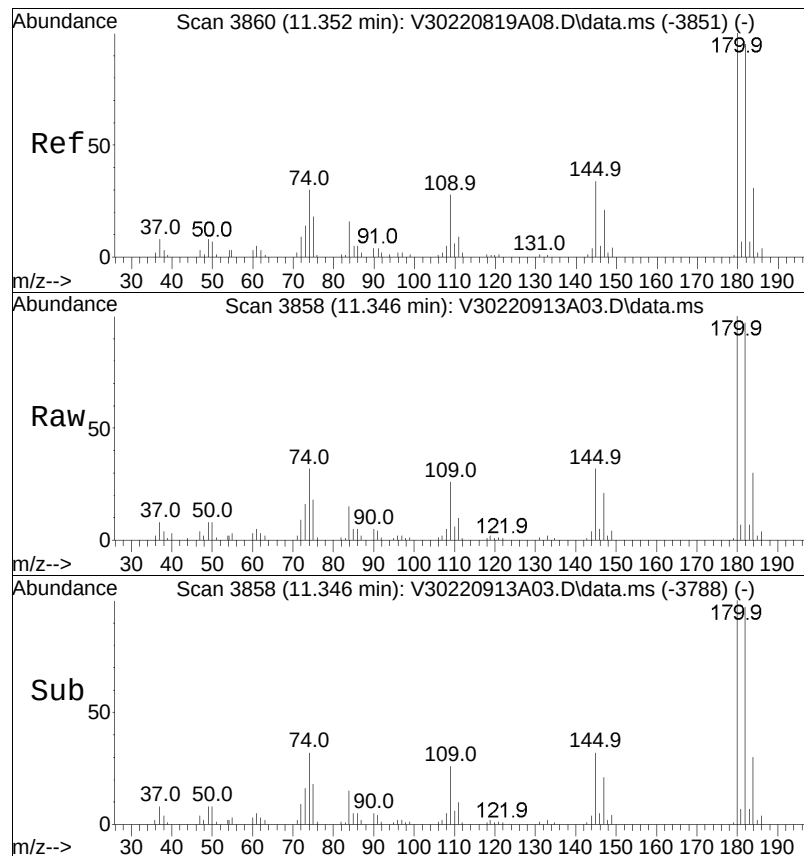




#110
 Naphthalene
 Concen: 7.80 ug/L
 RT: 11.245 min Scan# 3822
 Delta R.T. -0.003 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

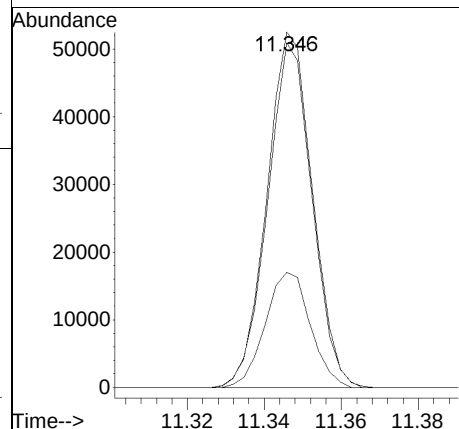
Tgt Ion:128 Resp: 78611





#111
 1,2,3-Trichlorobenzene
 Concen: 8.65 ug/L
 RT: 11.346 min Scan# 3858
 Delta R.T. -0.006 min
 Lab File: V30220913A03.D
 Acq: 13 Sep 2022 07:21 am

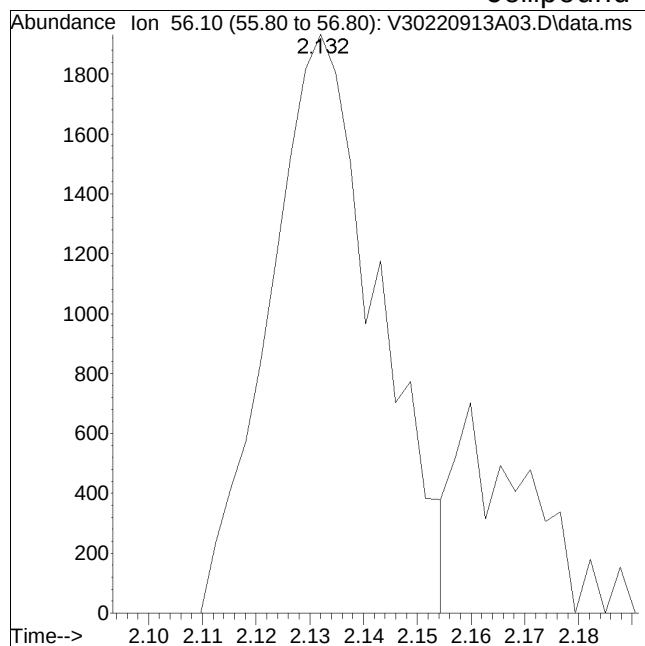
Tgt Ion:	180	Resp:	42983
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.4	114.6
145	32.1	26.4	39.6



Manual Integration Report

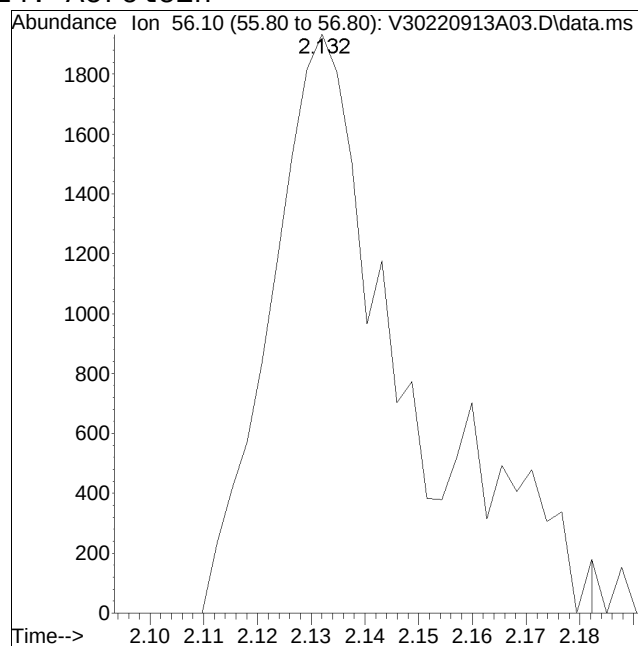
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A03.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:21 am Instrument : VOA130
Sample : WG1686411-11,31,10,10,, Quant Date : 9/13/2022 7:59 am

Compound #14: Acrolein



Original Peak Response = 2709

M4 = Poor automated baseline construction.

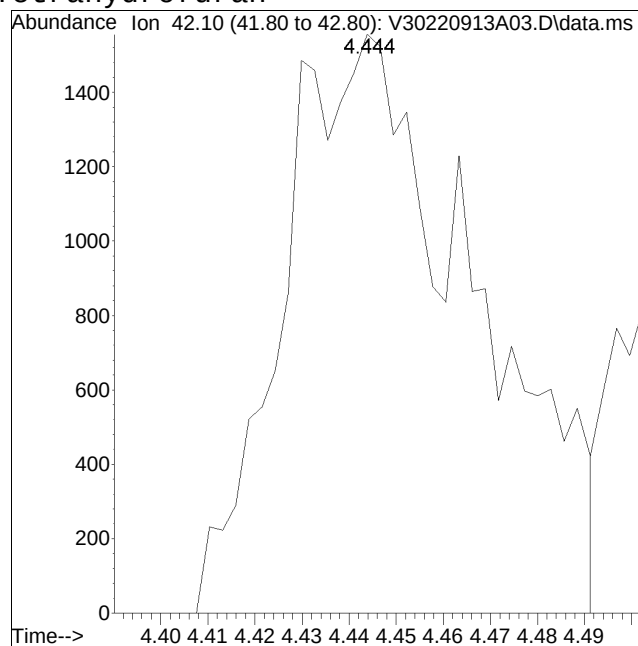
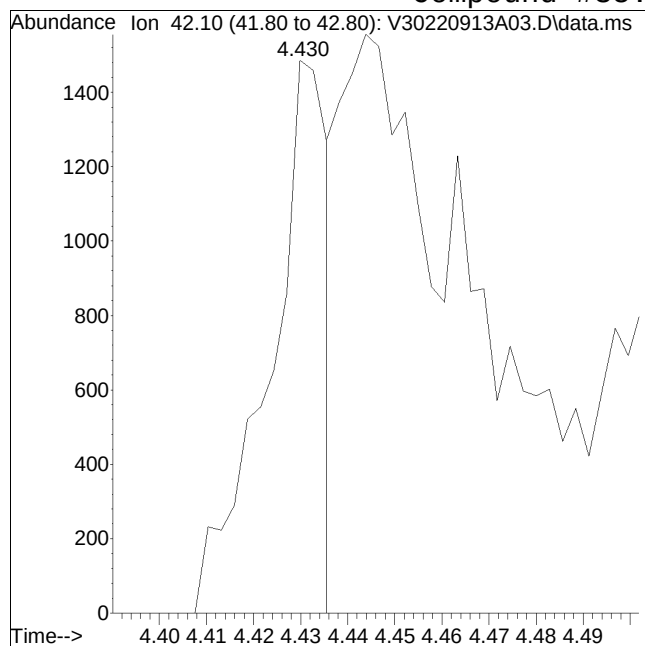


Manual Peak Response = 3336 M4

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A03.D Operator : VOA130:MV
Date Inj'd : 9/13/2022 7:21 am Instrument : VOA130
Sample : WG1686411-11,31,10,10,, Quant Date : 9/13/2022 7:59 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1264

Manual Peak Response = 4412 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\220912A\
 Data File : V30220912A02.D
 Acq On : 12 Sep 2022 07:14 am
 Operator : VOA130:MV
 Sample : WG1686411-4,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 07:46:39 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	181504	10.000	ug/L	0.00
Standard Area 1 = 180811			Recovery	=	100.38%	
59) Chlorobenzene-d5	8.496	117	133877	10.000	ug/L	0.00
Standard Area 1 = 130036			Recovery	=	102.95%	
79) 1,4-Dichlorobenzene-d4	9.985	152	69741	10.000	ug/L	0.00
Standard Area 1 = 66946			Recovery	=	104.18%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.489	113	48544	10.128	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.28%	
43) 1,2-Dichloroethane-d4	5.133	65	49377	9.383	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.83%	
60) Toluene-d8	7.194	98	178317	10.254	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.54%	
83) 4-Bromofluorobenzene	9.316	95	64791	9.799	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.99%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.936	85	21739	5.885	ug/L	96
3) Chloromethane	1.059	50	36357	8.530	ug/L	100
4) Vinyl chloride	1.109	62	38497	9.103	ug/L	95
5) Bromomethane	1.312	94	16048	5.513	ug/L	99
6) Chloroethane	1.399	64	29258	11.013	ug/L	97
7) Trichlorofluoromethane	1.494	101	61025	9.386	ug/L	99
8) Ethyl ether	1.728	74	13307	8.679	ug/L	84
10) 1,1-Dichloroethene	1.856	96	33380	9.659	ug/L	84
11) Carbon disulfide	1.859	76	87962	10.258	ug/L	96
15) Methylene chloride	2.339	84	38363	9.902	ug/L	83
17) Acetone	2.397	43	6330	10.567	ug/L	94
18) trans-1,2-Dichloroethene	2.486	96	35553	9.510	ug/L	86
20) Methyl tert-butyl ether	2.620	73	53346	7.327	ug/L	94
23) 1,1-Dichloroethane	3.122	63	75133	10.059	ug/L	99
25) Acrylonitrile	3.192	53	6980	8.854	ug/L	94
27) Vinyl acetate	3.499	43	55262	8.276	ug/L #	92
28) cis-1,2-Dichloroethene	3.811	96	38986	9.078	ug/L	82
29) 2,2-Dichloropropane	3.945	77	44171	8.968	ug/L #	68
30) Bromochloromethane	4.084	128	17208	9.210	ug/L #	31
32) Chloroform	4.249	83	71078	9.704	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A02.D
 Acq On : 12 Sep 2022 07:14 am
 Operator : VOA130:MV
 Sample : WG1686411-4,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 07:46:39 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
34)	Carbon tetrachloride	4.372	117	52011	9.996	ug/L		99
37)	1,1,1-Trichloroethane	4.469	97	56832	9.337	ug/L	#	96
39)	2-Butanone	4.681	43	8313	9.075	ug/L	#	86
40)	1,1-Dichloropropene	4.642	75	48246	9.318	ug/L	#	87
41)	Benzene	4.952	78	148433	9.647	ug/L		94
44)	1,2-Dichloroethane	5.216	62	48422	8.983	ug/L		98
48)	Trichloroethene	5.679	95	39068	9.757	ug/L		98
50)	Dibromomethane	6.126	93	18932	8.877	ug/L		96
51)	1,2-Dichloropropane	6.243	63	38653	9.517	ug/L		97
54)	Bromodichloromethane	6.354	83	50534	9.200	ug/L		99
57)	1,4-Dioxane	6.580	88	8050M1	598.810	ug/L		
58)	cis-1,3-Dichloropropene	7.015	75	51435	9.419	ug/L		96
61)	Toluene	7.241	92	93892	9.660	ug/L		98
62)	4-Methyl-2-pentanone	7.654	58	6993	8.135	ug/L	#	96
63)	Tetrachloroethene	7.598	166	39914	9.693	ug/L		93
65)	trans-1,3-Dichloropropene	7.671	75	39314	9.365	ug/L		99
68)	1,1,2-Trichloroethane	7.799	83	21221	8.980	ug/L		97
69)	Chlorodibromomethane	7.933	129	31254	8.956	ug/L		98
70)	1,3-Dichloropropane	8.011	76	45237	9.069	ug/L		98
71)	1,2-Dibromoethane	8.092	107	23291	8.722	ug/L		97
72)	2-Hexanone	8.337	43	11405	7.573	ug/L		97
73)	Chlorobenzene	8.507	112	103328	9.627	ug/L		94
74)	Ethylbenzene	8.549	91	181506	9.589	ug/L		99
75)	1,1,1,2-Tetrachloroethane	8.566	131	33987	9.475	ug/L		94
76)	p/m Xylene	8.658	106	138480	19.670	ug/L		99
77)	o Xylene	8.939	106	133148	19.370	ug/L		96
78)	Styrene	8.978	104	224444	20.224	ug/L		92
80)	Bromoform	8.978	173	18850	9.237	ug/L		94
82)	Isopropylbenzene	9.151	105	178807	9.583	ug/L		98
84)	Bromobenzene	9.372	156	41294	8.916	ug/L		98
85)	n-Propylbenzene	9.411	91	223064	9.910	ug/L		99
87)	1,1,2,2-Tetrachloroethane	9.461	83	28128	8.319	ug/L		97
88)	4-Ethyltoluene	9.480	105	176199	9.570	ug/L		98
89)	2-Chlorotoluene	9.492	91	152184	9.674	ug/L		97
90)	1,3,5-Trimethylbenzene	9.536	105	142029	8.922	ug/L		93
91)	1,2,3-Trichloropropane	9.531	75	22667	8.344	ug/L		97
92)	trans-1,4-Dichloro-2-b...	9.564	53	8392	8.876	ug/L	#	85
93)	4-Chlorotoluene	9.595	91	133539	9.462	ug/L		96
94)	tert-Butylbenzene	9.720	119	130435	9.495	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A02.D
 Acq On : 12 Sep 2022 07:14 am
 Operator : VOA130:MV
 Sample : WG1686411-4,31,10,10
 Misc : WG1686411,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 07:46:39 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220912A\V30220912A01.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.765	105	136490	8.718	ug/L	97
98)	sec-Butylbenzene	9.826	105	201778	9.806	ug/L	100
99)	p-Isopropyltoluene	9.915	119	166684	9.464	ug/L	97
100)	1,3-Dichlorobenzene	9.941	146	83748	9.425	ug/L	99
101)	1,4-Dichlorobenzene	9.993	146	83333	9.327	ug/L	99
102)	p-Diethylbenzene	10.122	119	94020	8.813	ug/L	96
103)	n-Butylbenzene	10.155	91	154352	9.436	ug/L	99
104)	1,2-Dichlorobenzene	10.233	146	75897	9.112	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	121242	7.437	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.688	155	3890	8.973	ug/L	91
108)	Hexachlorobutadiene	11.053	225	26788	8.335	ug/L	96
109)	1,2,4-Trichlorobenzene	11.064	180	50771	8.236	ug/L	99
110)	Naphthalene	11.246	128	84352	7.609	ug/L	100
111)	1,2,3-Trichlorobenzene	11.346	180	45921	8.399	ug/L	99

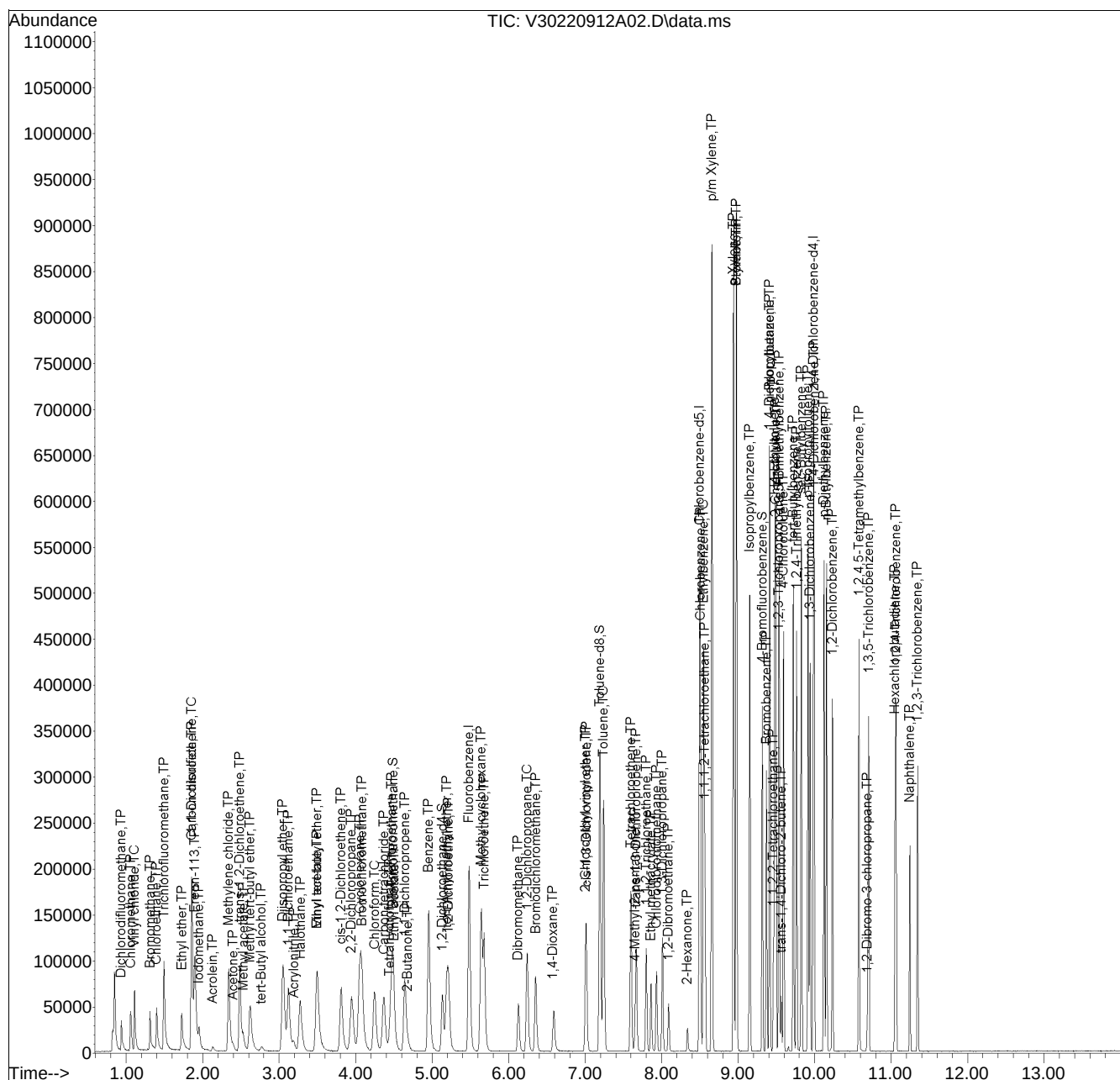
(#) = qualifier out of range (m) = manual integration (+) = signals summed

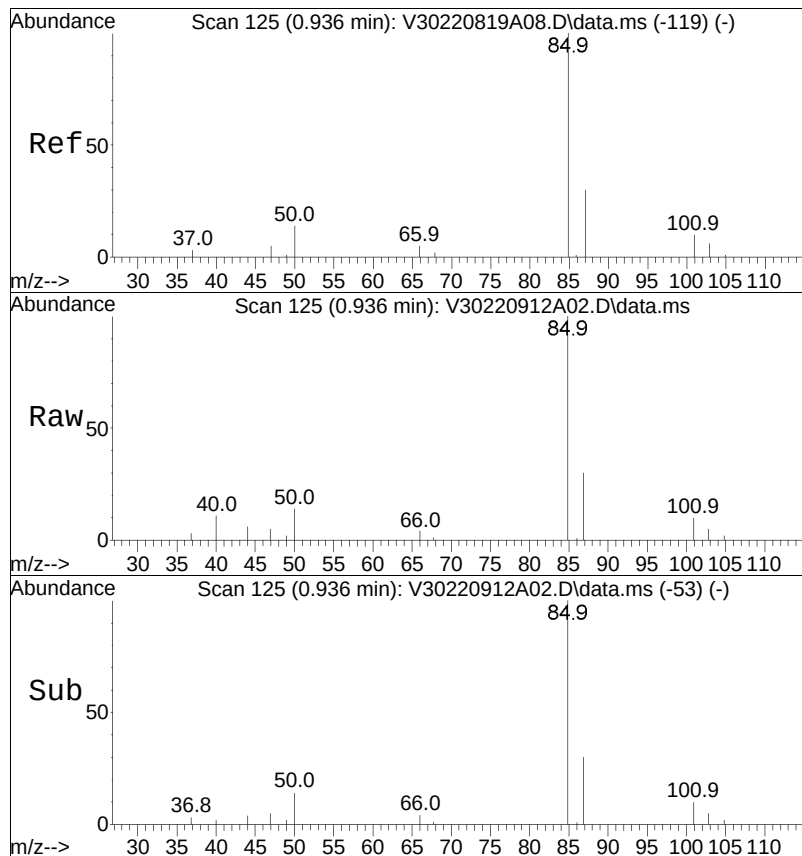
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220912A\
 Data File : V30220912A02.D
 Acq On : 12 Sep 2022 07:14 am
 Operator : VOA130:MV
 Sample : WG1686411-4, 31, 10, 10
 Misc : WG1686411, ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 07:46:39 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220912A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

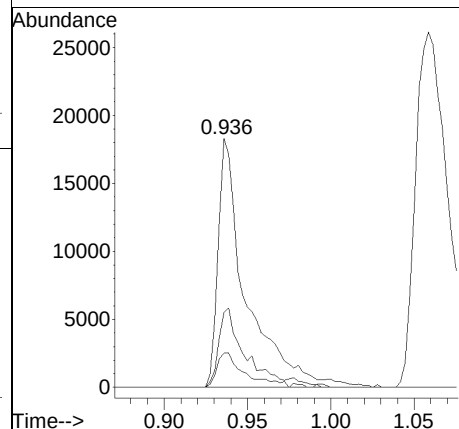
Sub List : 8260-Curve - Megamix plus Diox20912A\V30220912A01.D•

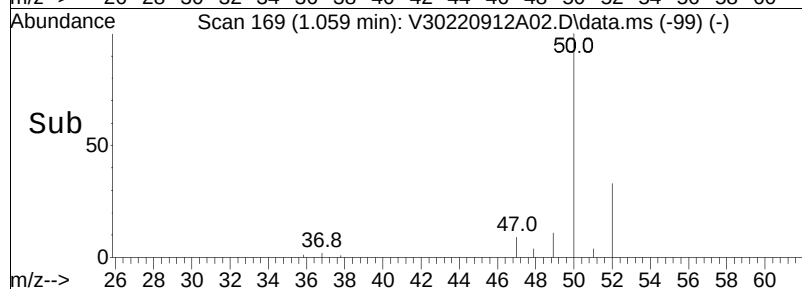
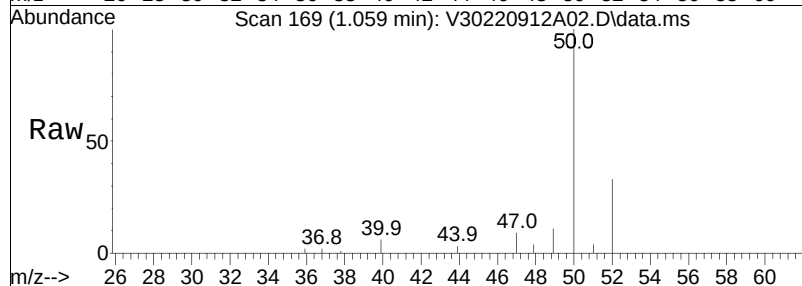
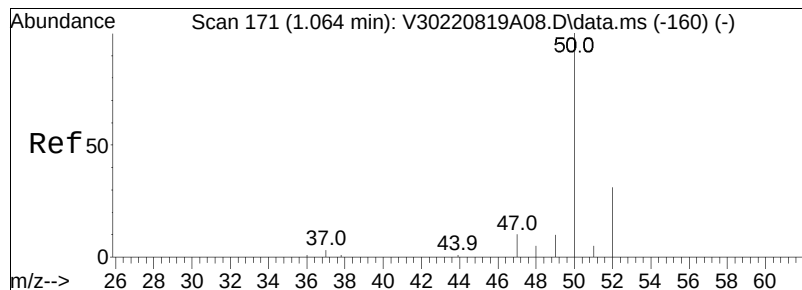




#2
 Dichlorodifluoromethane
 Concen: 5.89 ug/L
 RT: 0.936 min Scan# 125
 Delta R.T. -0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

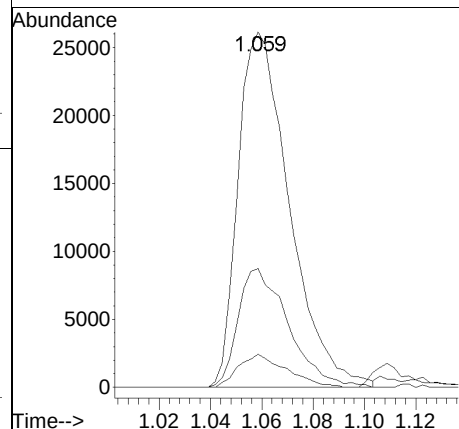
Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.9	21.0	43.6
50	13.7	8.9	18.5

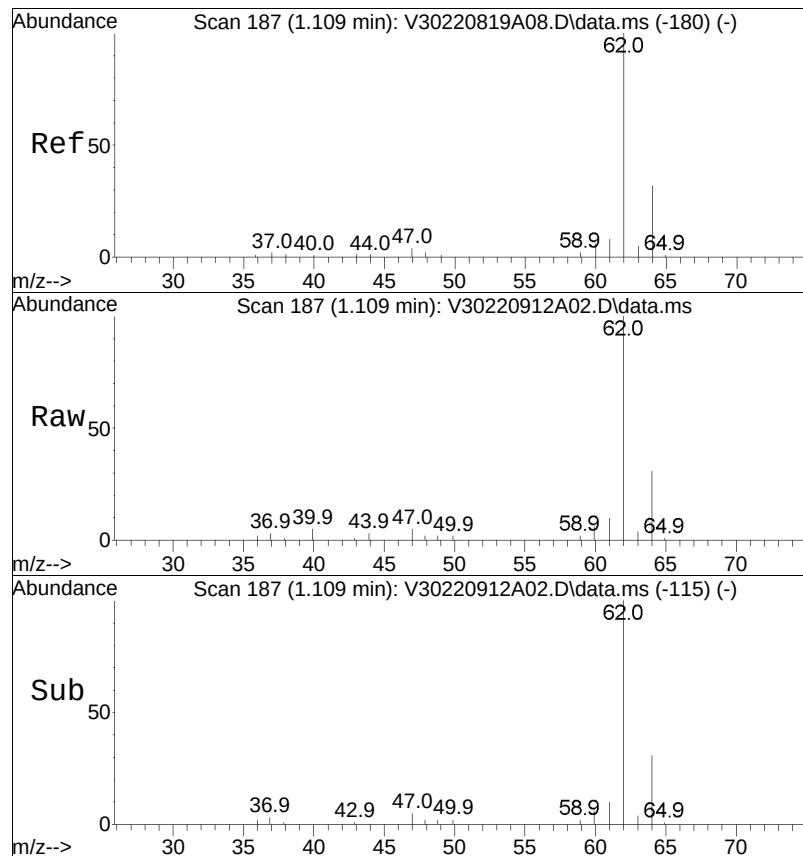




#3
Chloromethane
Concen: 8.53 ug/L
RT: 1.059 min Scan# 169
Delta R.T. -0.005 min
Lab File: V30220912A02.D
Acq: 12 Sep 2022 07:14 am

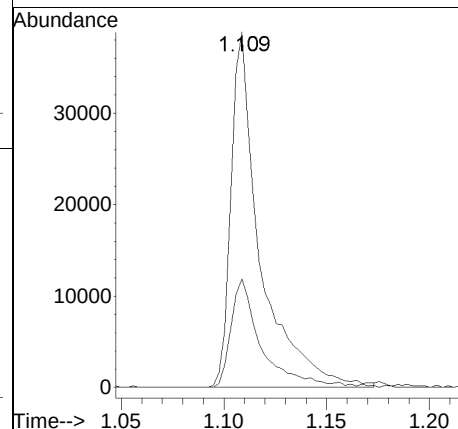
Tgt Ion:	50	Resp:	36357
Ion Ratio	Lower	Upper	
50	100		
52	32.8	12.9	52.9
47	8.8	0.0	28.3

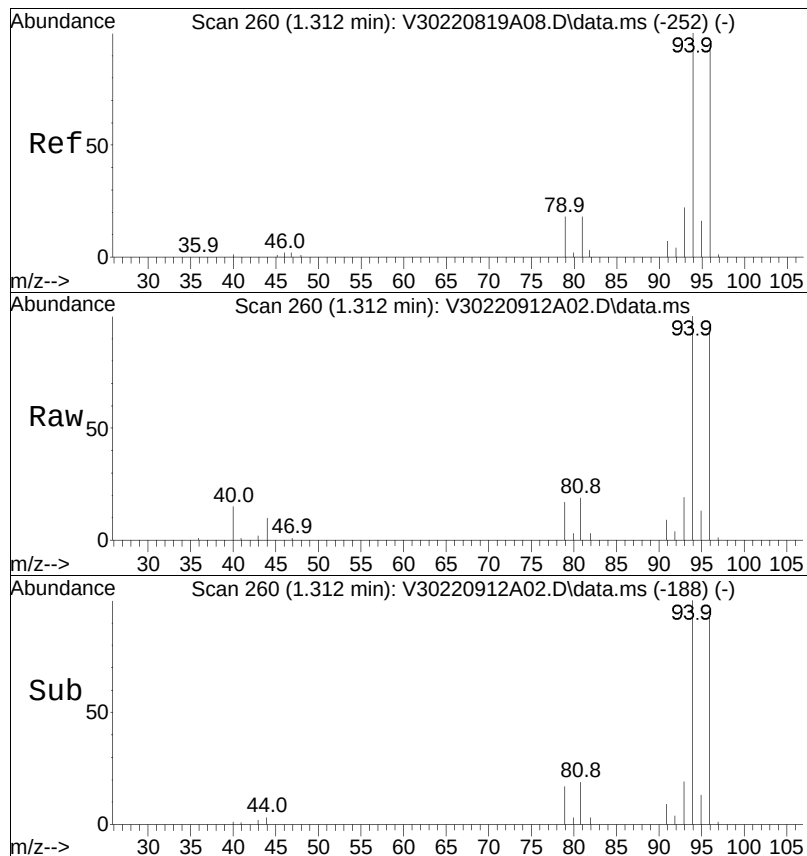




#4
 Vinyl chloride
 Concen: 9.10 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

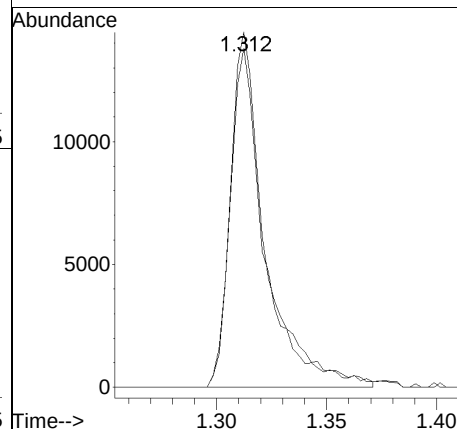
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	9.1	49.1

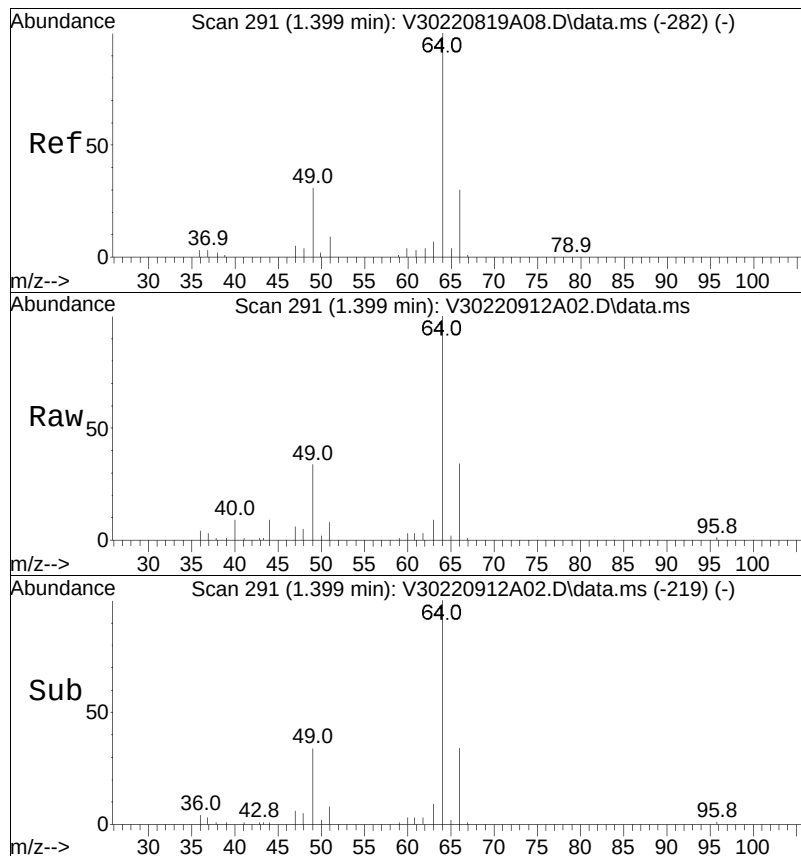




#5
 Bromomethane
 Concen: 5.51 ug/L
 RT: 1.312 min Scan# 260
 Delta R.T. 0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

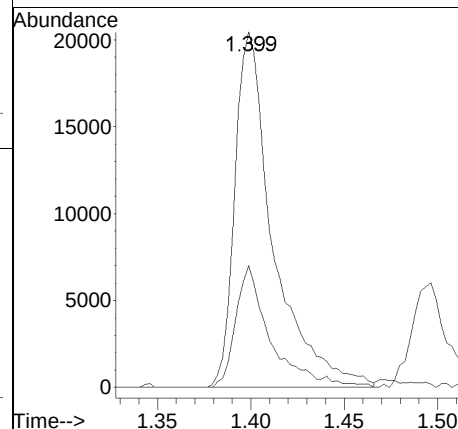
Tgt Ion	94	96	Ratio	Lower	Upper
Resp	16048				
Ion	100				
Ratio	94.3	75.6	115.6		

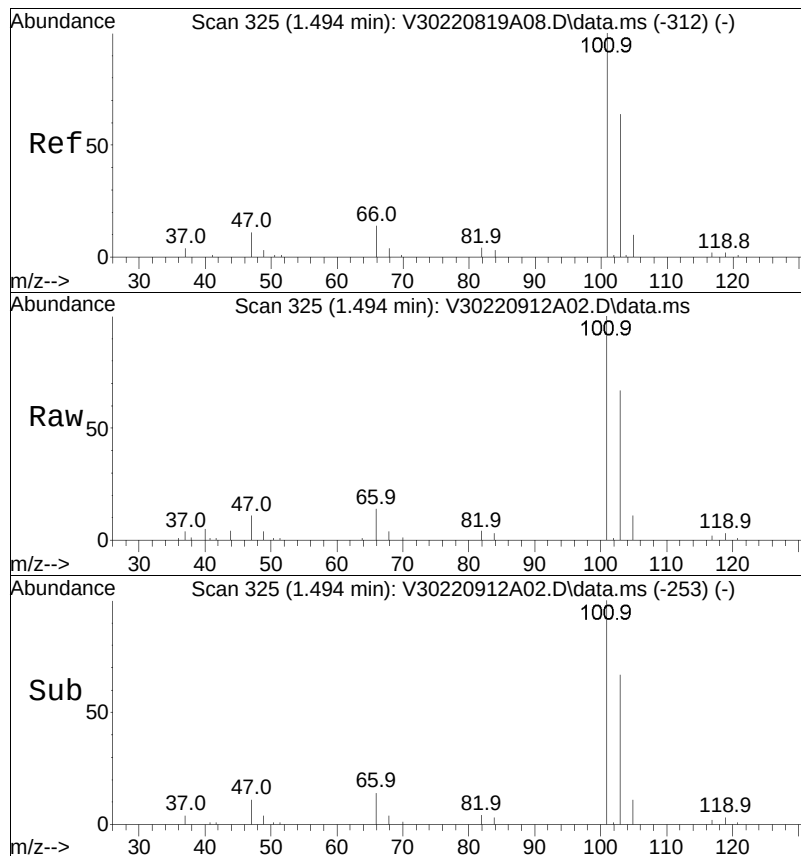




#6
 Chloroethane
 Concen: 11.01 ug/L
 RT: 1.399 min Scan# 291
 Delta R.T. -0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

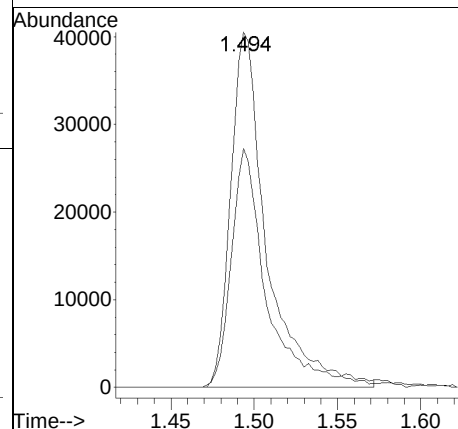
Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.3	9.8	49.8

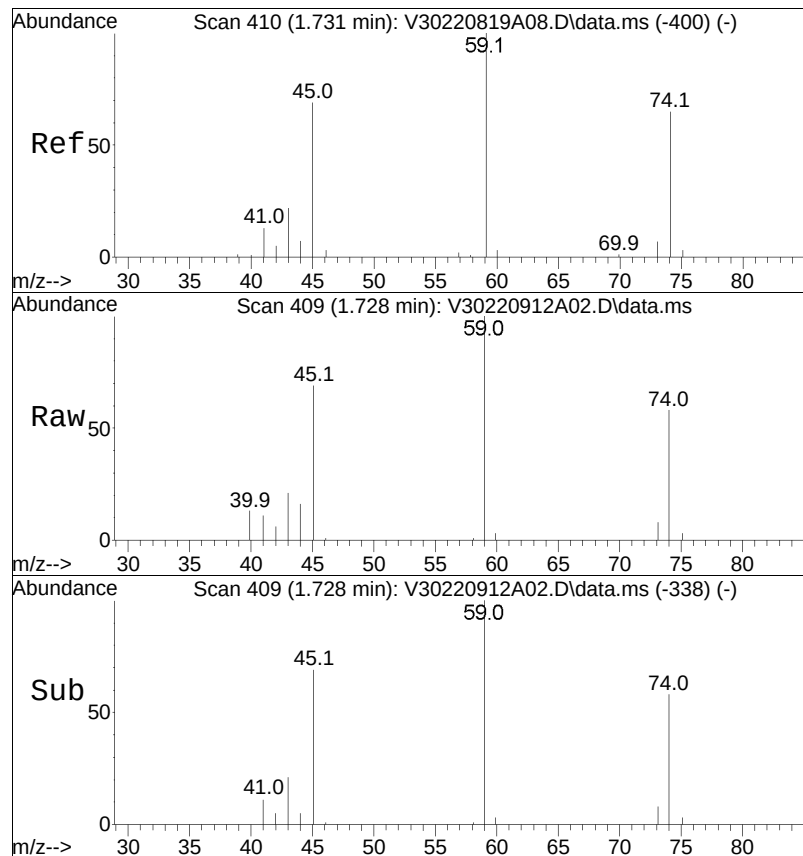




#7
 Trichlorofluoromethane
 Concen: 9.39 ug/L
 RT: 1.494 min Scan# 325
 Delta R.T. -0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

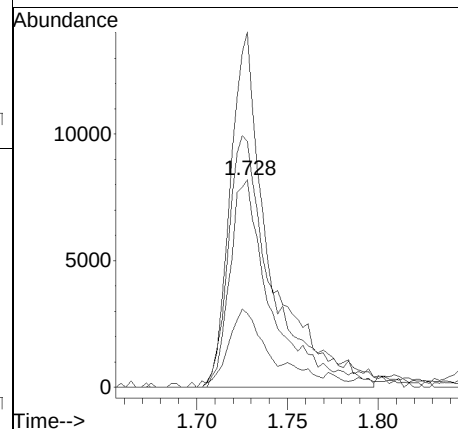
Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.8	80.6

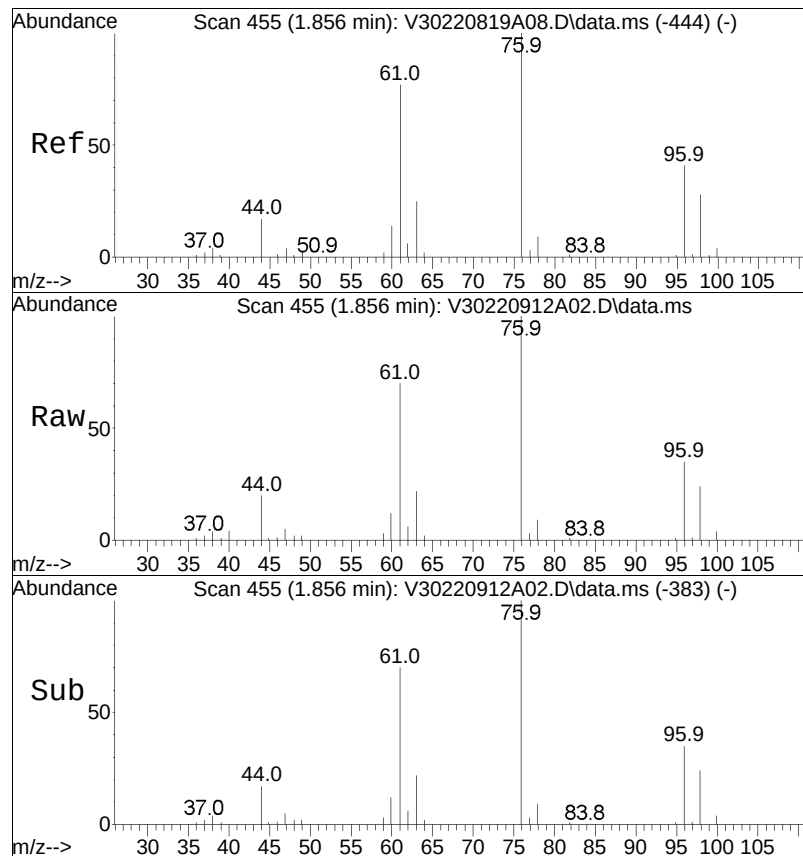




#8
 Ethyl ether
 Concen: 8.68 ug/L
 RT: 1.728 min Scan# 409
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

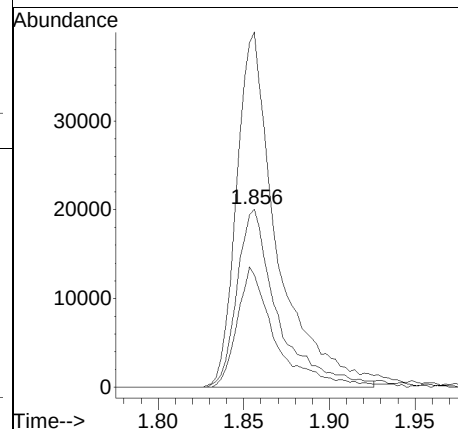
Tgt Ion:	74	Resp:	13307
Ion	Ratio	Lower	Upper
74	100		
59	156.5	122.2	253.8
45	127.9	91.9	190.9
43	32.1	25.2	52.2

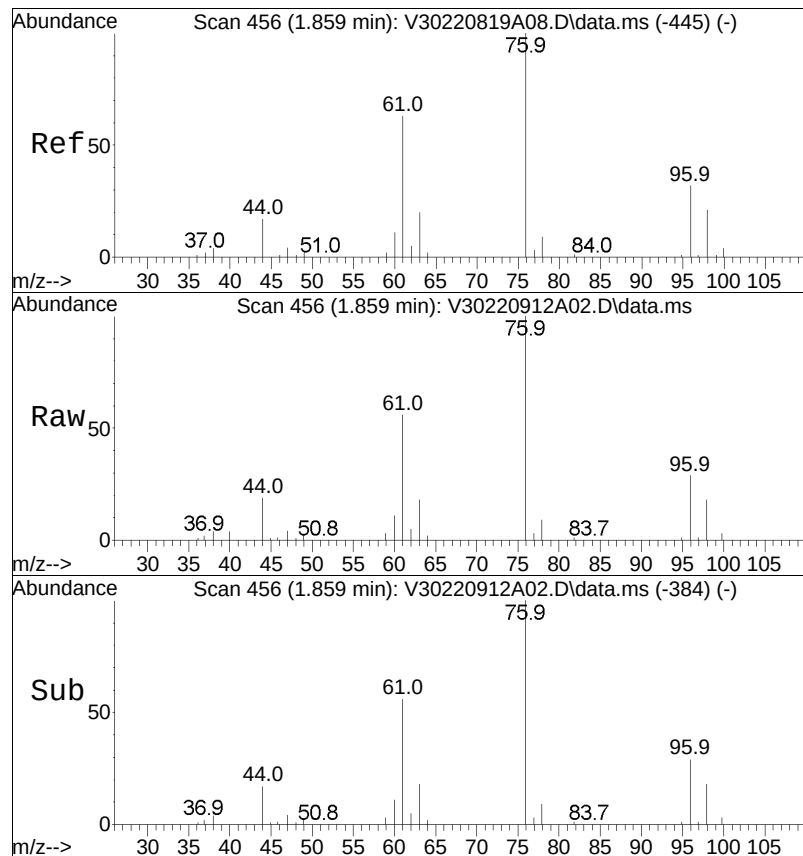




#10
 1,1-Dichloroethene
 Concen: 9.66 ug/L
 RT: 1.856 min Scan# 455
 Delta R.T. 0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

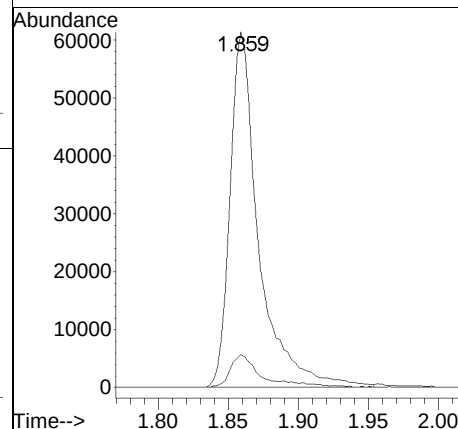
Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.6	186.1	279.1
63	64.6	57.6	86.4

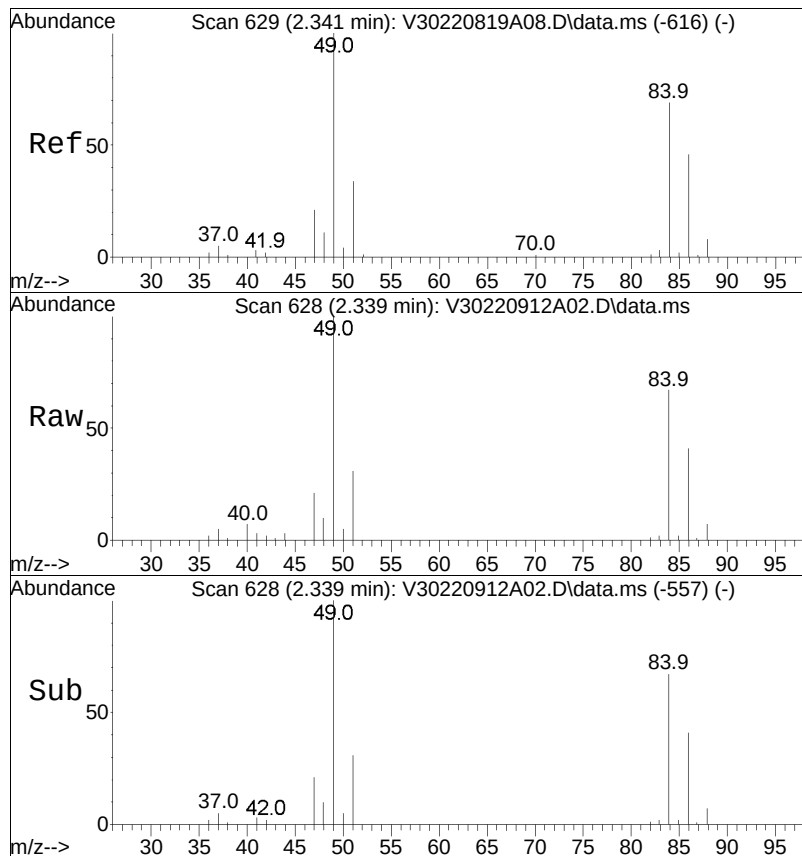




#11
Carbon disulfide
Concen: 10.26 ug/L
RT: 1.859 min Scan# 456
Delta R.T. -0.000 min
Lab File: V30220912A02.D
Acq: 12 Sep 2022 07:14 am

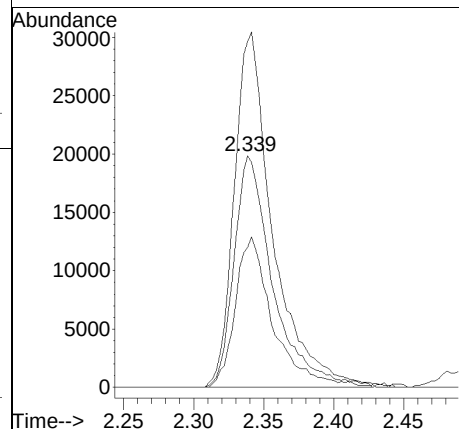
Tgt Ion: 76 Resp: 87962
Ion Ratio Lower Upper
76 100
78 10.3 5.7 11.7

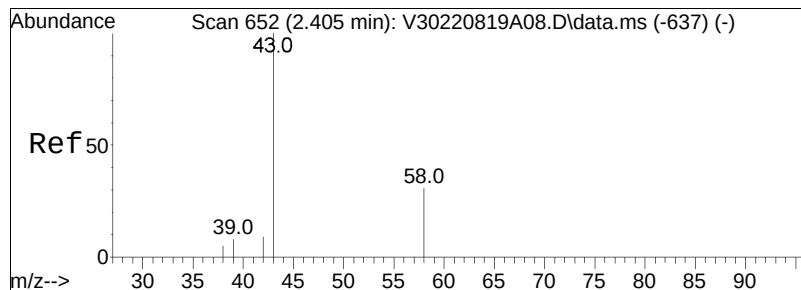




#15
 Methylene chloride
 Concen: 9.90 ug/L
 RT: 2.339 min Scan# 628
 Delta R.T. -0.002 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

Tgt Ion:	84	Resp:	38363
Ion Ratio	Lower	Upper	
84	100		
86	63.4	40.4	83.8
49	152.2	120.0	249.2





#17

Acetone

Concen: 10.57 ug/L

RT: 2.397 min Scan# 649

Delta R.T. -0.008 min

Lab File: V30220912A02.D

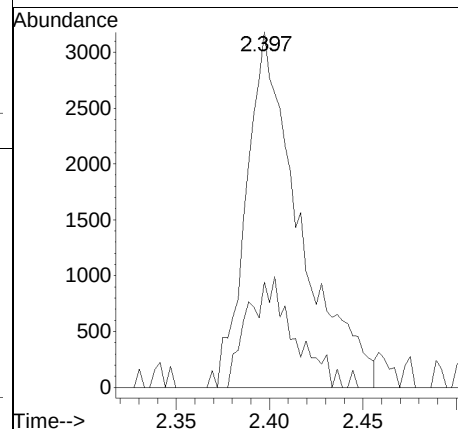
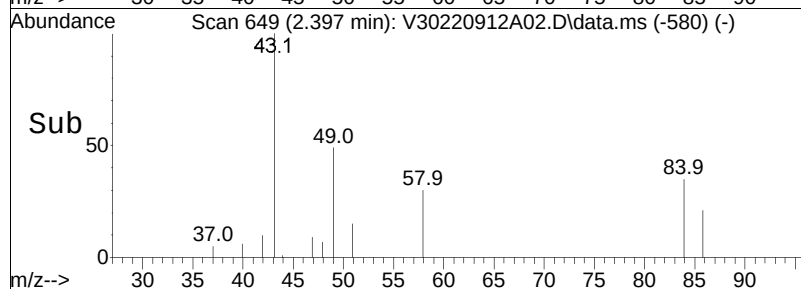
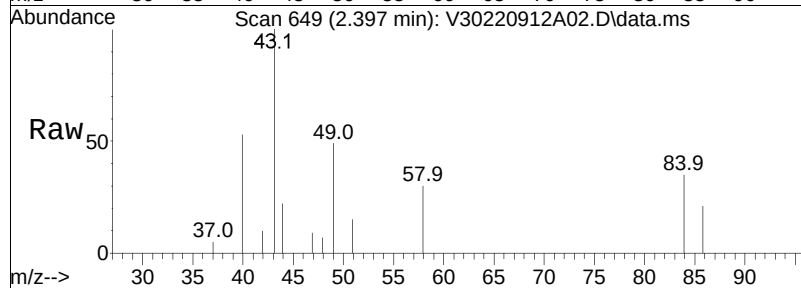
Acq: 12 Sep 2022 07:14 am

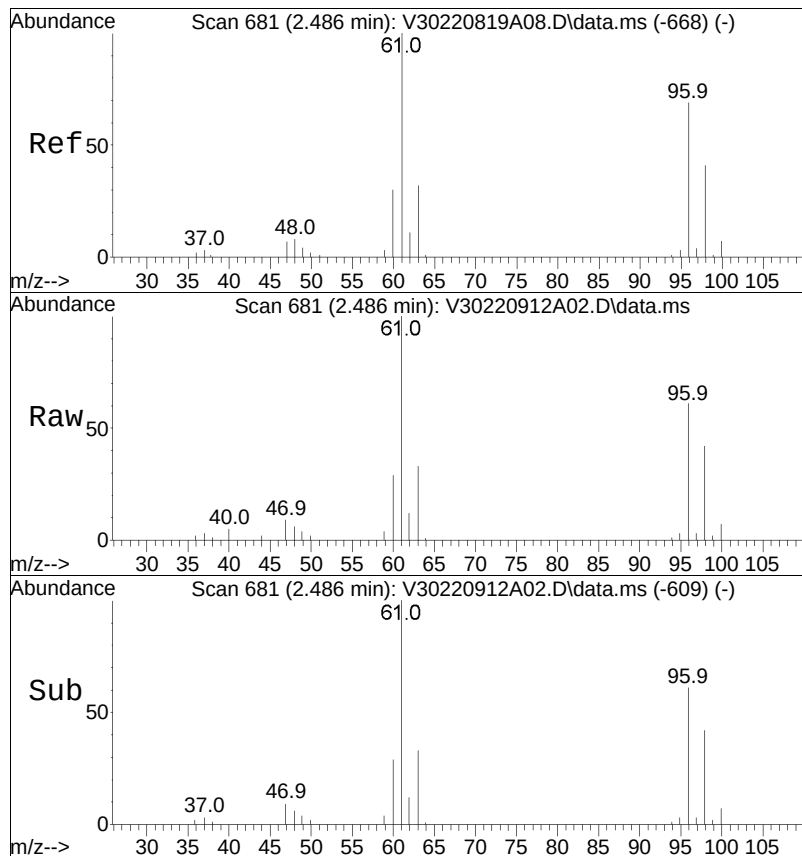
Tgt Ion: 43 Resp: 6330

Ion Ratio Lower Upper

43 100

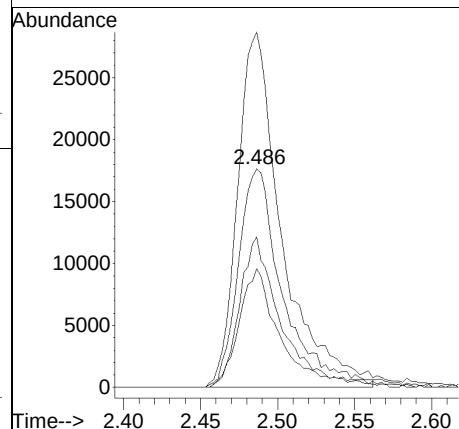
58 26.8 24.2 36.4

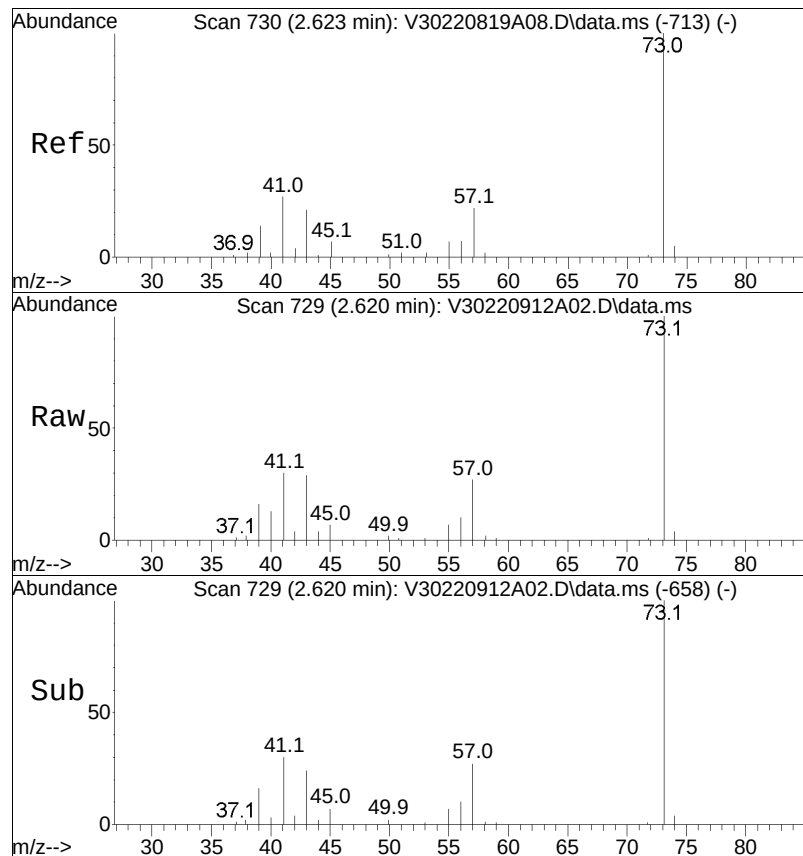




#18
 trans-1,2-Dichloroethene
 Concen: 9.51 ug/L
 RT: 2.486 min Scan# 681
 Delta R.T. 0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

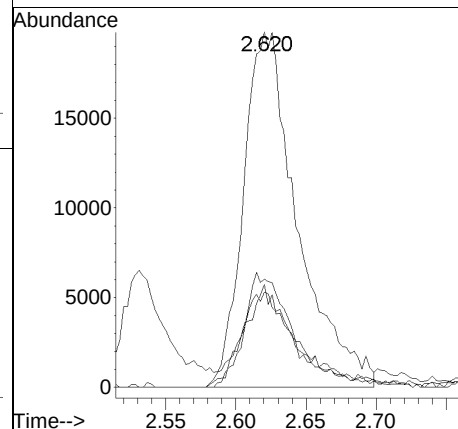
Tgt Ion:	96	Resp:	35553
Ion Ratio	Lower	Upper	
96	100		
61	163.2	124.0	257.6
98	65.2	41.2	85.6
63	49.5	38.4	79.7

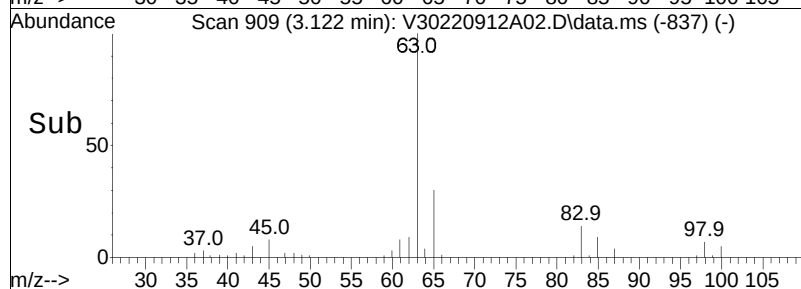
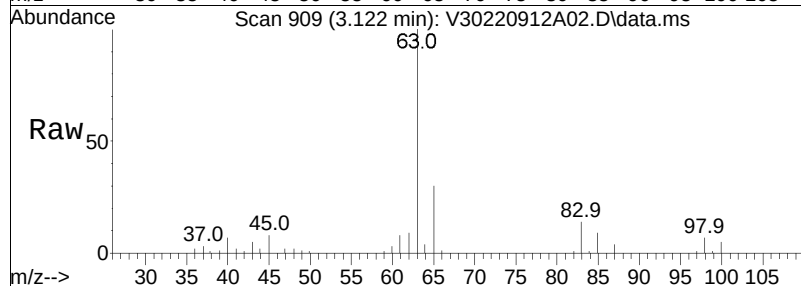
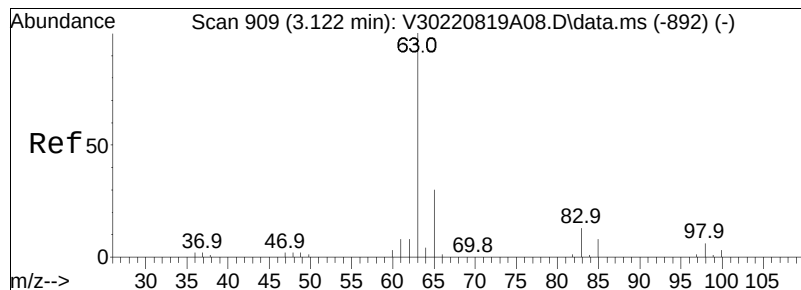




#20
Methyl tert-butyl ether
Concen: 7.33 ug/L
RT: 2.620 min Scan# 729
Delta R.T. -0.003 min
Lab File: V30220912A02.D
Acq: 12 Sep 2022 07:14 am

Tgt Ion:	73	Resp:	53346
Ion	Ratio	Lower	Upper
73	100		
57	26.4	17.5	36.3
43	26.1	15.3	31.9
41	30.4	15.3	31.7





#23

1,1-Dichloroethane

Concen: 10.06 ug/L

RT: 3.122 min Scan# 909

Delta R.T. 0.000 min

Lab File: V30220912A02.D

Acq: 12 Sep 2022 07:14 am

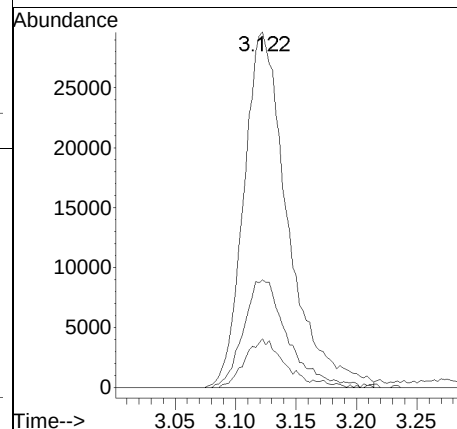
Tgt Ion: 63 Resp: 75133

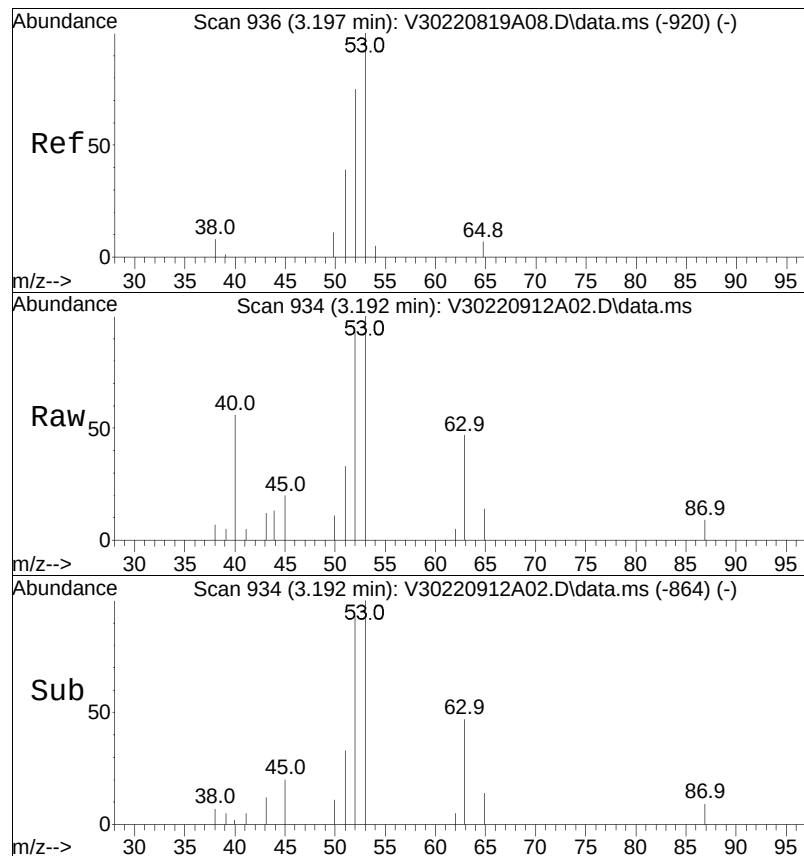
Ion Ratio Lower Upper

63 100

65 30.4 11.0 51.0

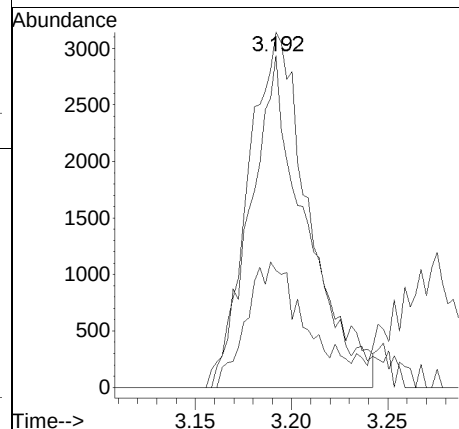
83 11.9 0.0 31.8

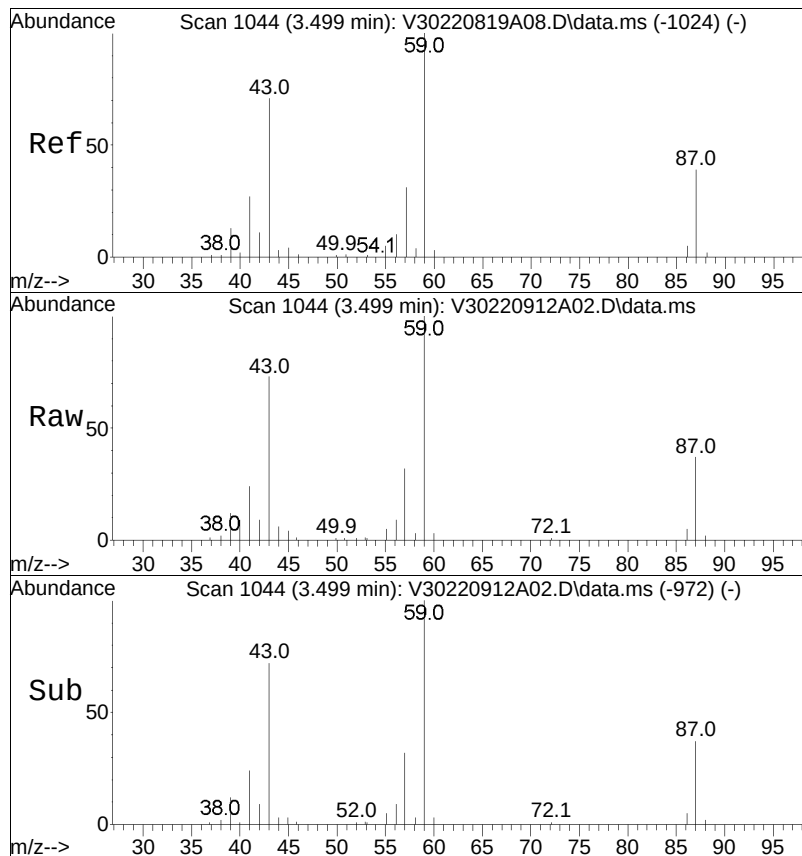




#25
 Acrylonitrile
 Concen: 8.85 ug/L
 RT: 3.192 min Scan# 934
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

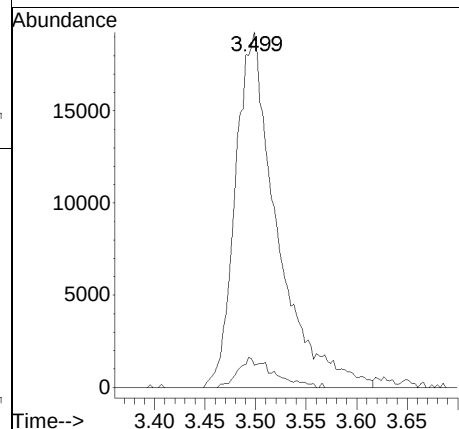
Tgt Ion:	53	Resp:	6980
Ion Ratio	Lower	Upper	
53	100		
52	80.7	66.7	100.1
51	31.6	30.6	46.0

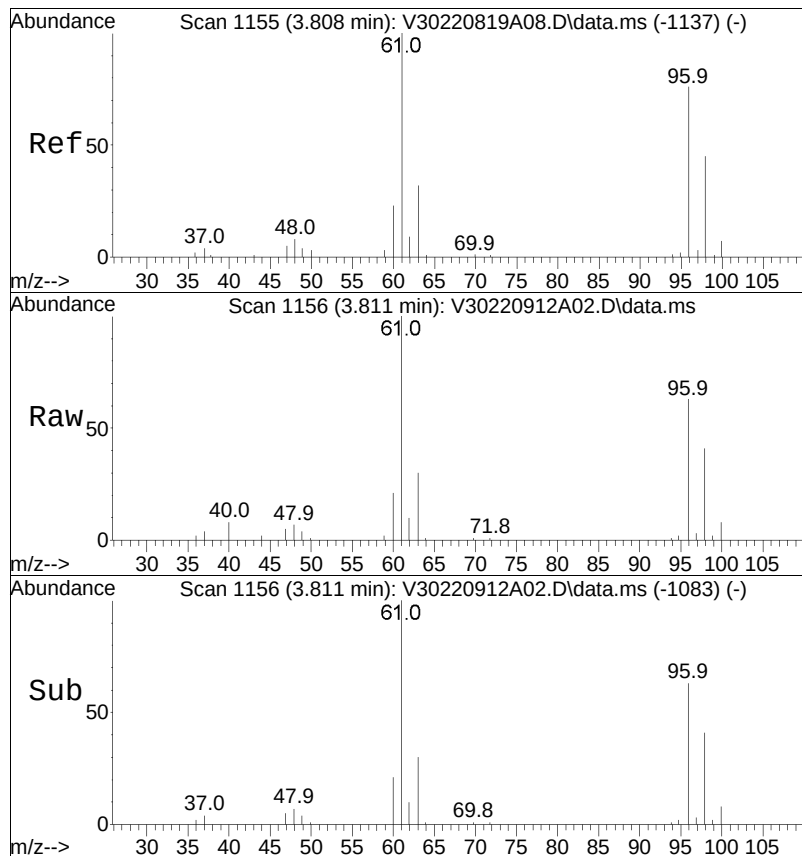




#27
 Vinyl acetate
 Concen: 8.28 ug/L
 RT: 3.499 min Scan# 1044
 Delta R.T. -0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

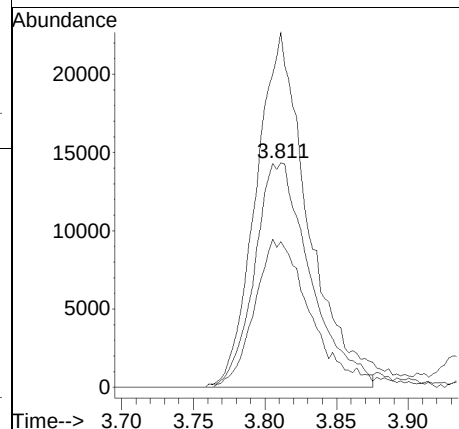
Tgt Ion: 43 Resp: 55262
 Ion Ratio Lower Upper
 43 100
 86 3.6 5.2 7.8#

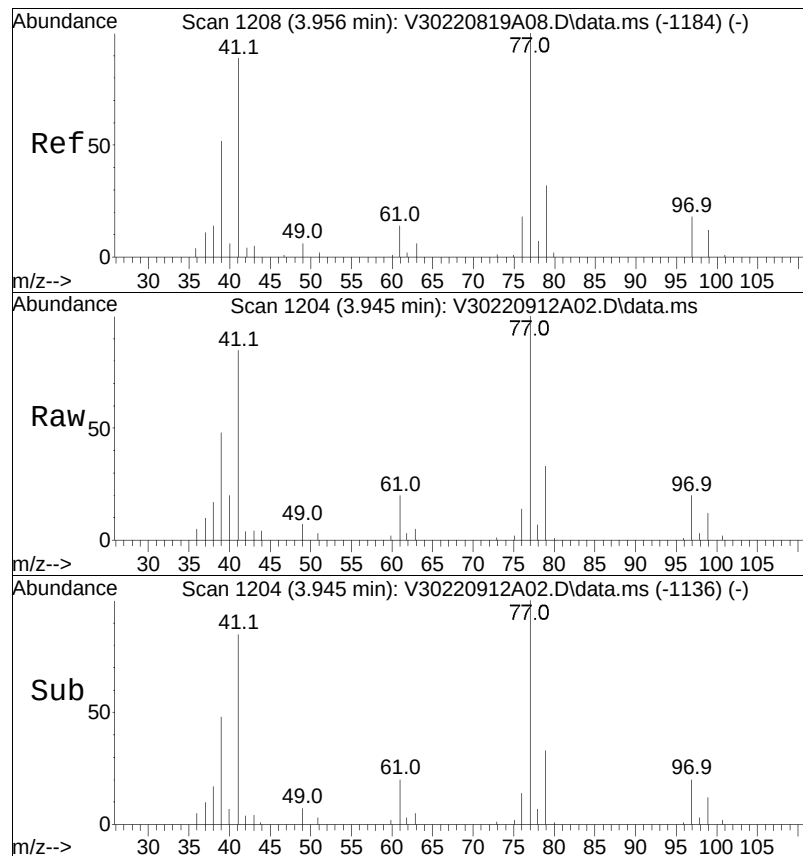




#28
 cis-1,2-Dichloroethene
 Concen: 9.08 ug/L
 RT: 3.811 min Scan# 1156
 Delta R.T. 0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

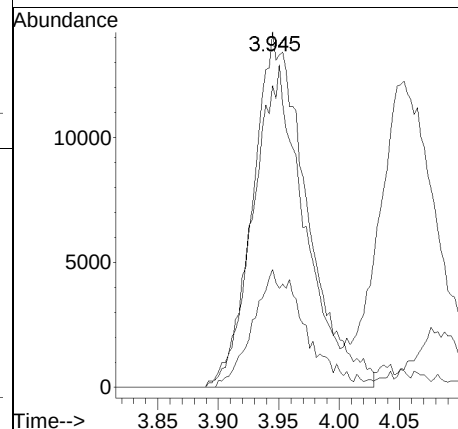
Tgt Ion: 96	Resp: 38986
Ion Ratio	Lower Upper
96 100	
61 152.0	149.4 224.2
98 65.3	53.4 80.2

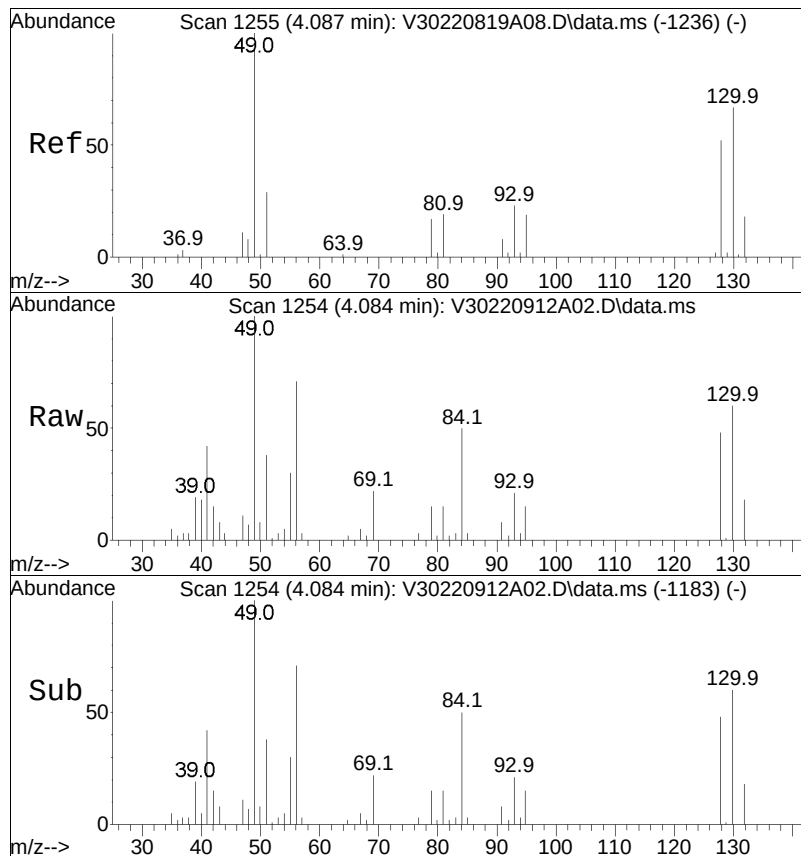




#29
 2,2-Dichloropropane
 Concen: 8.97 ug/L
 RT: 3.945 min Scan# 1204
 Delta R.T. -0.011 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

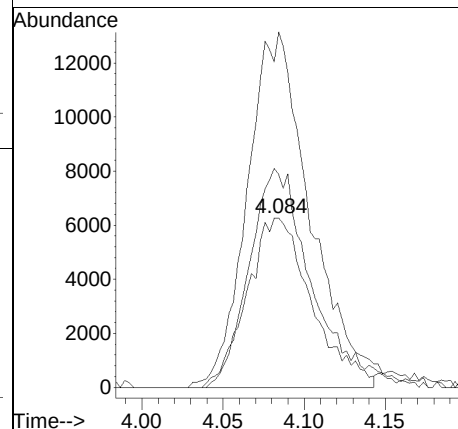
Tgt Ion:	77	Resp:	44171
Ion Ratio	Lower	Upper	
77	100		
41	84.2	38.0	78.8#
79	16.2	20.5	42.5#

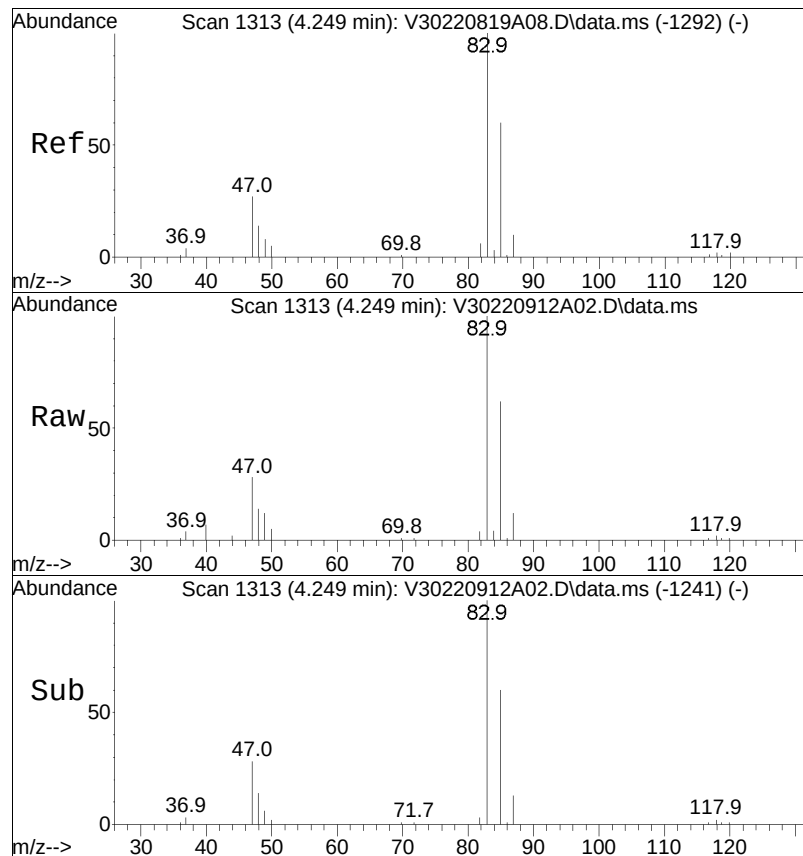




#30
 Bromochloromethane
 Concen: 9.21 ug/L
 RT: 4.084 min Scan# 1254
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

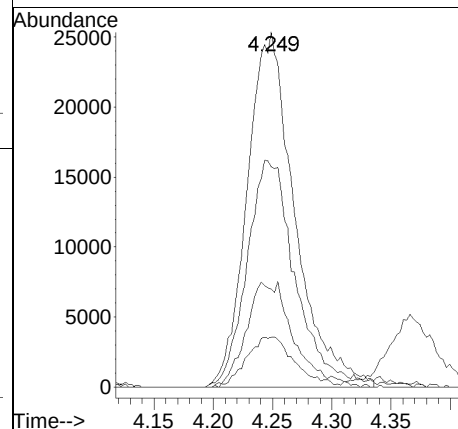
Tgt Ion:	128	Resp:	17208
Ion Ratio	Lower	Upper	
128	100		
49	93.4	223.0	334.4#
130	127.1	111.4	167.0

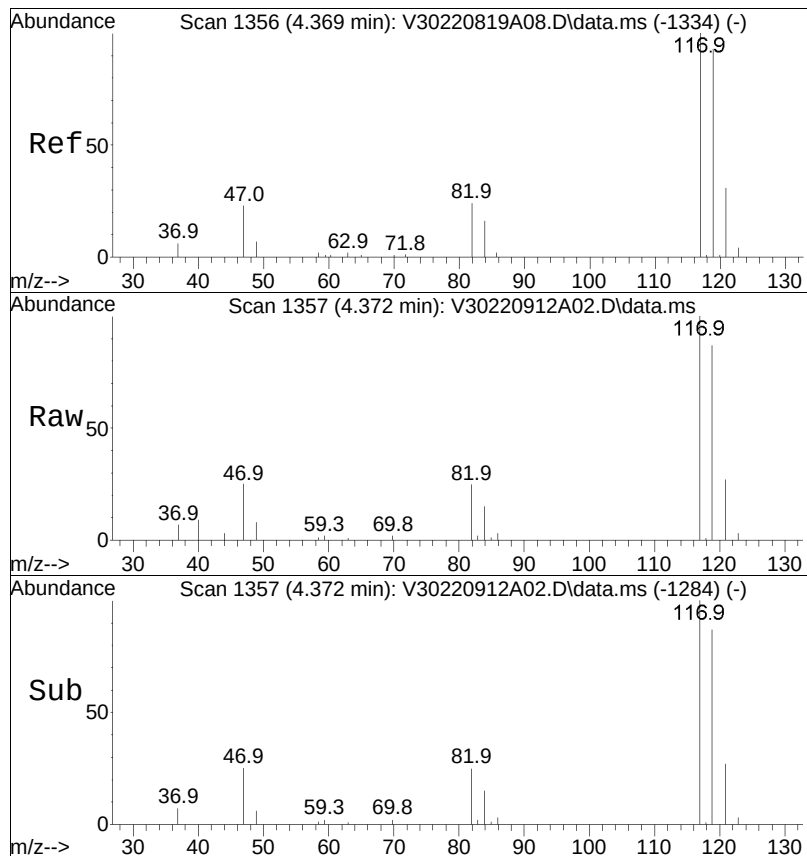




#32
 Chloroform
 Concen: 9.70 ug/L
 RT: 4.249 min Scan# 1313
 Delta R.T. -0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

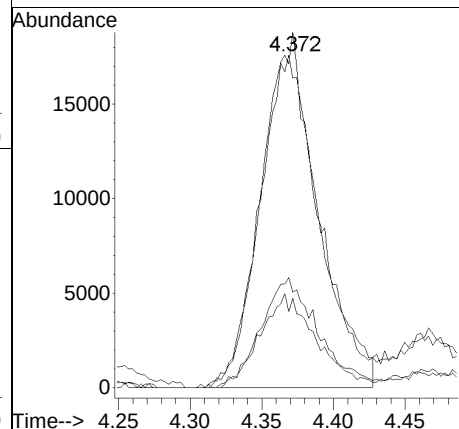
Tgt Ion:	83	Resp:	71078
Ion	Ratio	Lower	Upper
83	100		
85	64.0	41.5	86.1
47	28.4	19.0	39.4
48	14.4	9.9	20.5

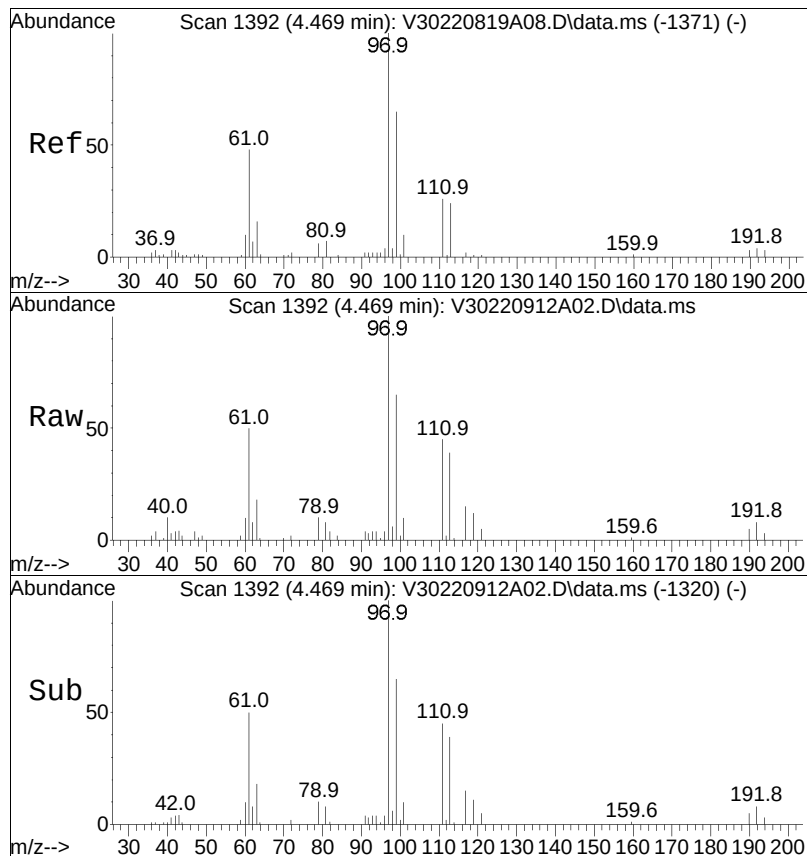




#34
 Carbon tetrachloride
 Concen: 10.00 ug/L
 RT: 4.372 min Scan# 1357
 Delta R.T. 0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

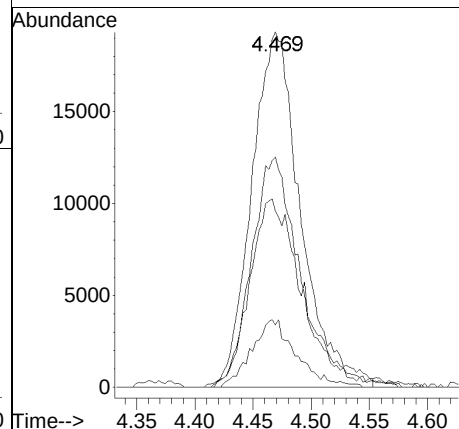
Tgt Ion:	117	Resp:	52011
Ion Ratio	Lower	Upper	
117	100		
119	96.8	62.4	129.6
121	31.0	19.5	40.5
82	25.8	17.0	35.4

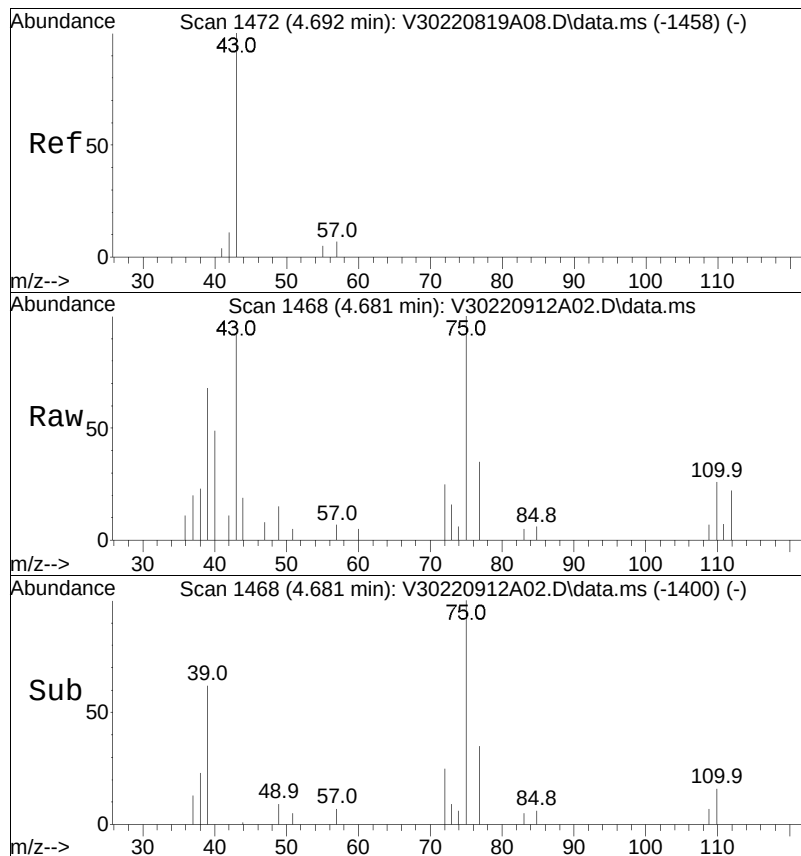




#37
 1,1,1-Trichloroethane
 Concen: 9.34 ug/L
 RT: 4.469 min Scan# 1392
 Delta R.T. 0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

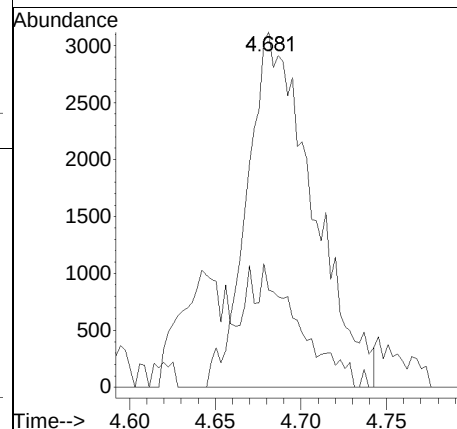
Tgt Ion: 97	Resp: 56832
Ion Ratio	Lower Upper
97 100	
99 63.2	40.7 84.5
61 57.0	35.4 73.4
63 17.5	5.0 10.4#

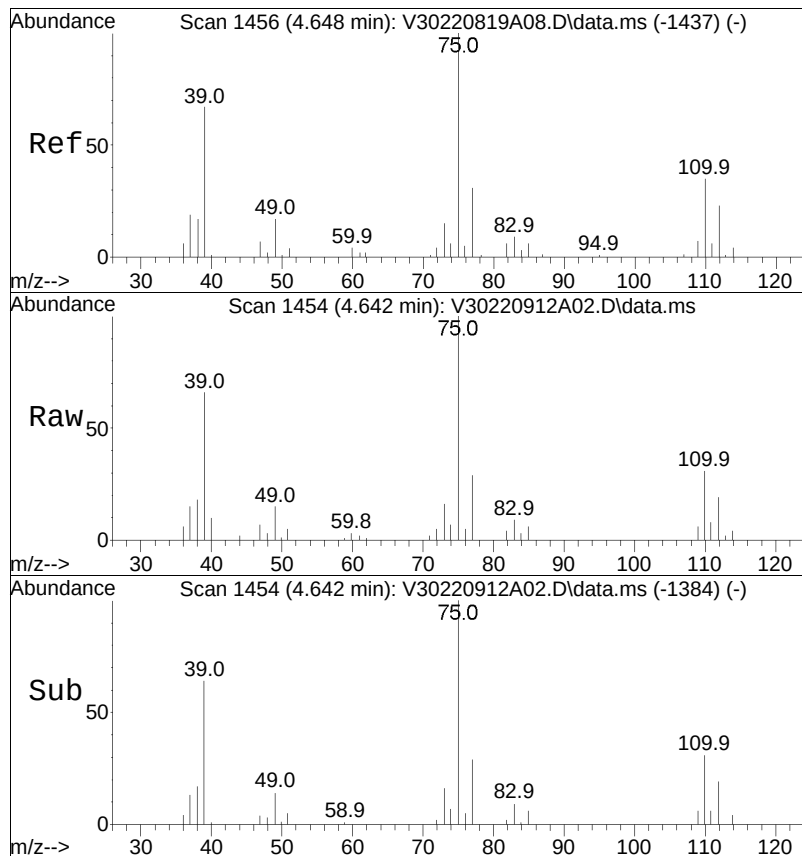




#39
 2-Butanone
 Concen: 9.08 ug/L
 RT: 4.681 min Scan# 1468
 Delta R.T. -0.011 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

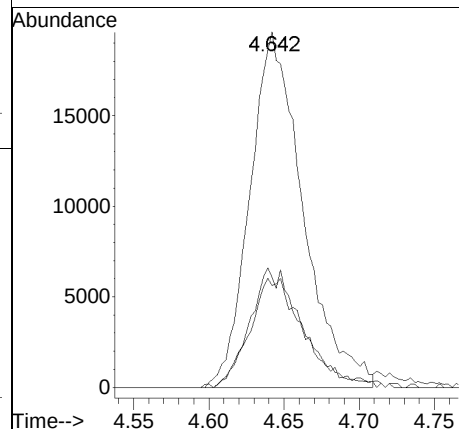
Tgt Ion:	43	72	Ratio	100	19.4	Resp:	8313	Lower	Upper
								10.9	16.3#

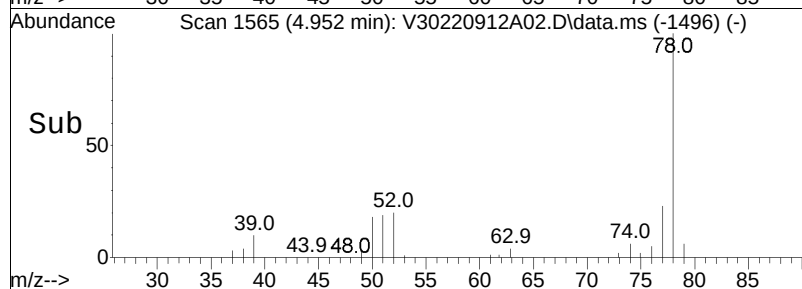
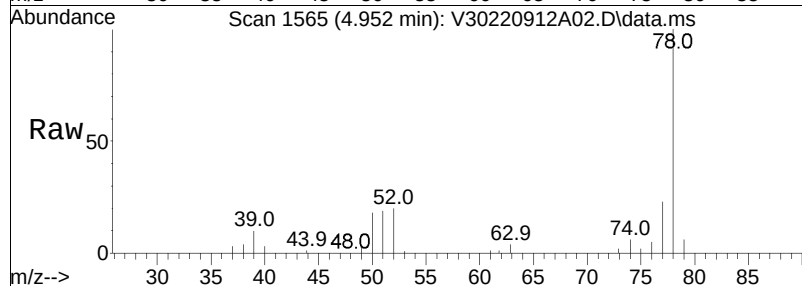
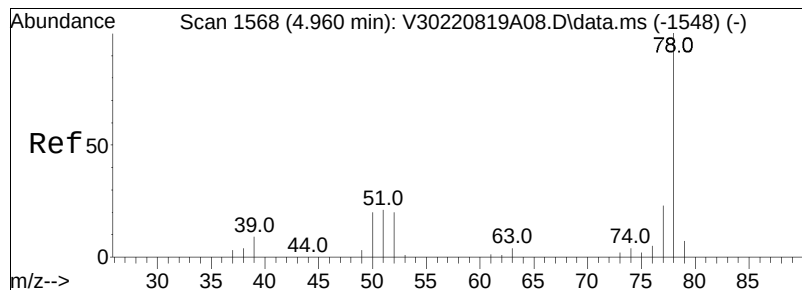




#40
 1,1-Dichloropropene
 Concen: 9.32 ug/L
 RT: 4.642 min Scan# 1454
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48246		
110	16.9		20.2	41.9#
77	31.2		20.1	41.7





#41

Benzene

Concen: 9.65 ug/L

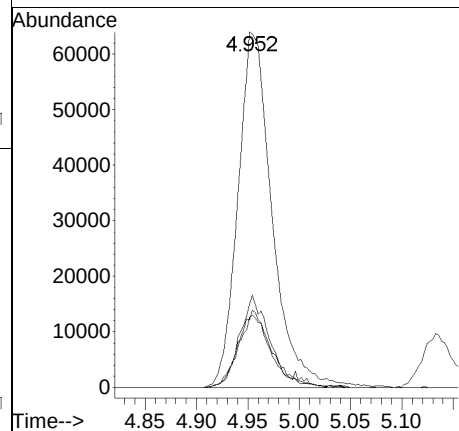
RT: 4.952 min Scan# 1565

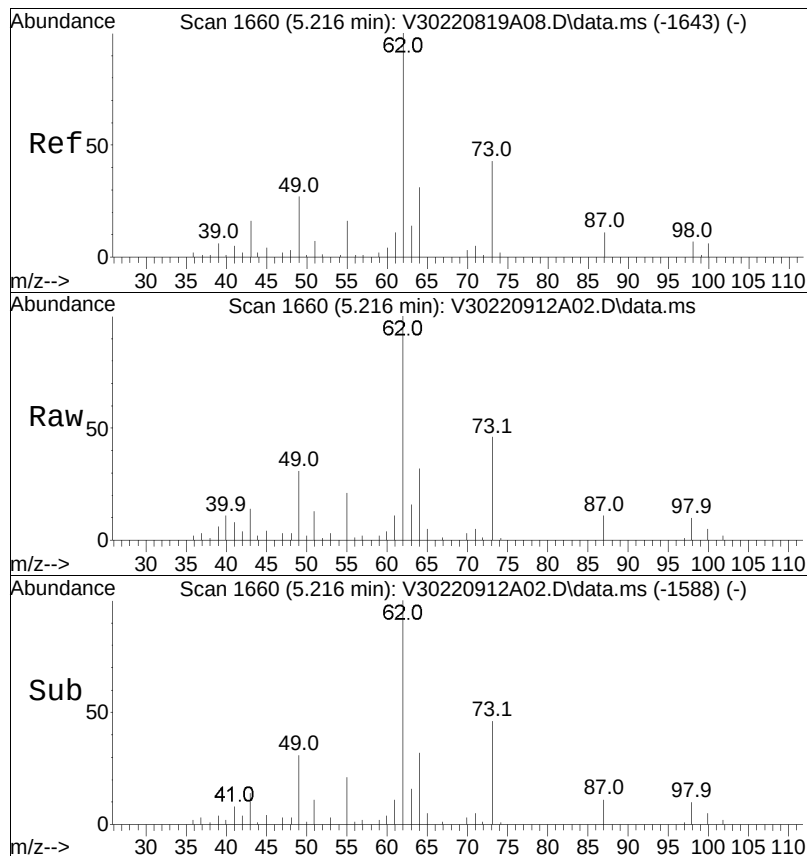
Delta R.T. -0.008 min

Lab File: V30220912A02.D

Acq: 12 Sep 2022 07:14 am

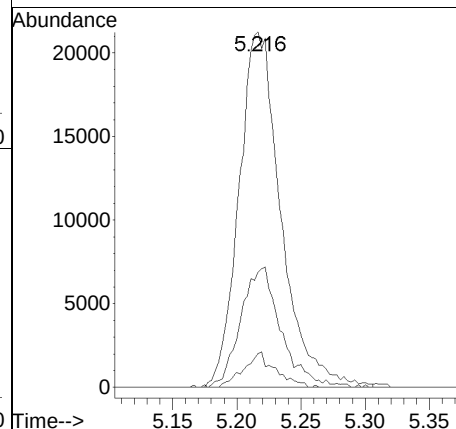
Tgt Ion:	78	Resp:	148433
Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.7	32.7
51	19.8	16.0	33.2
52	19.6	15.3	31.9

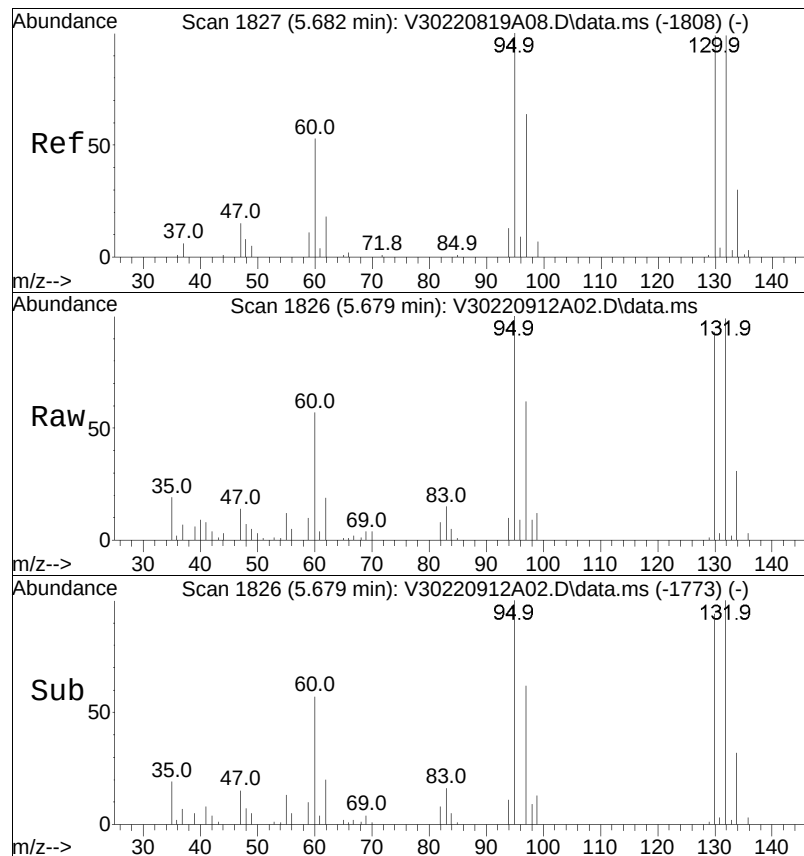




#44
 1,2-Dichloroethane
 Concen: 8.98 ug/L
 RT: 5.216 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

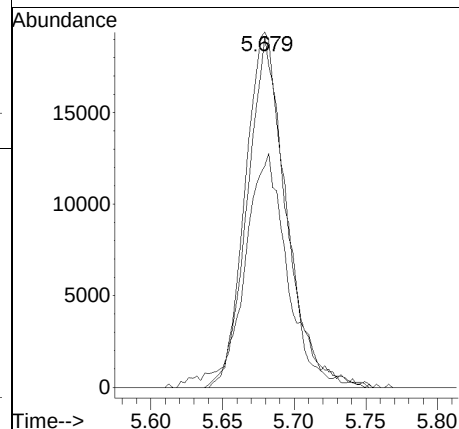
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	11.2	51.2
98	7.5	0.0	26.1

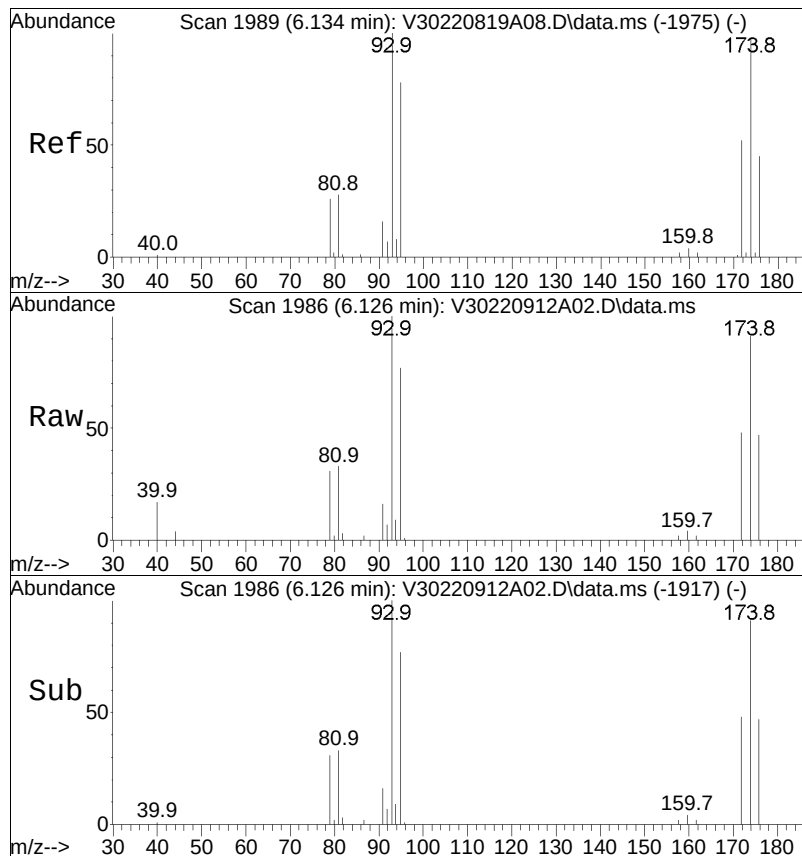




#48
 Trichloroethene
 Concen: 9.76 ug/L
 RT: 5.679 min Scan# 1826
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

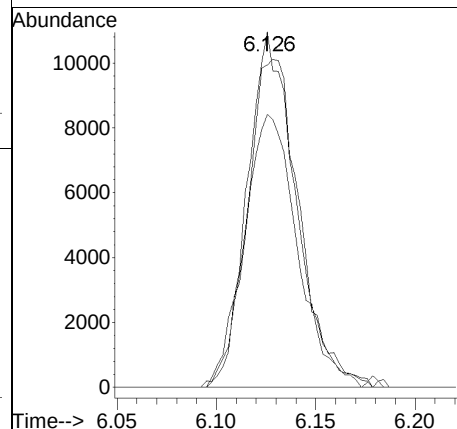
Tgt Ion:	95	Resp:	39068
Ion Ratio	Lower	Upper	
95	100		
97	68.4	55.5	83.3
132	92.4	76.6	115.0

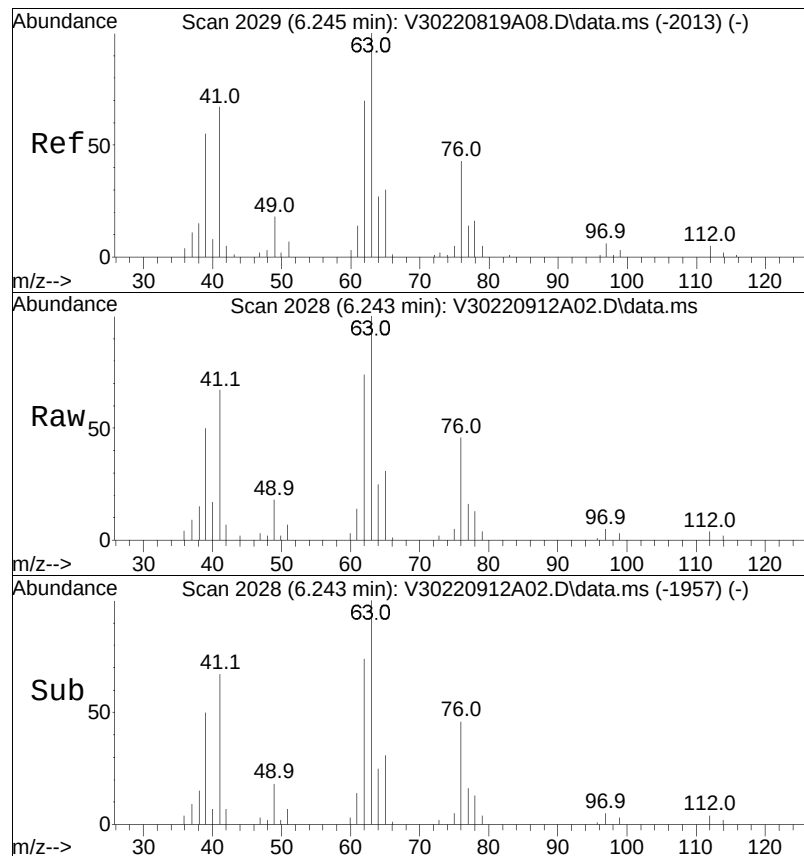




#50
 Dibromomethane
 Concen: 8.88 ug/L
 RT: 6.126 min Scan# 1986
 Delta R.T. -0.008 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

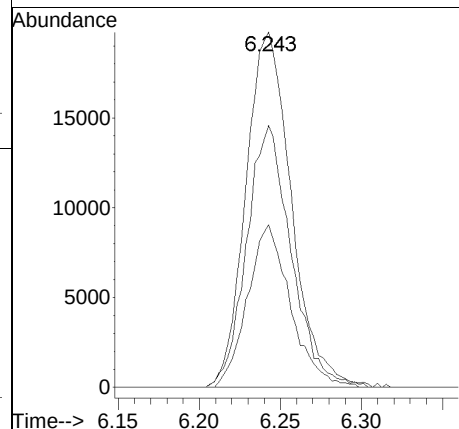
Tgt Ion:	93	Resp:	18932
Ion Ratio	Lower	Upper	
93	100		
95	81.2	67.0	100.4
174	98.5	75.0	112.4

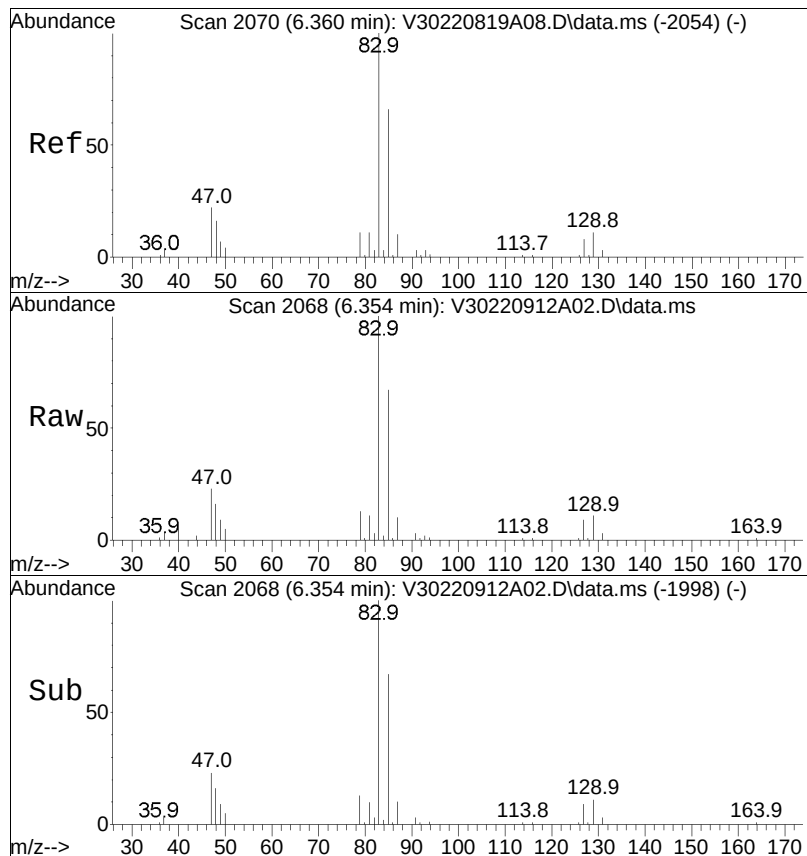




#51
 1,2-Dichloropropane
 Concen: 9.52 ug/L
 RT: 6.243 min Scan# 2028
 Delta R.T. -0.002 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

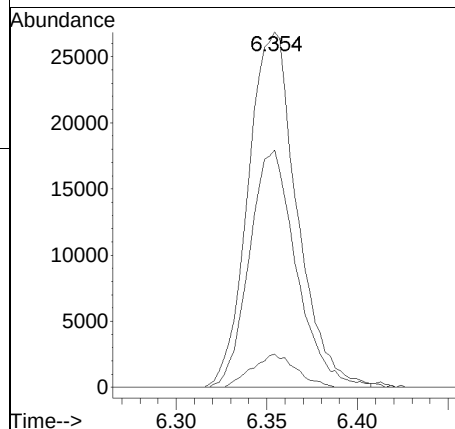
Tgt Ion:	63	Resp:	38653
Ion Ratio	Lower	Upper	
63	100		
62	72.2	58.6	87.8
76	43.3	38.0	57.0

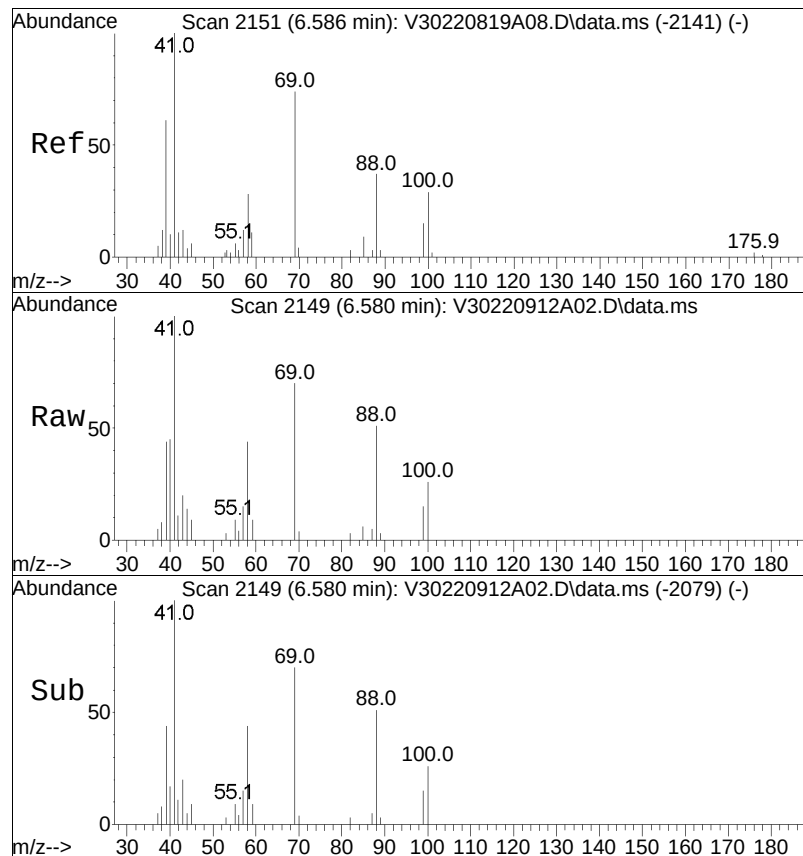




#54
 Bromodichloromethane
 Concen: 9.20 ug/L
 RT: 6.354 min Scan# 2068
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

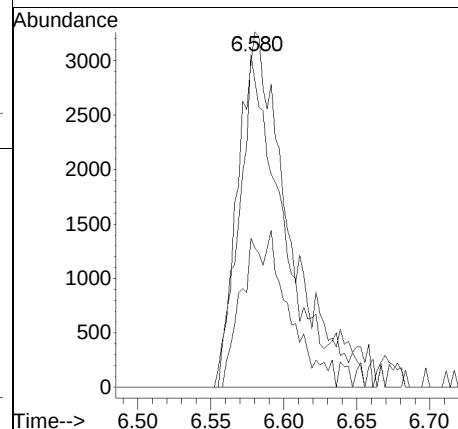
Tgt Ion:	83	Resp:	50534
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.3	78.5
127	8.5	6.2	9.4

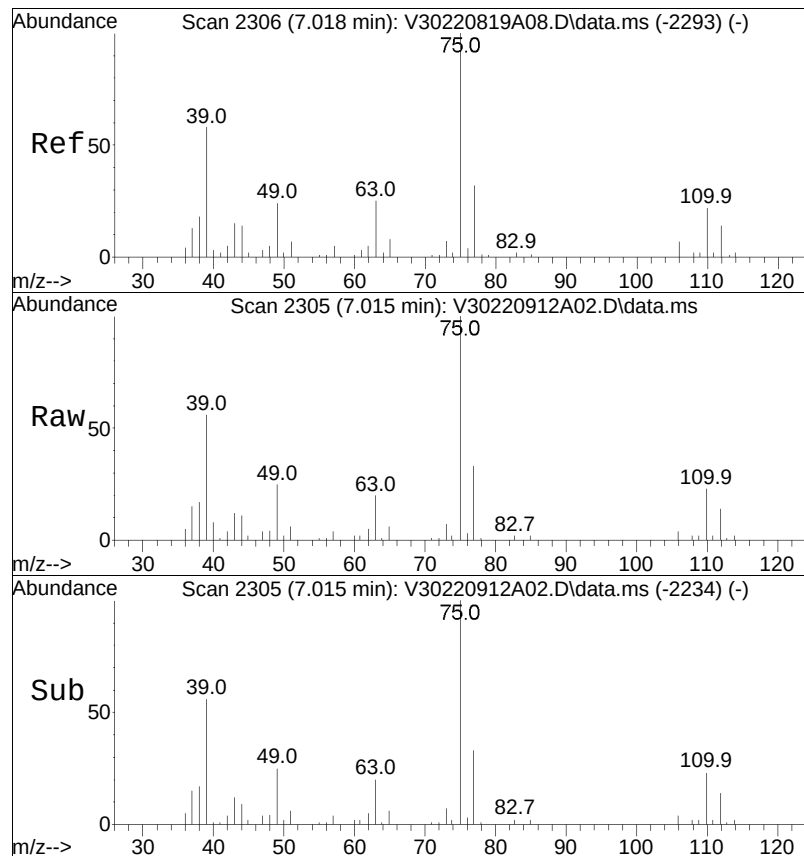




#57
 1,4-Dioxane
 Concen: 598.81 ug/L M1
 RT: 6.580 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

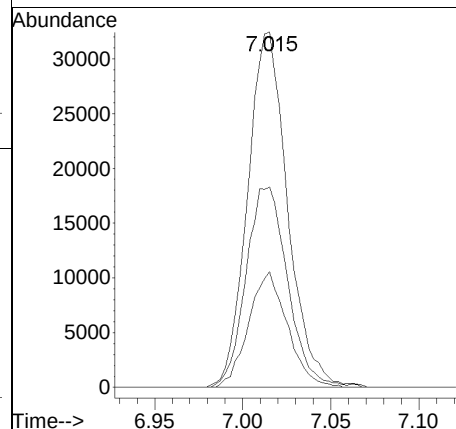
Tgt Ion	Ratio	Lower	Upper
88	100		
58	76.3	76.7	115.1#
43	18.4	36.2	54.2#

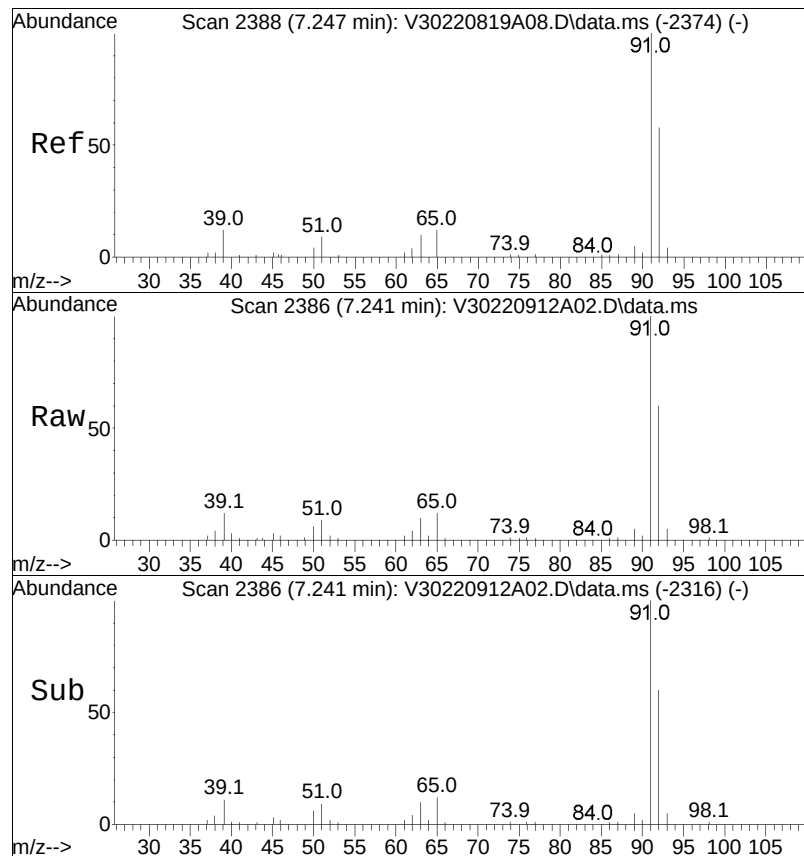




#58
 cis-1,3-Dichloropropene
 Concen: 9.42 ug/L
 RT: 7.015 min Scan# 2305
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

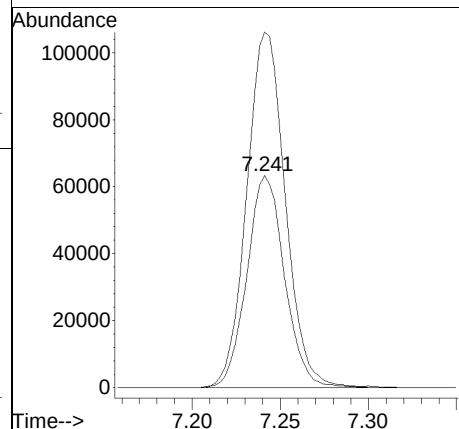
Tgt Ion:	75	Resp:	51435
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.0	37.4
39	58.7	50.1	75.1

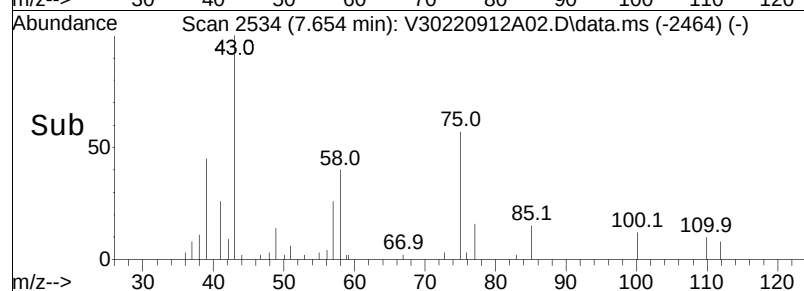
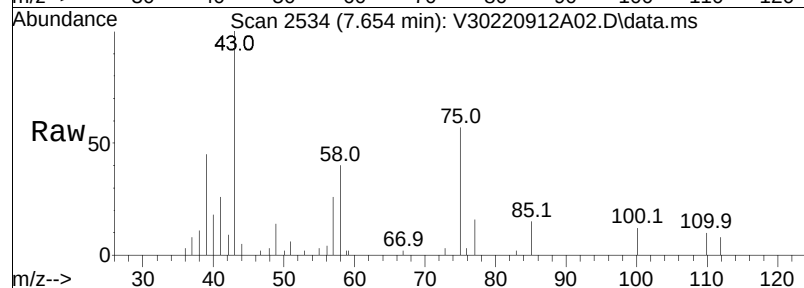
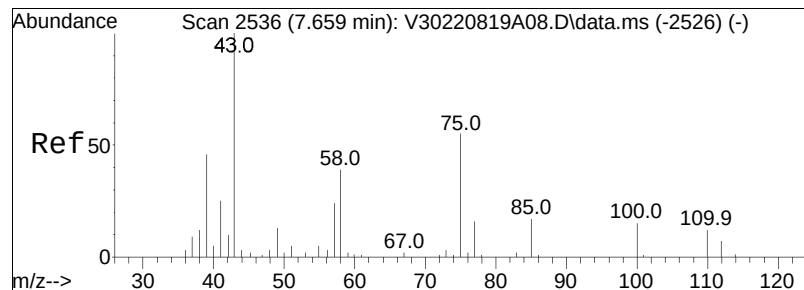




#61
 Toluene
 Concen: 9.66 ug/L
 RT: 7.241 min Scan# 2386
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.8	209.6





#62

4-Methyl-2-pentanone

Concen: 8.14 ug/L

RT: 7.654 min Scan# 2534

Delta R.T. -0.005 min

Lab File: V30220912A02.D

Acq: 12 Sep 2022 07:14 am

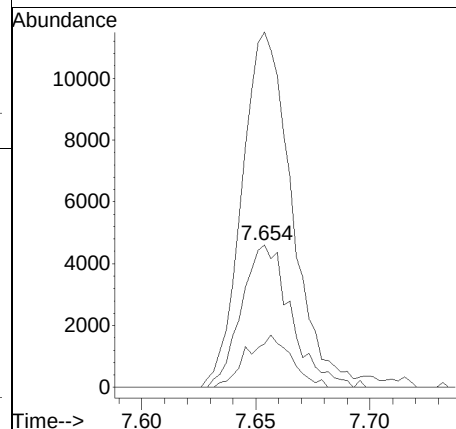
Tgt Ion: 58 Resp: 6993

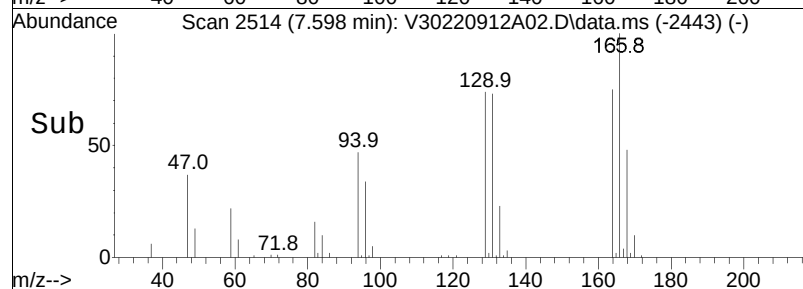
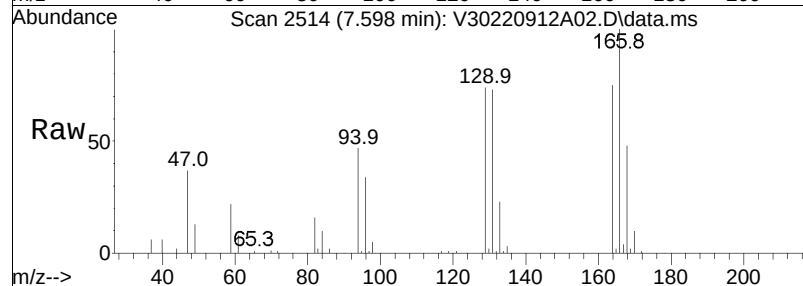
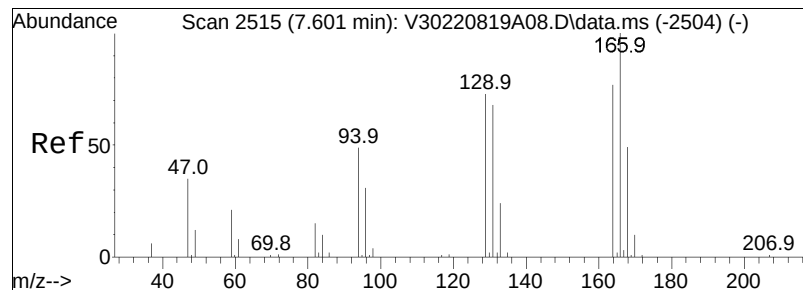
Ion Ratio Lower Upper

58 100

100 33.1 20.2 30.2#

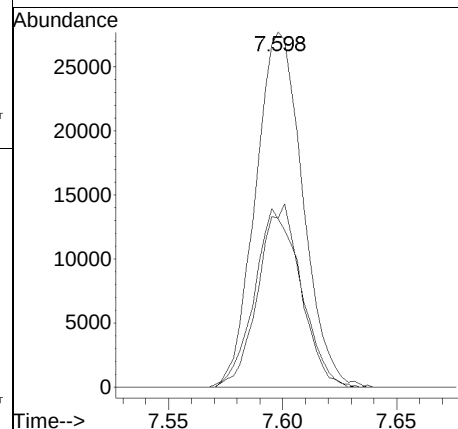
43 250.4 196.6 295.0

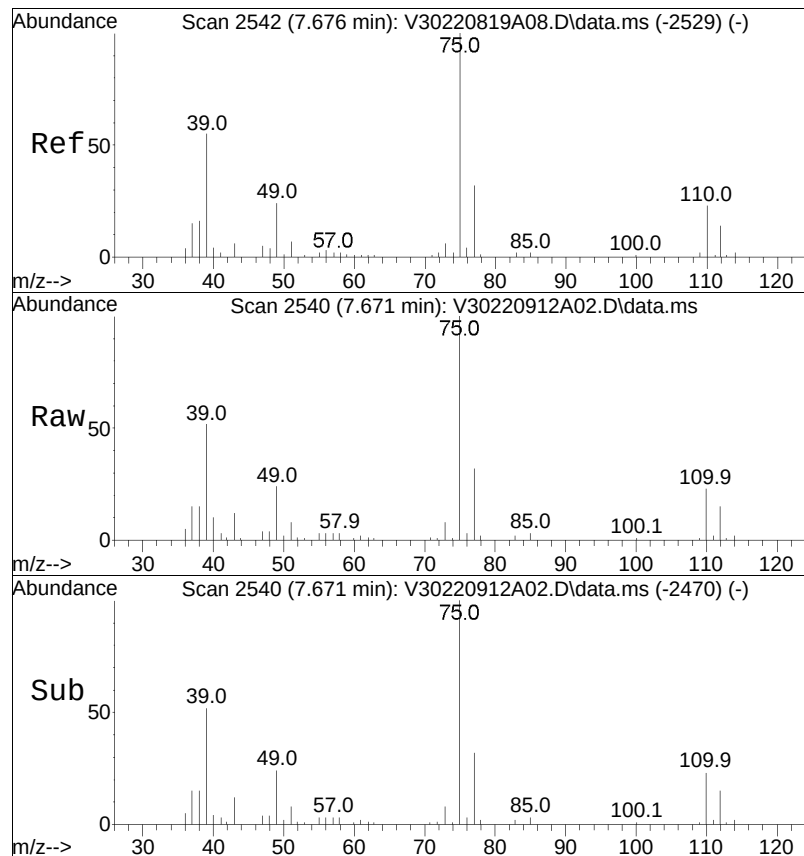




#63
 Tetrachloroethene
 Concen: 9.69 ug/L
 RT: 7.598 min Scan# 2514
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

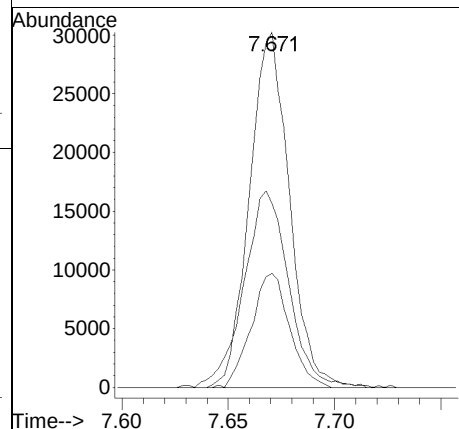
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	39914		
168	47.7		28.2	68.2
94	48.8		38.4	78.4

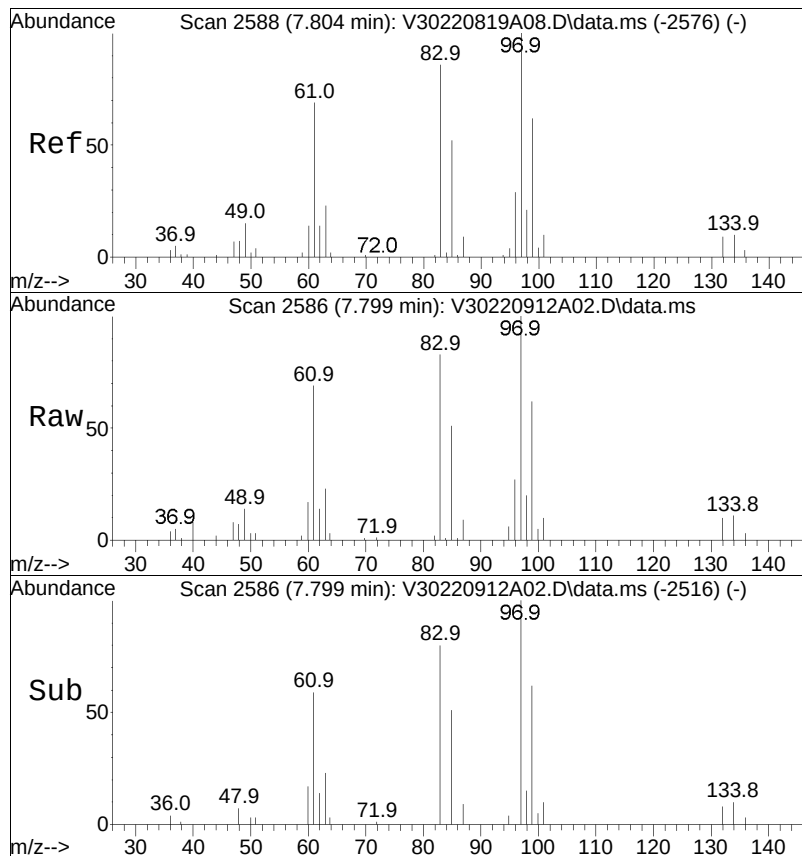




#65
 trans-1,3-Dichloropropene
 Concen: 9.37 ug/L
 RT: 7.671 min Scan# 2540
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

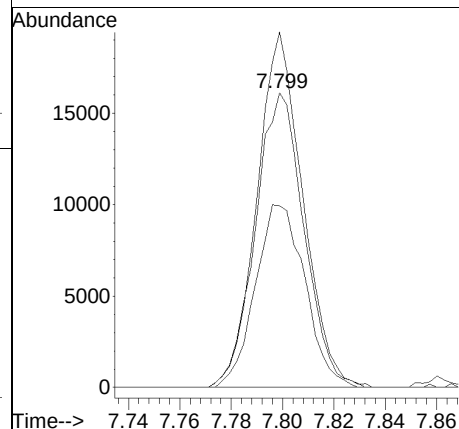
Tgt Ion:	75	Resp:	39314
Ion Ratio	Lower	Upper	
75	100		
77	31.0	12.4	52.4
39	62.5	42.8	82.8

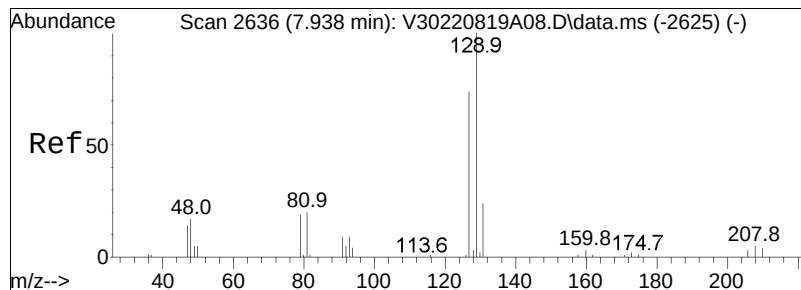




#68
 1,1,2-Trichloroethane
 Concen: 8.98 ug/L
 RT: 7.799 min Scan# 2586
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

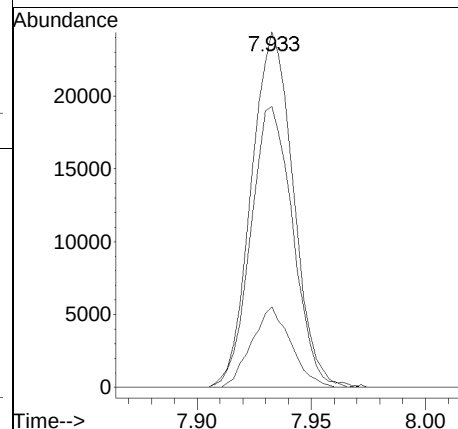
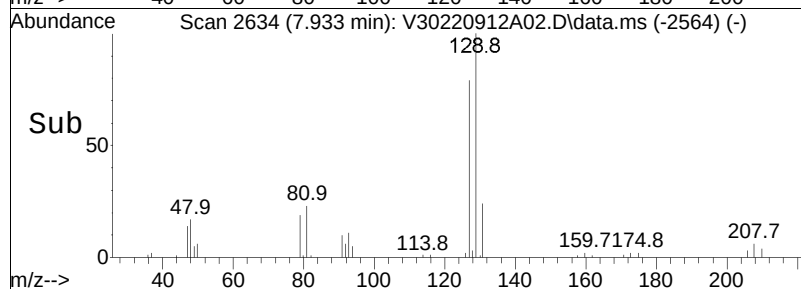
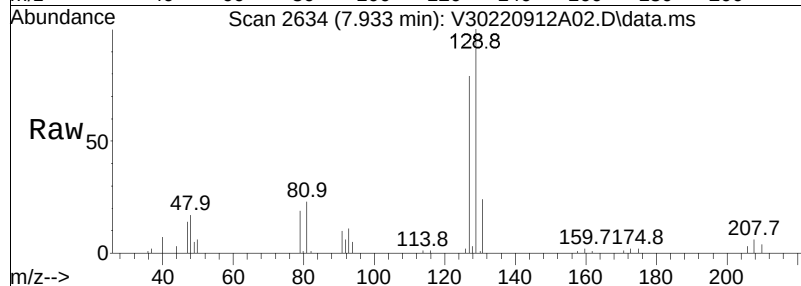
Tgt Ion:	83	Resp:	21221
Ion Ratio	Lower	Upper	
83	100		
97	113.4	89.8	129.8
85	63.3	44.4	84.4

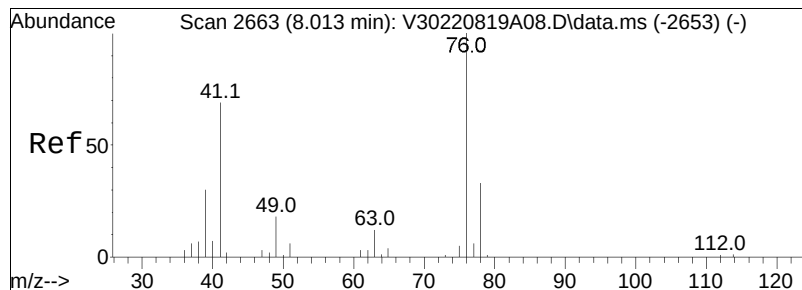




#69
 Chlorodibromomethane
 Concen: 8.96 ug/L
 RT: 7.933 min Scan# 2634
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

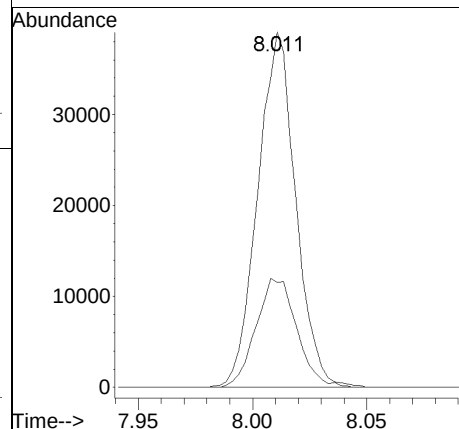
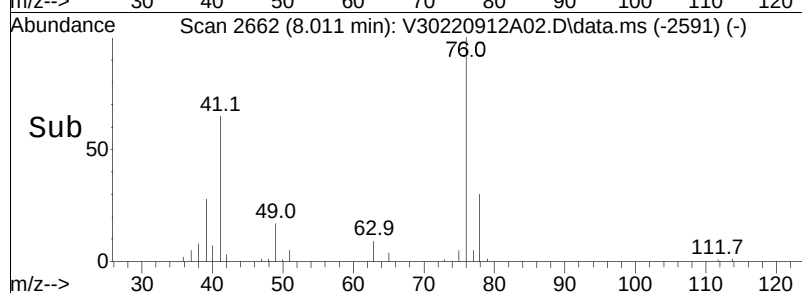
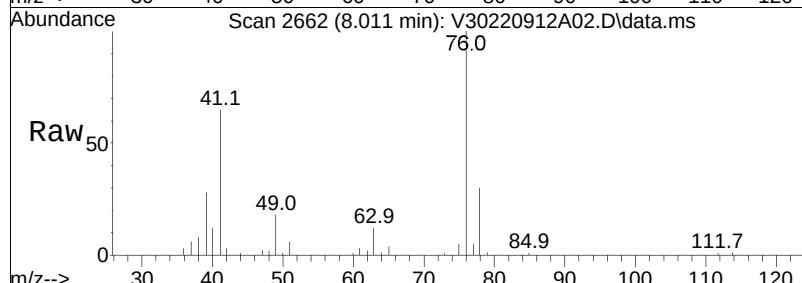
Tgt Ion	Ratio	Lower	Upper
129	100		
81	21.2	2.9	42.9
127	79.2	57.8	97.8

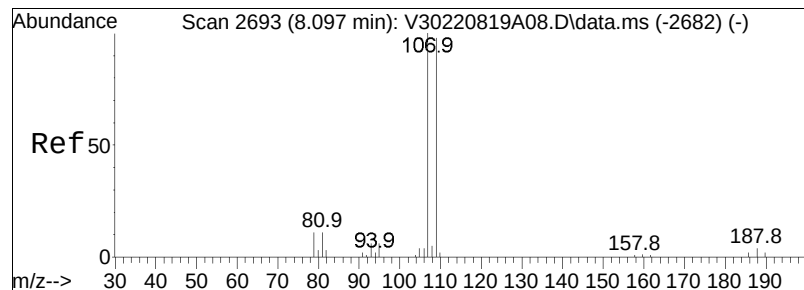




#70
 1,3-Dichloropropane
 Concen: 9.07 ug/L
 RT: 8.011 min Scan# 2662
 Delta R.T. -0.002 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

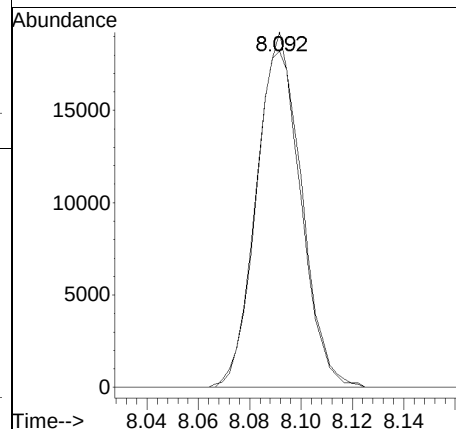
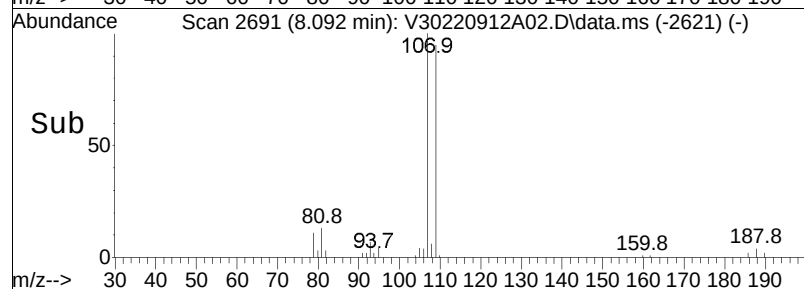
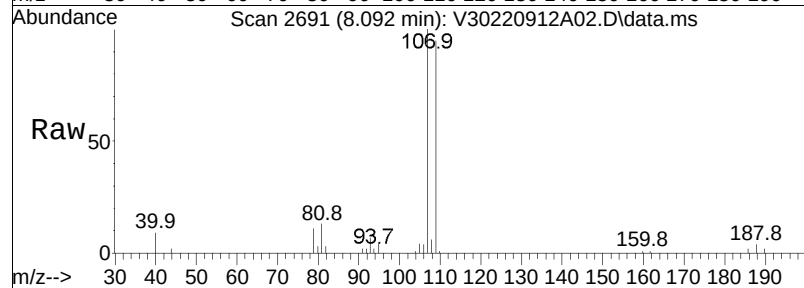
Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3

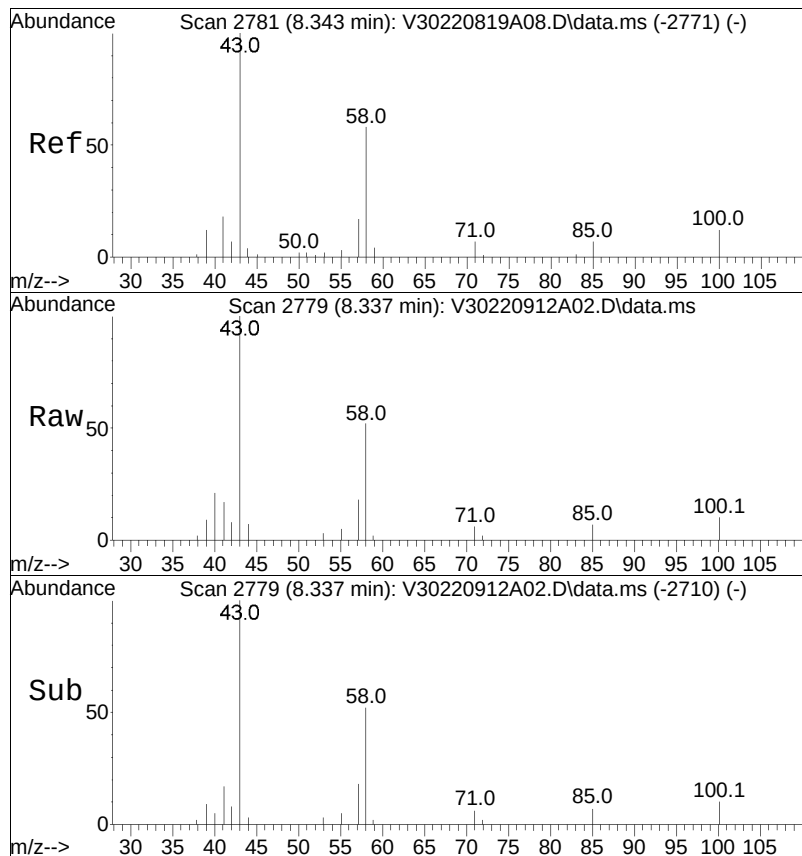




#71
 1,2-Dibromoethane
 Concen: 8.72 ug/L
 RT: 8.092 min Scan# 2691
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

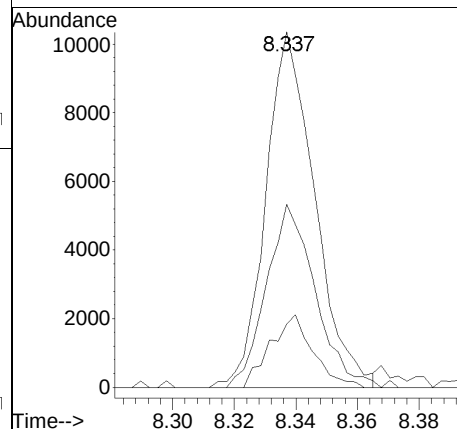
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.1	74.3	111.5

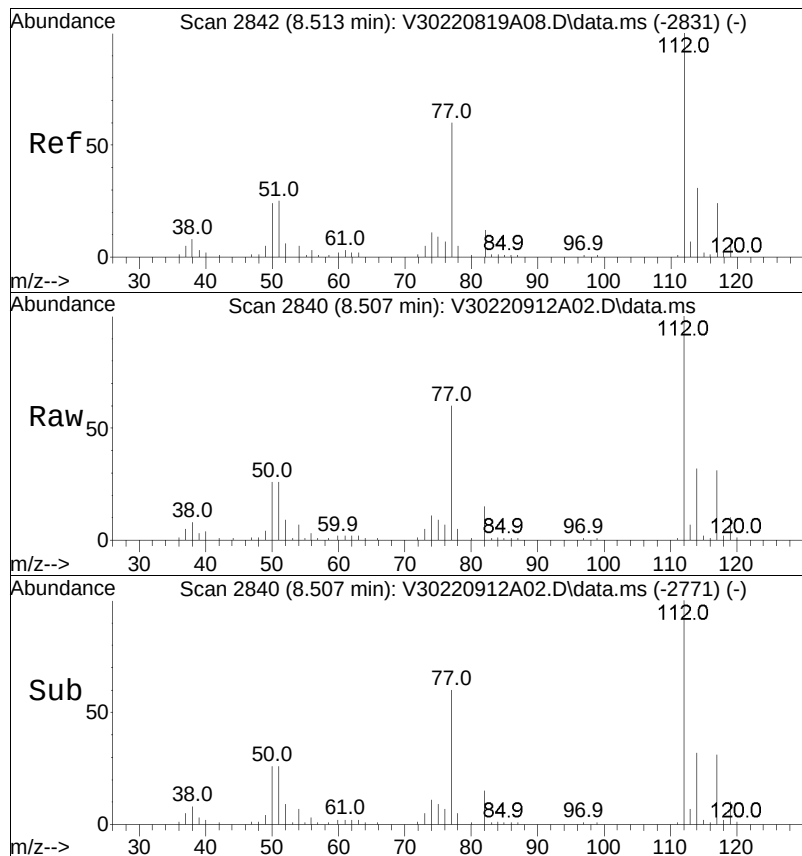




#72
 2-Hexanone
 Concen: 7.57 ug/L
 RT: 8.337 min Scan# 2779
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

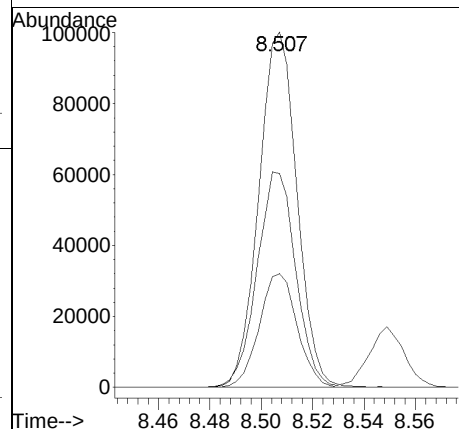
Tgt Ion:	43	Resp:	11405
Ion Ratio	Lower	Upper	
43	100		
58	51.7	41.2	61.8
57	17.8	17.2	25.8

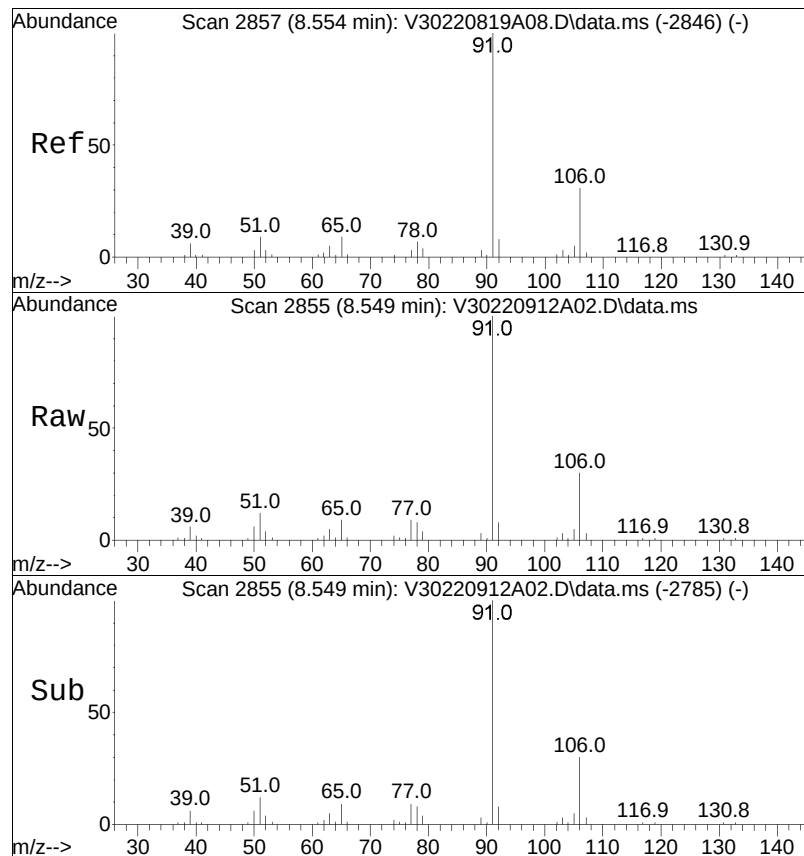




#73
 Chlorobenzene
 Concen: 9.63 ug/L
 RT: 8.507 min Scan# 2840
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

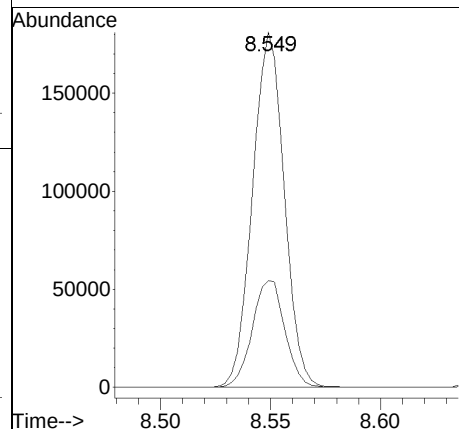
Tgt	Ion:112	Resp:	103328
Ion	Ratio	Lower	Upper
112	100		
77	61.6	55.4	83.0
114	31.8	25.4	38.2

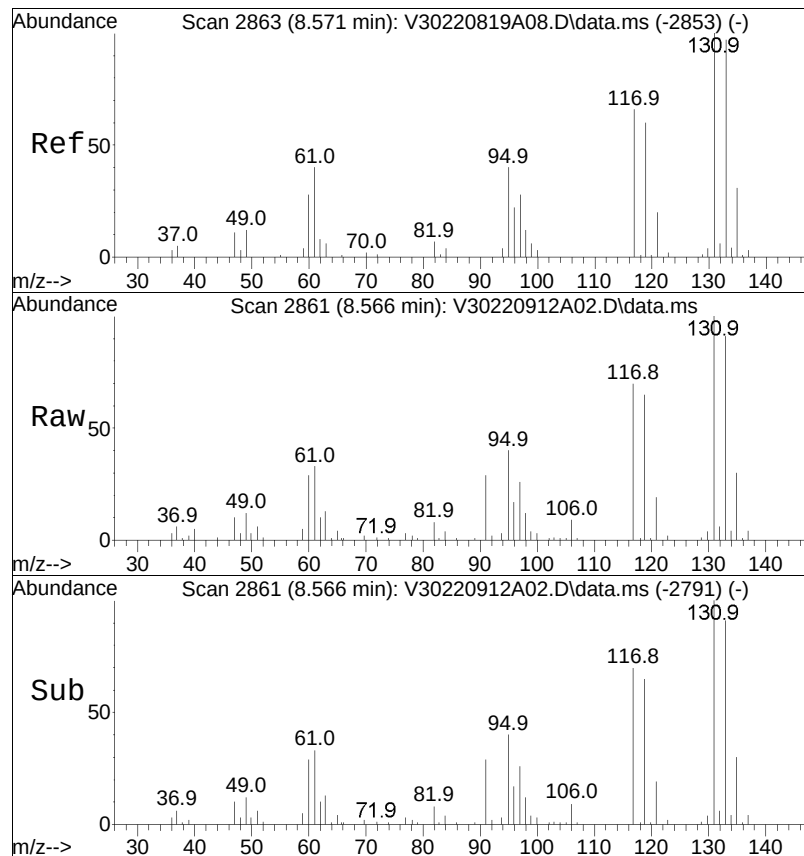




#74
 Ethylbenzene
 Concen: 9.59 ug/L
 RT: 8.549 min Scan# 2855
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

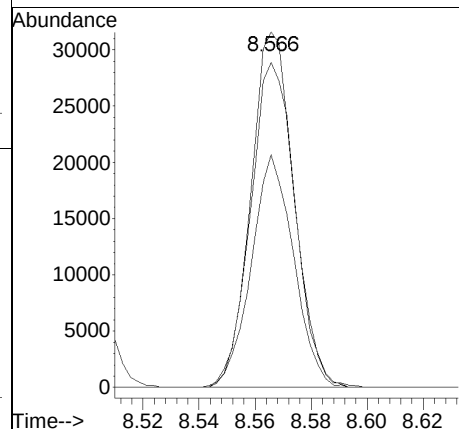
Tgt	Ion	Resp	Lower	Upper
91	100			
106	30.9	24.3	36.5	

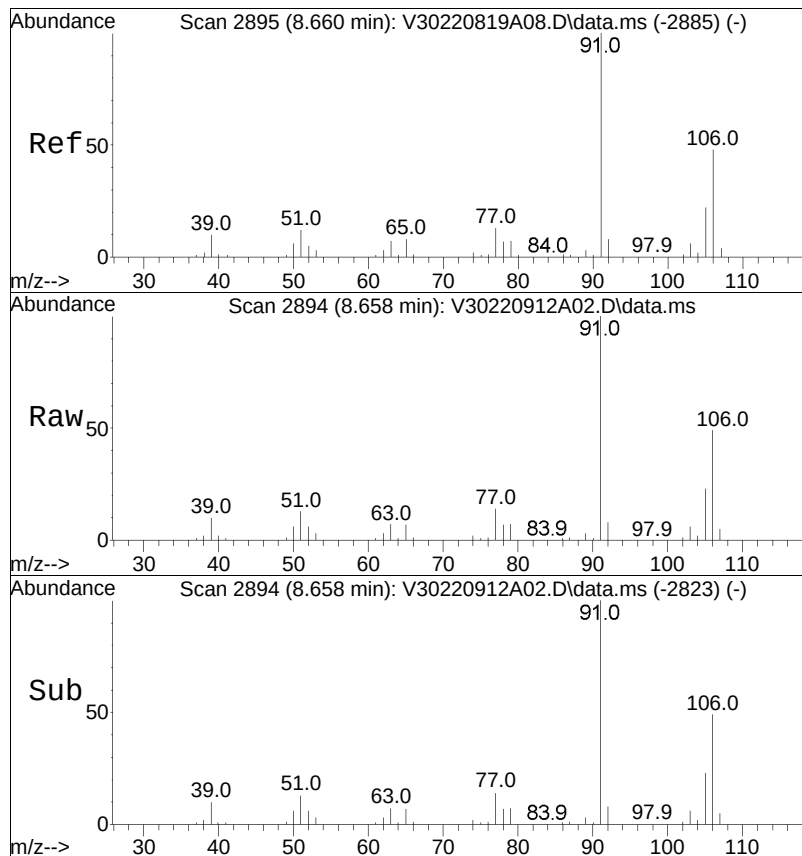




#75
 1,1,1,2-Tetrachloroethane
 Concen: 9.47 ug/L
 RT: 8.566 min Scan# 2861
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

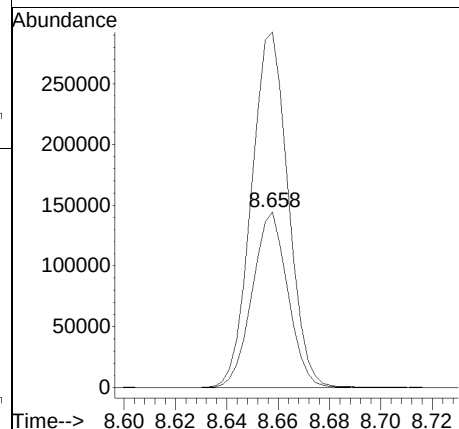
Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	81.0	121.0
119	63.8	41.3	81.3

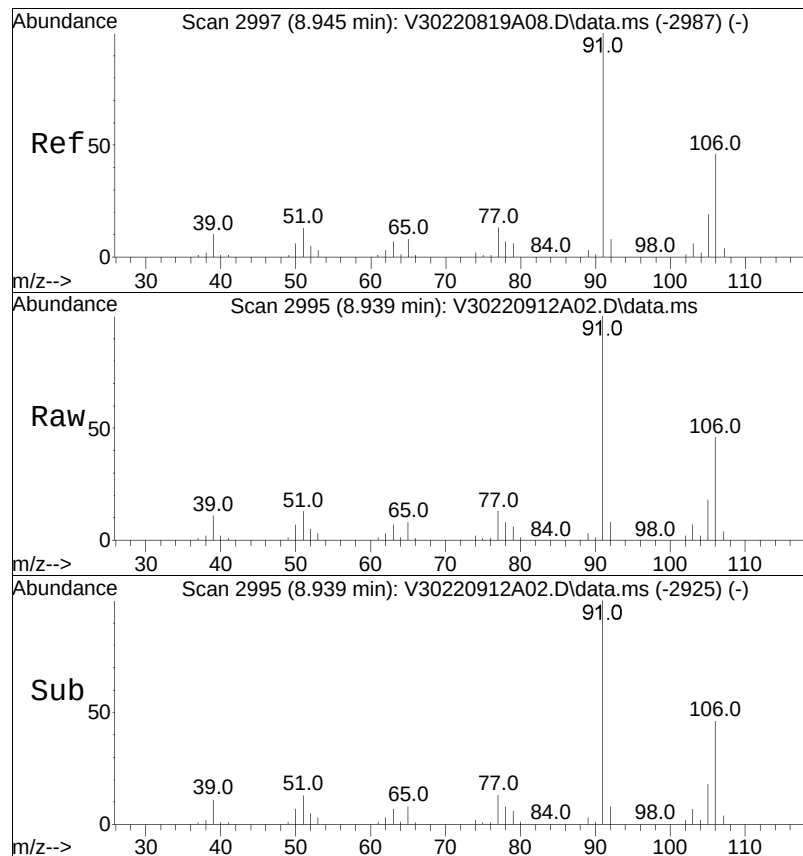




#76
 p/m Xylene
 Concen: 19.67 ug/L
 RT: 8.658 min Scan# 2894
 Delta R.T. -0.002 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

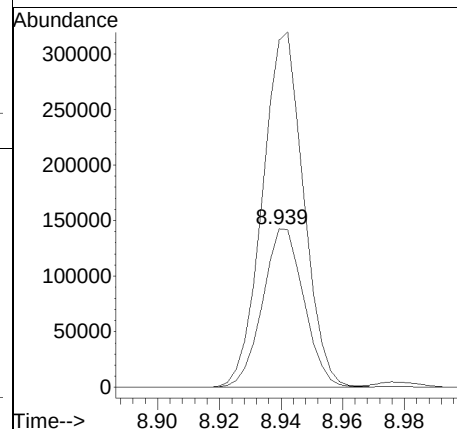
Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	209.2	166.4	249.6	

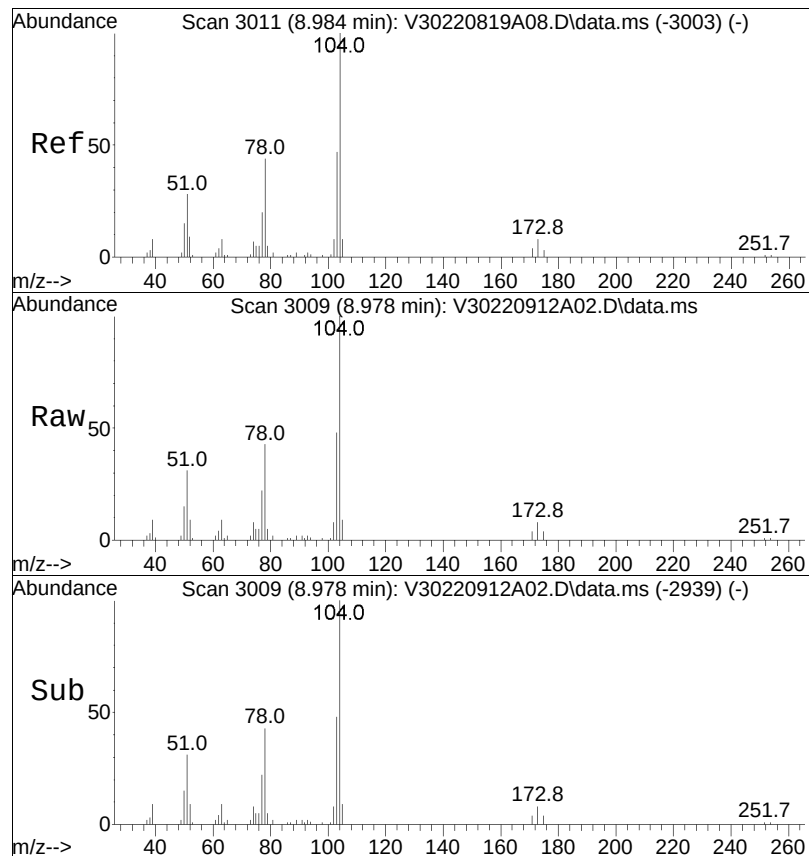




#77
 o Xylene
 Concen: 19.37 ug/L
 RT: 8.939 min Scan# 2995
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

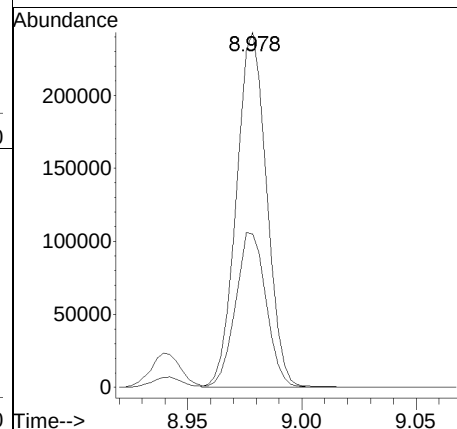
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	222.2	182.6	273.8	

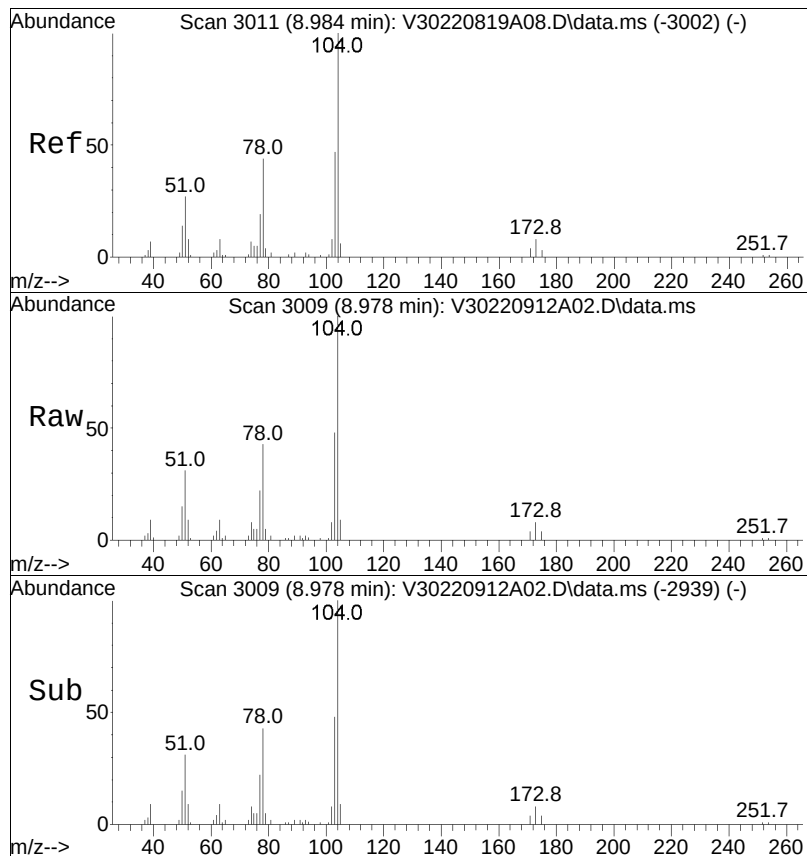




#78
 Styrene
 Concen: 20.22 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

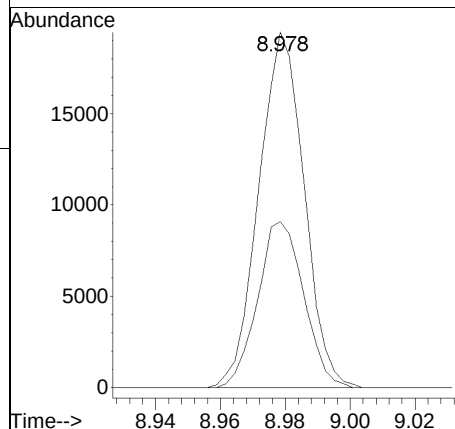
Tgt	Ion	Ratio	Lower	Upper
104	100			
78	44.0	39.8	59.6	

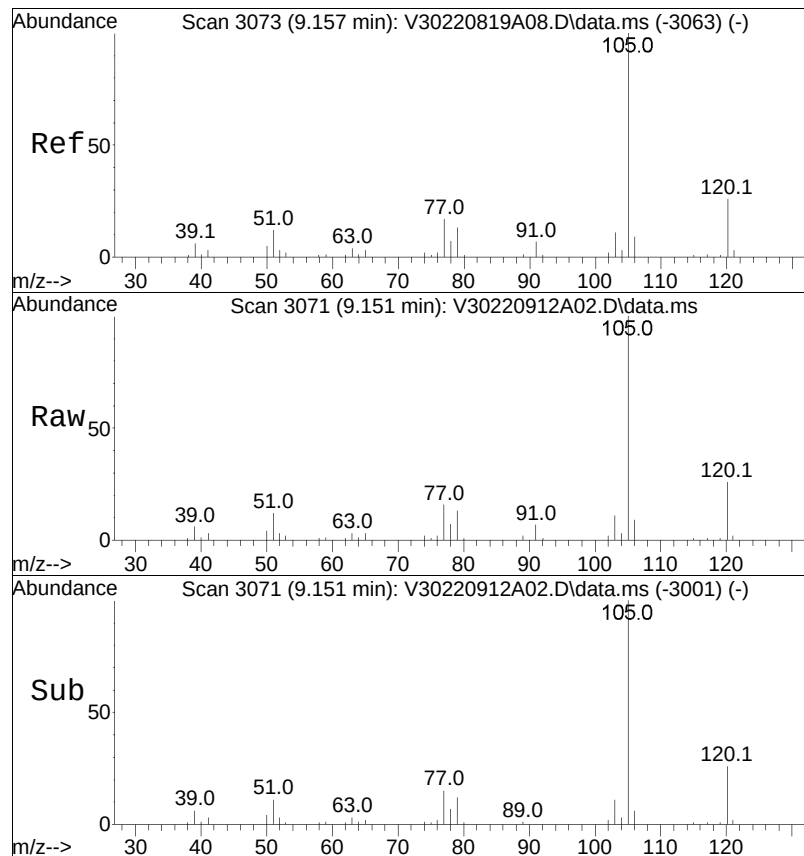




#80
 Bromoform
 Concen: 9.24 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

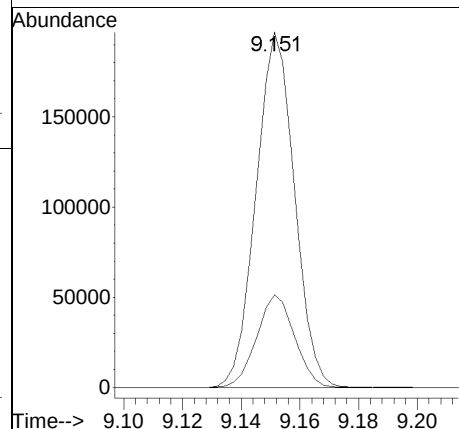
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	31.5	71.5

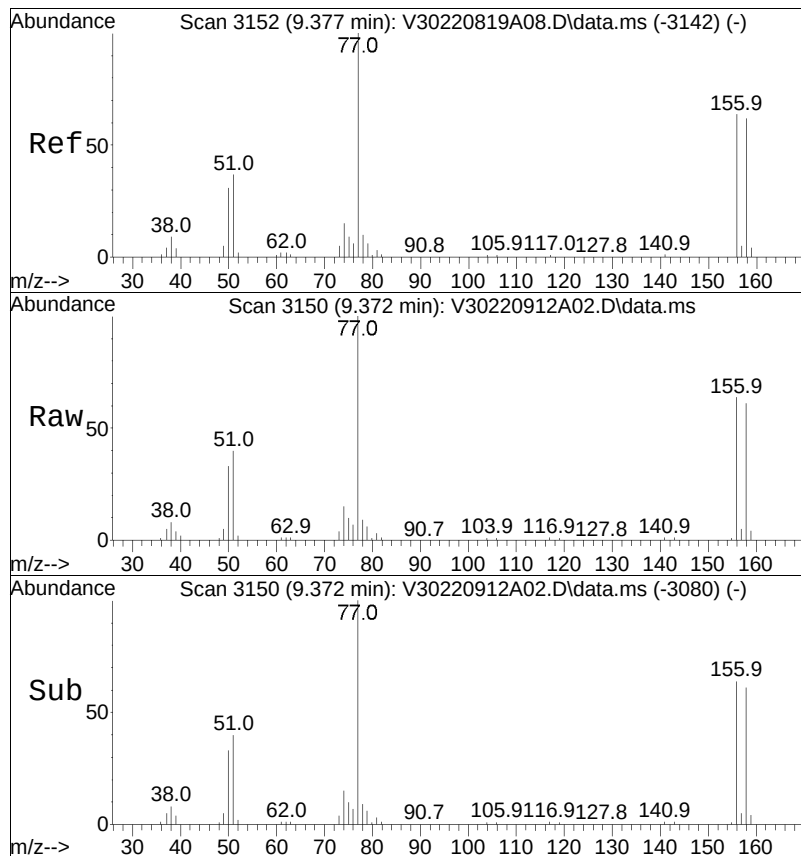




#82
 Isopropylbenzene
 Concen: 9.58 ug/L
 RT: 9.151 min Scan# 3071
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

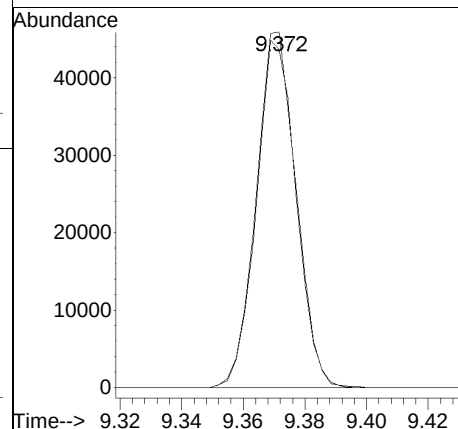
Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	25.7		4.8	44.8	

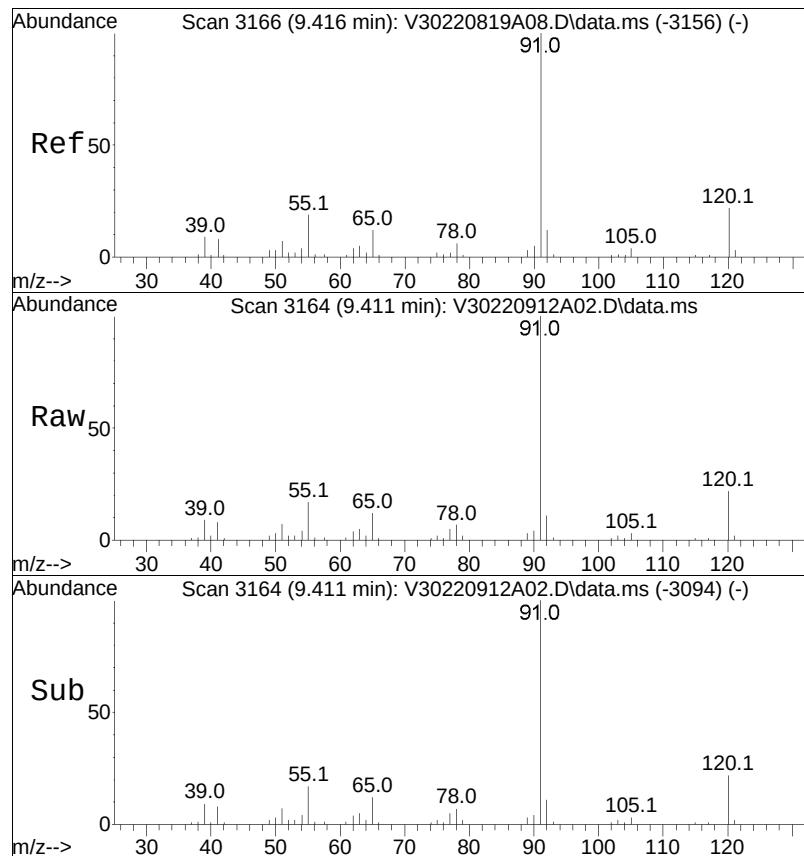




#84
 Bromobenzene
 Concen: 8.92 ug/L
 RT: 9.372 min Scan# 3150
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

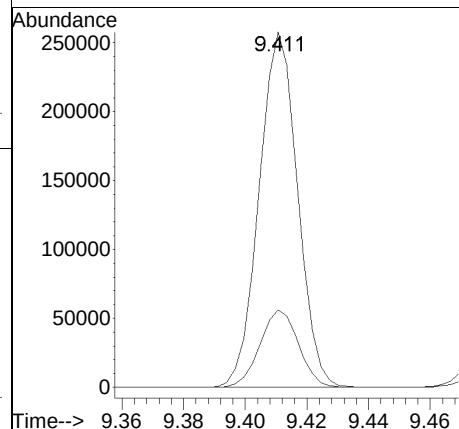
Tgt Ion	Ratio	Lower	Upper
156	100		
158	97.0	75.9	113.9

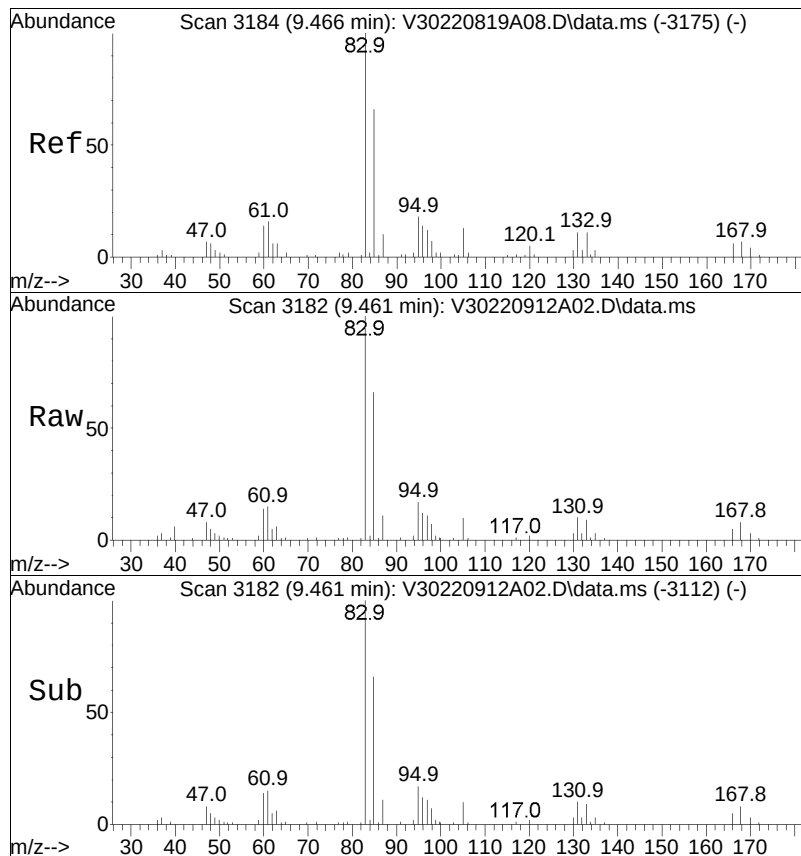




#85
 n-Propylbenzene
 Concen: 9.91 ug/L
 RT: 9.411 min Scan# 3164
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

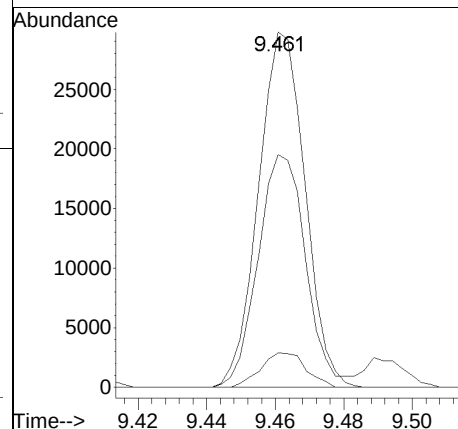
Tgt	Ion	Resp	Lower	Upper
91	100	223064		
120	21.9	17.0	25.6	

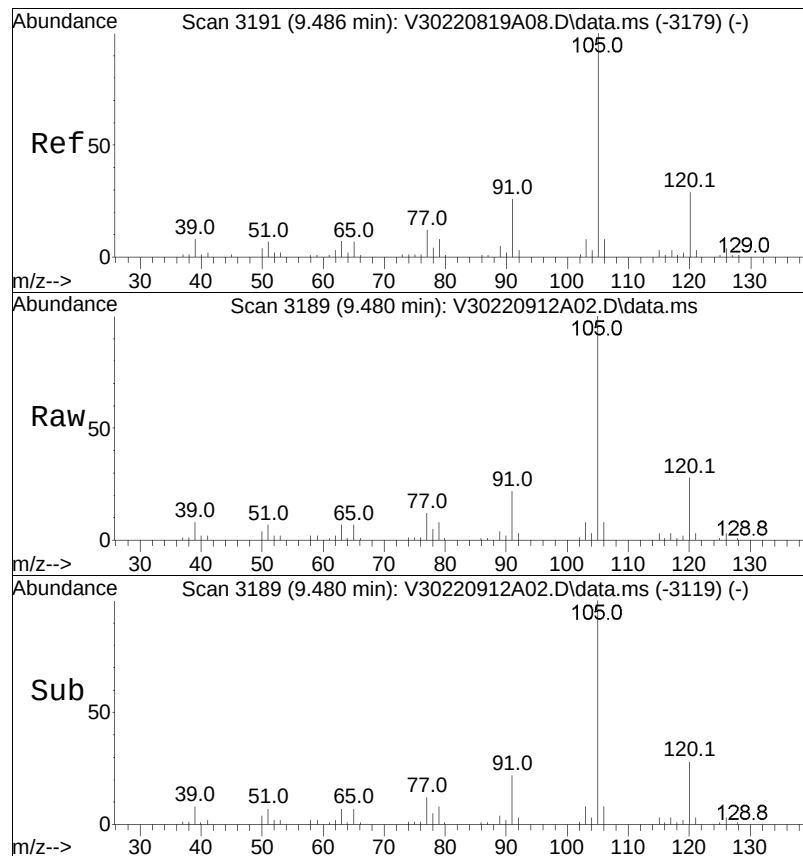




#87
 1,1,2,2-Tetrachloroethane
 Concen: 8.32 ug/L
 RT: 9.461 min Scan# 3182
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

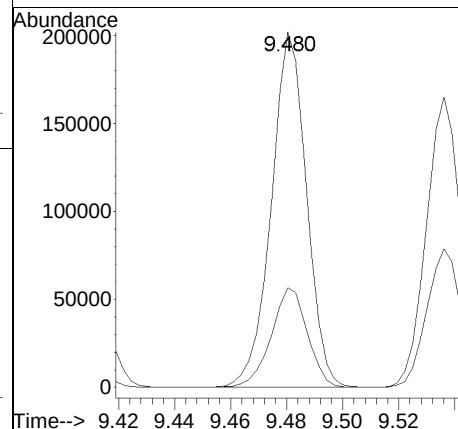
Tgt Ion:	83	Resp:	28128
Ion Ratio	Lower	Upper	
83	100		
131	9.5	0.0	30.4
85	67.5	45.4	85.4

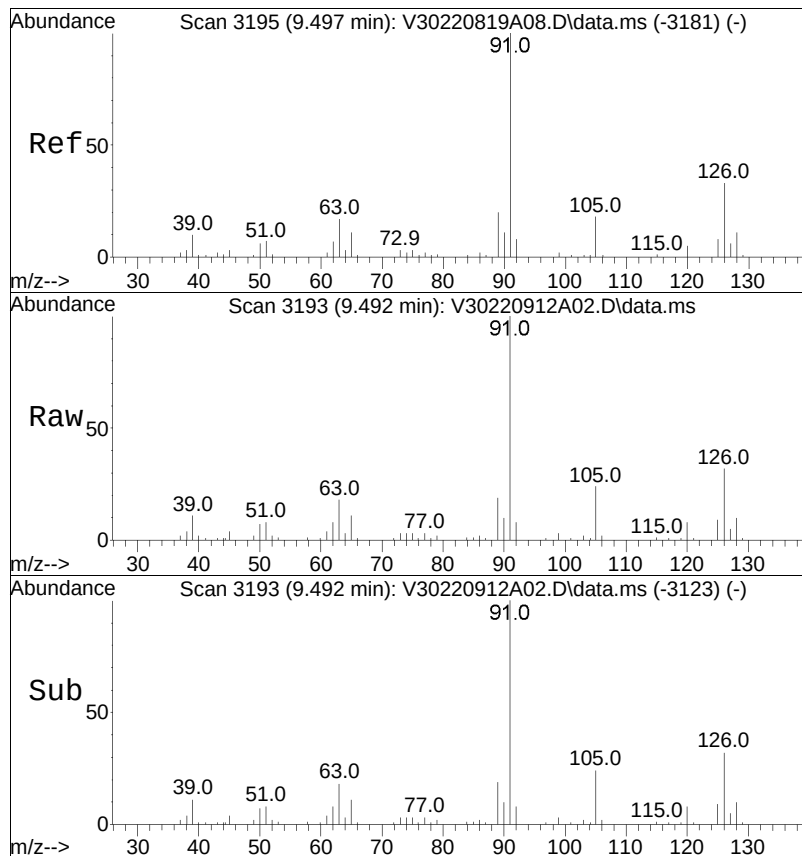




#88
 4-Ethyltoluene
 Concen: 9.57 ug/L
 RT: 9.480 min Scan# 3189
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

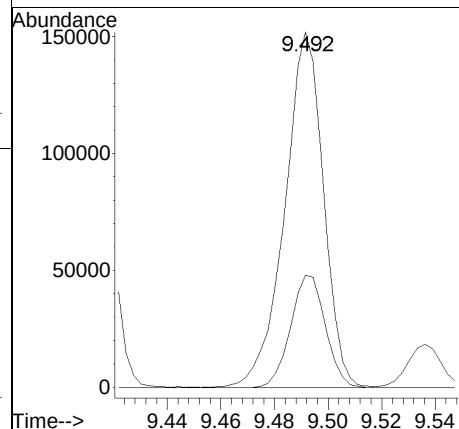
Tgt	Ion	Ratio	Lower	Upper
105	105	100		
120	120	28.8	18.1	37.7

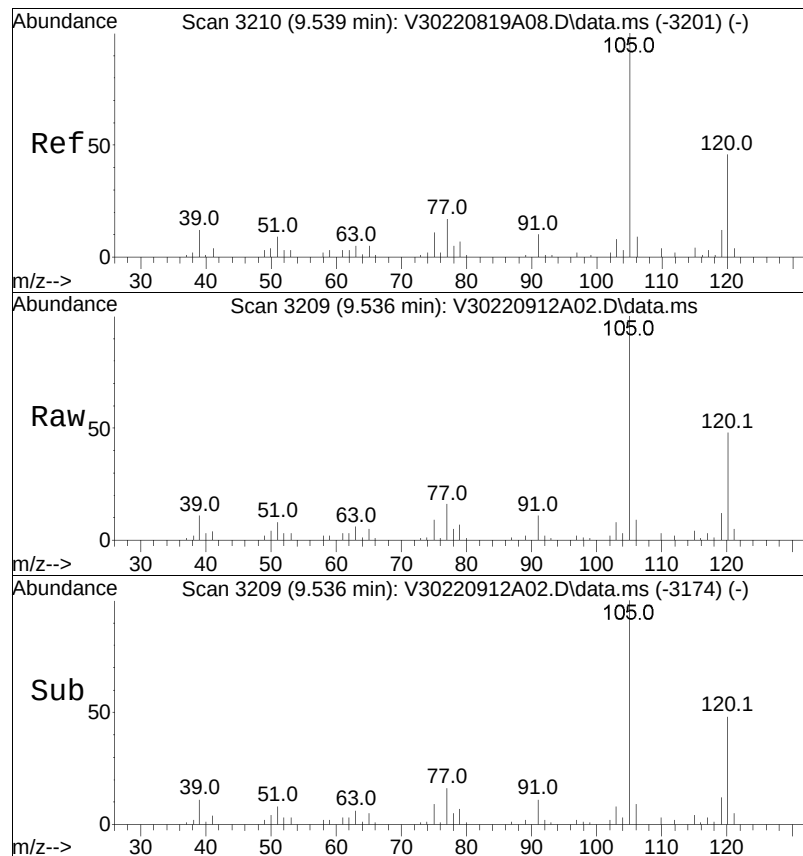




#89
 2-Chlorotoluene
 Concen: 9.67 ug/L
 RT: 9.492 min Scan# 3193
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

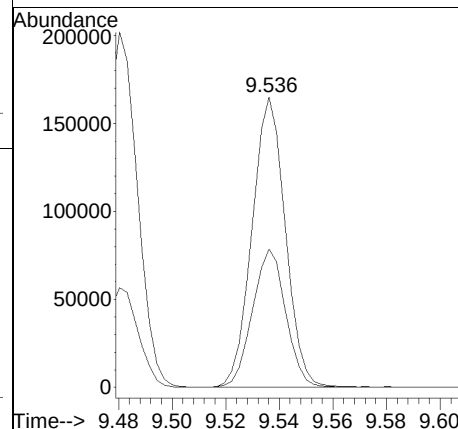
Tgt	Ion	Ratio	Lower	Upper
91	100			
126	28.3	21.5	32.3	

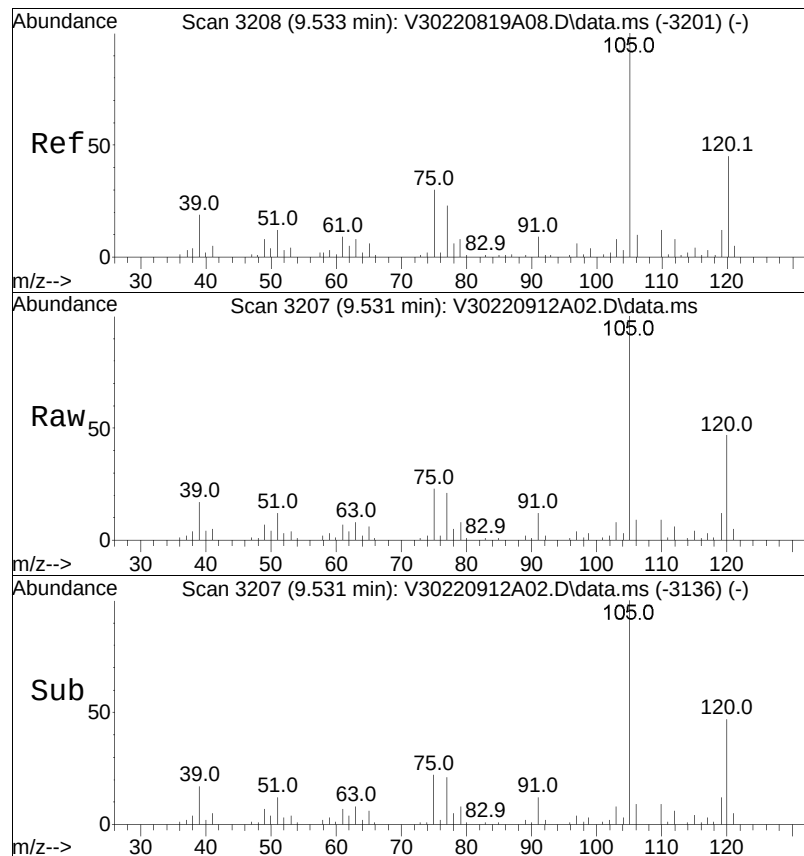




#90
 1,3,5-Trimethylbenzene
 Concen: 8.92 ug/L
 RT: 9.536 min Scan# 3209
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

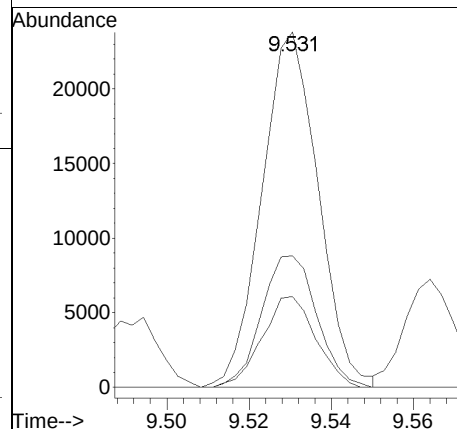
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	47.8	34.8	52.2	

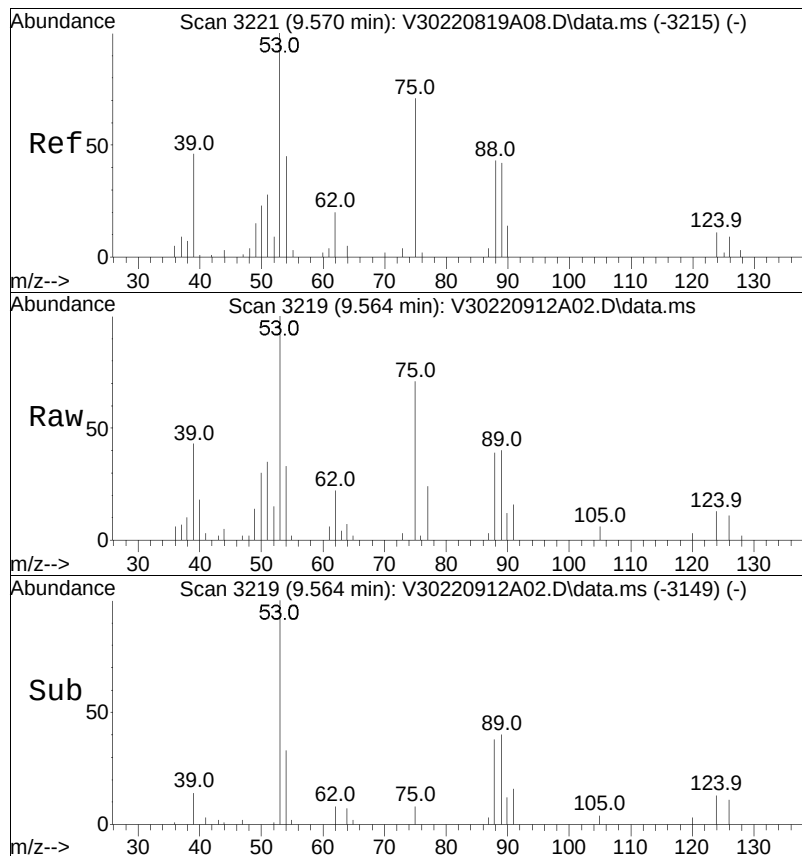




#91
 1,2,3-Trichloropropane
 Concen: 8.34 ug/L
 RT: 9.531 min Scan# 3207
 Delta R.T. -0.002 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

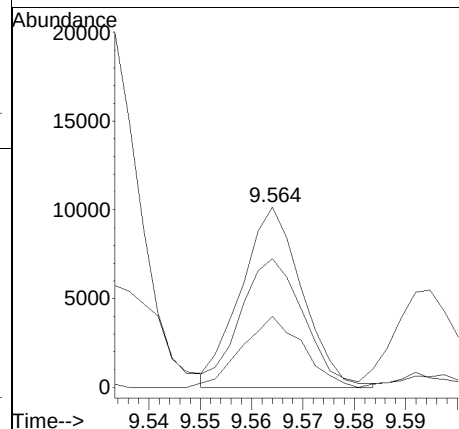
Tgt Ion:	75	Resp:	22667
Ion Ratio	Lower	Upper	
75	100		
110	36.4	25.4	52.8
112	24.5	15.6	32.4

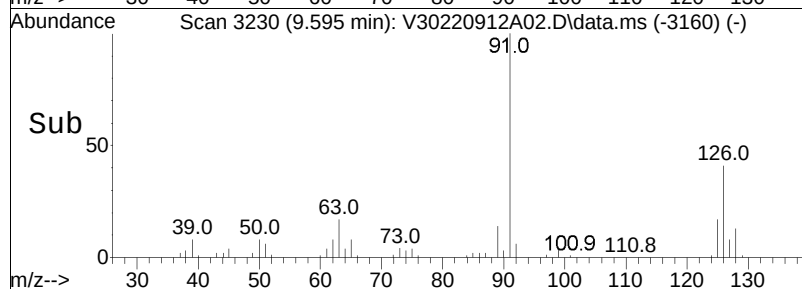
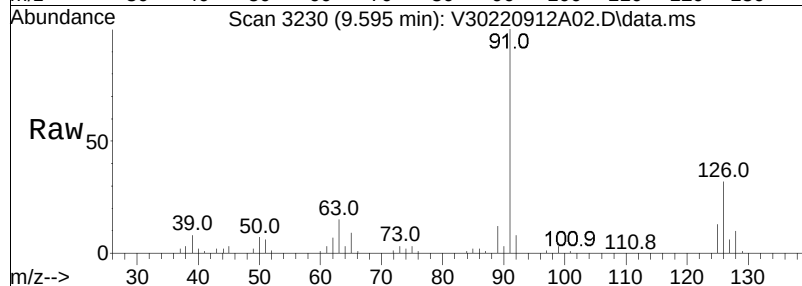
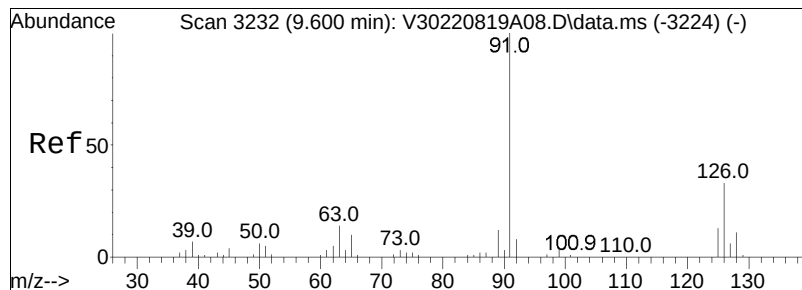




#92
 trans-1,4-Dichloro-2-butene
 Concen: 8.88 ug/L
 RT: 9.564 min Scan# 3219
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

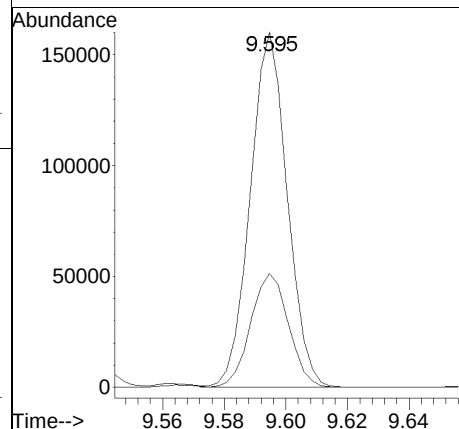
Tgt	Ion	Ratio	Lower	Upper
53	100			
88	39.2	39.6	59.4#	
75	73.9	70.2	105.4	

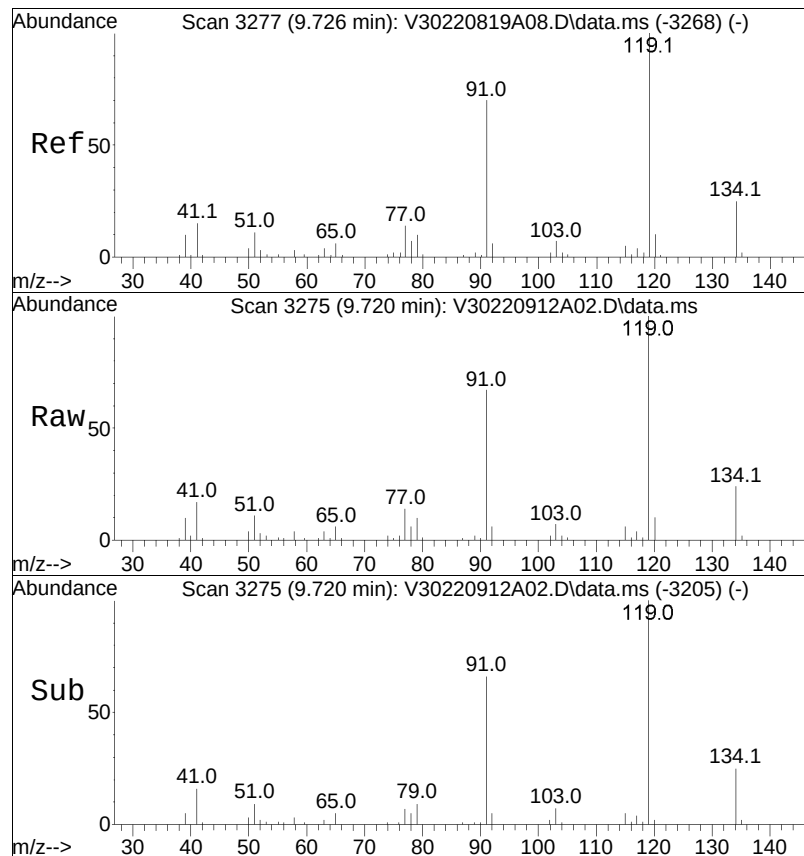




#93
 4-Chlorotoluene
 Concen: 9.46 ug/L
 RT: 9.595 min Scan# 3230
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

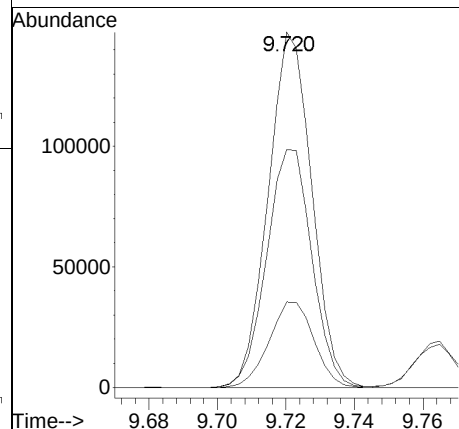
Tgt Ion:	91	Resp:	133539
Ion Ratio	Lower	Upper	
91	100		
126	32.8	24.6	36.8

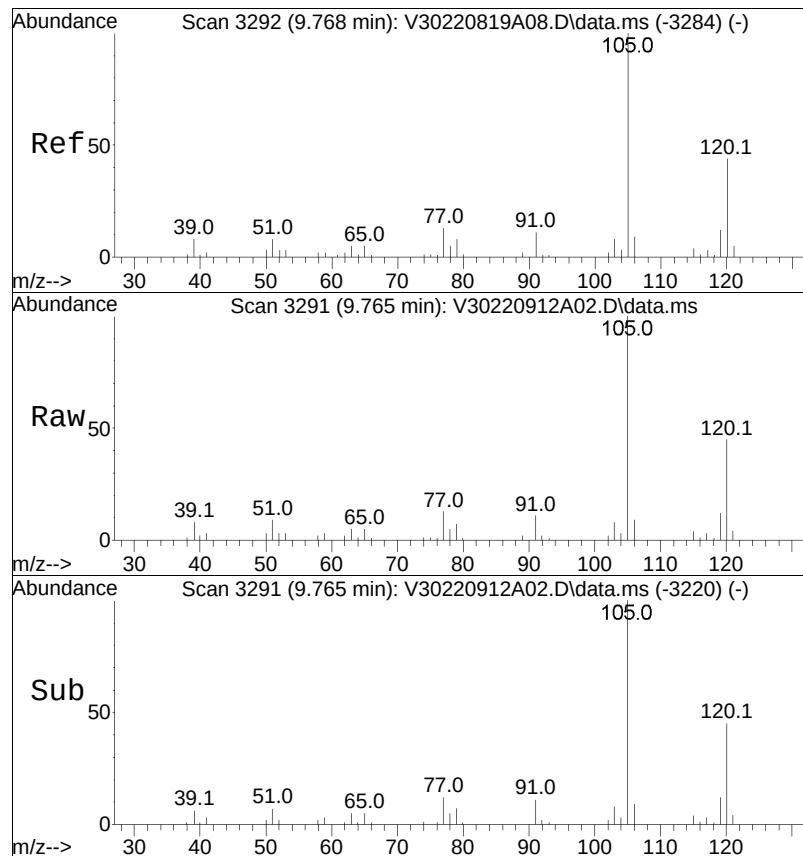




#94
 tert-Butylbenzene
 Concen: 9.50 ug/L
 RT: 9.720 min Scan# 3275
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

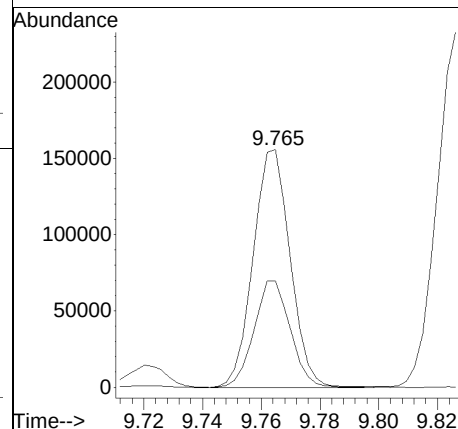
Tgt	Ion:119	Resp:	130435
Ion	Ratio	Lower	Upper
119	100		
91	69.6	51.4	77.2
134	24.7	18.3	27.5

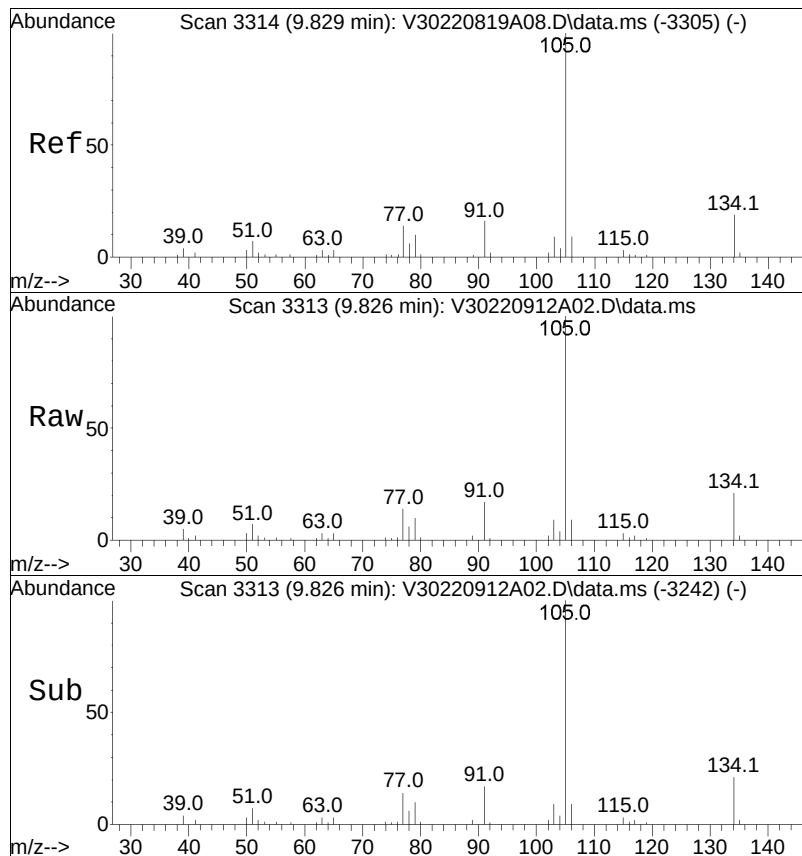




#97
 1,2,4-Trimethylbenzene
 Concen: 8.72 ug/L
 RT: 9.765 min Scan# 3291
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

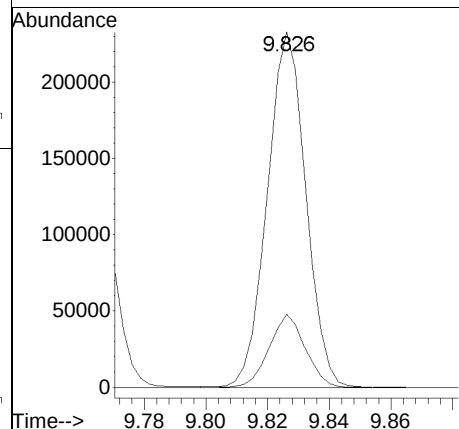
Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	43.8		33.4	50.0	

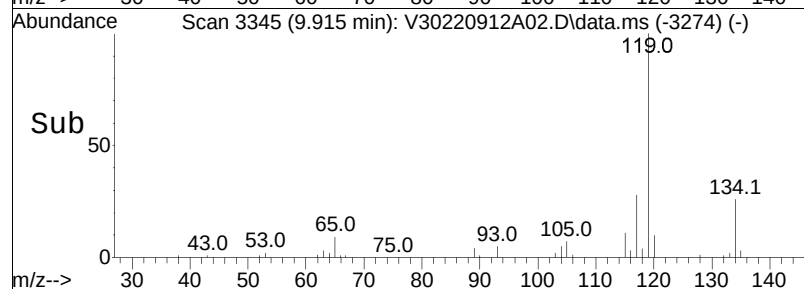
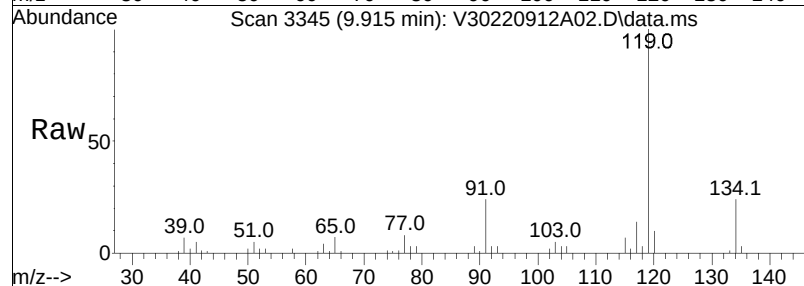
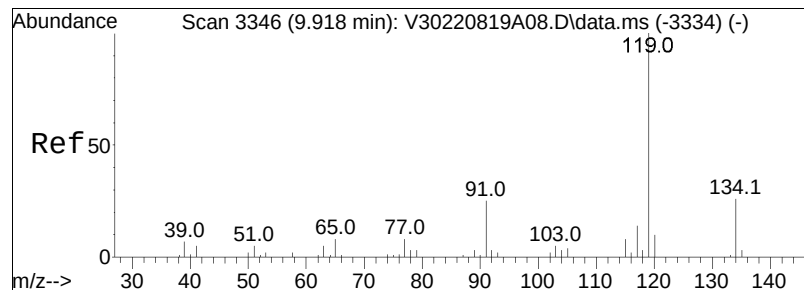




#98
 sec-Butylbenzene
 Concen: 9.81 ug/L
 RT: 9.826 min Scan# 3313
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

Tgt	Ion	Ratio	Lower	Upper
105	100			
134	19.2	12.5	26.1	





#99

p-Isopropyltoluene

Concen: 9.46 ug/L

RT: 9.915 min Scan# 3345

Delta R.T. -0.003 min

Lab File: V30220912A02.D

Acq: 12 Sep 2022 07:14 am

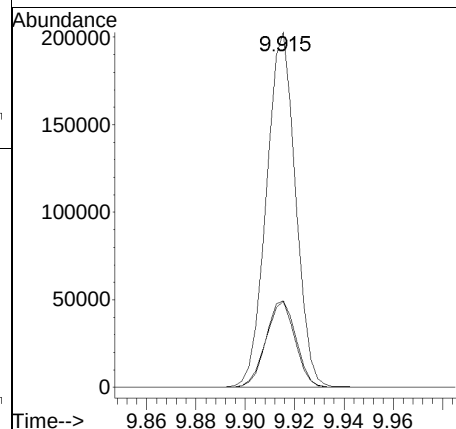
Tgt Ion:119 Resp: 166684

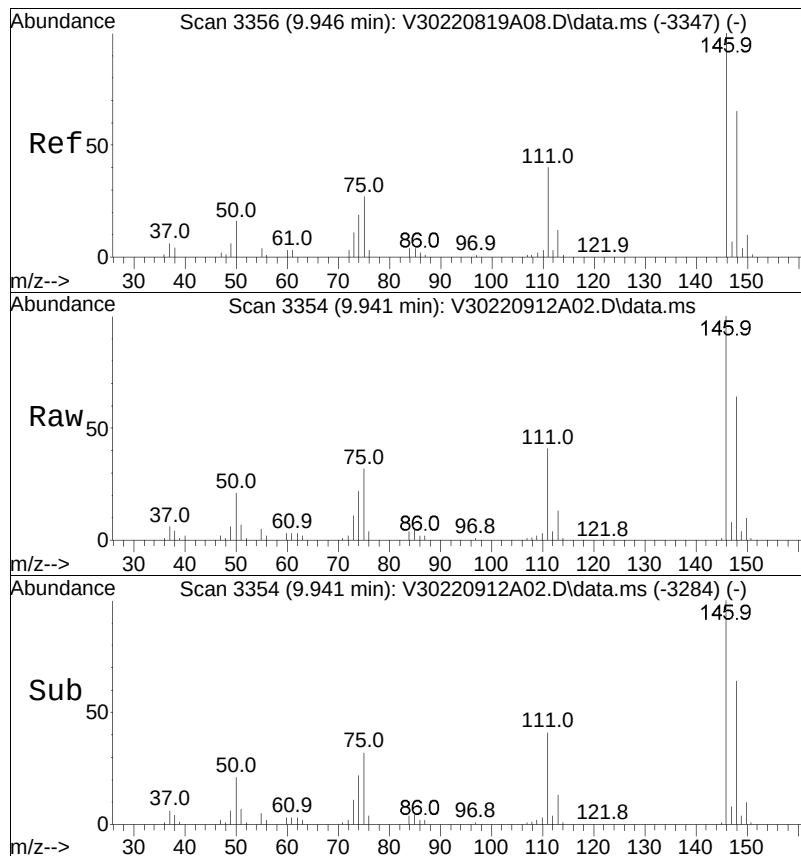
Ion Ratio Lower Upper

119 100

134 25.2 16.1 33.3

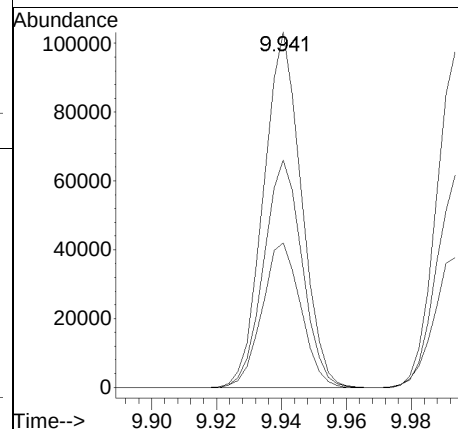
91 24.3 17.3 35.9

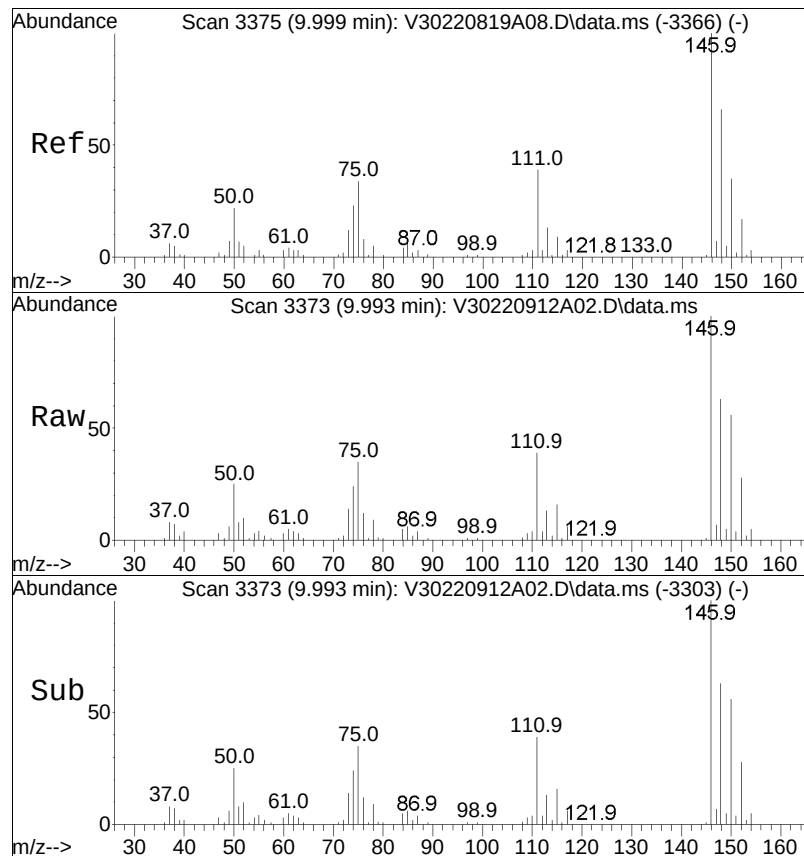




#100
 1,3-Dichlorobenzene
 Concen: 9.43 ug/L
 RT: 9.941 min Scan# 3354
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

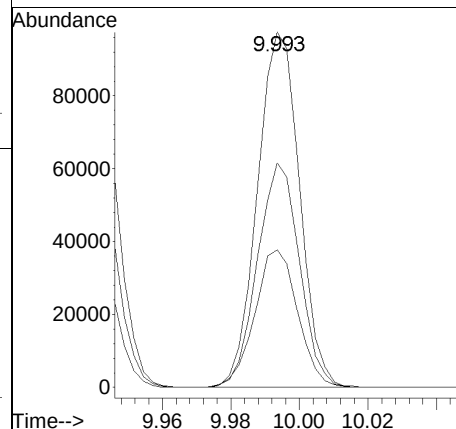
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	27.5	57.1
148	64.8	41.9	86.9

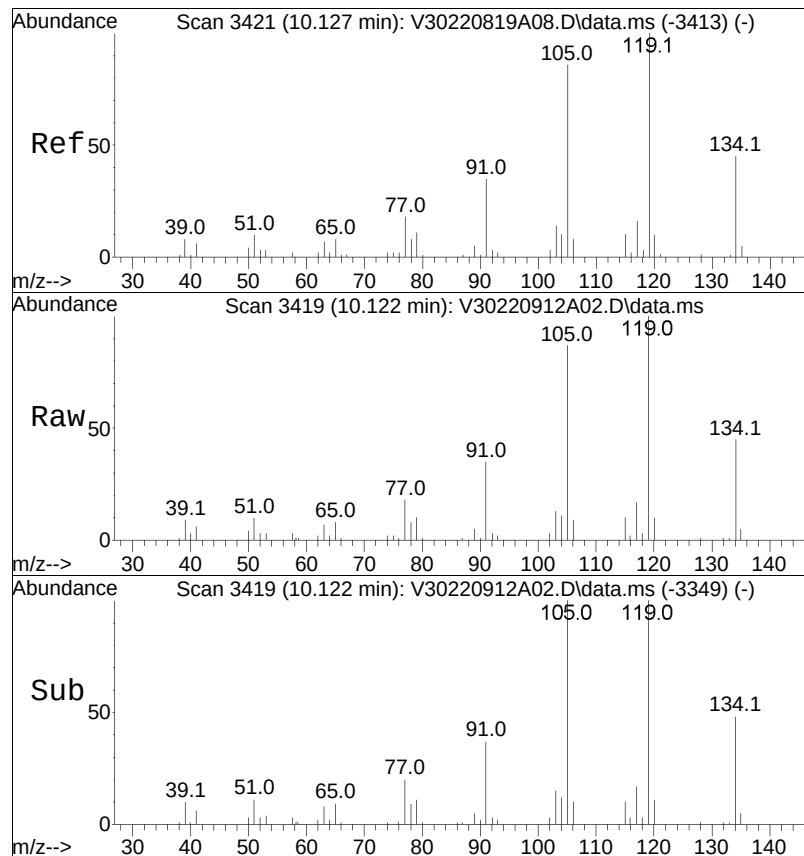




#101
 1,4-Dichlorobenzene
 Concen: 9.33 ug/L
 RT: 9.993 min Scan# 3373
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

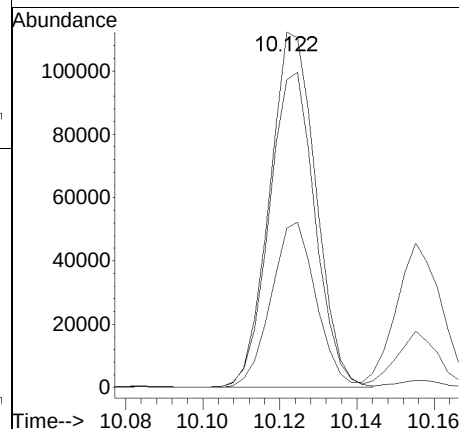
Tgt	Ion:146	Resp:	83333
Ion	Ratio	Lower	Upper
146	100		
111	39.6	32.3	48.5
148	63.0	49.9	74.9

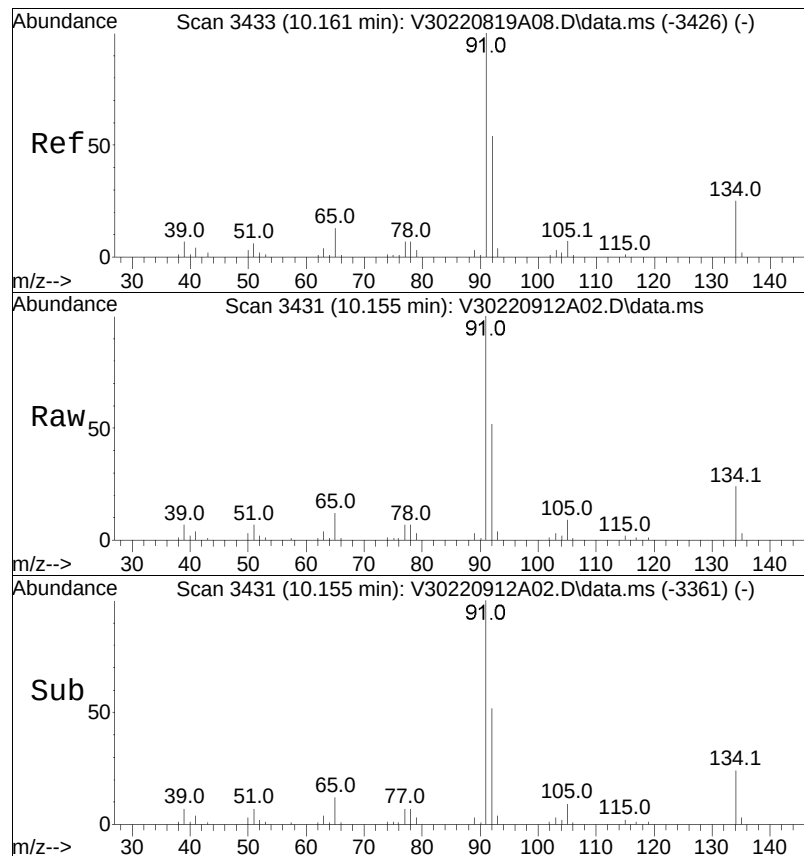




#102
 p-Diethylbenzene
 Concen: 8.81 ug/L
 RT: 10.122 min Scan# 3419
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

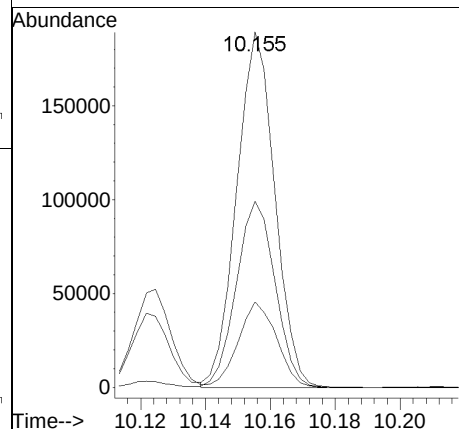
Tgt Ion	Ratio	Lower	Upper
119	100		
105	87.7	59.5	123.7
134	44.9	30.2	62.6

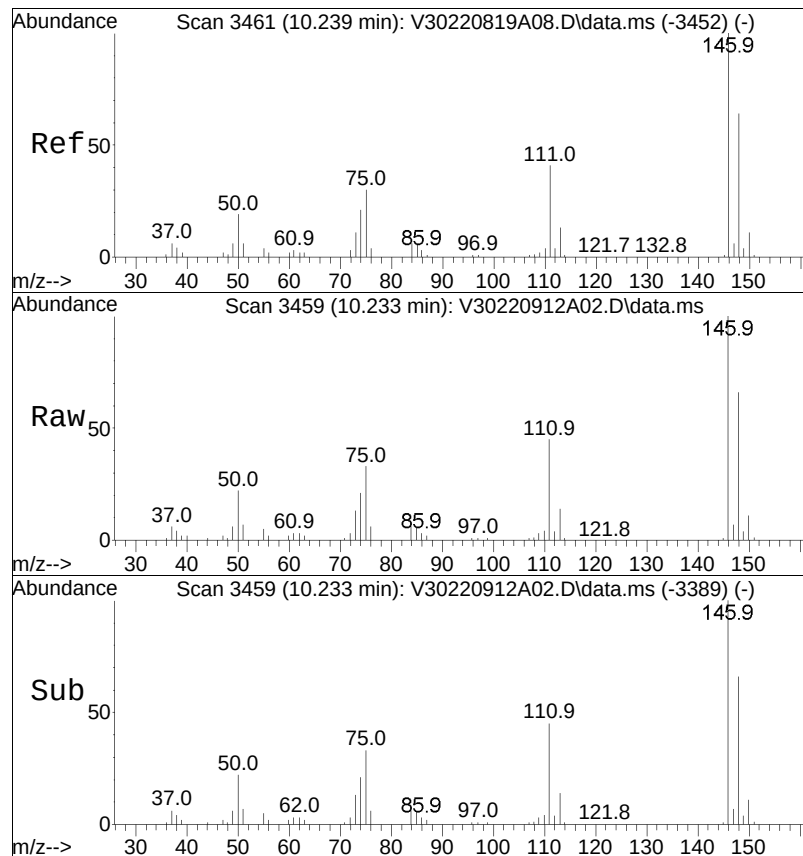




#103
 n-Butylbenzene
 Concen: 9.44 ug/L
 RT: 10.155 min Scan# 3431
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

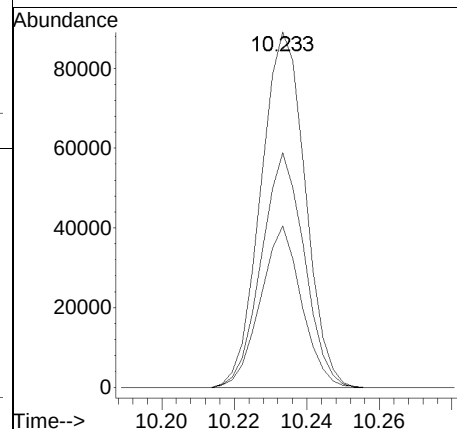
Tgt	Ion: 91	Resp:	154352
Ion	Ratio	Lower	Upper
91	100		
92	53.4	43.0	64.4
134	24.2	19.6	29.4

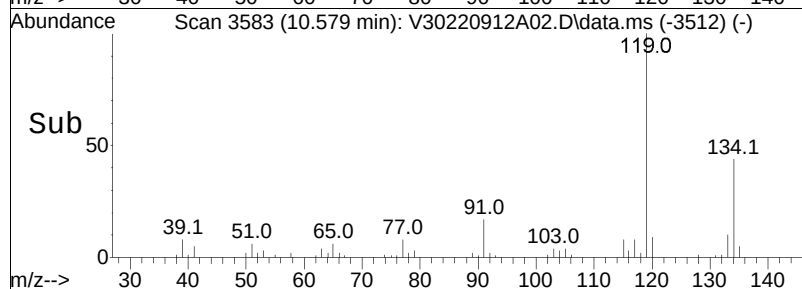
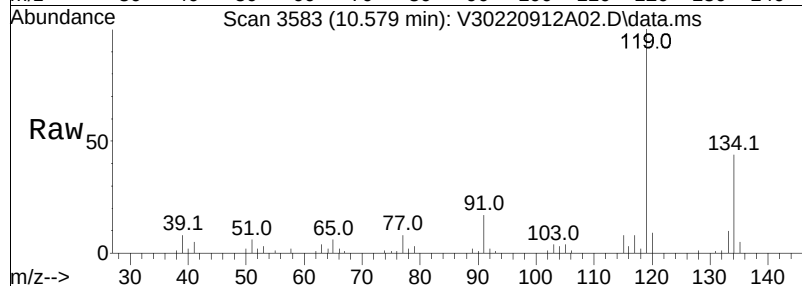
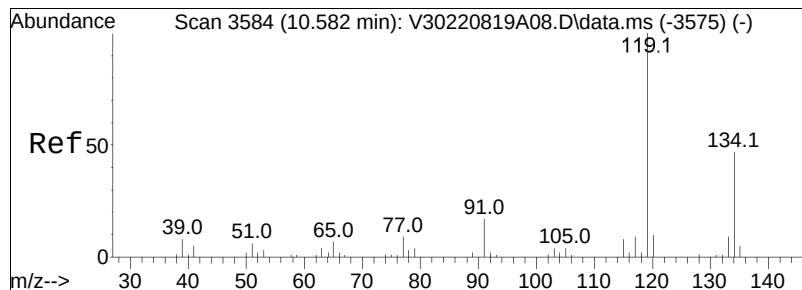




#104
 1,2-Dichlorobenzene
 Concen: 9.11 ug/L
 RT: 10.233 min Scan# 3459
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

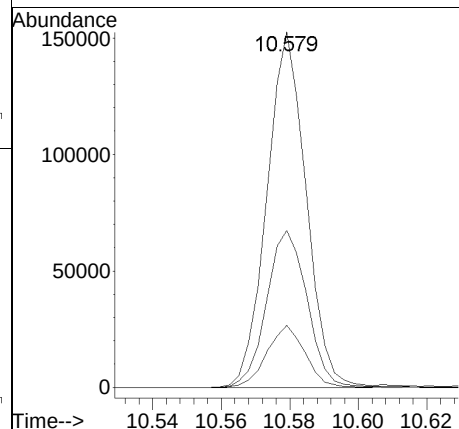
Tgt Ion:	146	Resp:	75897
Ion Ratio	Lower	Upper	
146	100		
111	42.1	28.3	58.7
148	63.8	42.3	87.8

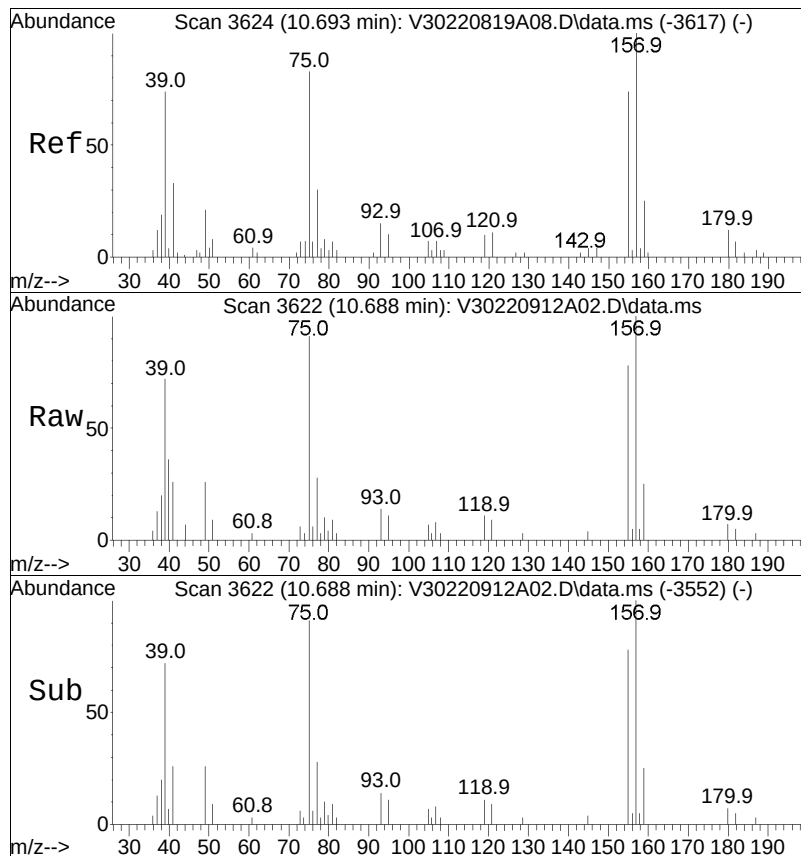




#105
 1,2,4,5-Tetramethylbenzene
 Concen: 7.44 ug/L
 RT: 10.579 min Scan# 3583
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

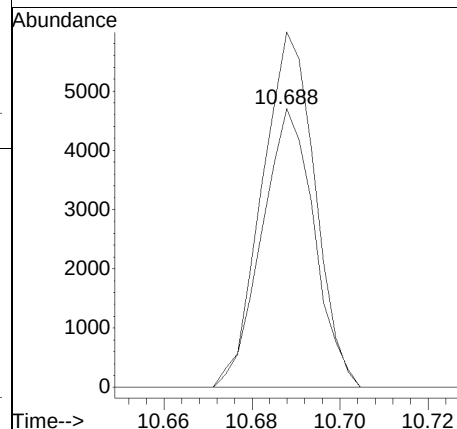
Tgt Ion:	119	Resp:	121242
Ion Ratio	Lower	Upper	
119	100		
134	45.9	30.5	63.3
91	17.0	12.4	25.7

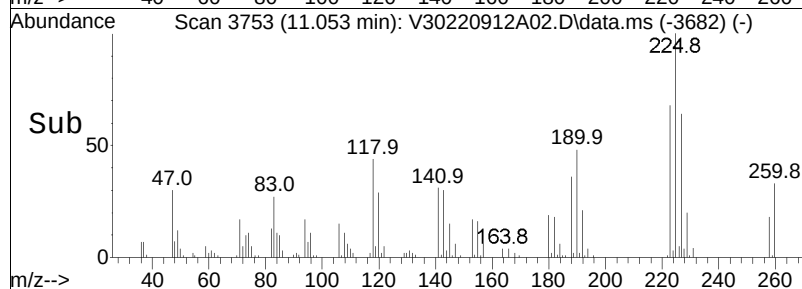
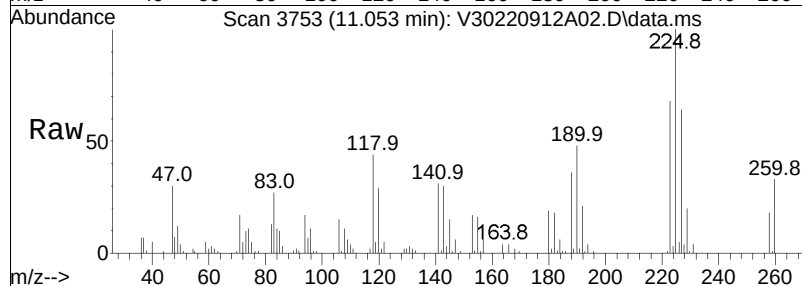
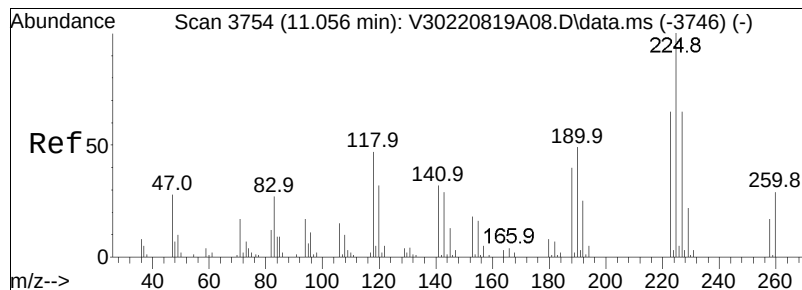




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.97 ug/L
 RT: 10.688 min Scan# 3622
 Delta R.T. -0.005 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

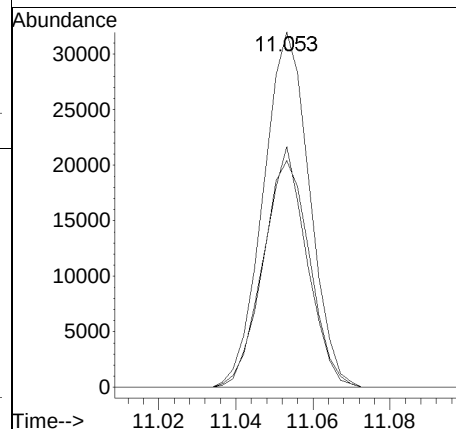
Tgt Ion	Ratio	Lower	Upper
155	100		
157	128.4	94.8	142.2

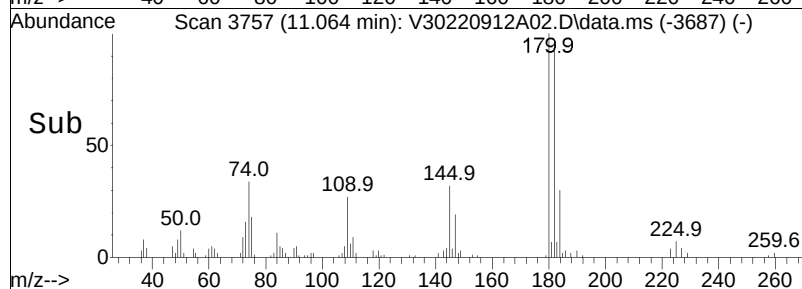
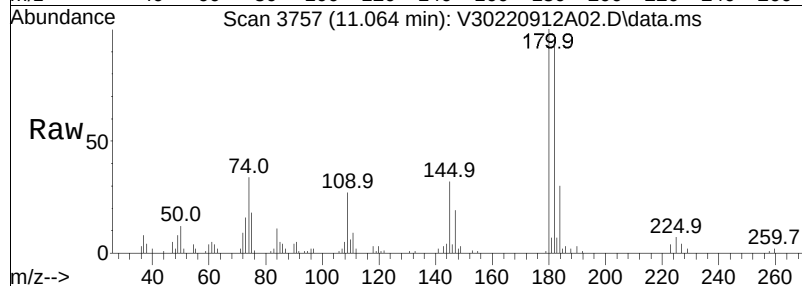
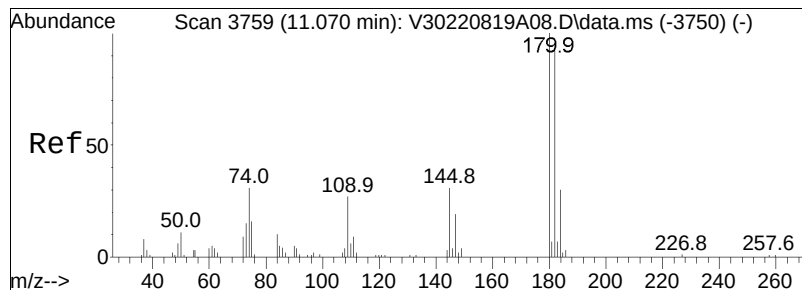




#108
 Hexachlorobutadiene
 Concen: 8.33 ug/L
 RT: 11.053 min Scan# 3753
 Delta R.T. -0.003 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

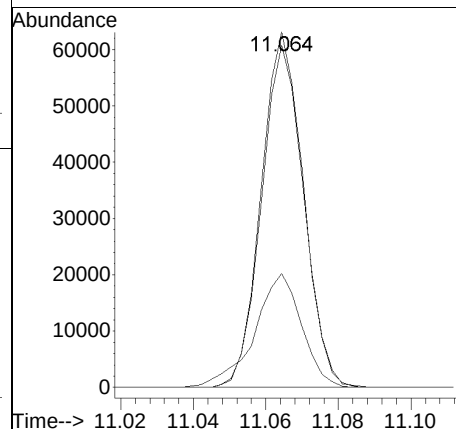
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26788		
223	63.1		54.3	81.5
227	64.6		52.4	78.6

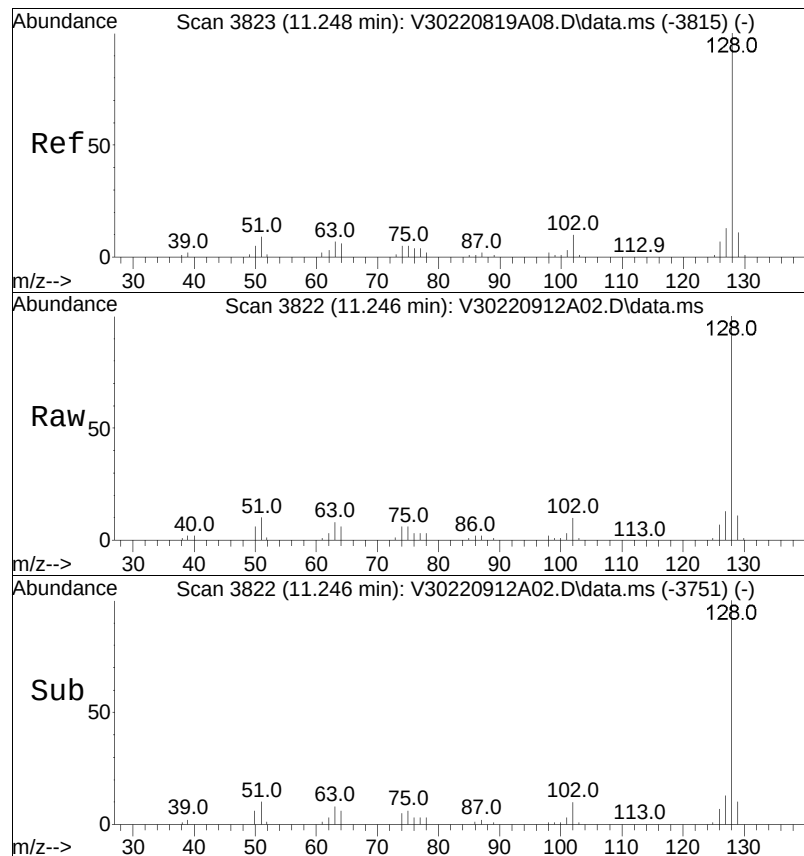




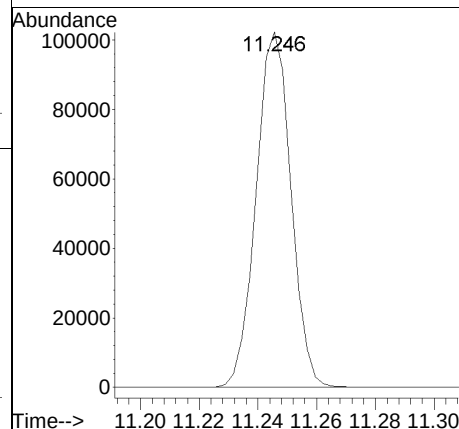
#109
 1,2,4-Trichlorobenzene
 Concen: 8.24 ug/L
 RT: 11.064 min Scan# 3757
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

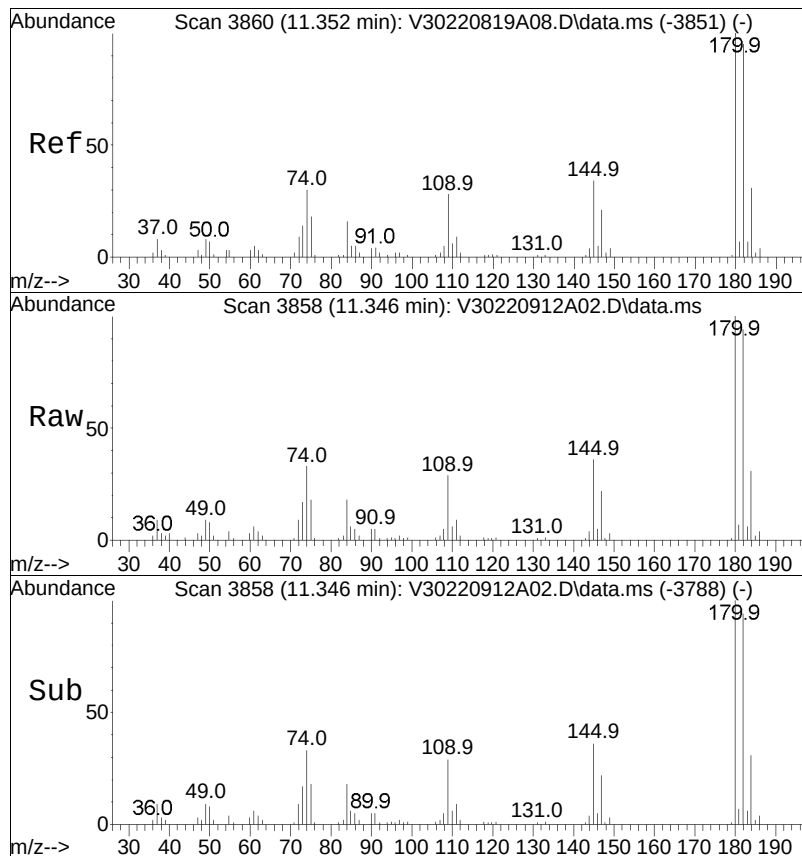
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.3	115.9
145	36.0	28.1	42.1





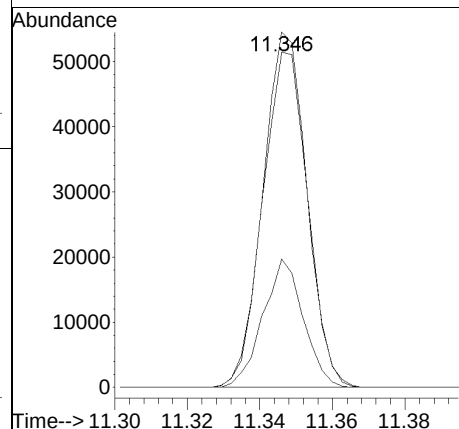
#110
 Naphthalene
 Concen: 7.61 ug/L
 RT: 11.246 min Scan# 3822
 Delta R.T. -0.002 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am
 Tgt Ion:128 Resp: 84352





#111
 1,2,3-Trichlorobenzene
 Concen: 8.40 ug/L
 RT: 11.346 min Scan# 3858
 Delta R.T. -0.006 min
 Lab File: V30220912A02.D
 Acq: 12 Sep 2022 07:14 am

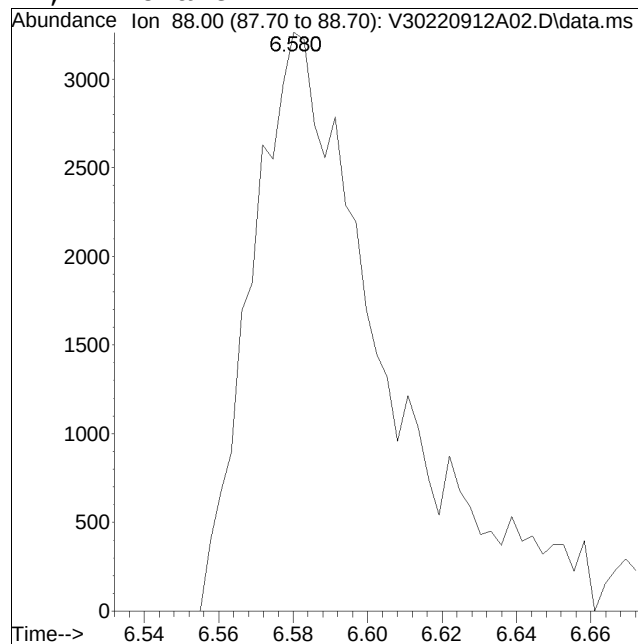
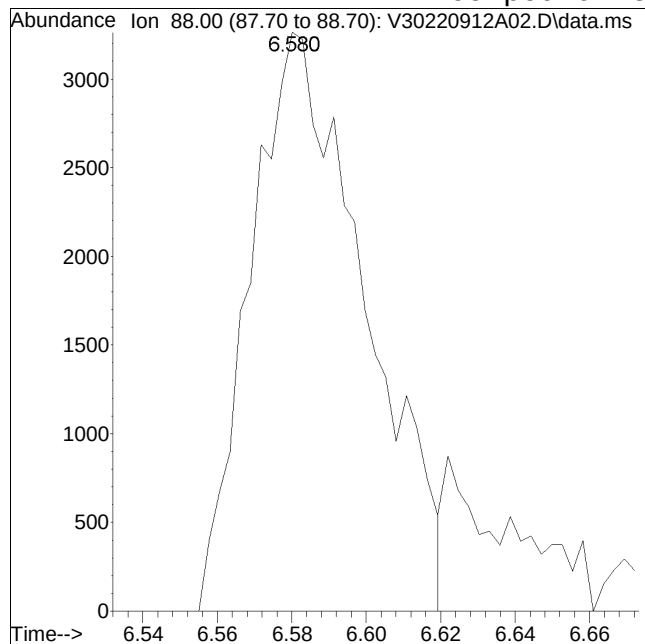
Tgt Ion:	180	Resp:	45921
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.4	114.6
145	33.2	26.4	39.6



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220912A02.D Operator : VOA130:MV
Date Inj'd : 9/12/2022 7:14 am Instrument : VOA130
Sample : WG1686411-4,31,10,10 Quant Date : 9/12/2022 7:45 am

Compound #57: 1,4-Dioxane



Original Peak Response = 6974

Manual Peak Response = 8050 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\220913A\
 Data File : V30220913A28.D
 Acq On : 13 Sep 2022 03:31 pm
 Operator : VOA130:PD
 Sample : WG1686411-6,31,10,10,,c2
 Misc : WG1686411,ICAL19274
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 13 19:19:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	152048	10.000	ug/L	0.00
Standard Area 1 = 167817			Recovery =	90.60%		
59) Chlorobenzene-d5	8.495	117	112477	10.000	ug/L	0.00
Standard Area 1 = 125779			Recovery =	89.42%		
79) 1,4-Dichlorobenzene-d4	9.985	152	58918	10.000	ug/L	0.00
Standard Area 1 = 66872			Recovery =	88.11%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.488	113	41677	10.379	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.79%		
43) 1,2-Dichloroethane-d4	5.135	65	43959	9.971	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.71%		
60) Toluene-d8	7.193	98	147572	10.101	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.01%		
83) 4-Bromofluorobenzene	9.315	95	53891	9.647	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.47%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.938	85	15624	5.049	ug/L	97
3) Chloromethane	1.058	50	26350	7.379	ug/L	99
4) Vinyl chloride	1.108	62	70503	19.901	ug/L	90
5) Bromomethane	1.312	94	9600	3.937	ug/L	99
6) Chloroethane	1.398	64	25973	11.671	ug/L	99
7) Trichlorofluoromethane	1.493	101	50362	9.247	ug/L	96
8) Ethyl ether	1.725	74	10314	8.030	ug/L	84
10) 1,1-Dichloroethene	1.856	96	27999	9.671	ug/L	79
11) Carbon disulfide	1.858	76	68957	9.599	ug/L	99
15) Methylene chloride	2.341	84	29084	8.961	ug/L	79
17) Acetone	2.399	43	4499	8.965	ug/L	93
18) trans-1,2-Dichloroethene	2.486	96	59758	19.082	ug/L	85
20) Methyl tert-butyl ether	2.623	73	38778	6.358	ug/L	# 91
23) 1,1-Dichloroethane	3.122	63	55691	8.900	ug/L	98
25) Acrylonitrile	3.189	53	5595M1	8.472	ug/L	
27) Vinyl acetate	3.501	43	37419	6.689	ug/L	# 88
28) cis-1,2-Dichloroethene	3.808	96	271294	75.411	ug/L	# 77
29) 2,2-Dichloropropane	3.944	77	33164	8.038	ug/L	# 66
30) Bromochloromethane	4.081	128	13116	8.380	ug/L	# 70
32) Chloroform	4.246	83	54090	8.816	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A28.D
 Acq On : 13 Sep 2022 03:31 pm
 Operator : VOA130:PD
 Sample : WG1686411-6,31,10,10,,c2
 Misc : WG1686411,ICAL19274
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 13 19:19:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
34)	Carbon tetrachloride	4.365	117	42086	9.656	ug/L		97
37)	1,1,1-Trichloroethane	4.466	97	43426	8.517	ug/L	#	93
39)	2-Butanone	4.683	43	6549	8.534	ug/L	#	76
40)	1,1-Dichloropropene	4.639	75	39422	9.089	ug/L		96
41)	Benzene	4.959	78	113708	8.822	ug/L		93
44)	1,2-Dichloroethane	5.213	62	35813	7.931	ug/L		98
48)	Trichloroethene	5.679	95	117532	35.041	ug/L		97
50)	Dibromomethane	6.128	93	14479	8.104	ug/L		97
51)	1,2-Dichloropropane	6.245	63	28362	8.336	ug/L		96
54)	Bromodichloromethane	6.351	83	38848	8.443	ug/L		98
57)	1,4-Dioxane	6.585	88	6580	584.285	ug/L	#	78
58)	cis-1,3-Dichloropropene	7.015	75	36341	7.944	ug/L		96
61)	Toluene	7.241	92	72986	8.938	ug/L		98
62)	4-Methyl-2-pentanone	7.656	58	5125	7.096	ug/L	#	85
63)	Tetrachloroethene	7.598	166	167431	48.398	ug/L		94
65)	trans-1,3-Dichloropropene	7.670	75	28037	8.007	ug/L		98
68)	1,1,2-Trichloroethane	7.798	83	16003	8.061	ug/L		96
69)	Chlorodibromomethane	7.932	129	24311	8.291	ug/L		97
70)	1,3-Dichloropropane	8.010	76	33768	8.058	ug/L		99
71)	1,2-Dibromoethane	8.091	107	18007	8.027	ug/L		99
72)	2-Hexanone	8.339	43	8484	6.705	ug/L		97
73)	Chlorobenzene	8.507	112	76904	8.528	ug/L		93
74)	Ethylbenzene	8.548	91	137535	8.649	ug/L		99
75)	1,1,1,2-Tetrachloroethane	8.568	131	25604	8.496	ug/L		96
76)	p/m Xylene	8.657	106	108046	18.267	ug/L		98
77)	o Xylene	8.942	106	100942	17.479	ug/L		94
78)	Styrene	8.978	104	168445	18.066	ug/L		91
80)	Bromoform	8.981	173	14359	8.329	ug/L		95
82)	Isopropylbenzene	9.154	105	138385	8.779	ug/L		99
84)	Bromobenzene	9.371	156	31935	8.162	ug/L		99
85)	n-Propylbenzene	9.410	91	171522	9.020	ug/L		98
87)	1,1,2,2-Tetrachloroethane	9.463	83	22057	7.722	ug/L		98
88)	4-Ethyltoluene	9.480	105	133489	8.582	ug/L		98
89)	2-Chlorotoluene	9.491	91	113890	8.570	ug/L		97
90)	1,3,5-Trimethylbenzene	9.536	105	107396	7.986	ug/L		92
91)	1,2,3-Trichloropropane	9.530	75	17591	7.665	ug/L		97
92)	trans-1,4-Dichloro-2-b...	9.564	53	6121	7.663	ug/L	#	87
93)	4-Chlorotoluene	9.594	91	99252	8.324	ug/L		95
94)	tert-Butylbenzene	9.723	119	99562	8.579	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A28.D
 Acq On : 13 Sep 2022 03:31 pm
 Operator : VOA130:PD
 Sample : WG1686411-6,31,10,10,,c2
 Misc : WG1686411,ICAL19274
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 13 19:19:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.764	105	103726	7.843	ug/L	96
98)	sec-Butylbenzene	9.826	105	157485	9.059	ug/L	100
99)	p-Isopropyltoluene	9.915	119	127463	8.566	ug/L	98
100)	1,3-Dichlorobenzene	9.940	146	63432	8.450	ug/L	98
101)	1,4-Dichlorobenzene	9.993	146	62938	8.338	ug/L	99
102)	p-Diethylbenzene	10.124	119	72319	8.025	ug/L	96
103)	n-Butylbenzene	10.155	91	121000	8.756	ug/L	99
104)	1,2-Dichlorobenzene	10.233	146	57088	8.113	ug/L	97
105)	1,2,4,5-Tetramethylben...	10.579	119	86856	6.306	ug/L	97
106)	1,2-Dibromo-3-chloropr...	10.690	155	3079	8.407	ug/L	95
108)	Hexachlorobutadiene	11.056	225	21524	7.927	ug/L	96
109)	1,2,4-Trichlorobenzene	11.064	180	39905	7.662	ug/L	98
110)	Naphthalene	11.245	128	67045	7.159	ug/L	100
111)	1,2,3-Trichlorobenzene	11.348	180	34947	7.566	ug/L	99

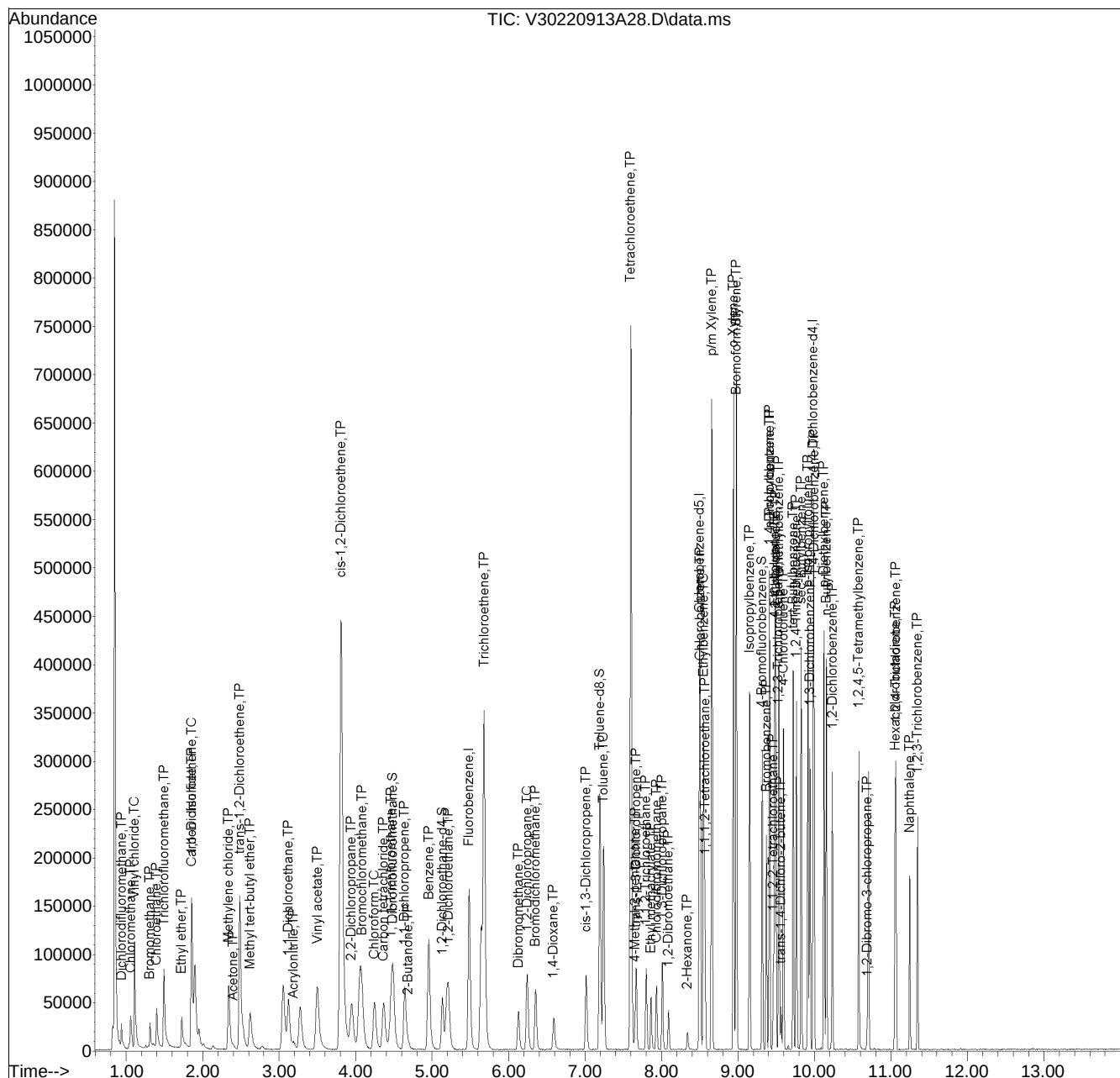
(#) = qualifier out of range (m) = manual integration (+) = signals summed

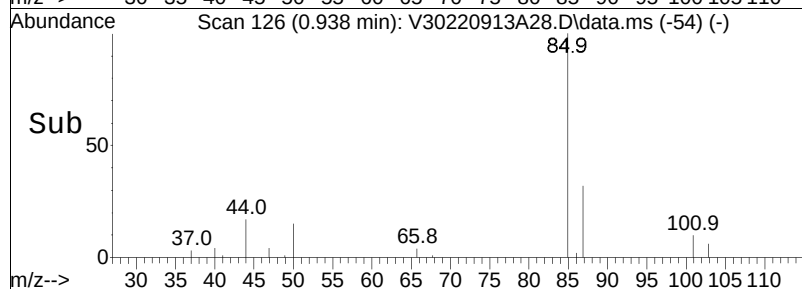
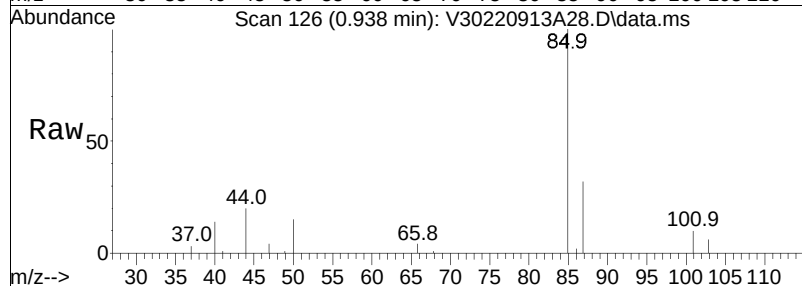
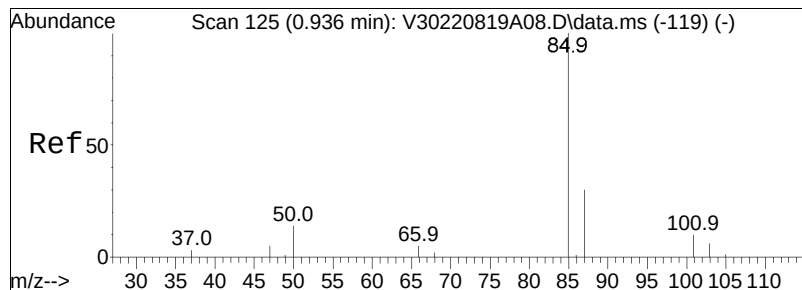
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A28.D
 Acq On : 13 Sep 2022 03:31 pm
 Operator : VOA130:PD
 Sample : WG1686411-6,31,10,10,,c2
 Misc : WG1686411,ICAL19274
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 13 19:19:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20913A\V30220913A02.D•





#2

Dichlorodifluoromethane

Concen: 5.05 ug/L

RT: 0.938 min Scan# 126

Delta R.T. 0.002 min

Lab File: V30220913A28.D

Acq: 13 Sep 2022 03:31 pm

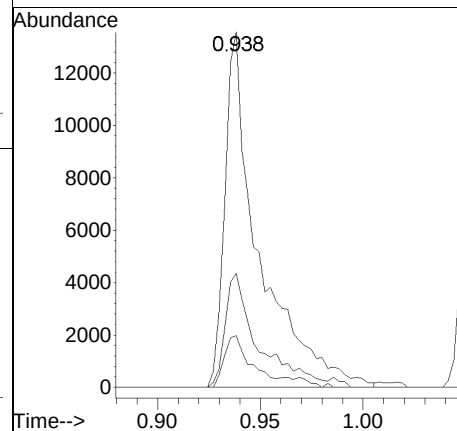
Tgt Ion: 85 Resp: 15624

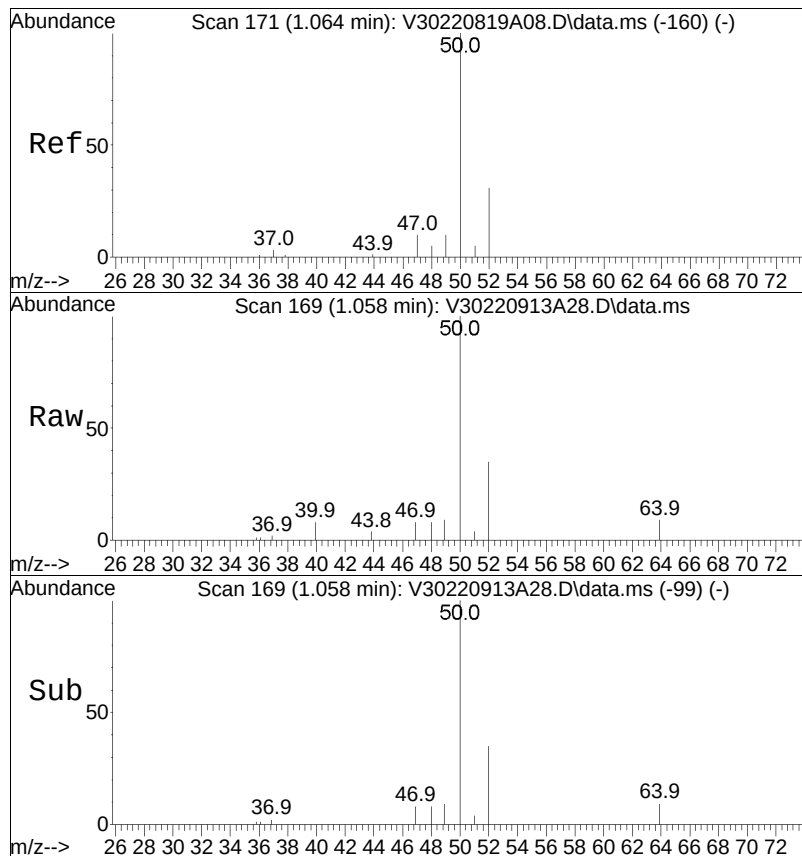
Ion Ratio Lower Upper

85 100

87 31.3 21.0 43.6

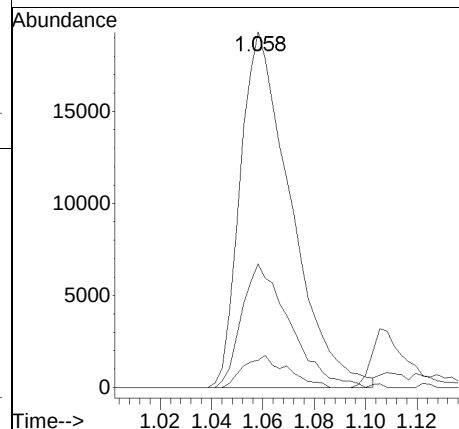
50 11.4 8.9 18.5

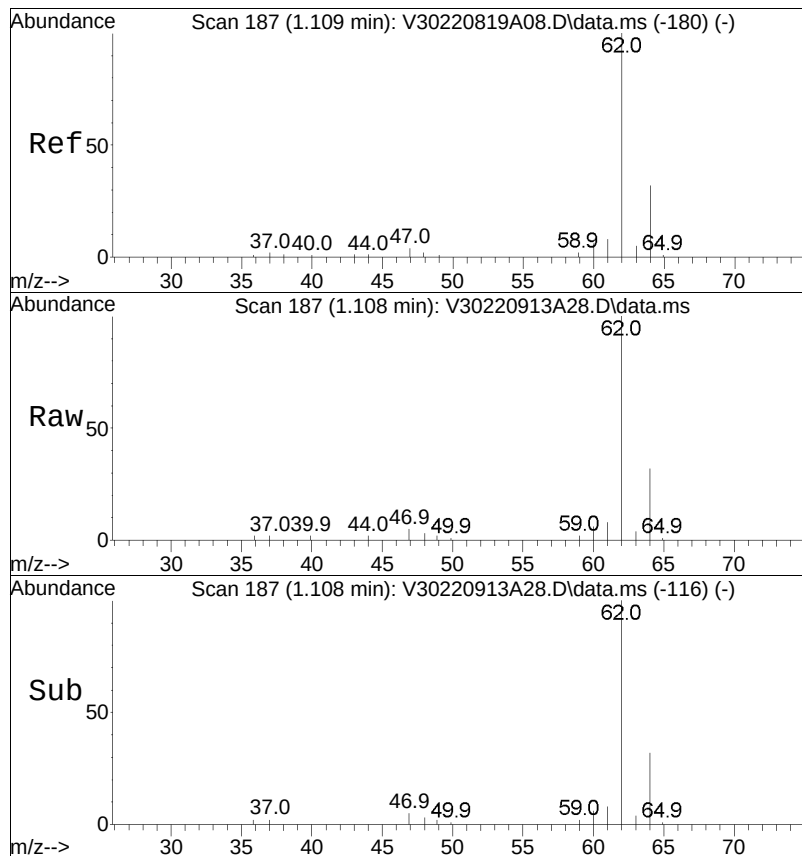




#3
Chloromethane
Concen: 7.38 ug/L
RT: 1.058 min Scan# 169
Delta R.T. -0.006 min
Lab File: V30220913A28.D
Acq: 13 Sep 2022 03:31 pm

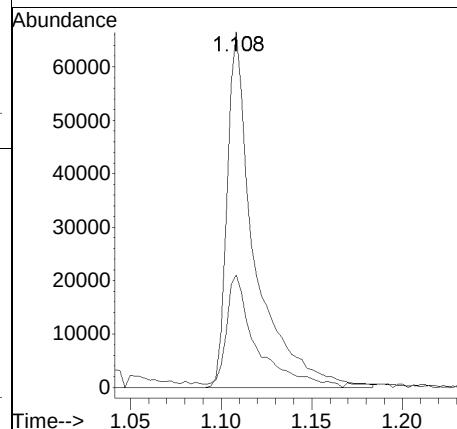
Tgt	Ion: 50	Resp:	26350
Ion	Ratio	Lower	Upper
50	100		
52	33.1	12.9	52.9
47	7.8	0.0	28.3

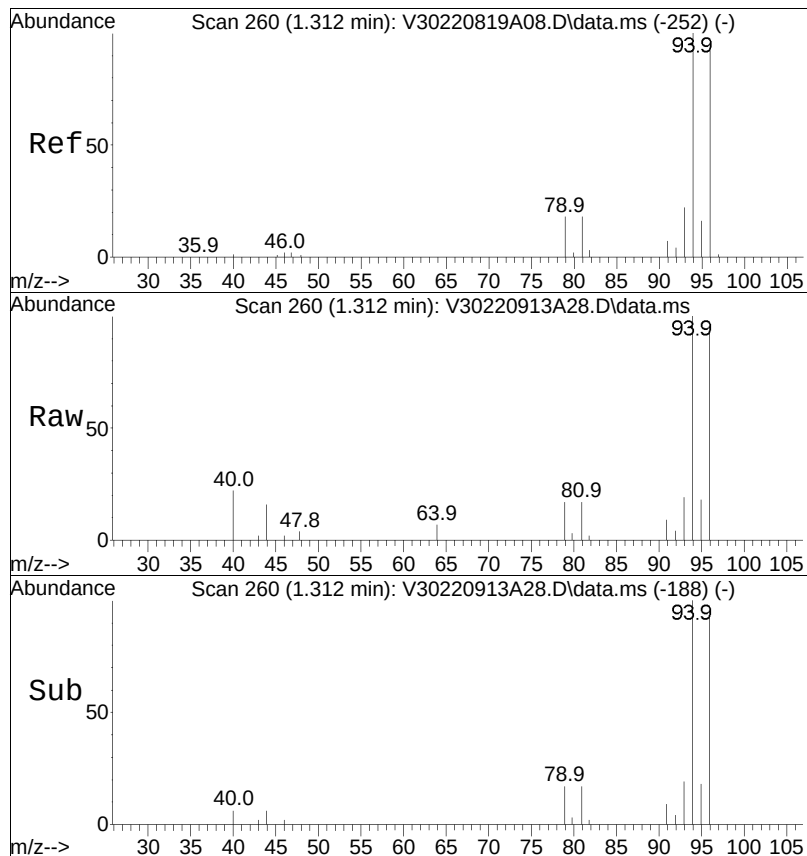




#4
 Vinyl chloride
 Concen: 19.90 ug/L
 RT: 1.108 min Scan# 187
 Delta R.T. -0.001 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

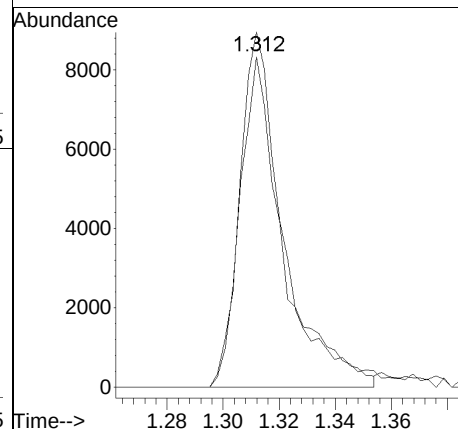
Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.6	9.1	49.1

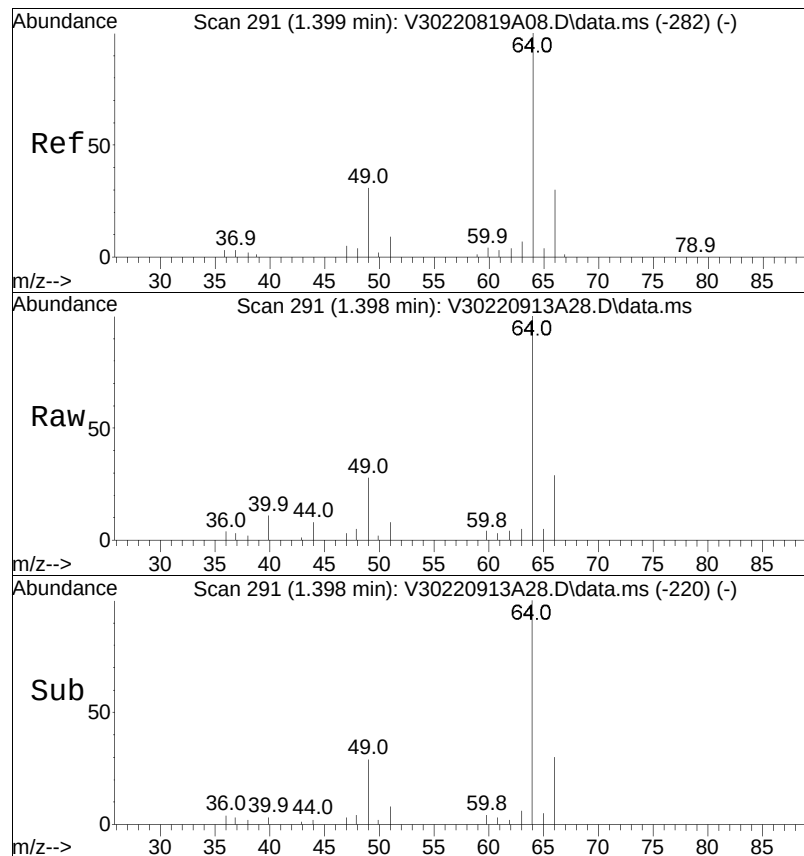




#5
 Bromomethane
 Concen: 3.94 ug/L
 RT: 1.312 min Scan# 260
 Delta R.T. -0.000 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

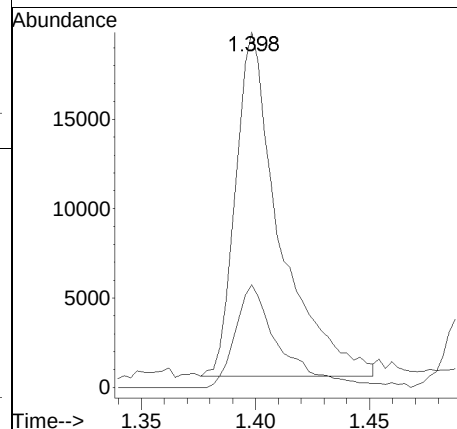
Tgt Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.6	115.6

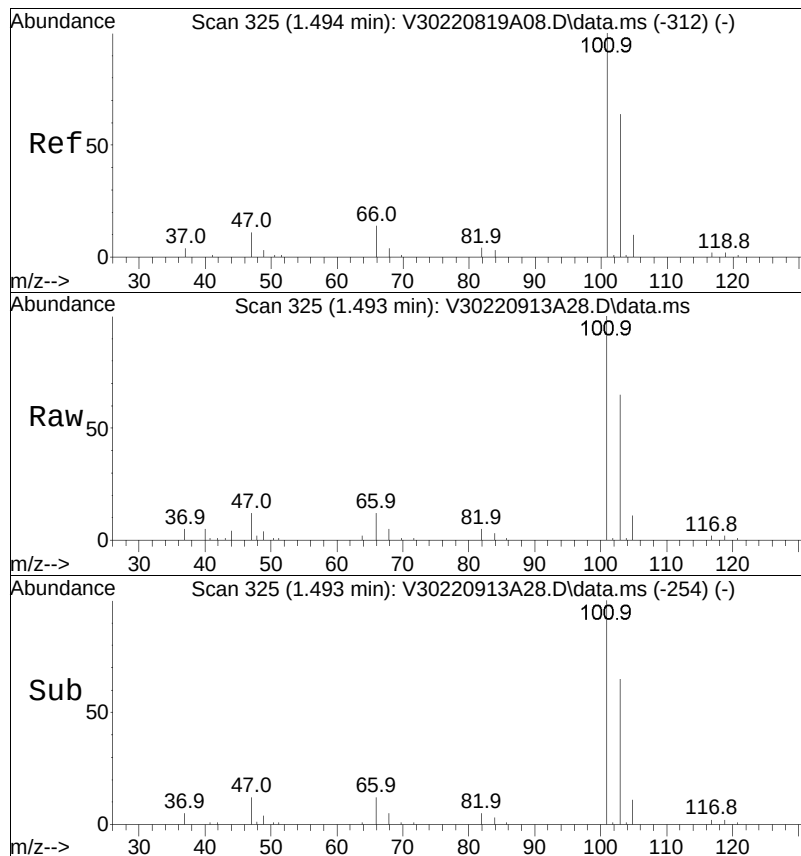




#6
 Chloroethane
 Concen: 11.67 ug/L
 RT: 1.398 min Scan# 291
 Delta R.T. -0.001 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

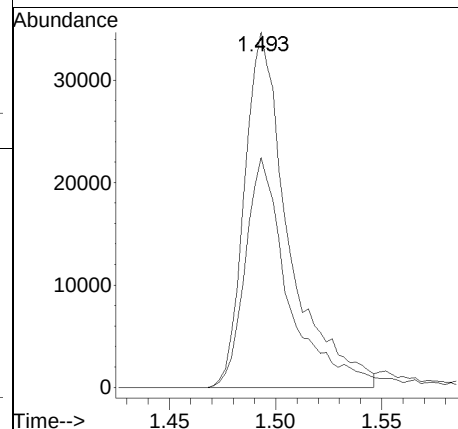
Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.1	9.8	49.8

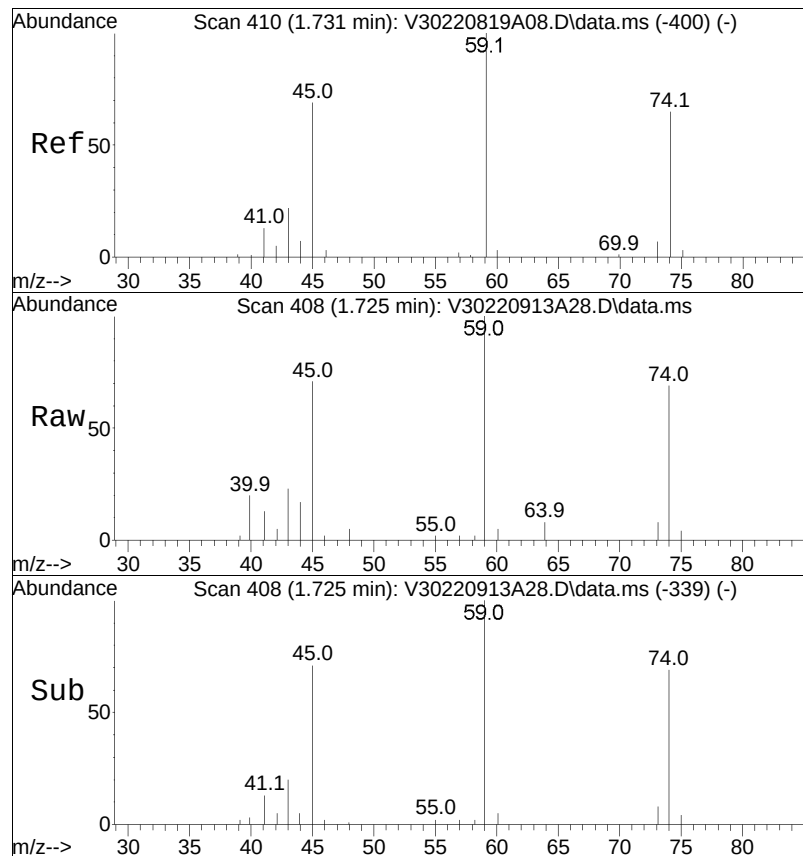




#7
 Trichlorofluoromethane
 Concen: 9.25 ug/L
 RT: 1.493 min Scan# 325
 Delta R.T. -0.001 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

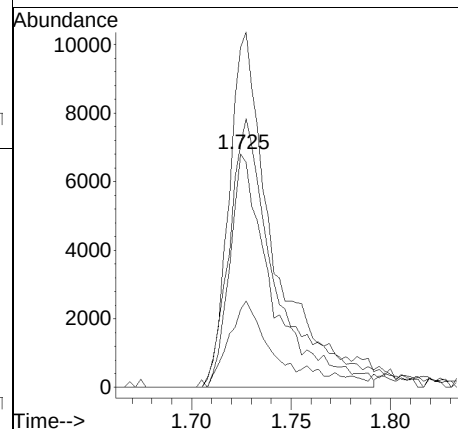
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	64.4	53.8	80.6	

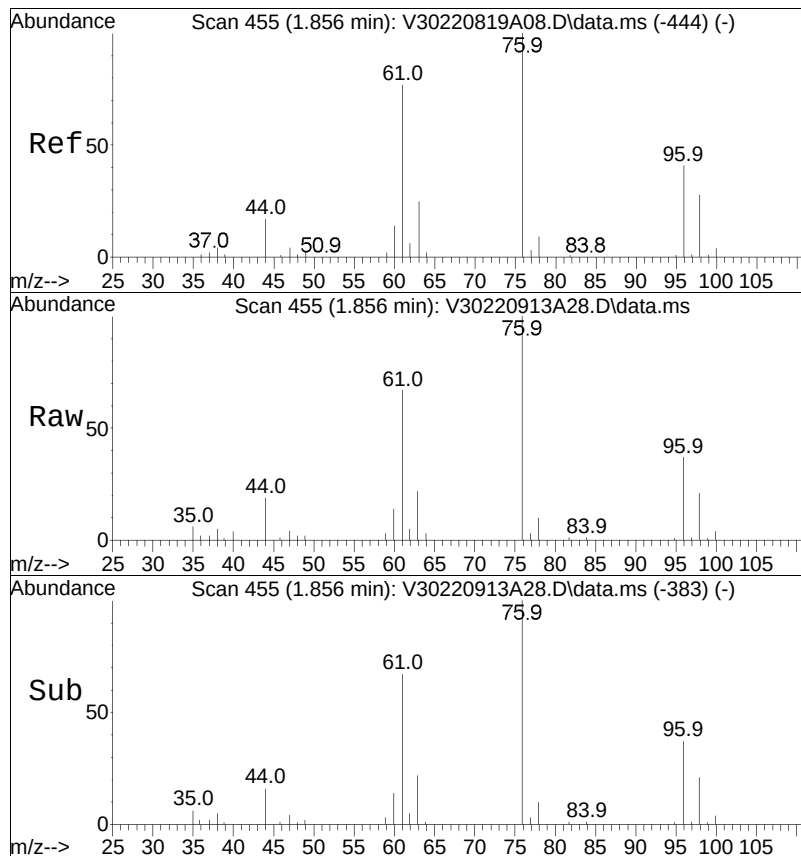




#8
 Ethyl ether
 Concen: 8.03 ug/L
 RT: 1.725 min Scan# 408
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

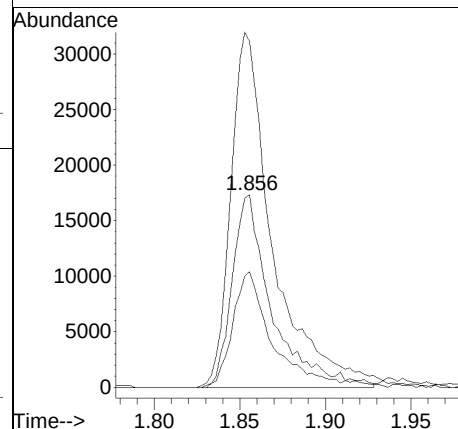
Tgt Ion:	74	Resp:	10314
Ion Ratio	Lower	Upper	
74	100		
59	162.2	122.2	253.8
45	122.1	91.9	190.9
43	34.4	25.2	52.2

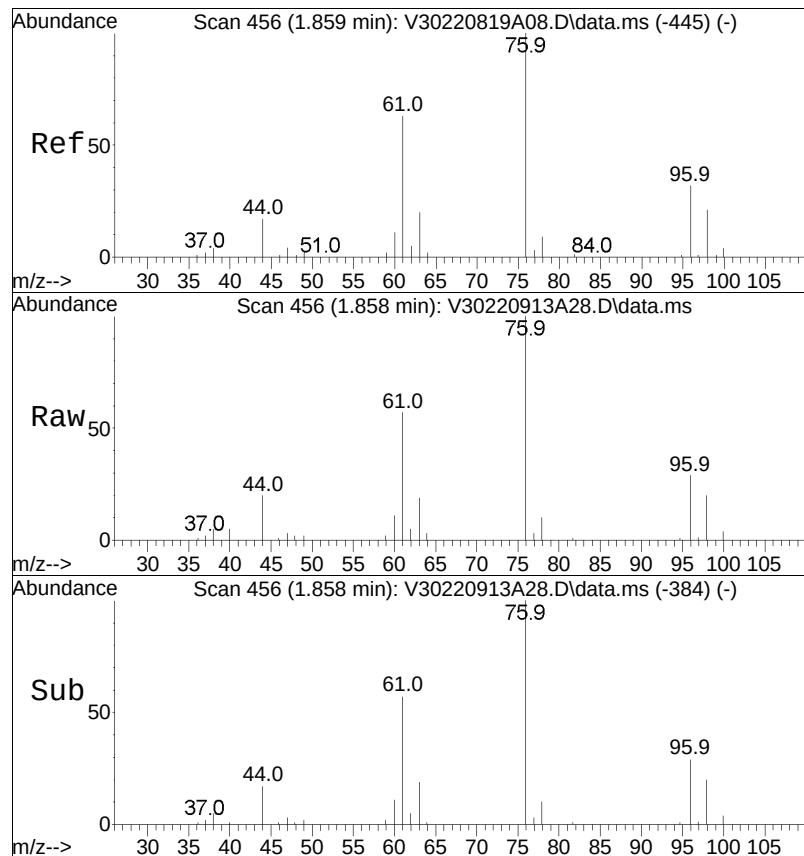




#10
 1,1-Dichloroethene
 Concen: 9.67 ug/L
 RT: 1.856 min Scan# 455
 Delta R.T. -0.000 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

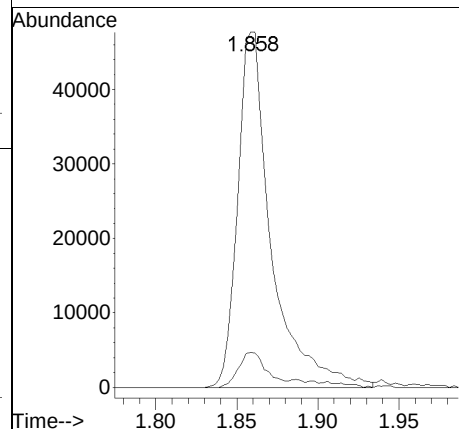
Tgt	Ion	Ratio	Lower	Upper
96	100			
61	194.6	186.1	279.1	
63	60.9	57.6	86.4	

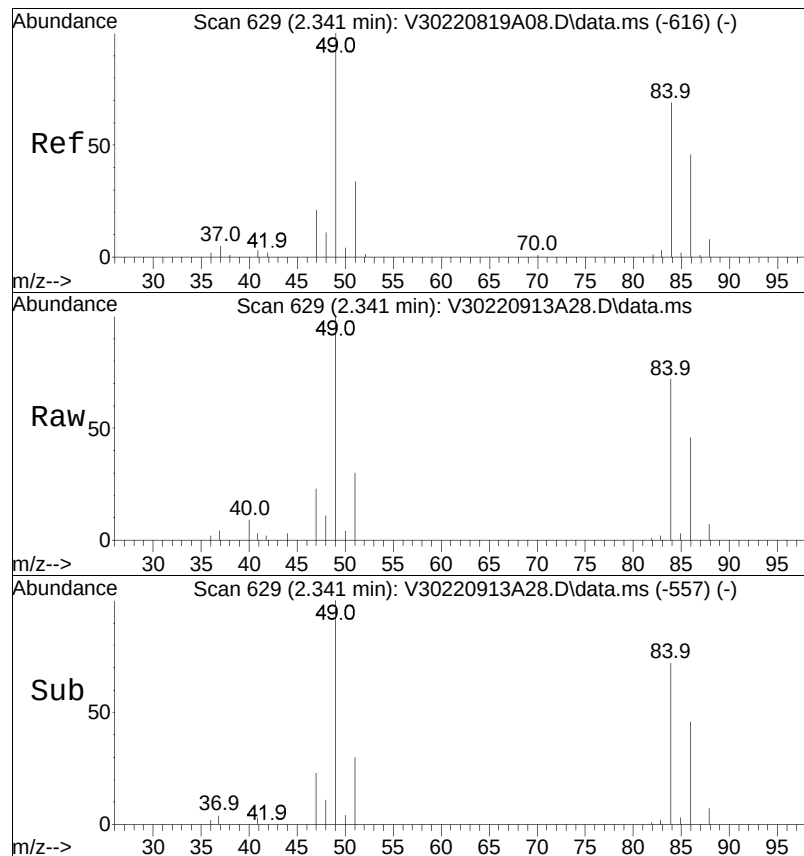




#11
 Carbon disulfide
 Concen: 9.60 ug/L
 RT: 1.858 min Scan# 456
 Delta R.T. -0.001 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

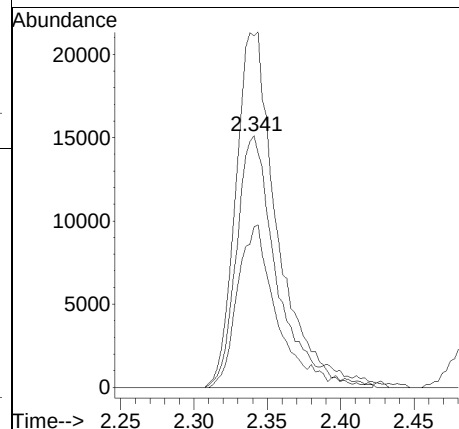
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.3	5.7	11.7

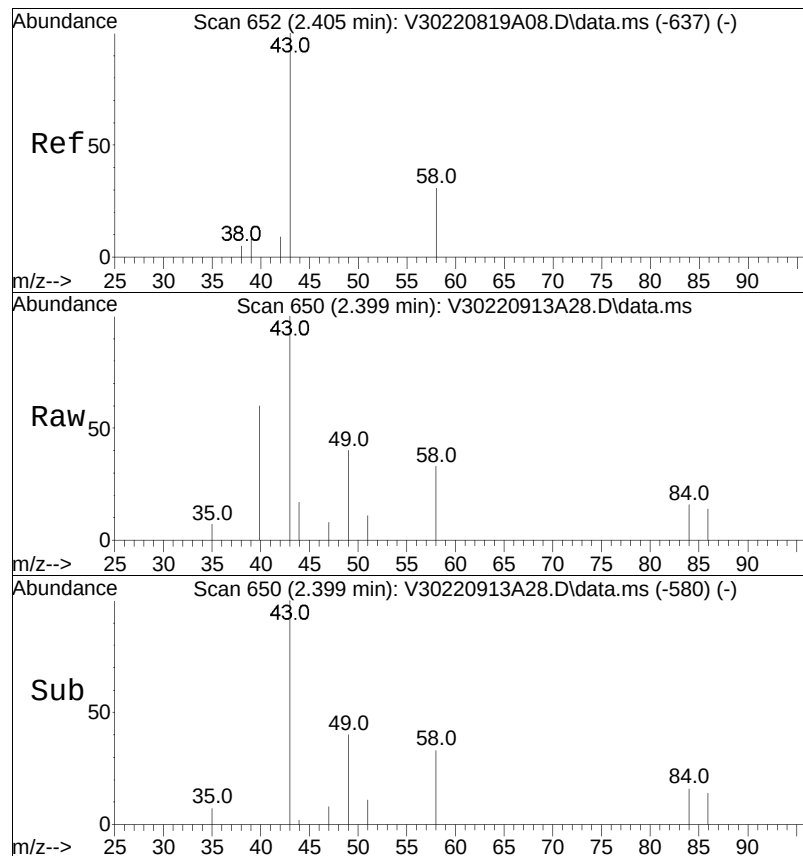




#15
Methylene chloride
Concen: 8.96 ug/L
RT: 2.341 min Scan# 629
Delta R.T. -0.000 min
Lab File: V30220913A28.D
Acq: 13 Sep 2022 03:31 pm

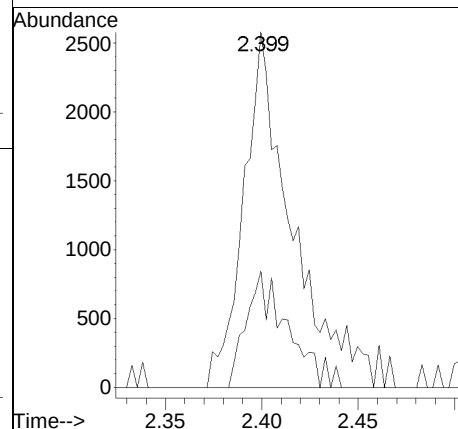
Tgt Ion:	84	Resp:	29084
Ion Ratio	Lower	Upper	
84	100		
86	63.8	40.4	83.8
49	144.5	120.0	249.2

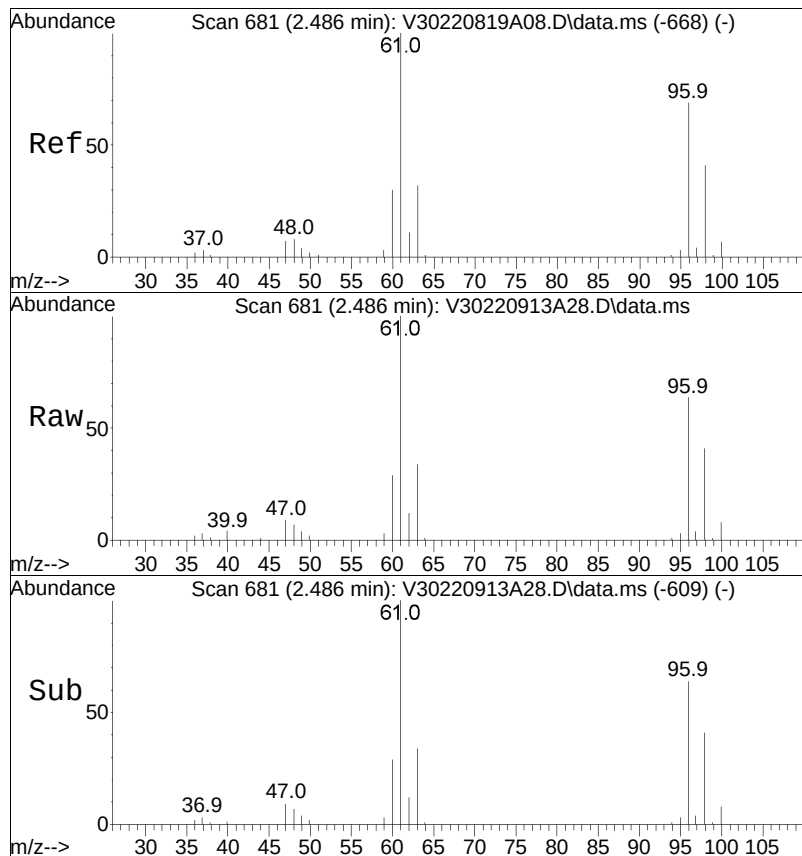




#17
 Acetone
 Concen: 8.97 ug/L
 RT: 2.399 min Scan# 650
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

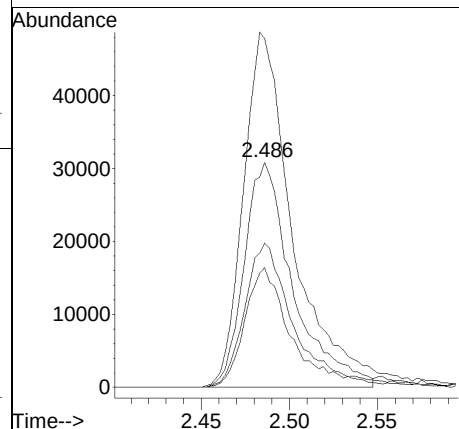
Tgt Ion:	43	58	Ratio	100	26.7	Resp:	4499	Lower	Upper
								24.2	36.4

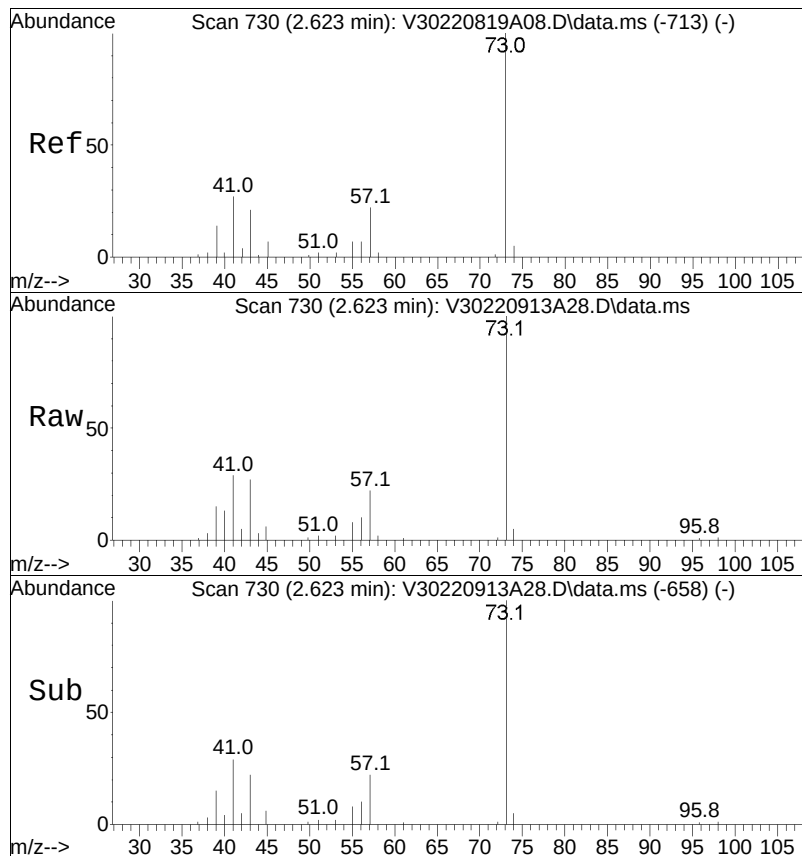




#18
 trans-1,2-Dichloroethene
 Concen: 19.08 ug/L
 RT: 2.486 min Scan# 681
 Delta R.T. -0.000 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

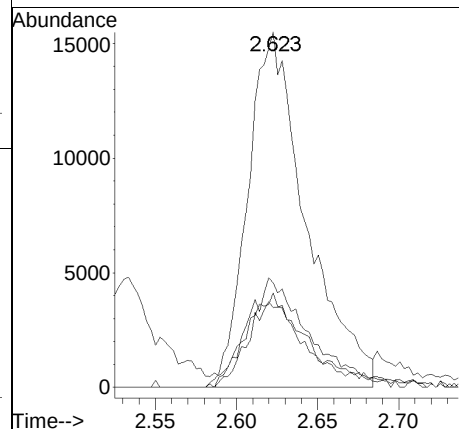
Tgt Ion:	96	Resp:	59758
Ion Ratio	Lower	Upper	
96	100		
61	162.1	124.0	257.6
98	65.9	41.2	85.6
63	50.8	38.4	79.7

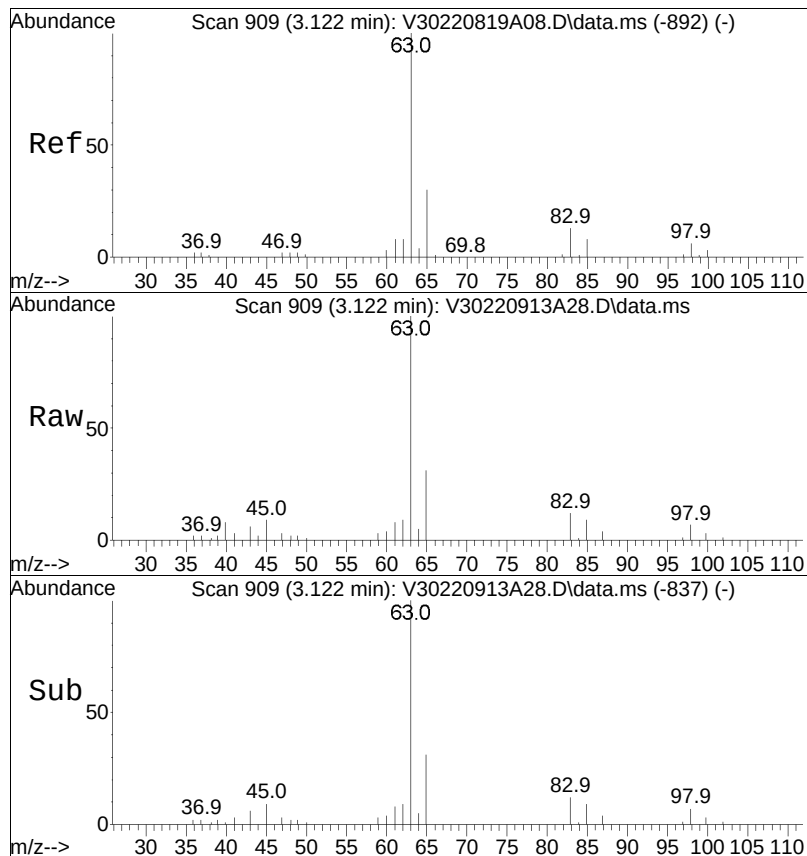




#20
Methyl tert-butyl ether
Concen: 6.36 ug/L
RT: 2.623 min Scan# 730
Delta R.T. -0.000 min
Lab File: V30220913A28.D
Acq: 13 Sep 2022 03:31 pm

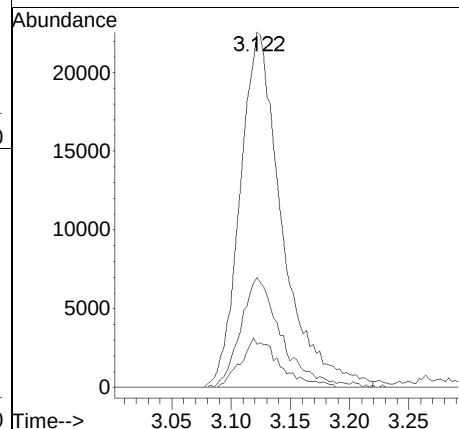
Tgt Ion:	73	Resp:	38778
Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.5	36.3
43	22.8	15.3	31.9
41	32.8	15.3	31.7#

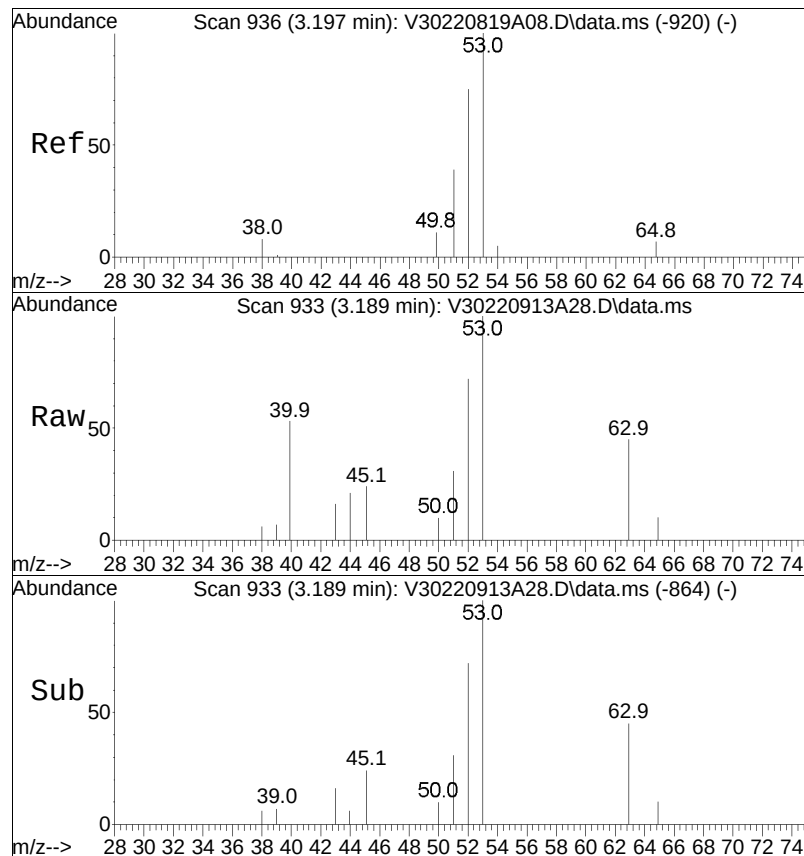




#23
 1,1-Dichloroethane
 Concen: 8.90 ug/L
 RT: 3.122 min Scan# 909
 Delta R.T. -0.000 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

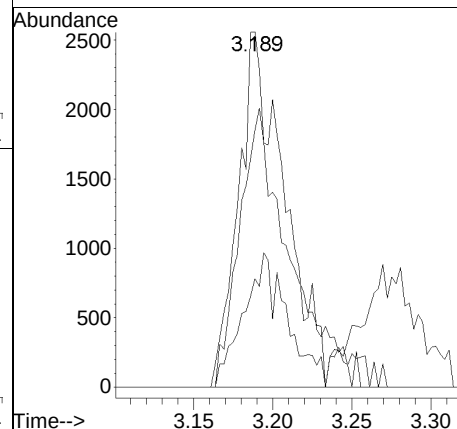
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	55691		
65	29.9		11.0	51.0
83	12.9		0.0	31.8

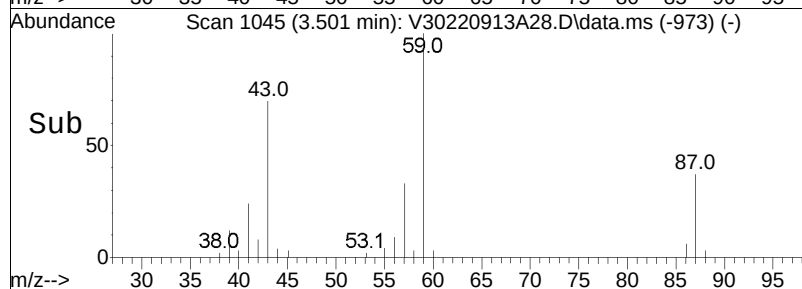
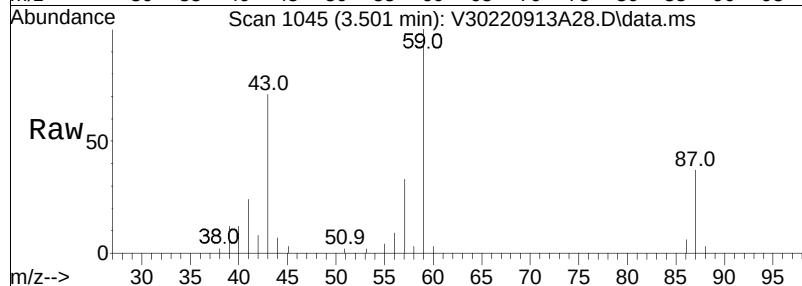
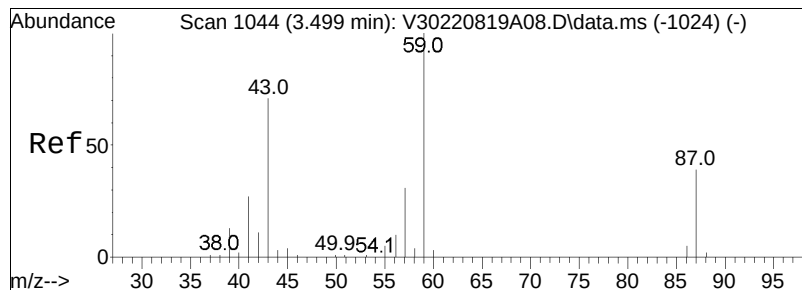




#25
 Acrylonitrile
 Concen: 8.47 ug/L M1
 RT: 3.189 min Scan# 933
 Delta R.T. -0.008 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

Tgt Ion	Ratio	Lower	Upper
53	100		
52	72.8	66.7	100.1
51	20.8	30.6	46.0





#27

Vinyl acetate

Concen: 6.69 ug/L

RT: 3.501 min Scan# 1045

Delta R.T. 0.002 min

Lab File: V30220913A28.D

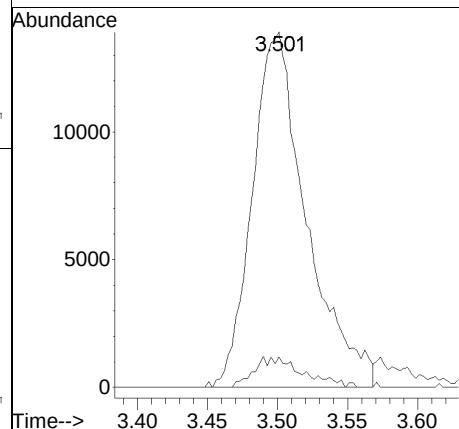
Acq: 13 Sep 2022 03:31 pm

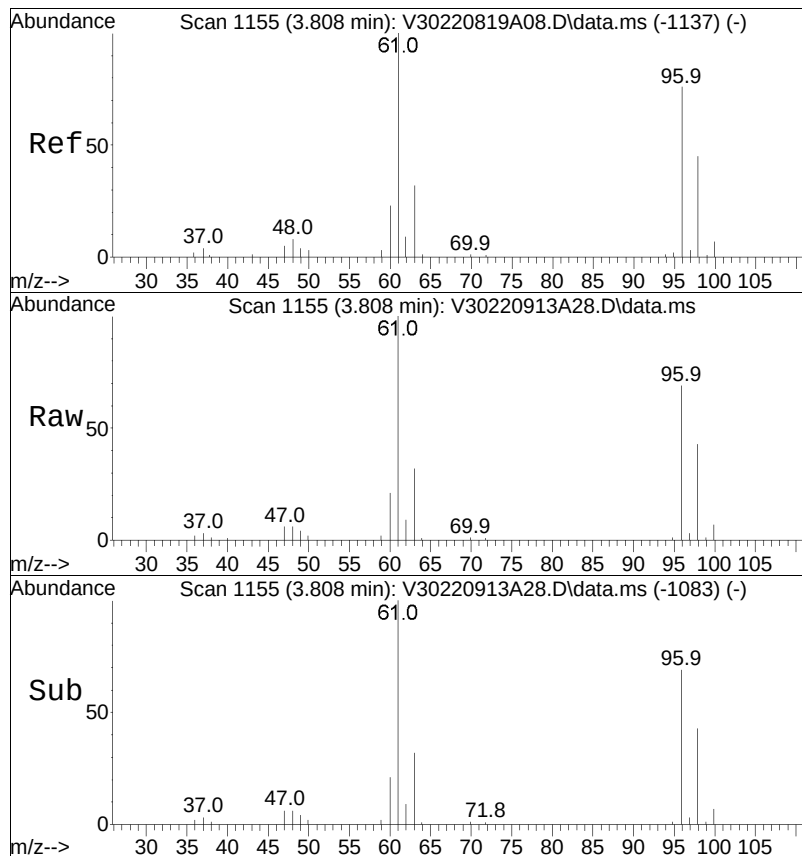
Tgt Ion: 43 Resp: 37419

Ion Ratio Lower Upper

43 100

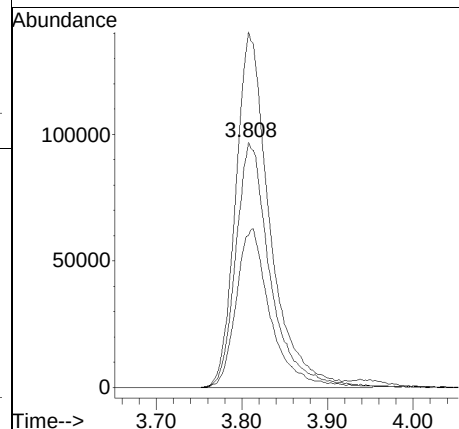
86 2.4 5.2 7.8#

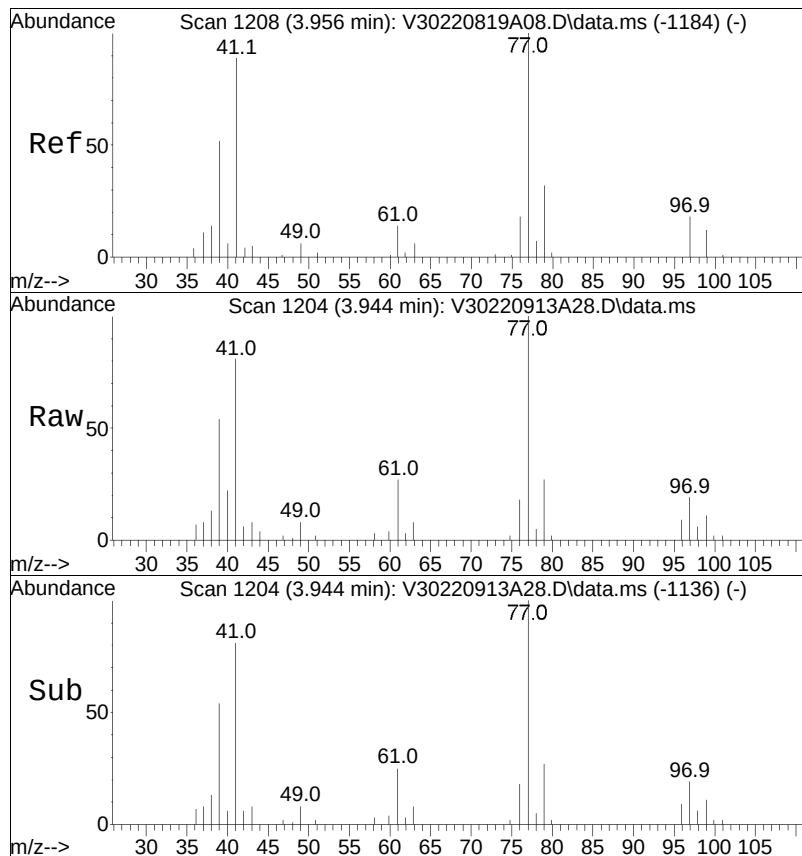




#28
 cis-1,2-Dichloroethene
 Concen: 75.41 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

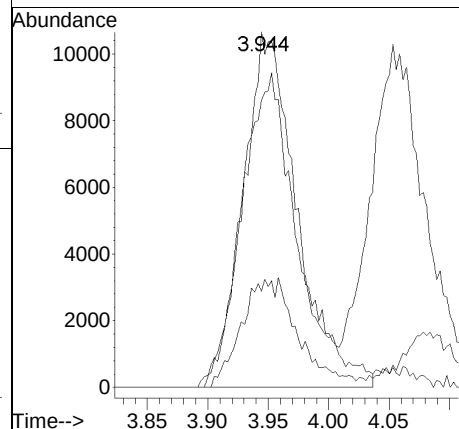
Tgt Ion:	96	Resp:	271294
Ion Ratio	100	Lower	Upper
61	142.7	149.4	224.2#
98	64.2	53.4	80.2

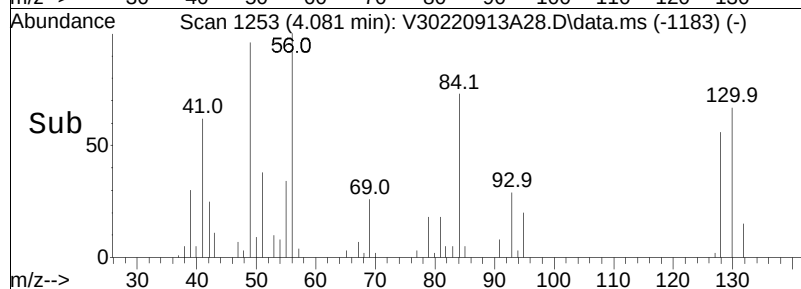
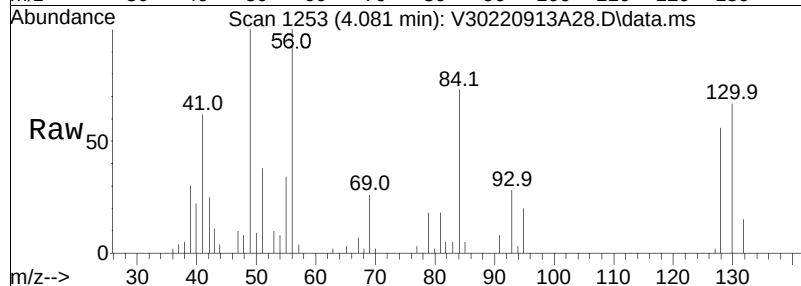
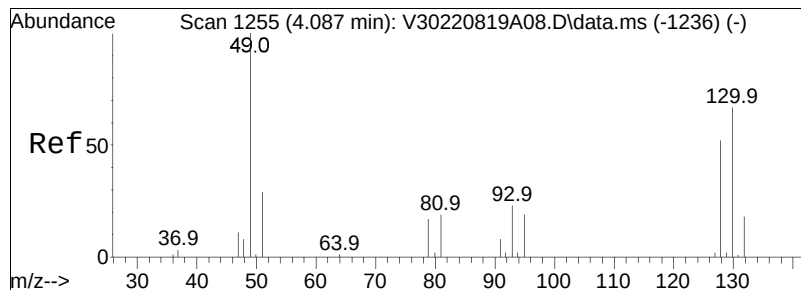




#29
 2,2-Dichloropropane
 Concen: 8.04 ug/L
 RT: 3.944 min Scan# 1204
 Delta R.T. -0.012 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

Tgt Ion:	77	Resp:	33164
Ion Ratio	Lower	Upper	
77	100		
41	87.9	38.0	78.8#
79	18.5	20.5	42.5#





#30

Bromochloromethane

Concen: 8.38 ug/L

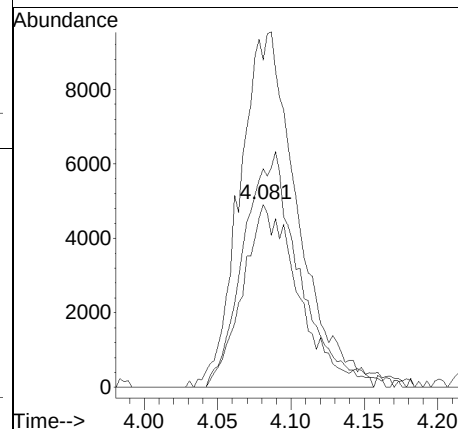
RT: 4.081 min Scan# 1253

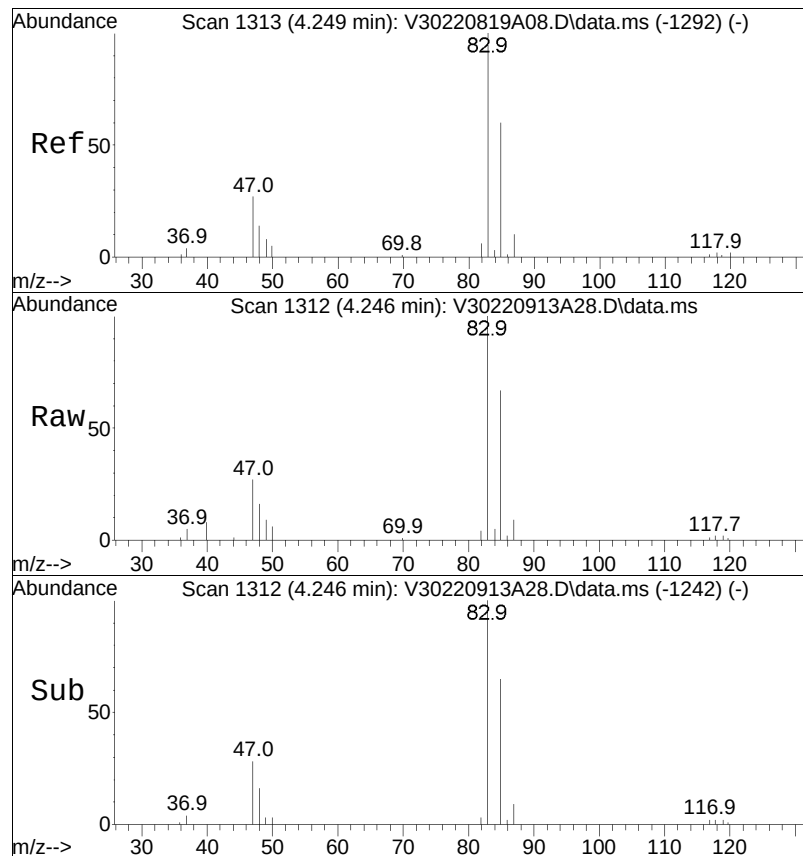
Delta R.T. -0.006 min

Lab File: V30220913A28.D

Acq: 13 Sep 2022 03:31 pm

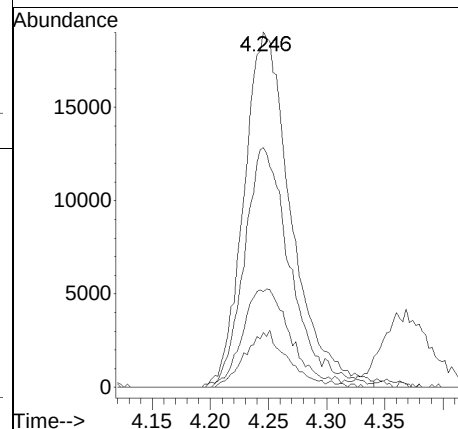
Tgt	Ion:128	Resp:	13116
Ion	Ratio	Lower	Upper
128	100		
49	203.1	223.0	334.4#
130	129.1	111.4	167.0

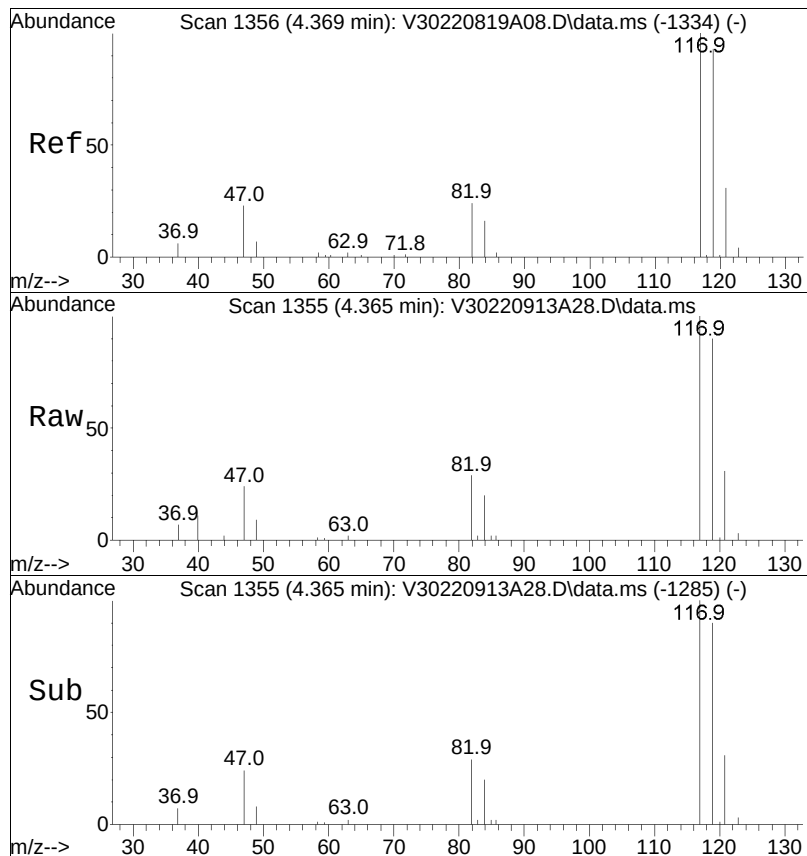




#32
 Chloroform
 Concen: 8.82 ug/L
 RT: 4.246 min Scan# 1312
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

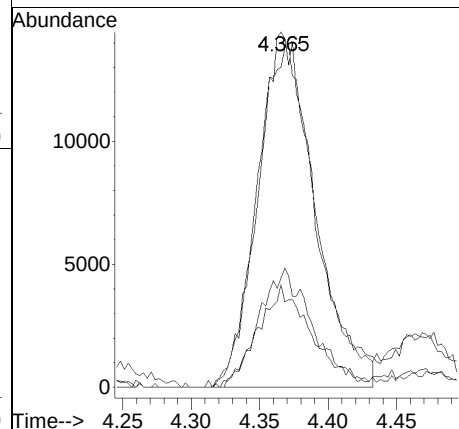
Tgt Ion:	83	Resp:	54090
Ion Ratio	Lower	Upper	
83	100		
85	63.3	41.5	86.1
47	27.6	19.0	39.4
48	14.3	9.9	20.5

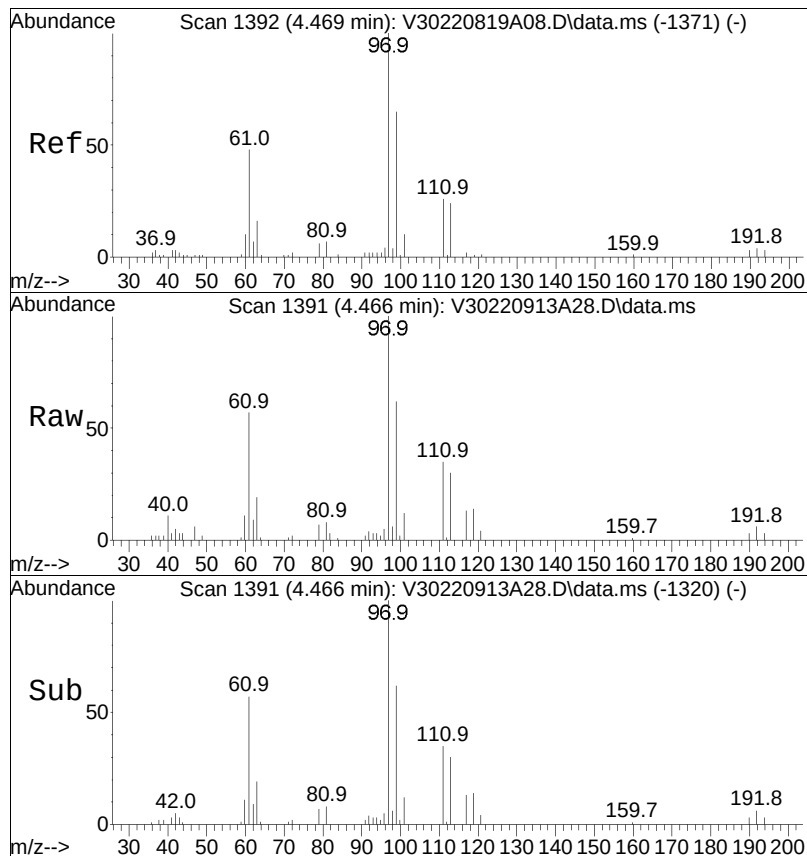




#34
 Carbon tetrachloride
 Concen: 9.66 ug/L
 RT: 4.365 min Scan# 1355
 Delta R.T. -0.004 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

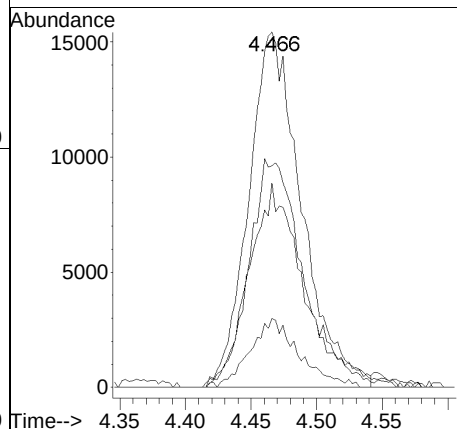
Tgt Ion:	117	Resp:	42086
Ion Ratio	Lower	Upper	
117	100		
119	99.2	62.4	129.6
121	31.5	19.5	40.5
82	26.9	17.0	35.4

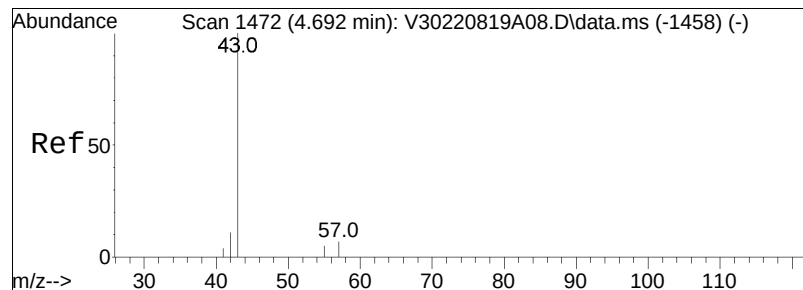




#37
 1,1,1-Trichloroethane
 Concen: 8.52 ug/L
 RT: 4.466 min Scan# 1391
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

Tgt Ion:	97	Resp:	43426
Ion Ratio	Lower	Upper	
97	100		
99	65.7	40.7	84.5
61	59.6	35.4	73.4
63	17.6	5.0	10.4#





#39

2-Butanone

Concen: 8.53 ug/L

RT: 4.683 min Scan# 1469

Delta R.T. -0.009 min

Lab File: V30220913A28.D

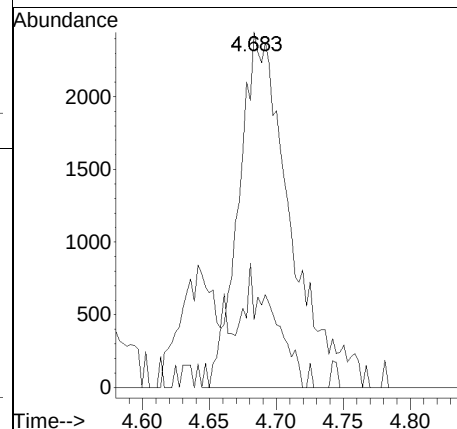
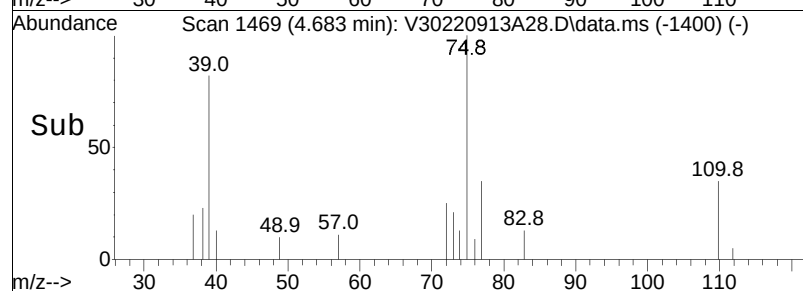
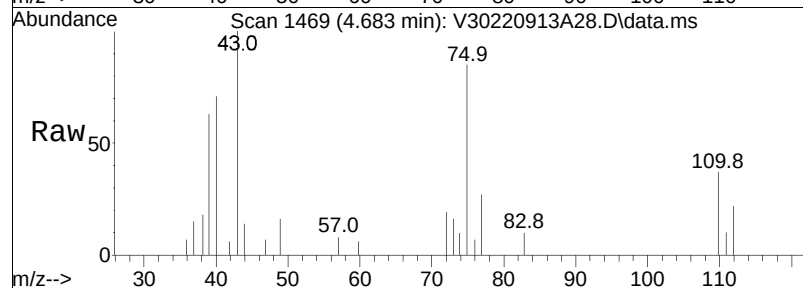
Acq: 13 Sep 2022 03:31 pm

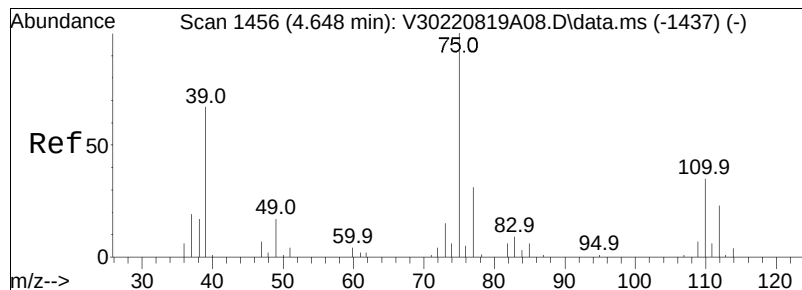
Tgt Ion: 43 Resp: 6549

Ion Ratio Lower Upper

43 100

72 3.8 10.9 16.3#





#40

1,1-Dichloropropene

Concen: 9.09 ug/L

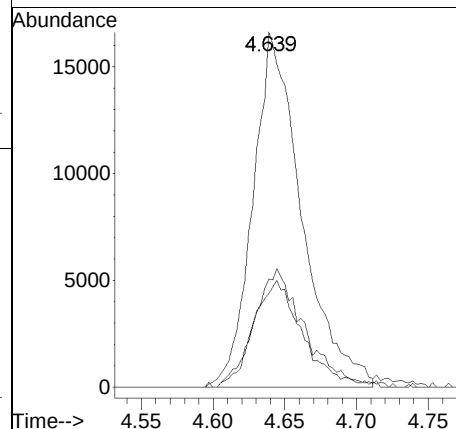
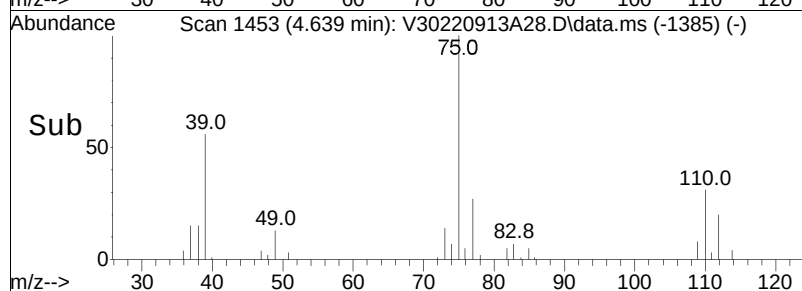
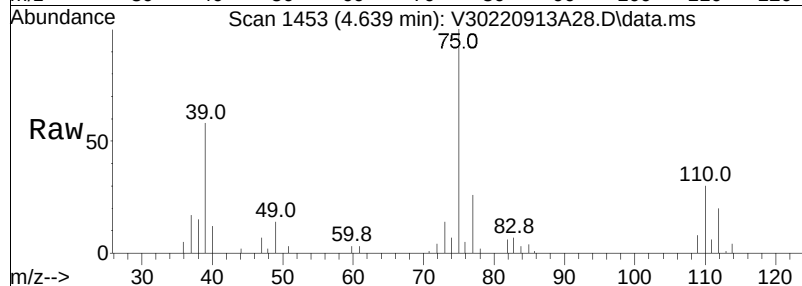
RT: 4.639 min Scan# 1453

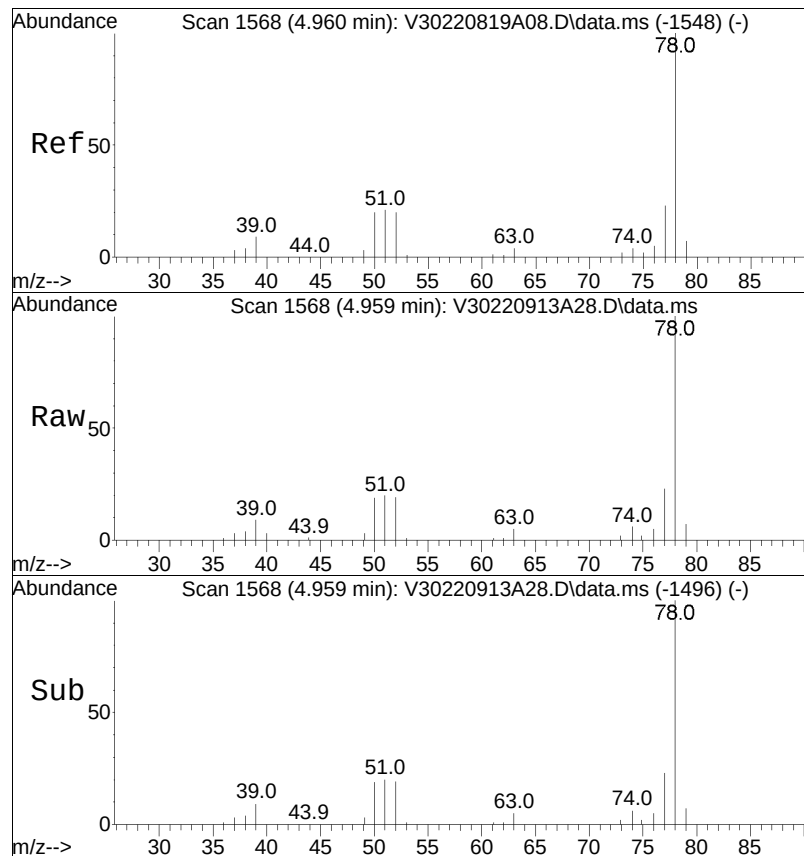
Delta R.T. -0.009 min

Lab File: V30220913A28.D

Acq: 13 Sep 2022 03:31 pm

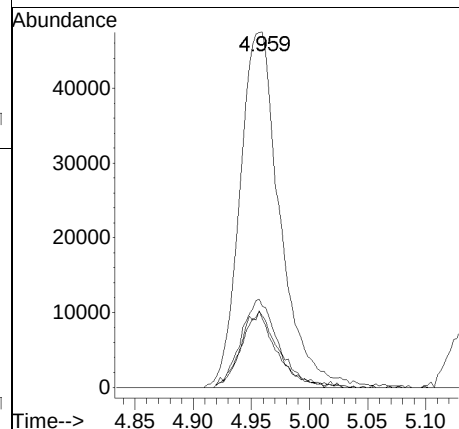
Tgt Ion:	75	Resp:	39422
Ion Ratio	Lower	Upper	
75	100		
110	34.2	20.2	41.9
77	30.2	20.1	41.7

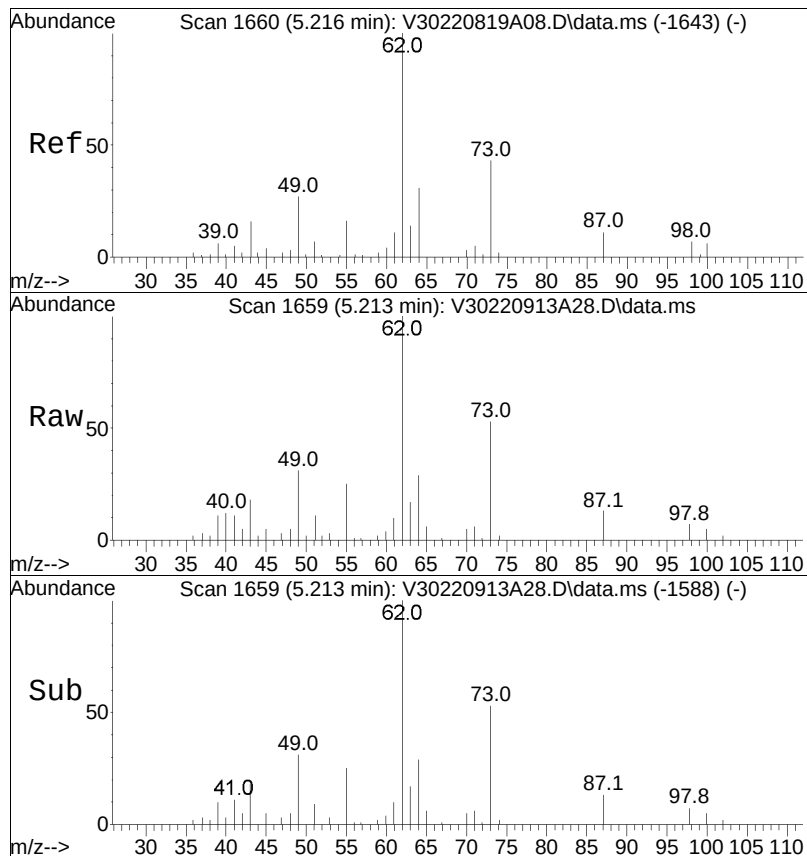




#41
Benzene
Concen: 8.82 ug/L
RT: 4.959 min Scan# 1568
Delta R.T. -0.001 min
Lab File: V30220913A28.D
Acq: 13 Sep 2022 03:31 pm

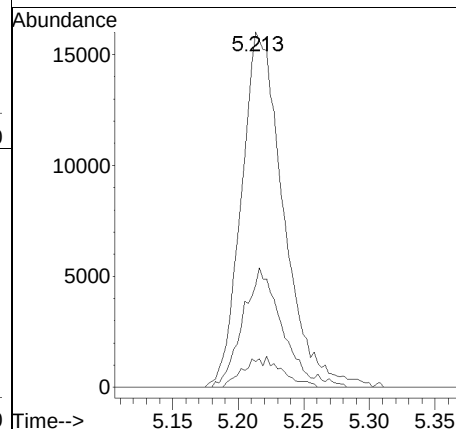
Tgt	Ion: 78	Resp:	113708
Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.7	32.7
51	19.9	16.0	33.2
52	18.6	15.3	31.9

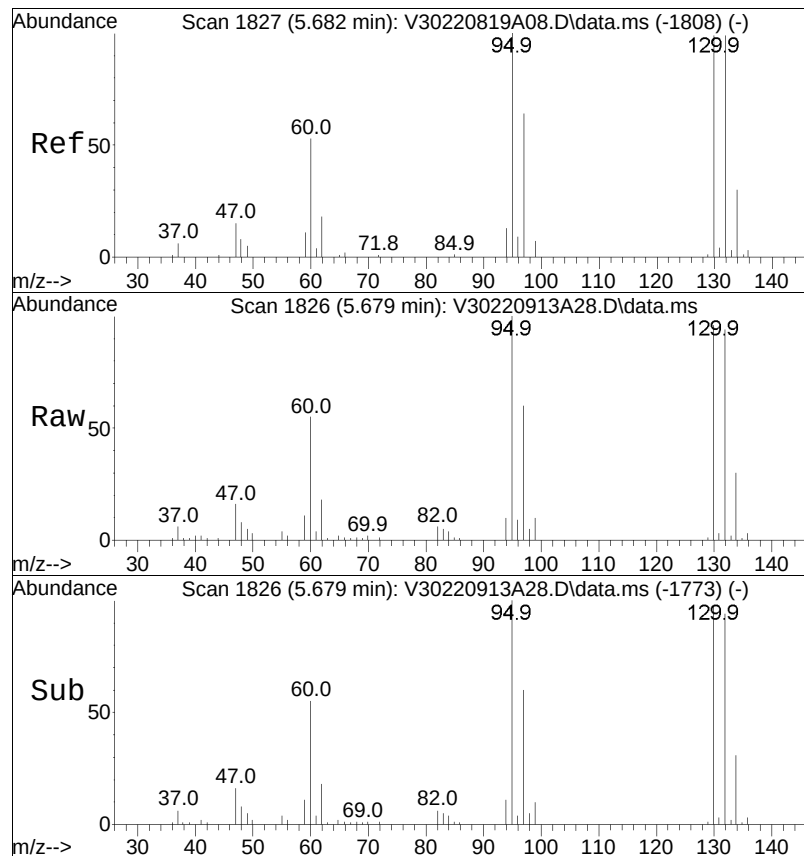




#44
 1,2-Dichloroethane
 Concen: 7.93 ug/L
 RT: 5.213 min Scan# 1659
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

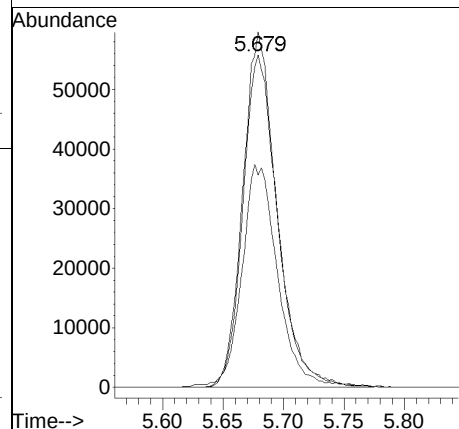
Tgt Ion:	62	Resp:	35813
Ion Ratio	Lower	Upper	
62	100		
64	30.8	11.2	51.2
98	4.1	0.0	26.1

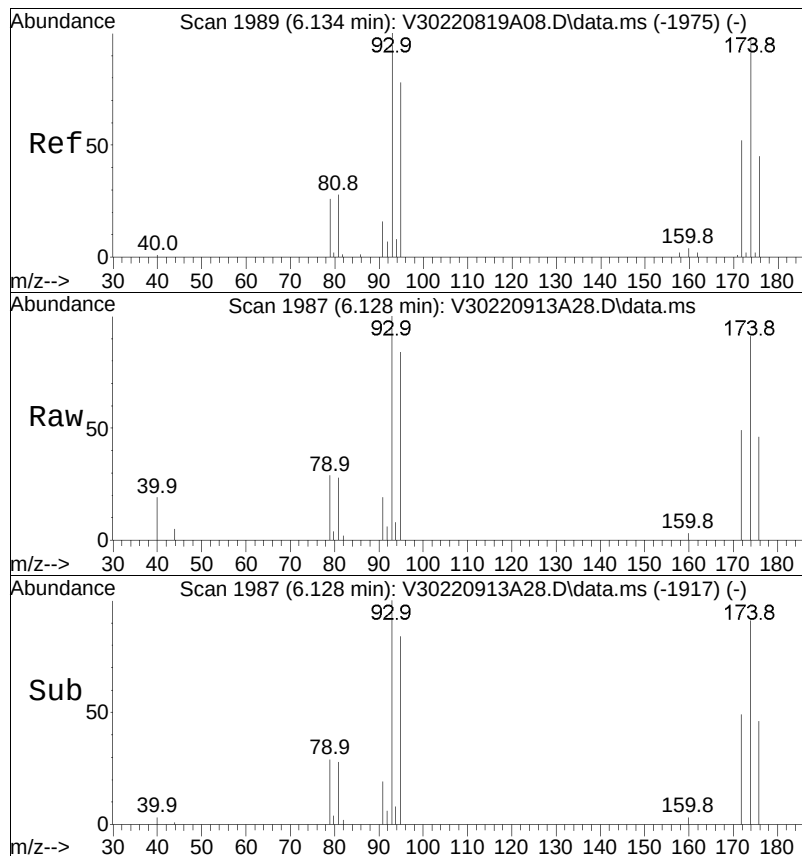




#48
 Trichloroethene
 Concen: 35.04 ug/L
 RT: 5.679 min Scan# 1826
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

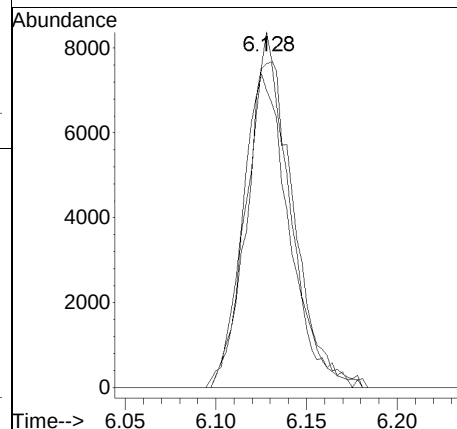
Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.7	55.5	83.3
132	95.1	76.6	115.0

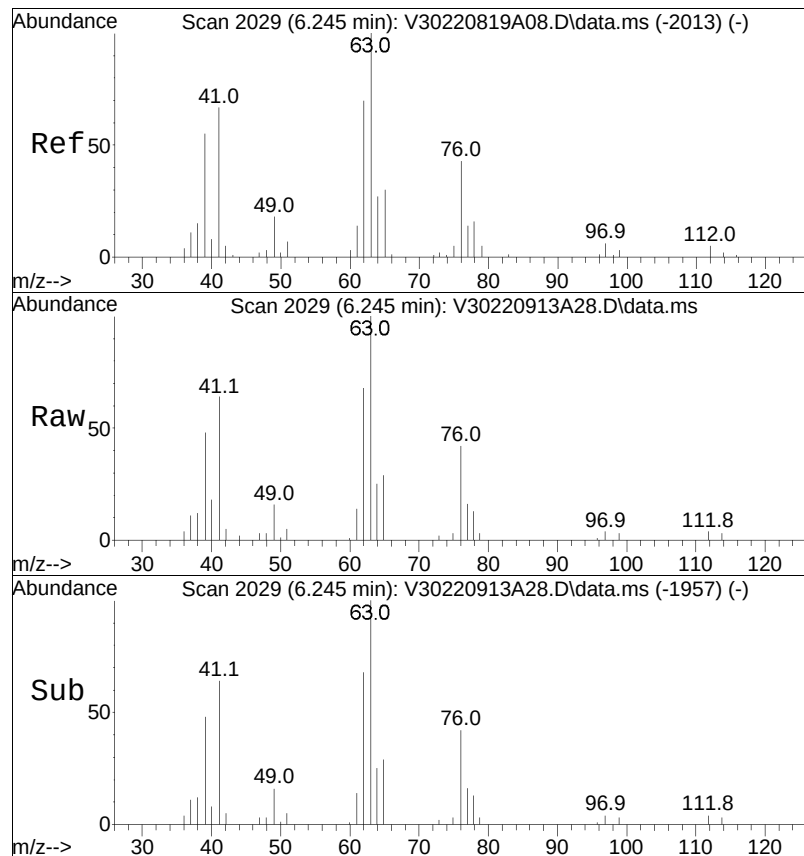




#50
 Dibromomethane
 Concen: 8.10 ug/L
 RT: 6.128 min Scan# 1987
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

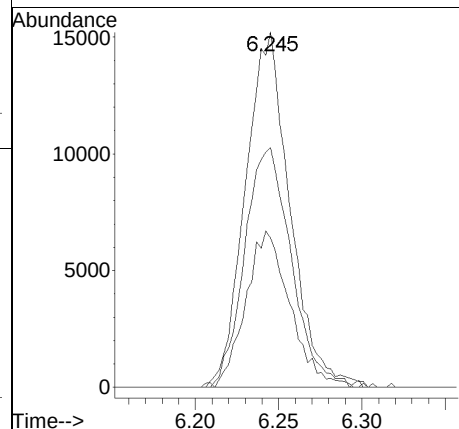
Tgt Ion:	93	Resp:	14479
Ion Ratio	Lower	Upper	
93	100		
95	85.1	67.0	100.4
174	98.0	75.0	112.4

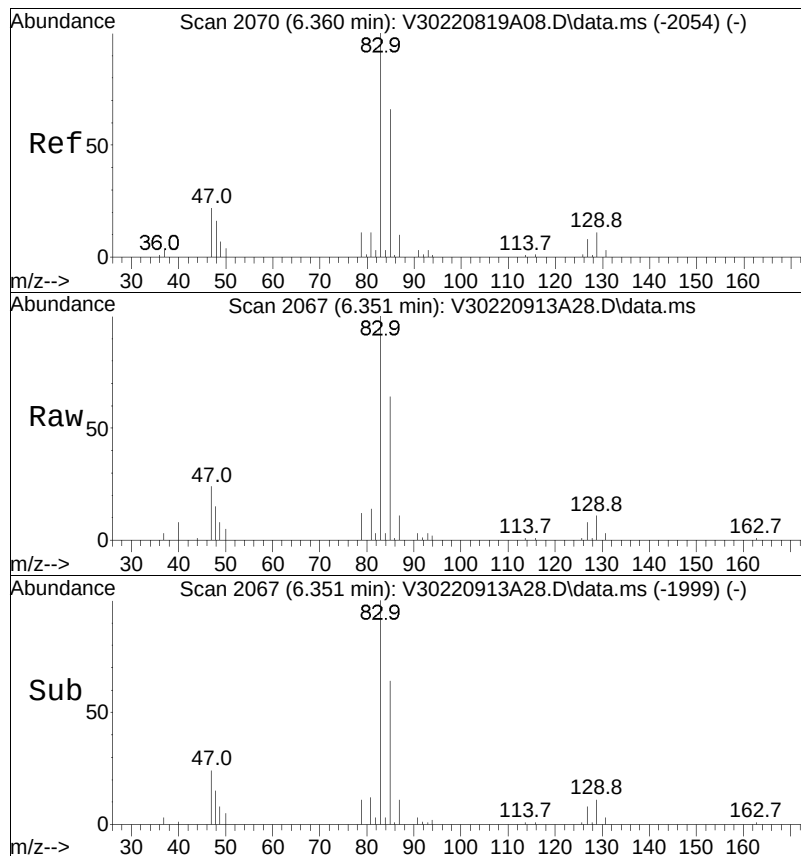




#51
 1,2-Dichloropropane
 Concen: 8.34 ug/L
 RT: 6.245 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

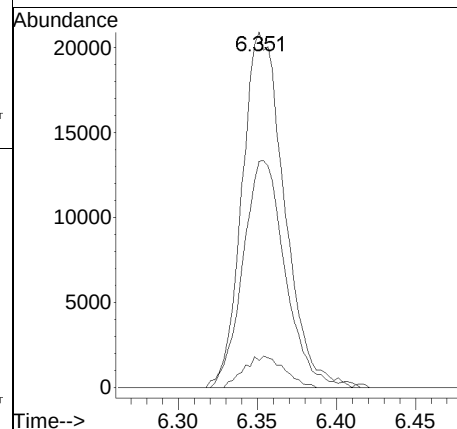
Tgt Ion:	63	Resp:	28362
Ion Ratio	Lower	Upper	
63	100		
62	70.5	58.6	87.8
76	44.0	38.0	57.0

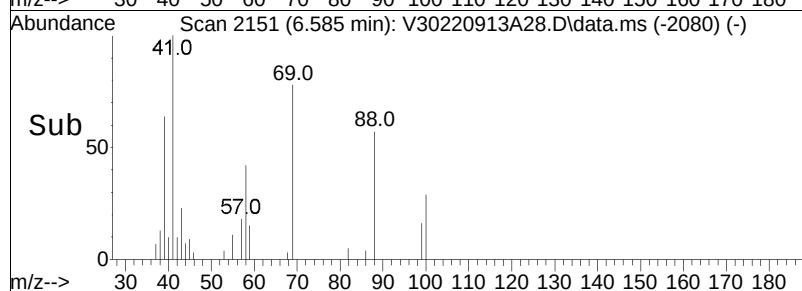
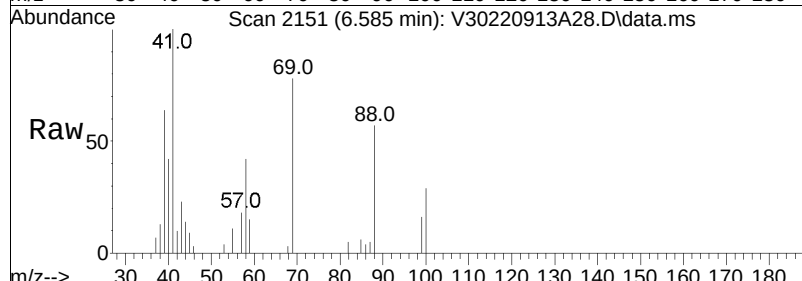
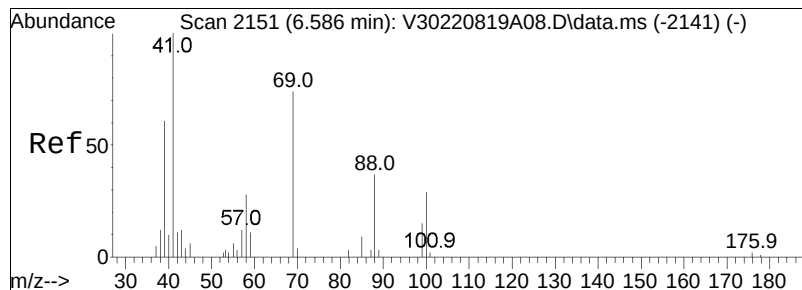




#54
 Bromodichloromethane
 Concen: 8.44 ug/L
 RT: 6.351 min Scan# 2067
 Delta R.T. -0.009 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

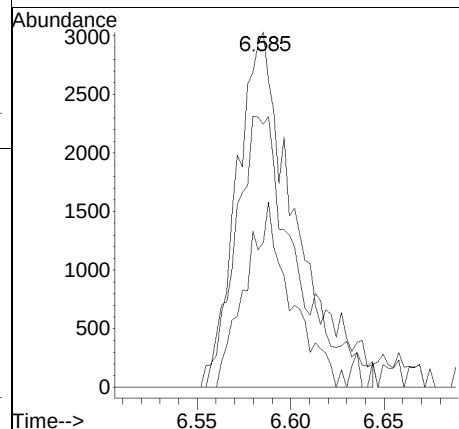
Tgt Ion:	83	Resp:	38848
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.3	78.5
127	8.4	6.2	9.4

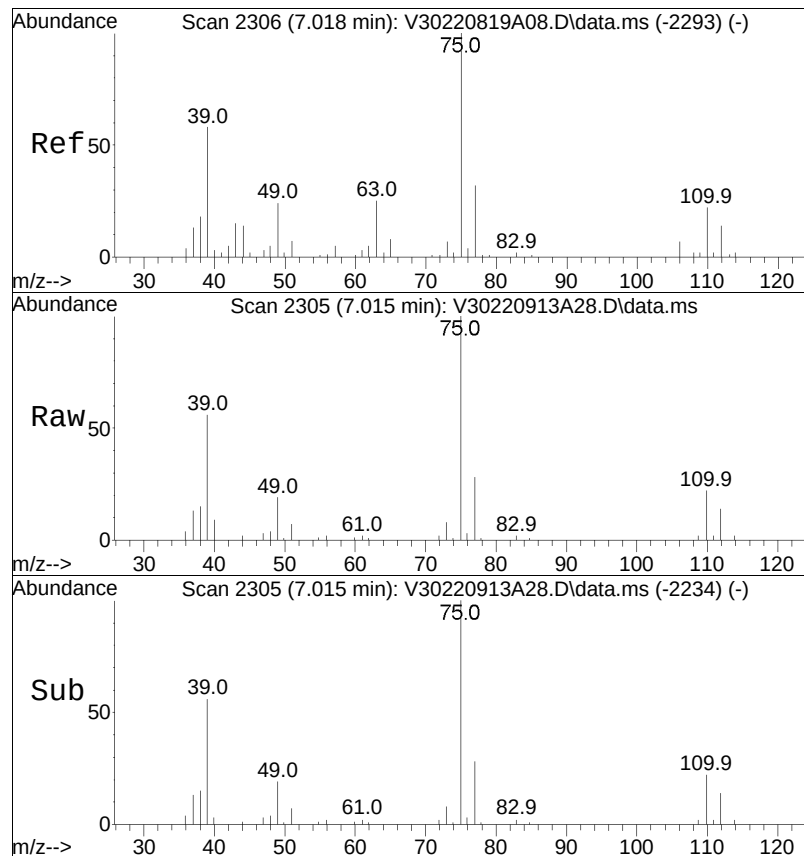




#57
 1,4-Dioxane
 Concen: 584.28 ug/L
 RT: 6.585 min Scan# 2151
 Delta R.T. -0.001 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

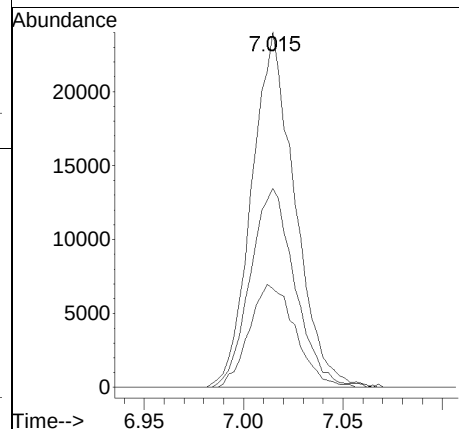
Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.0	76.7	115.1#
43	40.8	36.2	54.2

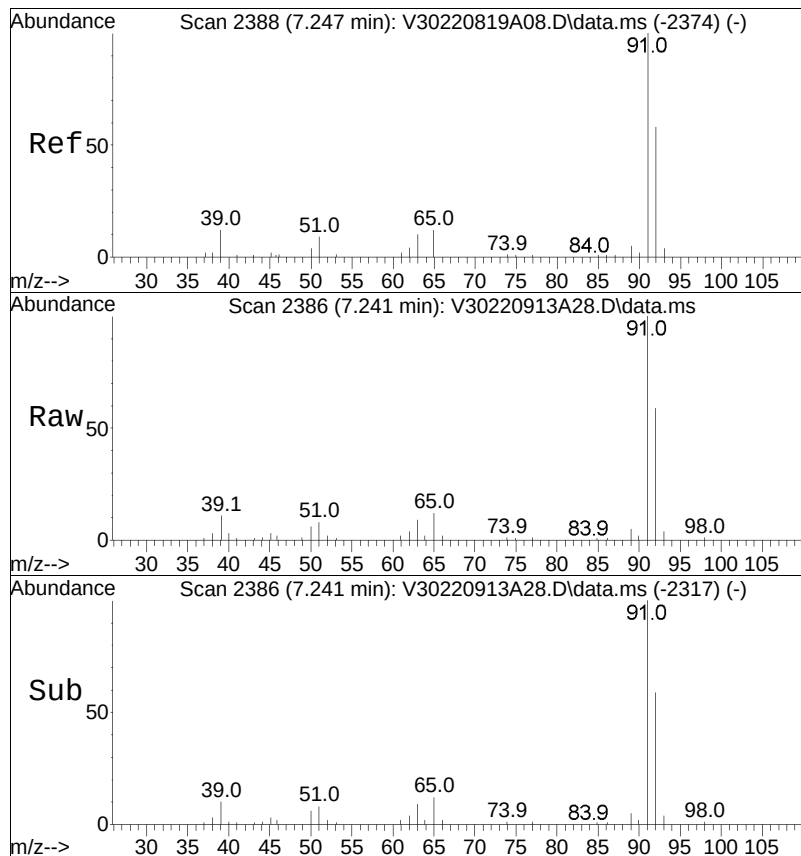




#58
 cis-1,3-Dichloropropene
 Concen: 7.94 ug/L
 RT: 7.015 min Scan# 2305
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

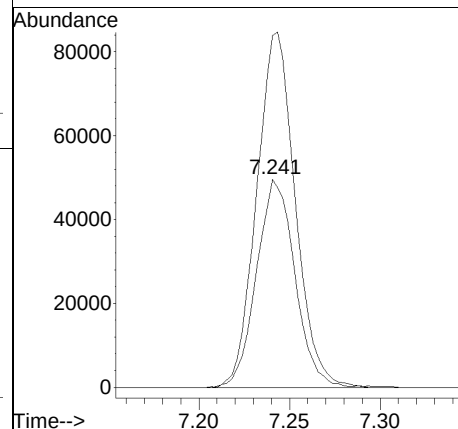
Tgt Ion:	75	Resp:	36341
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.0	37.4
39	58.2	50.1	75.1

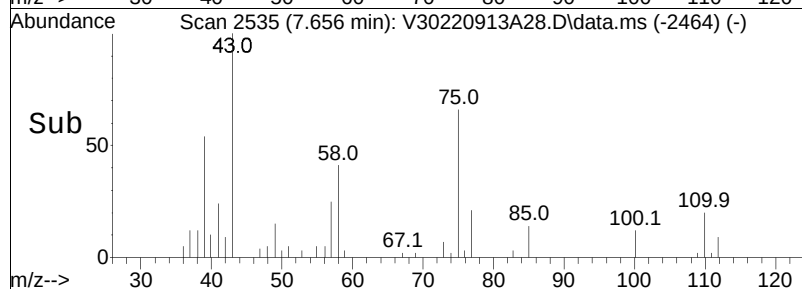
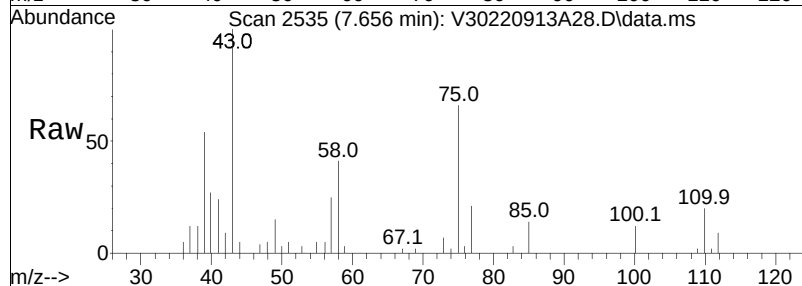
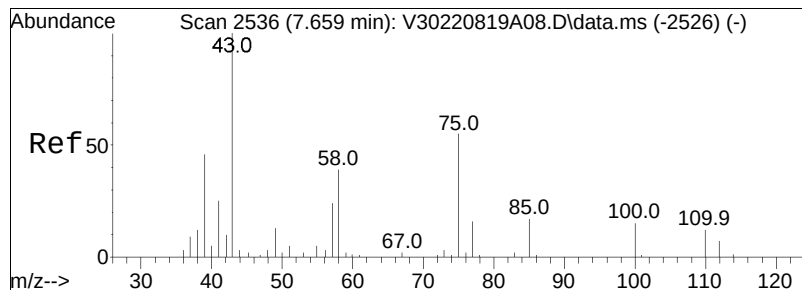




#61
Toluene
Concen: 8.94 ug/L
RT: 7.241 min Scan# 2386
Delta R.T. -0.006 min
Lab File: V30220913A28.D
Acq: 13 Sep 2022 03:31 pm

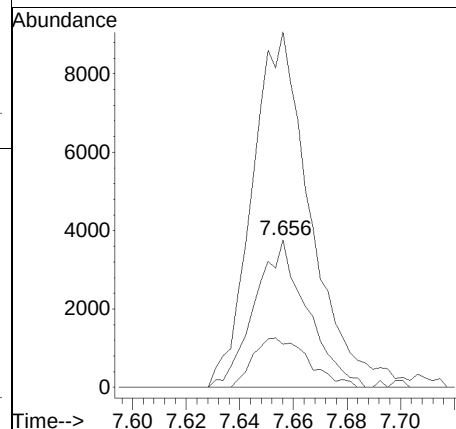
Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.6	139.8	209.6

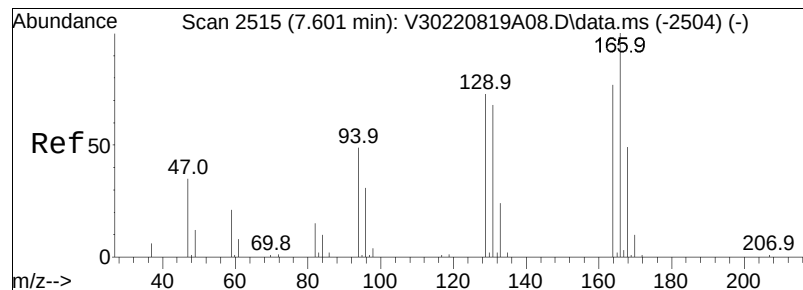




#62
 4-Methyl-2-pentanone
 Concen: 7.10 ug/L
 RT: 7.656 min Scan# 2535
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

Tgt Ion	Ratio	Lower	Upper
58	100		
100	35.4	20.2	30.2#
43	270.2	196.6	295.0





#63

Tetrachloroethene

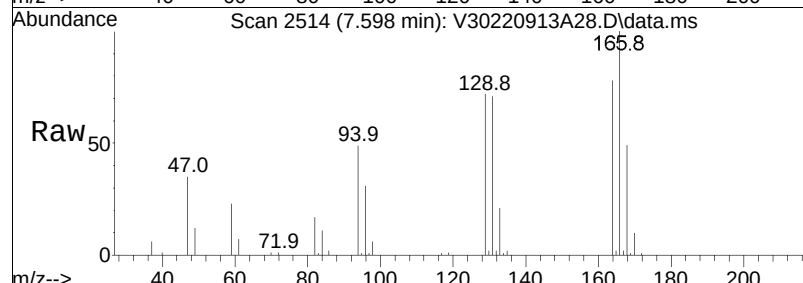
Concen: 48.40 ug/L

RT: 7.598 min Scan# 2514

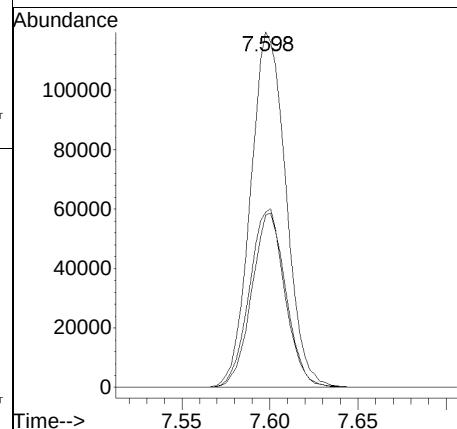
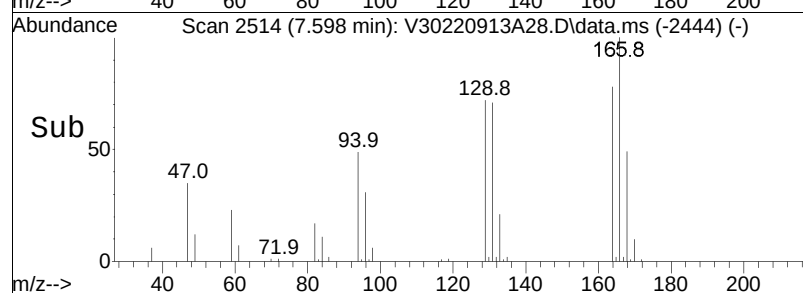
Delta R.T. -0.003 min

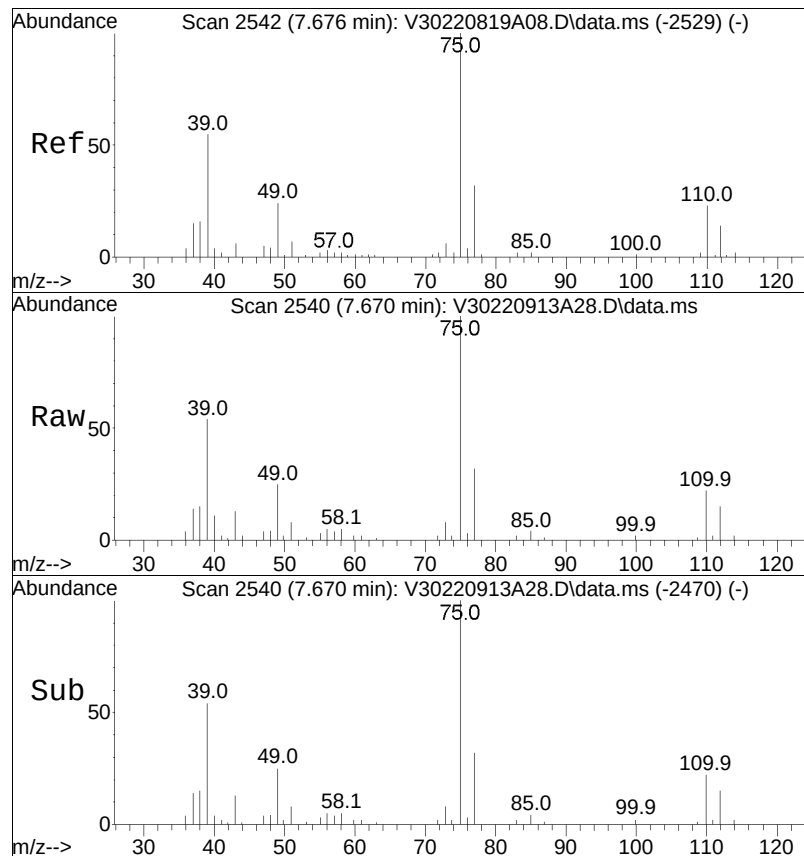
Lab File: V30220913A28.D

Acq: 13 Sep 2022 03:31 pm



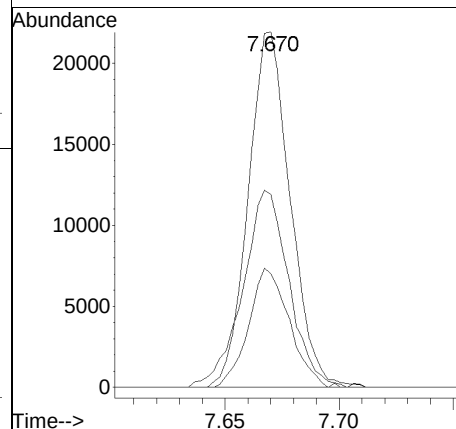
Tgt Ion:	166	Resp:	167431
Ion Ratio	Lower	Upper	
166	100		
168	47.7	28.2	68.2
94	50.1	38.4	78.4

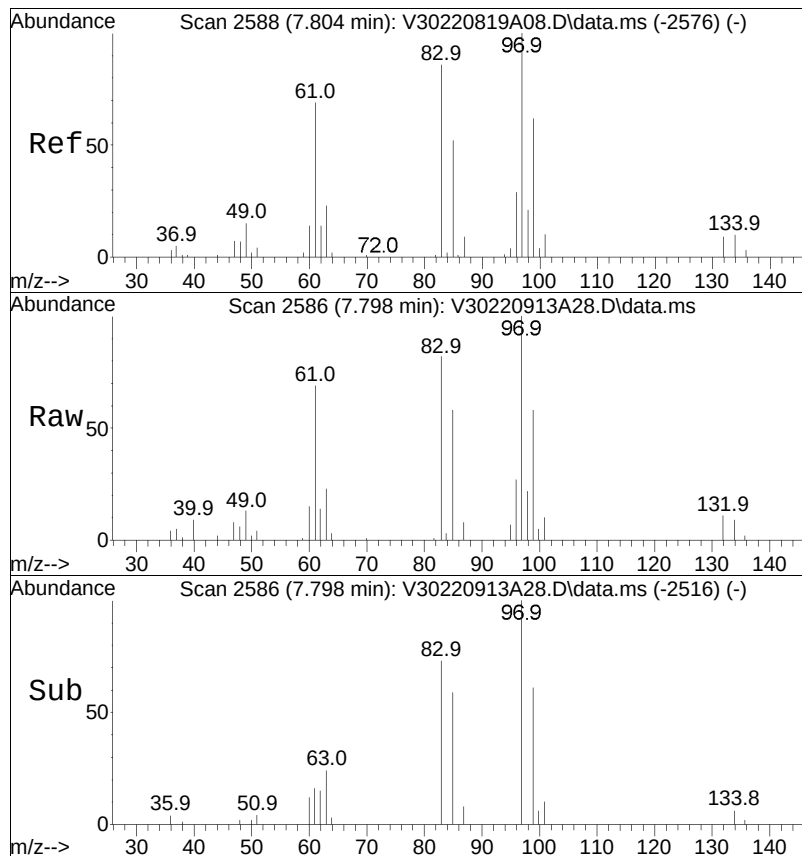




#65
 trans-1,3-Dichloropropene
 Concen: 8.01 ug/L
 RT: 7.670 min Scan# 2540
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

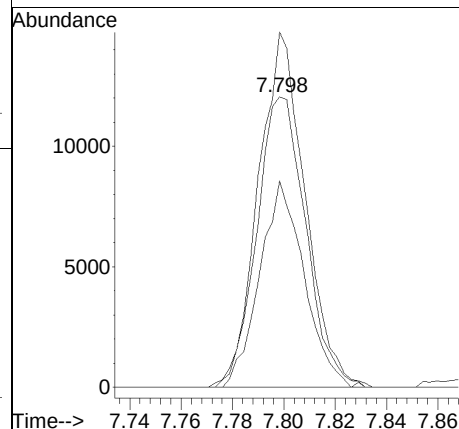
Tgt	Ion: 75	Resp:	28037
Ion	Ratio	Lower	Upper
75	100		
77	32.6	12.4	52.4
39	60.9	42.8	82.8

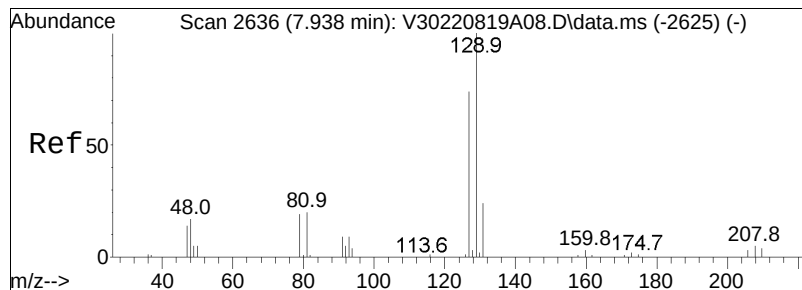




#68
 1,1,2-Trichloroethane
 Concen: 8.06 ug/L
 RT: 7.798 min Scan# 2586
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

Tgt Ion:	83	Resp:	16003
Ion Ratio	Lower	Upper	
83	100		
97	116.2	89.8	129.8
85	64.4	44.4	84.4





#69

Chlorodibromomethane

Concen: 8.29 ug/L

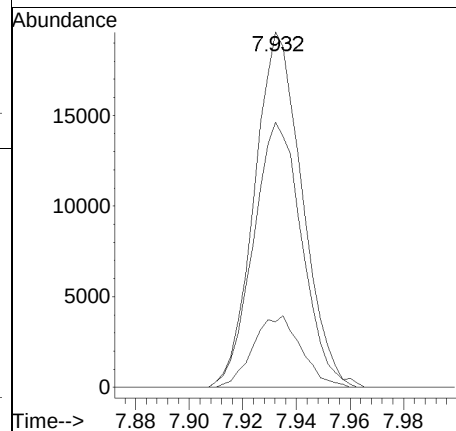
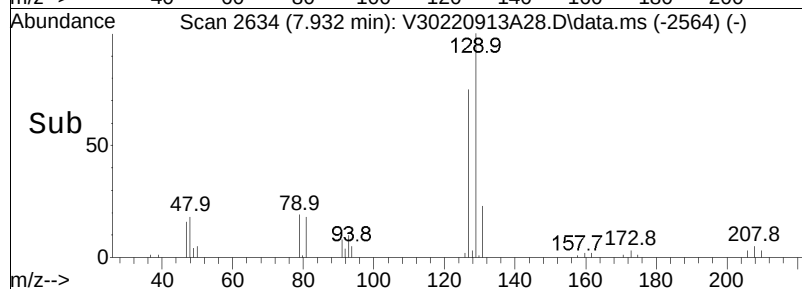
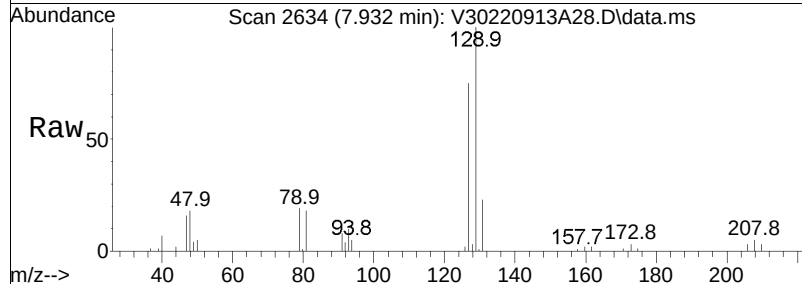
RT: 7.932 min Scan# 2634

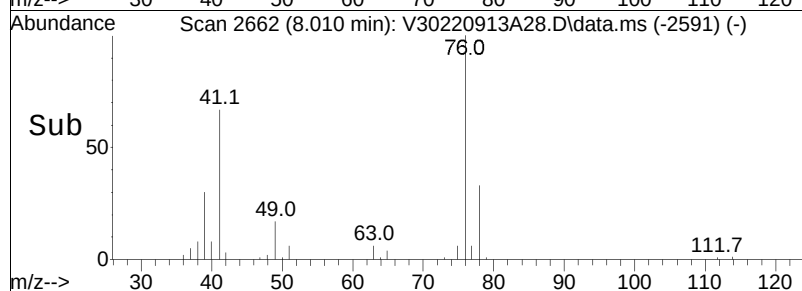
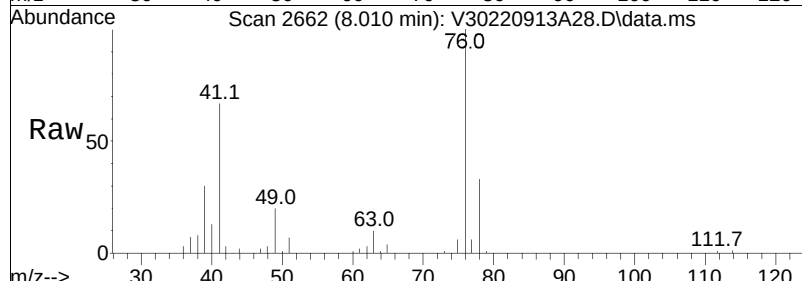
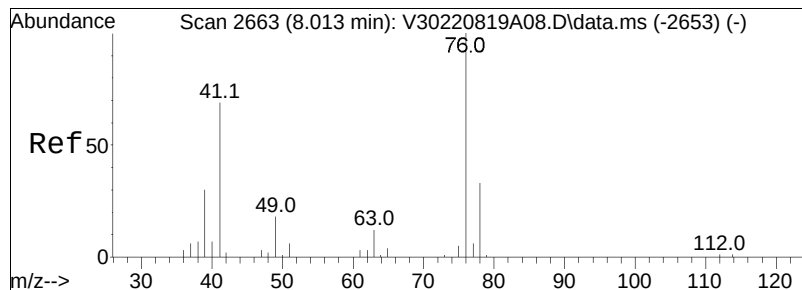
Delta R.T. -0.006 min

Lab File: V30220913A28.D

Acq: 13 Sep 2022 03:31 pm

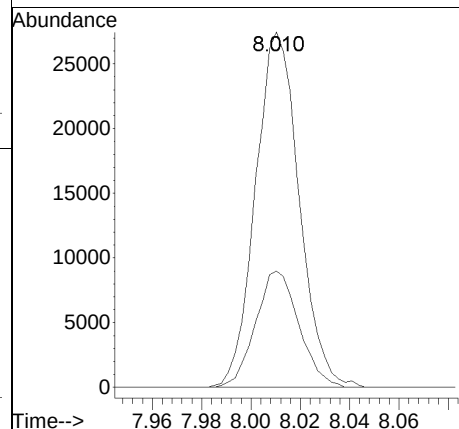
Tgt	Ion:129	Resp:	24311
Ion	Ratio	Lower	Upper
129	100		
81	20.3	2.9	42.9
127	76.1	57.8	97.8

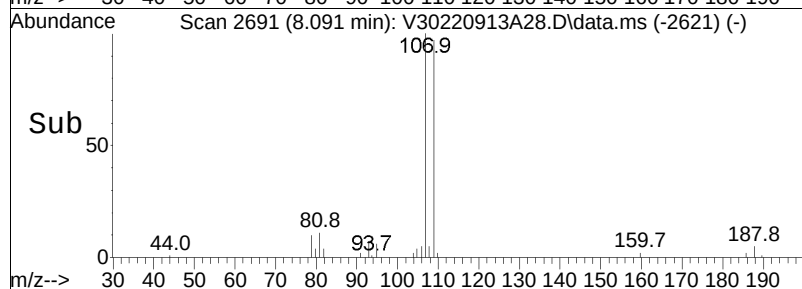
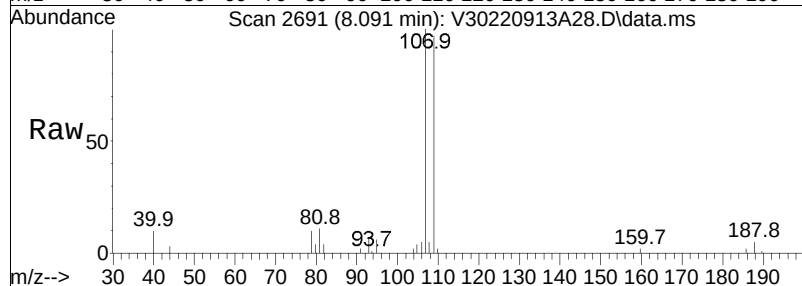
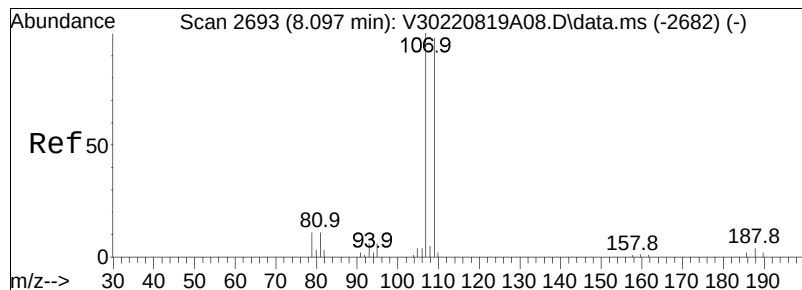




#70
 1,3-Dichloropropane
 Concen: 8.06 ug/L
 RT: 8.010 min Scan# 2662
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

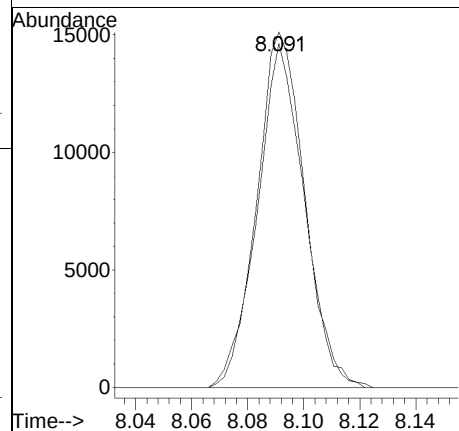
Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

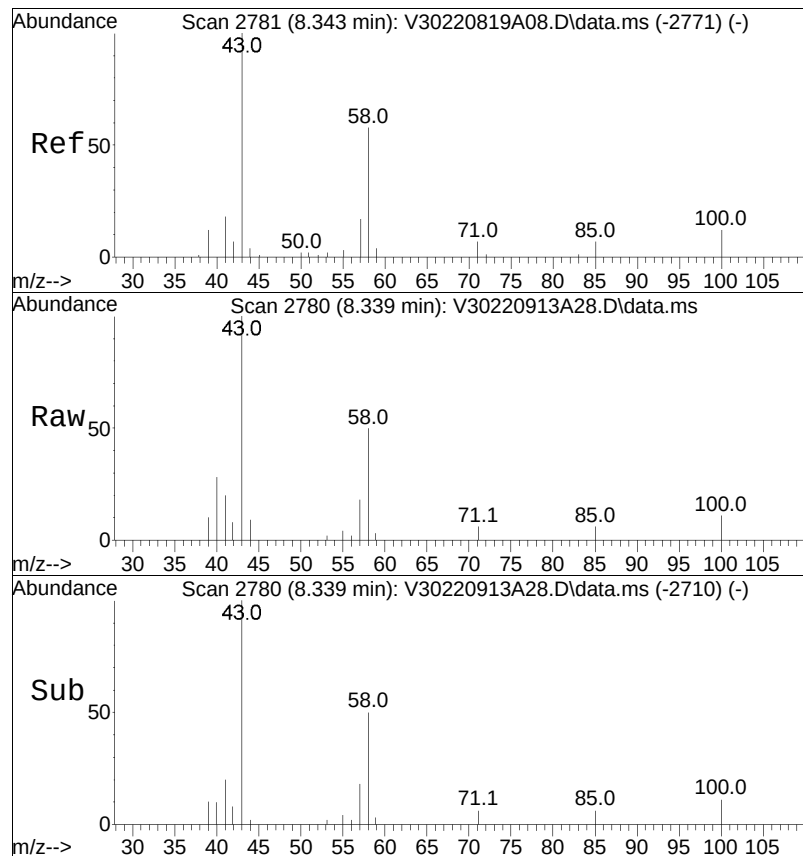




#71
 1,2-Dibromoethane
 Concen: 8.03 ug/L
 RT: 8.091 min Scan# 2691
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

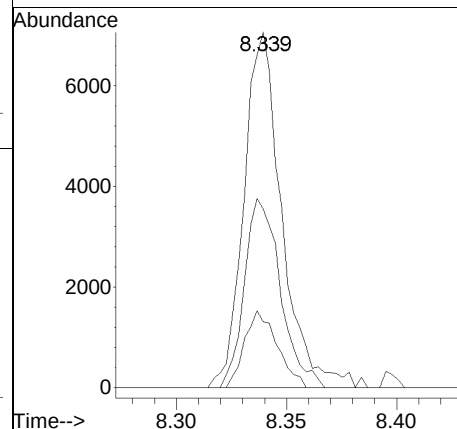
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.3	111.5

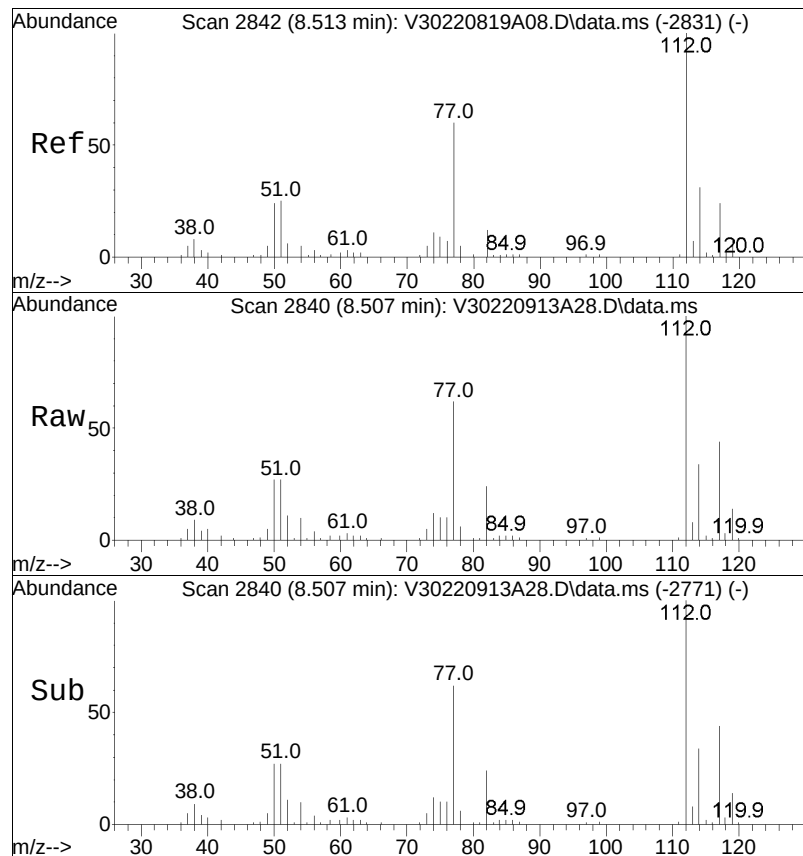




#72
 2-Hexanone
 Concen: 6.71 ug/L
 RT: 8.339 min Scan# 2780
 Delta R.T. -0.004 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

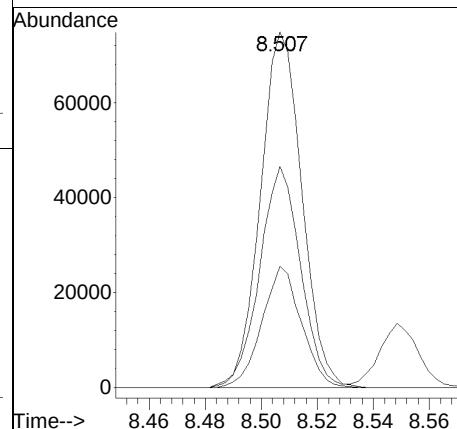
Tgt	Ion: 43	Resp:	8484
Ion	Ratio	Lower	Upper
43	100		
58	50.3	41.2	61.8
57	18.5	17.2	25.8

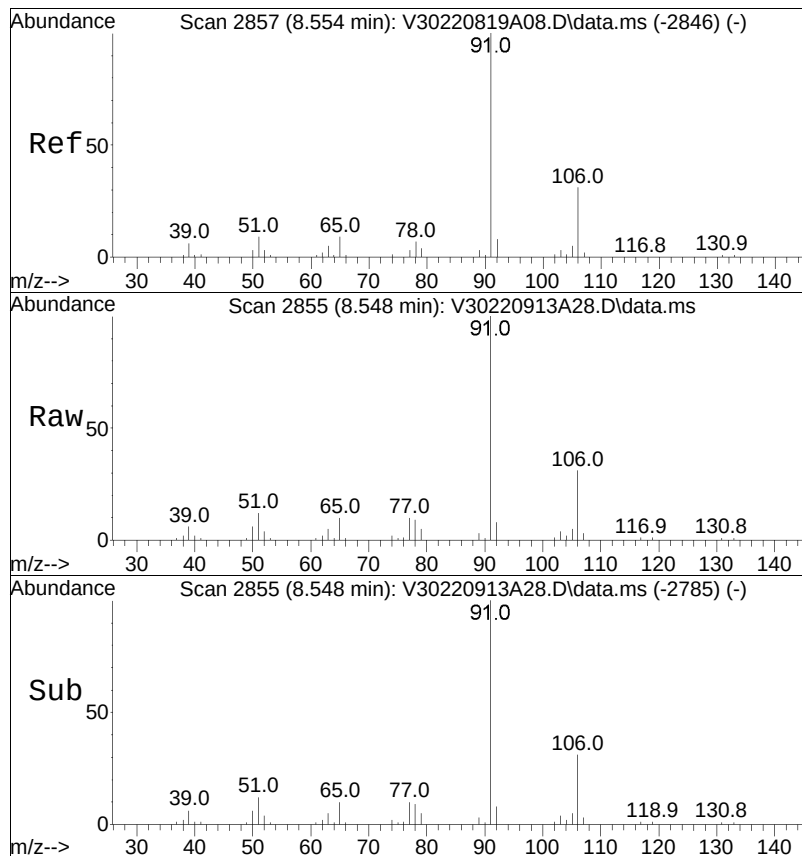




#73
 Chlorobenzene
 Concen: 8.53 ug/L
 RT: 8.507 min Scan# 2840
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

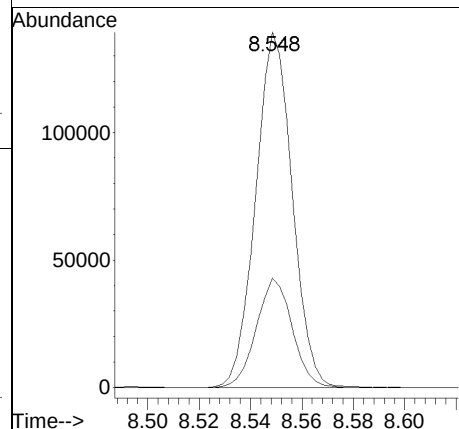
Tgt	Ion:112	Resp:	76904
Ion	Ratio	Lower	Upper
112	100		
77	61.4	55.4	83.0
114	32.4	25.4	38.2

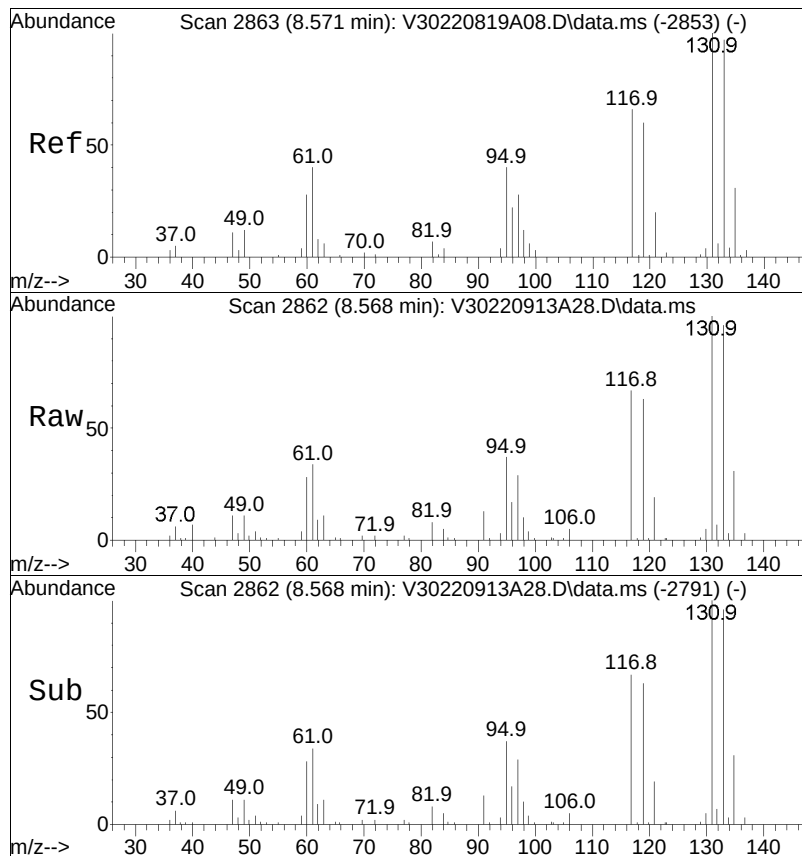




#74
 Ethylbenzene
 Concen: 8.65 ug/L
 RT: 8.548 min Scan# 2855
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

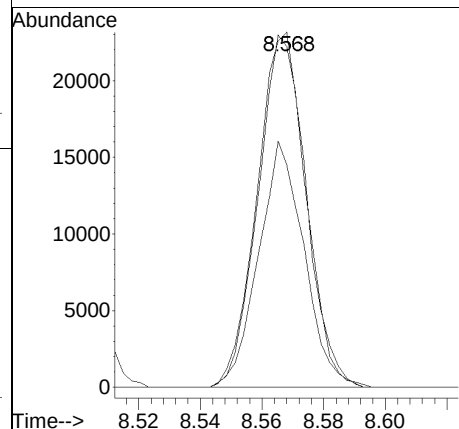
Tgt	Ion	Resp	Lower	Upper
91	100	137535		
106	30.1	24.3	36.5	

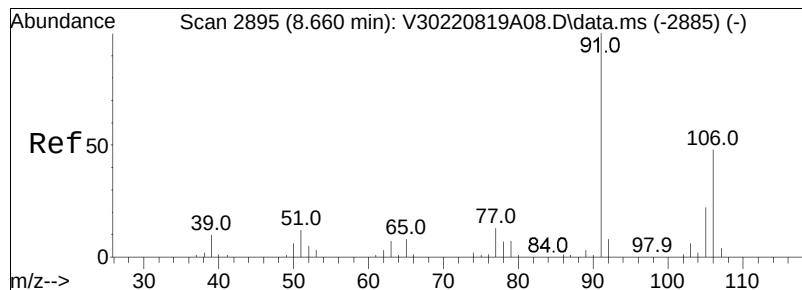




#75
 1,1,1,2-Tetrachloroethane
 Concen: 8.50 ug/L
 RT: 8.568 min Scan# 2862
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

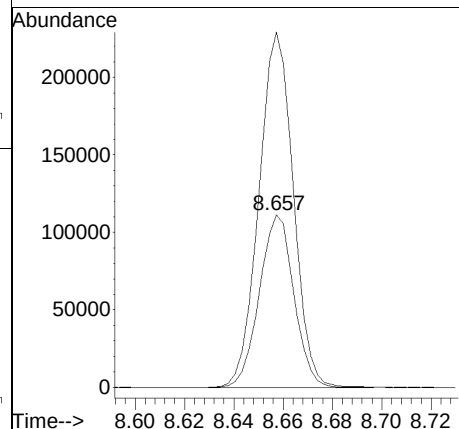
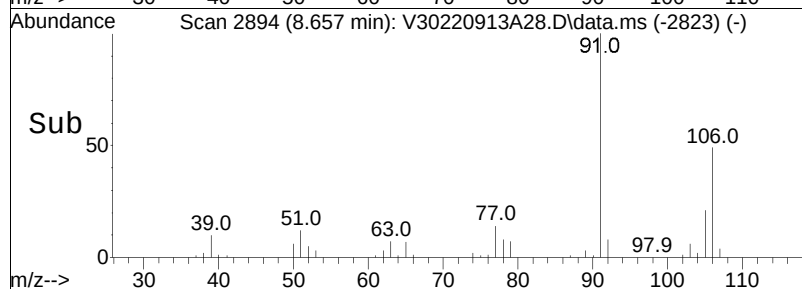
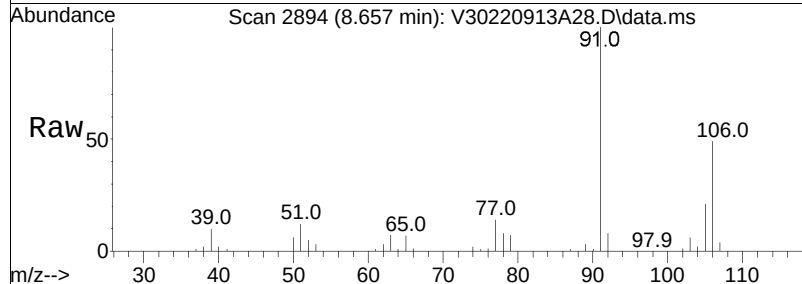
Tgt Ion:	131	Resp:	25604
Ion Ratio	Lower	Upper	
131	100		
133	96.8	81.0	121.0
119	64.2	41.3	81.3

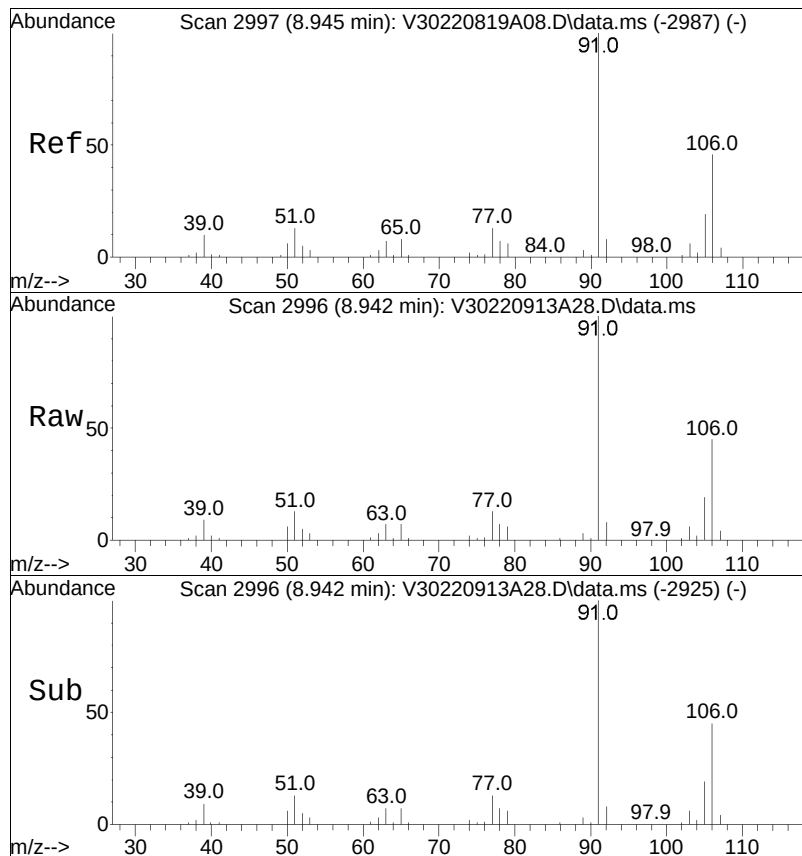




#76
 p/m Xylene
 Concen: 18.27 ug/L
 RT: 8.657 min Scan# 2894
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

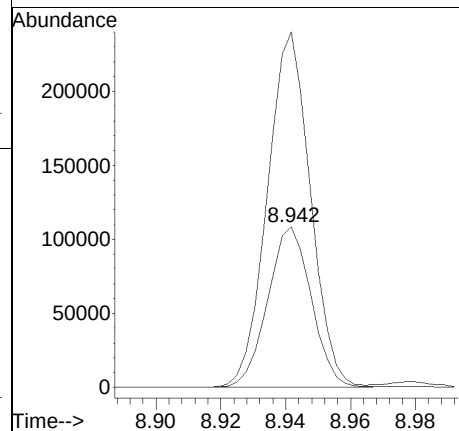
Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.4	166.4	249.6

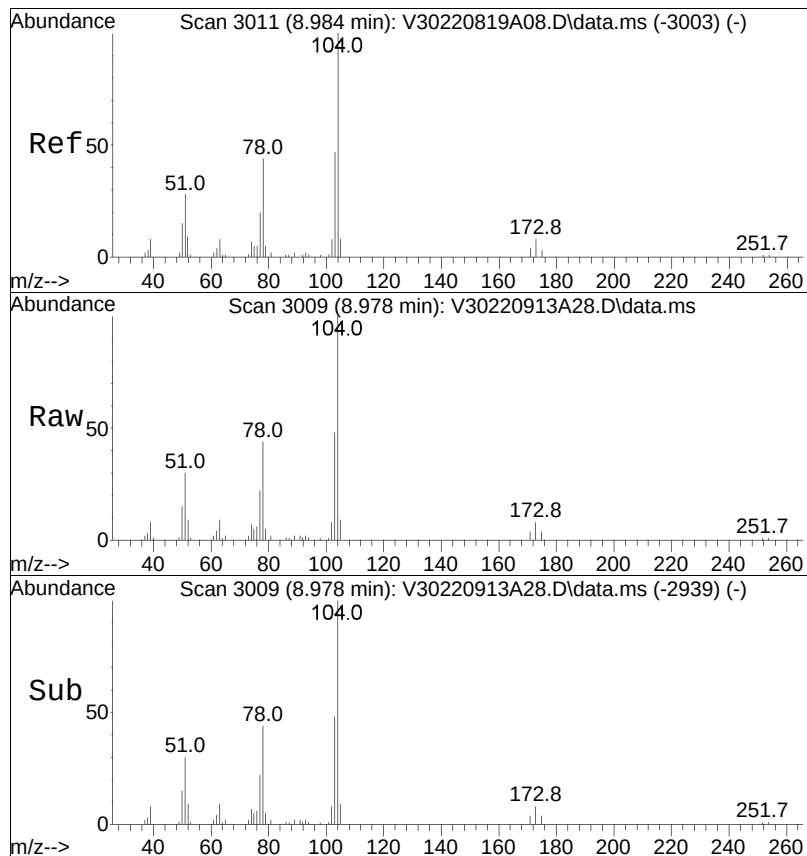




#77
 o Xylene
 Concen: 17.48 ug/L
 RT: 8.942 min Scan# 2996
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

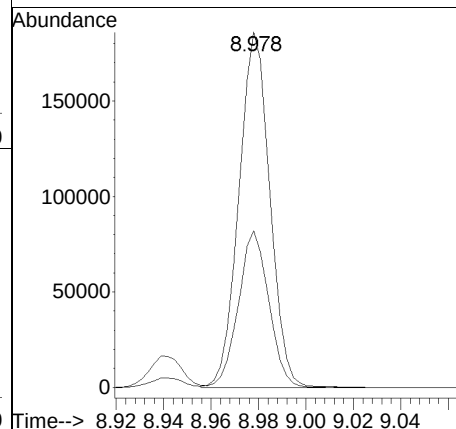
Tgt Ion	106	91	Ratio	Lower	Upper
106	100				
91		219.0		182.6	273.8

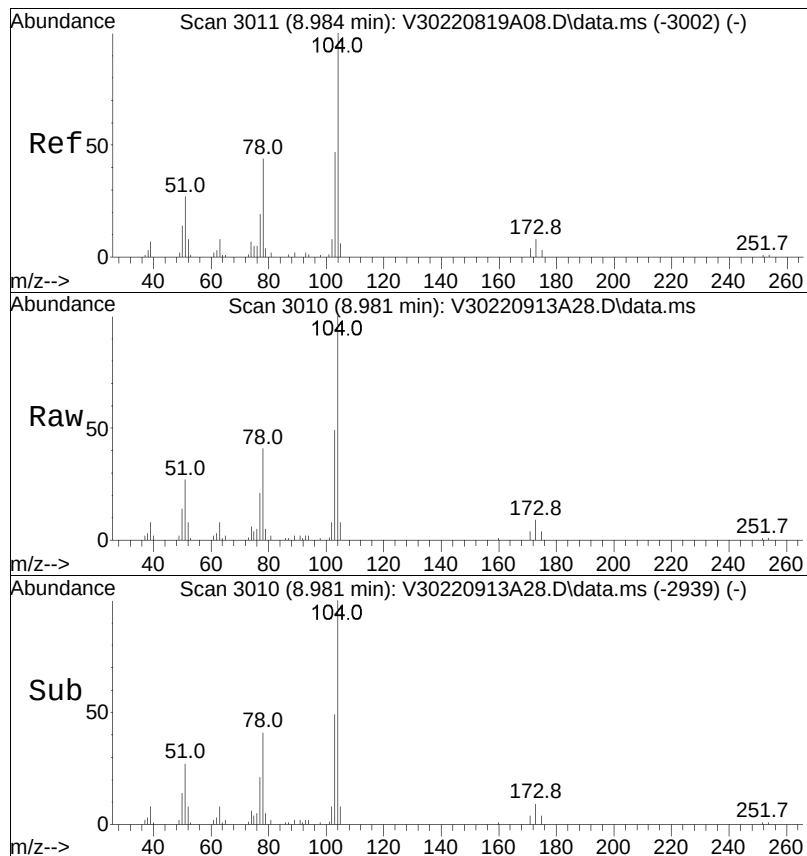




#78
 Styrene
 Concen: 18.07 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

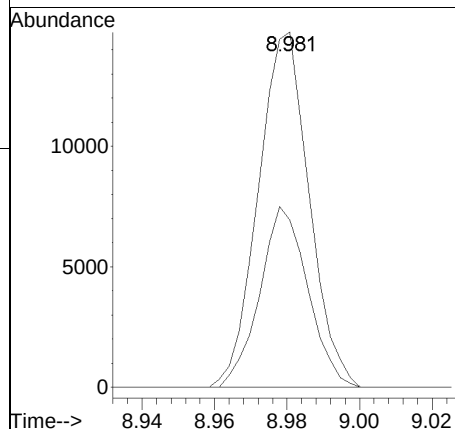
Tgt	Ion	Ratio	Lower	Upper
104	104	100		
78	78	43.3	39.8	59.6

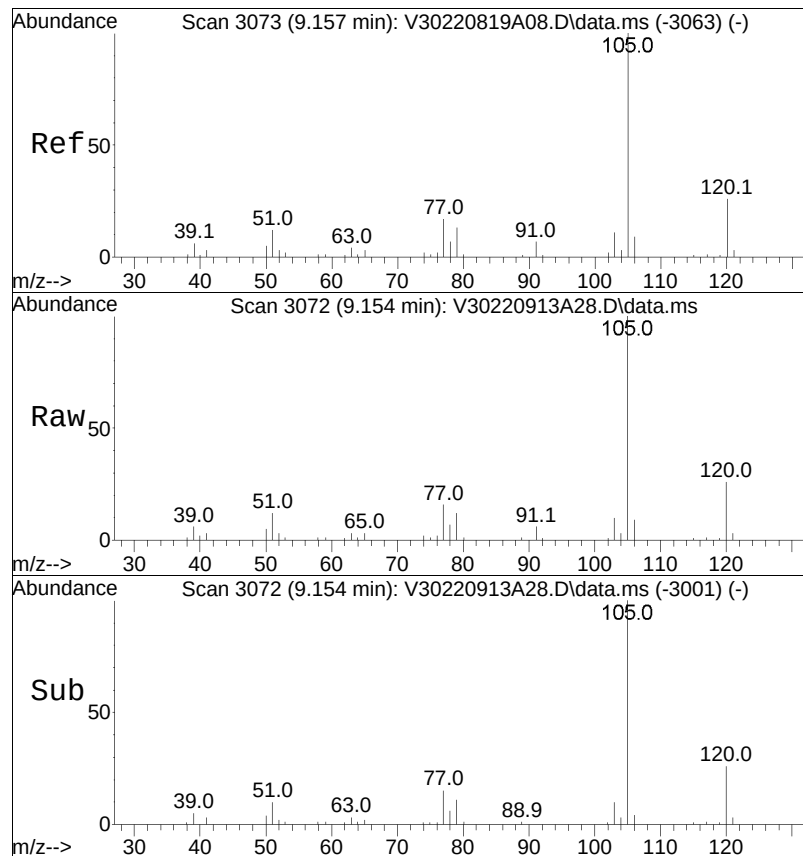




#80
 Bromoform
 Concen: 8.33 ug/L
 RT: 8.981 min Scan# 3010
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

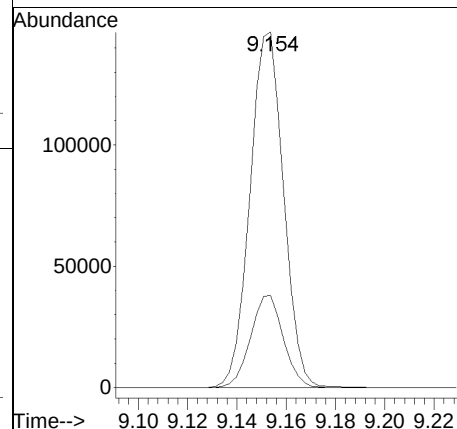
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	31.5	71.5

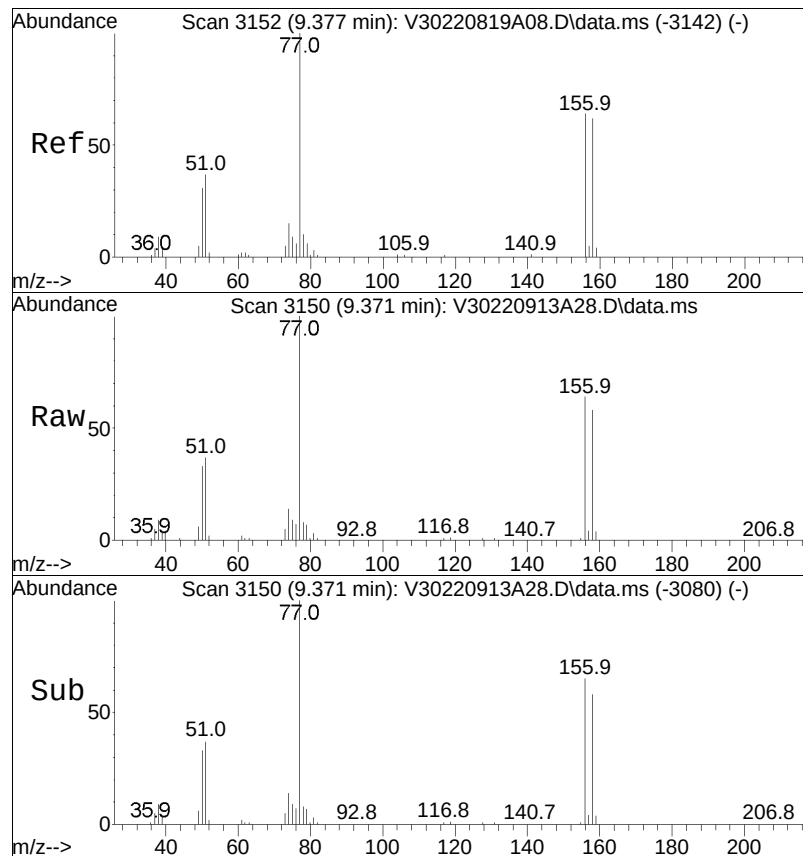




#82
 Isopropylbenzene
 Concen: 8.78 ug/L
 RT: 9.154 min Scan# 3072
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

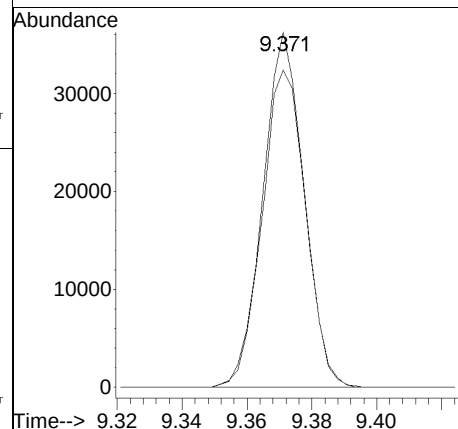
Tgt Ion:	105	Resp:	138385
Ion Ratio	Lower	Upper	
105	100		
120	25.2	4.8	44.8

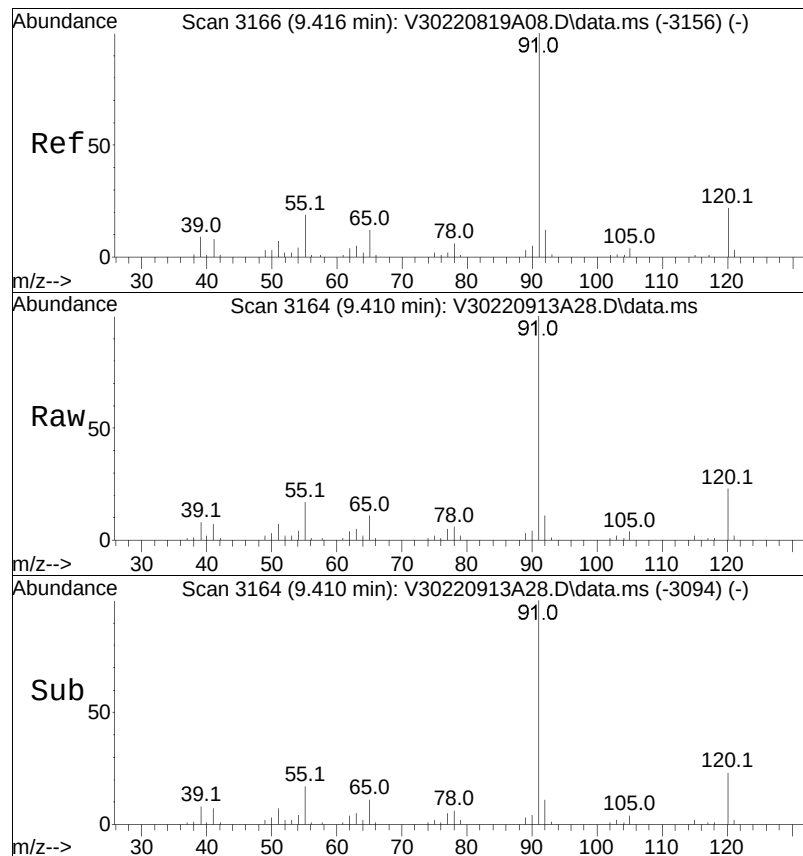




#84
 Bromobenzene
 Concen: 8.16 ug/L
 RT: 9.371 min Scan# 3150
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

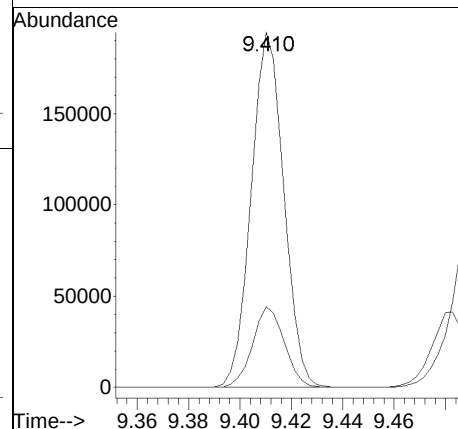
Tgt Ion	Ratio	Lower	Upper
156	100		
158	94.4	75.9	113.9

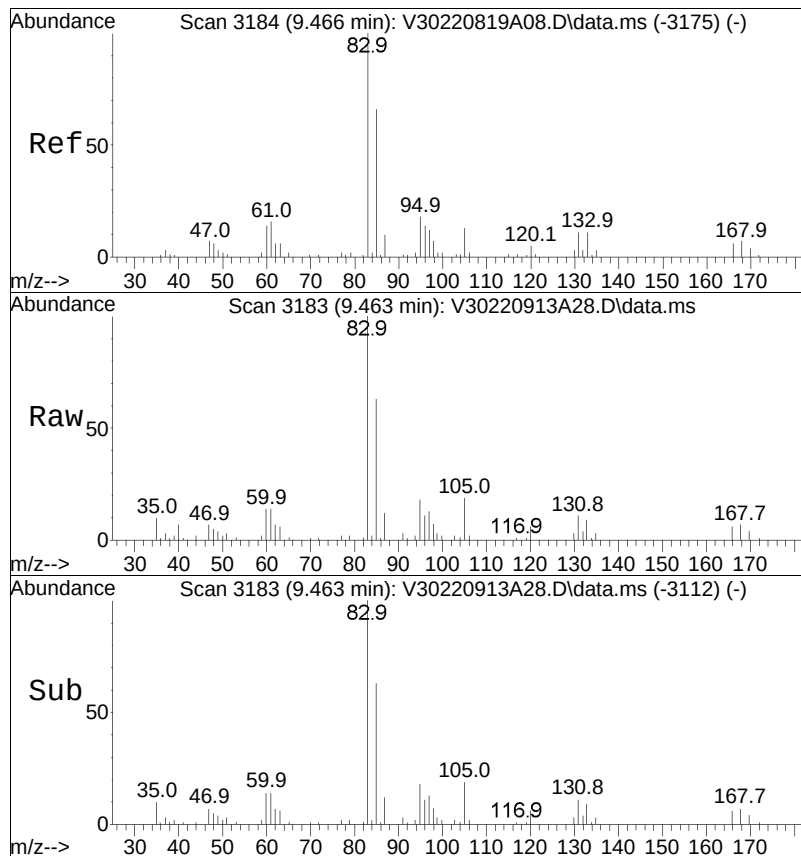




#85
 n-Propylbenzene
 Concen: 9.02 ug/L
 RT: 9.410 min Scan# 3164
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

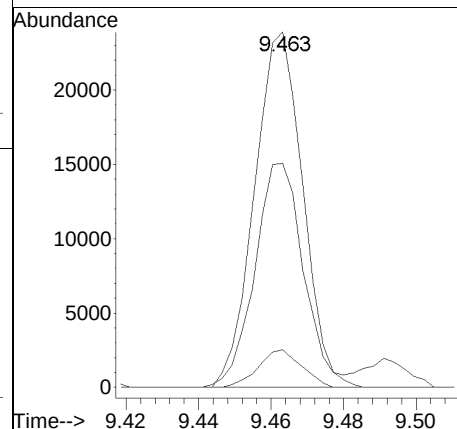
Tgt	Ion	Resp	Lower	Upper
91	100	171522		
120	22.1	17.0	25.6	

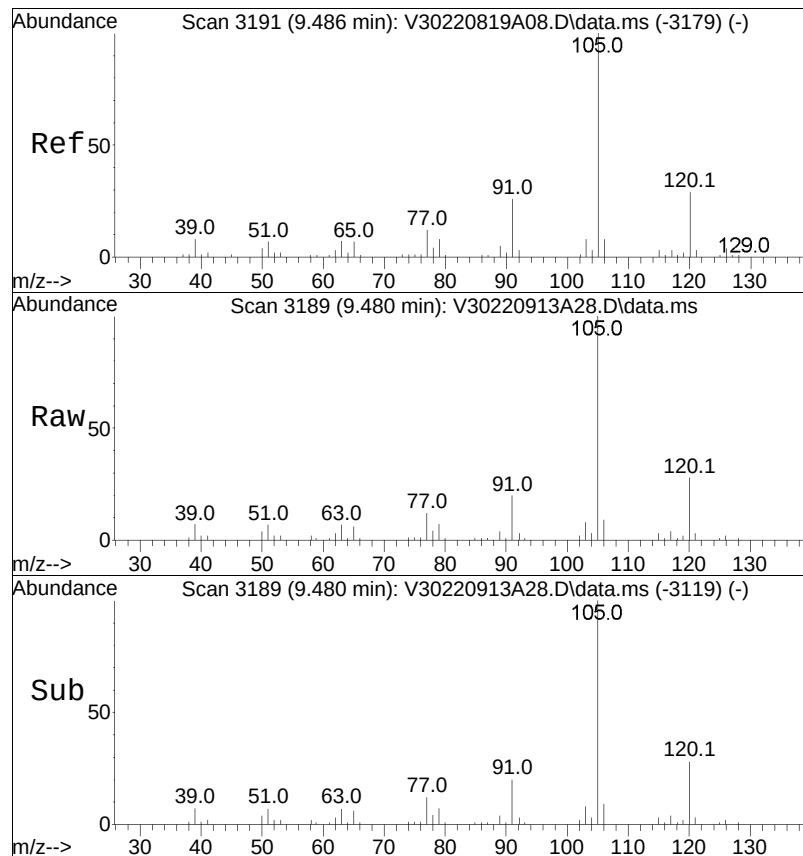




#87
 1,1,2,2-Tetrachloroethane
 Concen: 7.72 ug/L
 RT: 9.463 min Scan# 3183
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

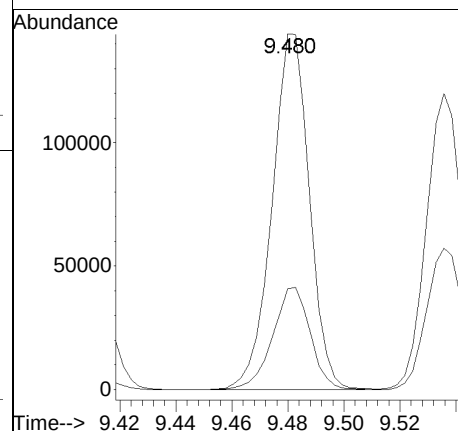
Tgt Ion:	83	Resp:	22057
Ion Ratio	Lower	Upper	
83	100		
131	9.6	0.0	30.4
85	63.7	45.4	85.4

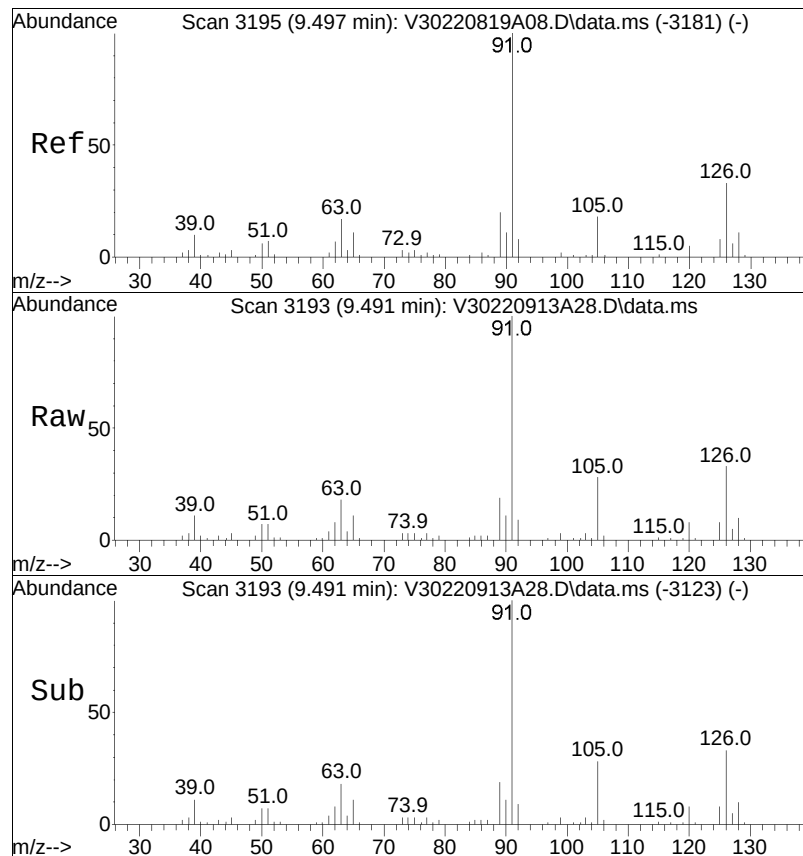




#88
 4-Ethyltoluene
 Concen: 8.58 ug/L
 RT: 9.480 min Scan# 3189
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

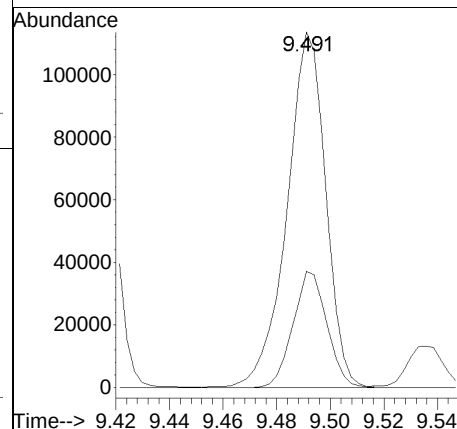
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	28.8	18.1	37.7	

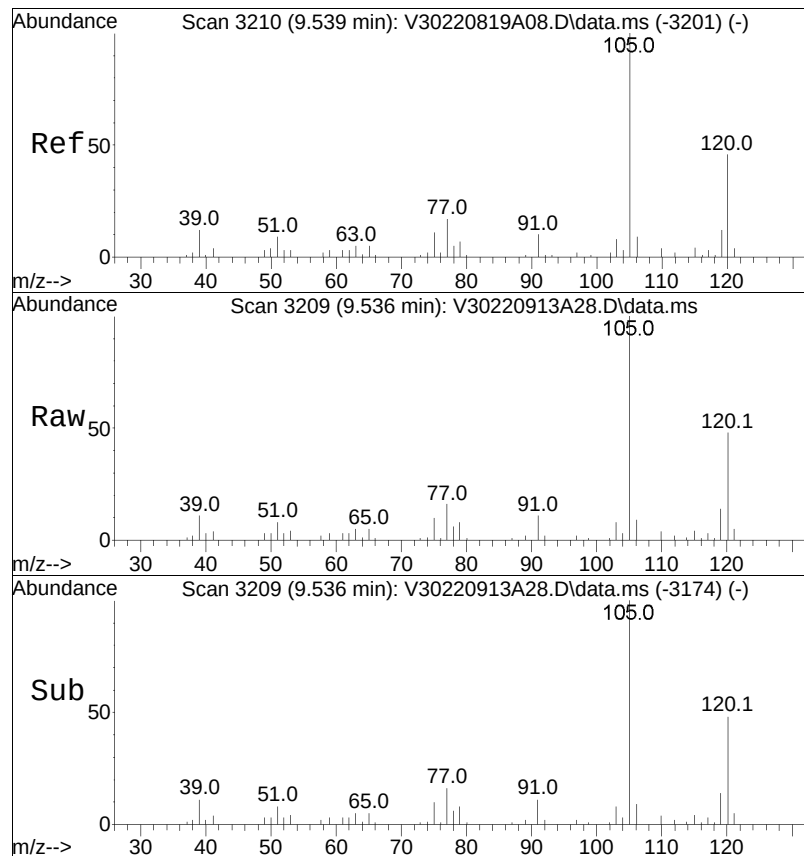




#89
 2-Chlorotoluene
 Concen: 8.57 ug/L
 RT: 9.491 min Scan# 3193
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

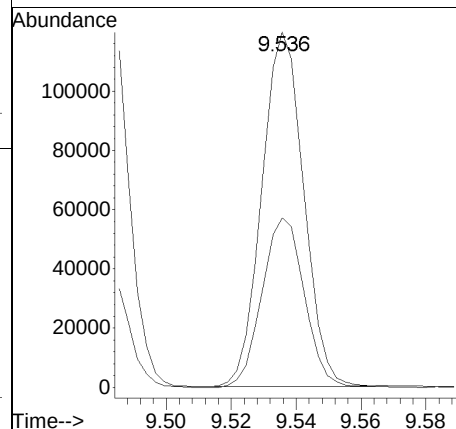
Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	21.5	32.3

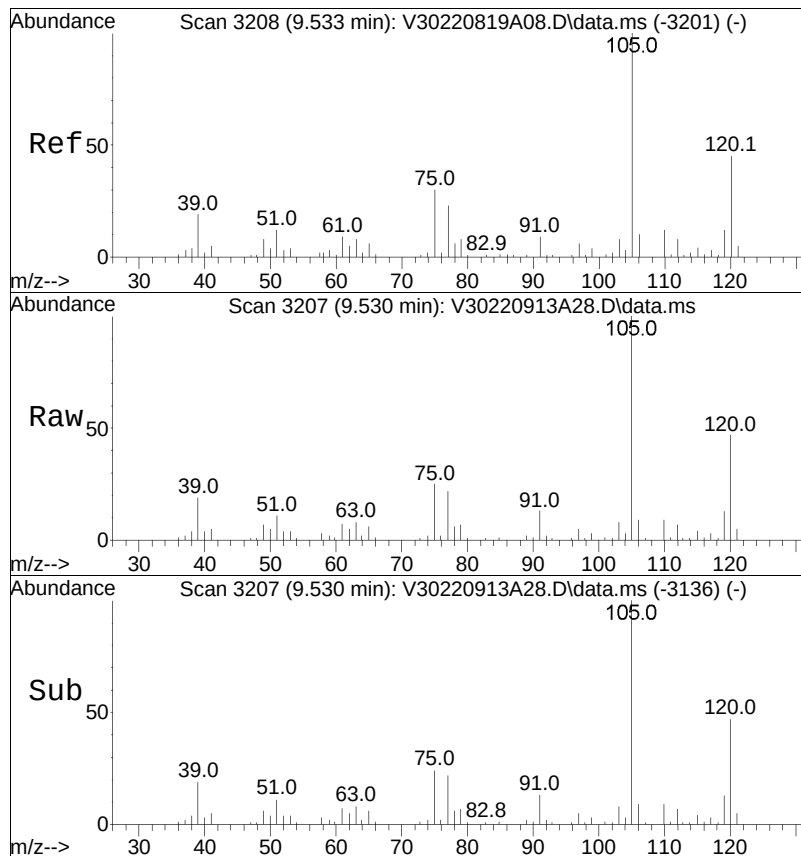




#90
 1,3,5-Trimethylbenzene
 Concen: 7.99 ug/L
 RT: 9.536 min Scan# 3209
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

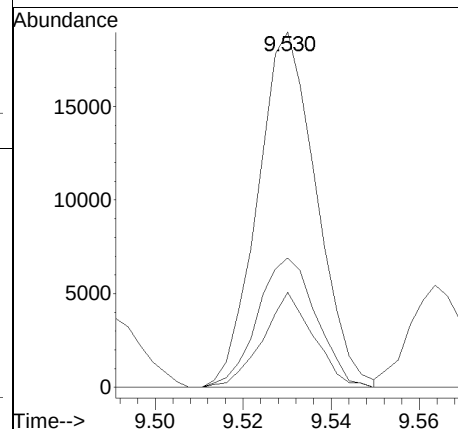
Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	48.5		34.8	52.2	

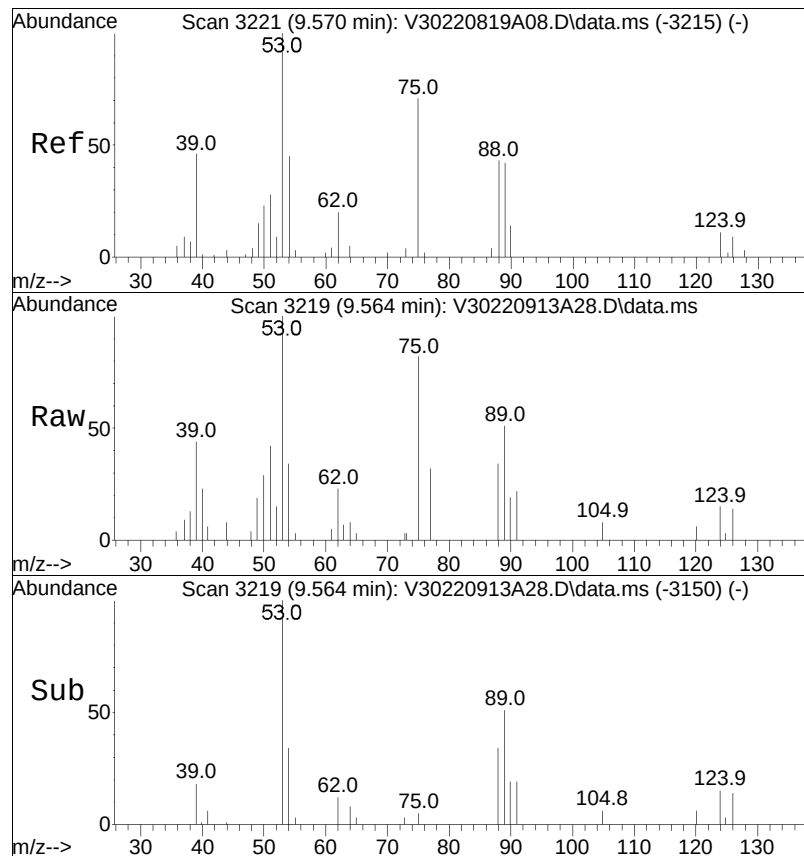




#91
 1,2,3-Trichloropropane
 Concen: 7.66 ug/L
 RT: 9.530 min Scan# 3207
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

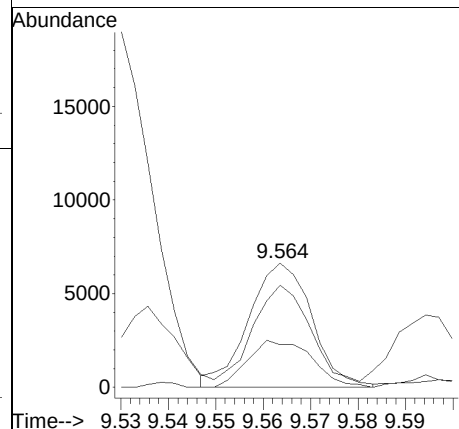
Tgt Ion:	75	Resp:	17591
Ion Ratio	Lower	Upper	
75	100		
110	36.4	25.4	52.8
112	23.2	15.6	32.4

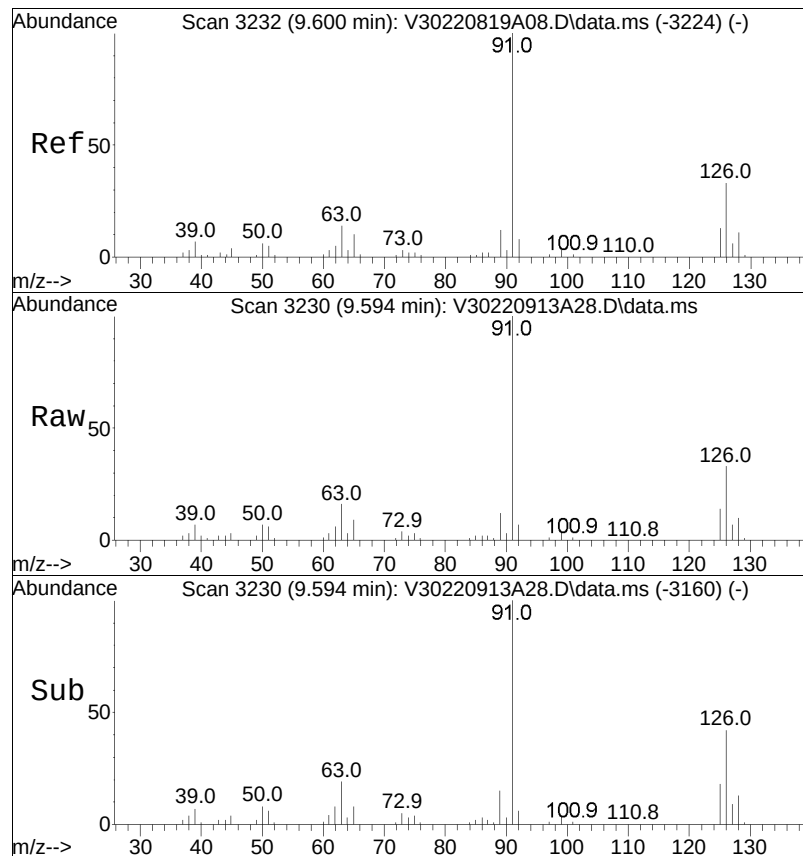




#92
 trans-1,4-Dichloro-2-butene
 Concen: 7.66 ug/L
 RT: 9.564 min Scan# 3219
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

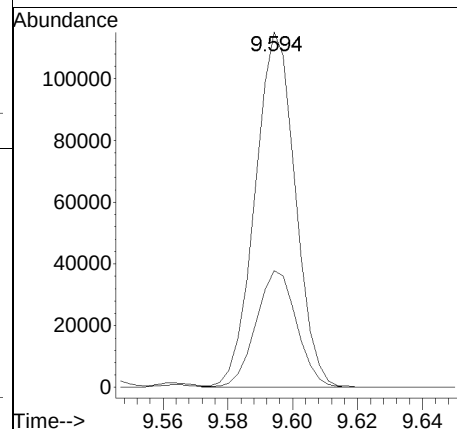
Tgt Ion:	53	Resp:	6121
Ion Ratio	Lower	Upper	
53	100		
88	38.8	39.6	59.4#
75	76.9	70.2	105.4

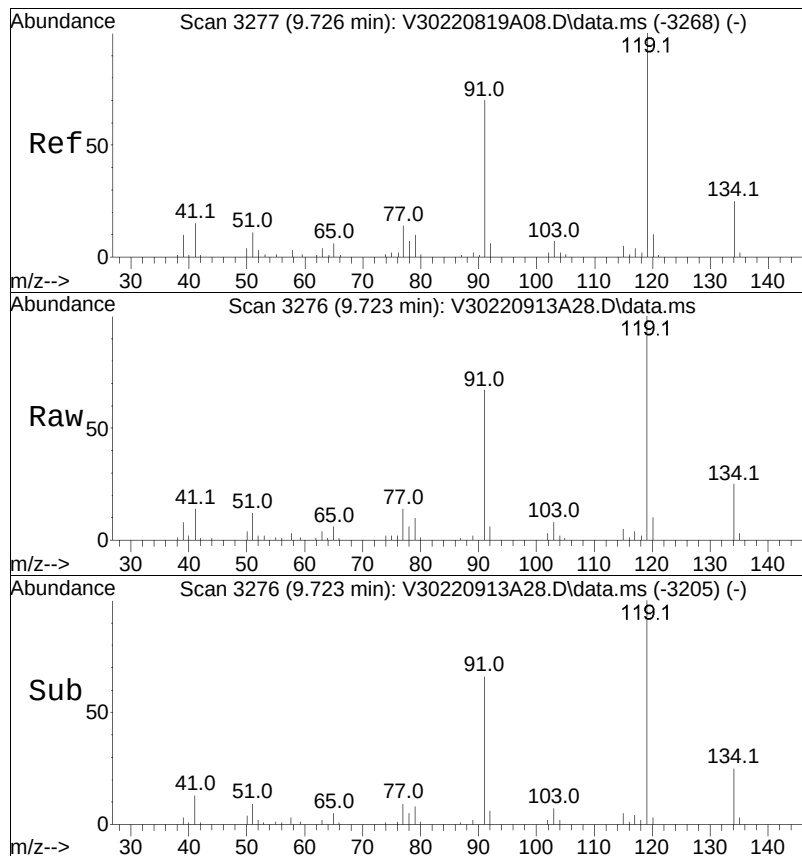




#93
 4-Chlorotoluene
 Concen: 8.32 ug/L
 RT: 9.594 min Scan# 3230
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

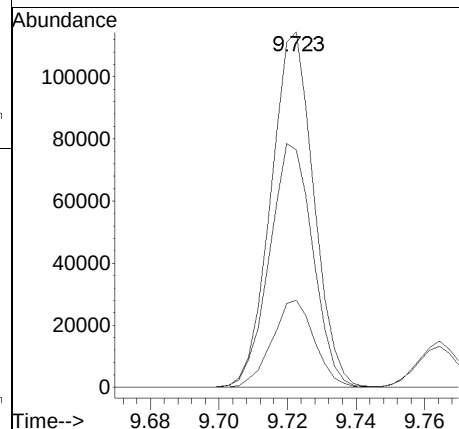
Tgt	Ion	Resp	Lower	Upper
91	100	99252		
126	33.2	24.6	36.8	

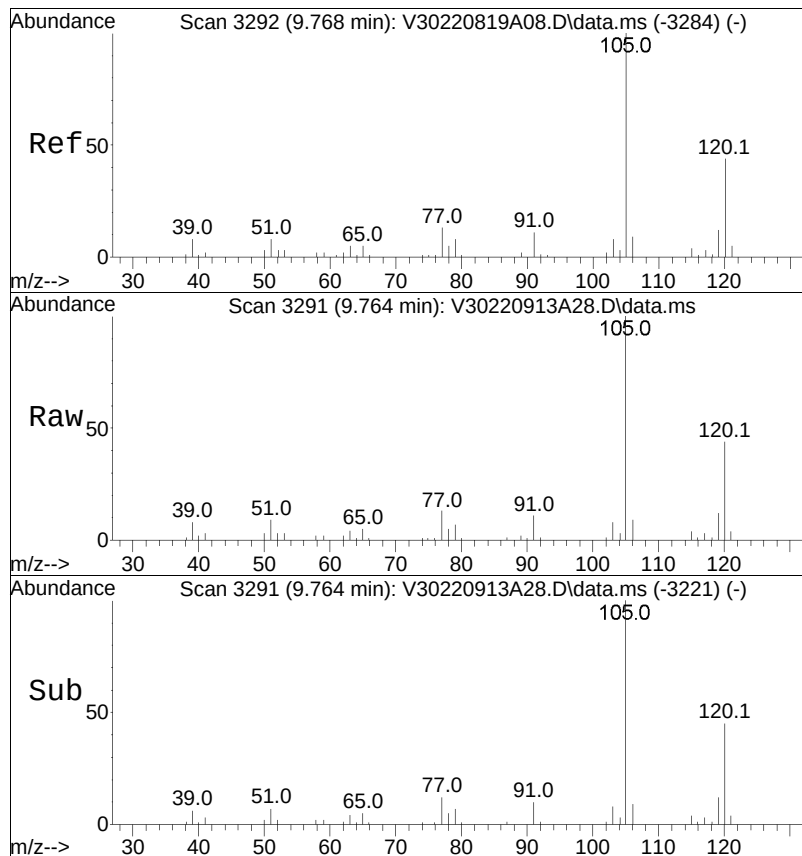




#94
 tert-Butylbenzene
 Concen: 8.58 ug/L
 RT: 9.723 min Scan# 3276
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

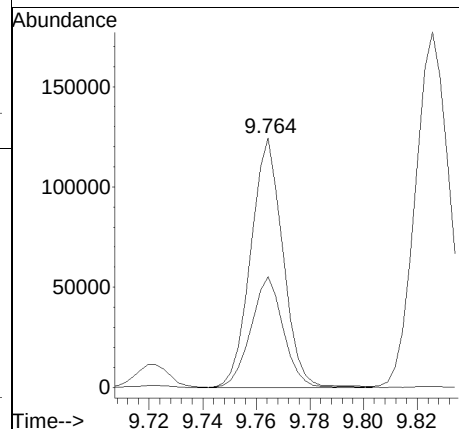
Tgt Ion:	119	Resp:	99562
Ion Ratio	Lower	Upper	
119	100		
91	69.7	51.4	77.2
134	24.3	18.3	27.5

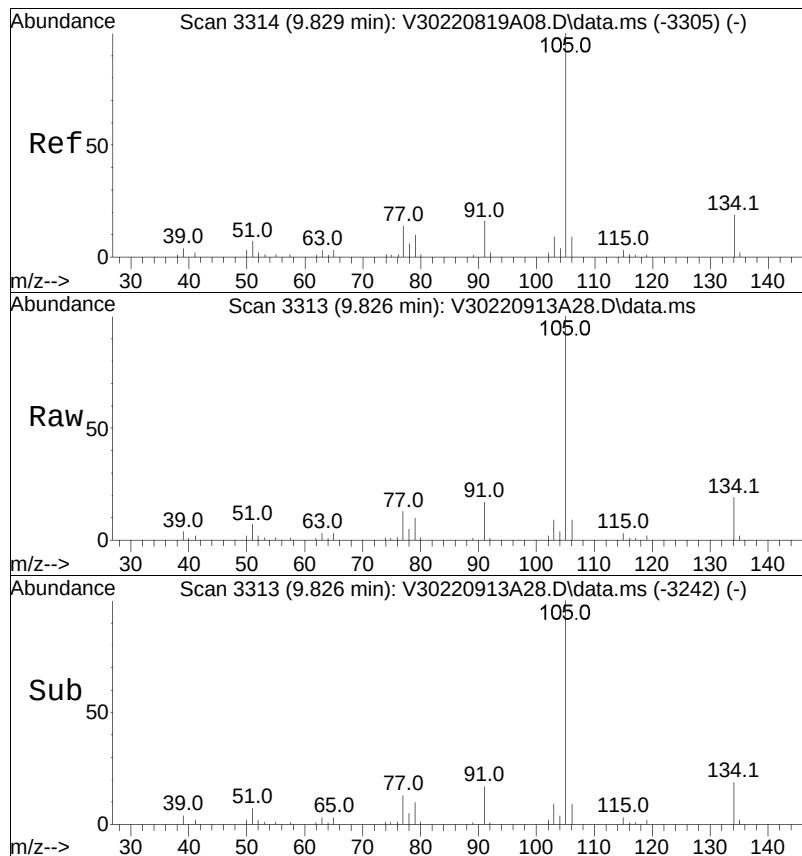




#97
 1,2,4-Trimethylbenzene
 Concen: 7.84 ug/L
 RT: 9.764 min Scan# 3291
 Delta R.T. -0.004 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

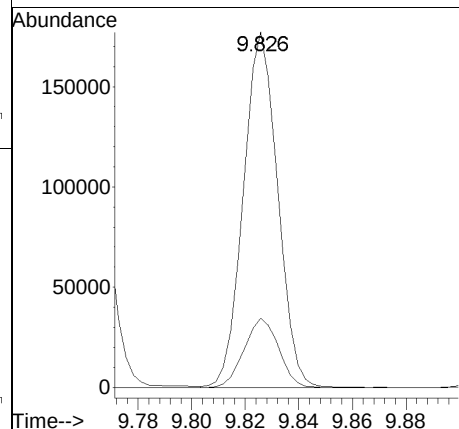
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	33.4	50.0

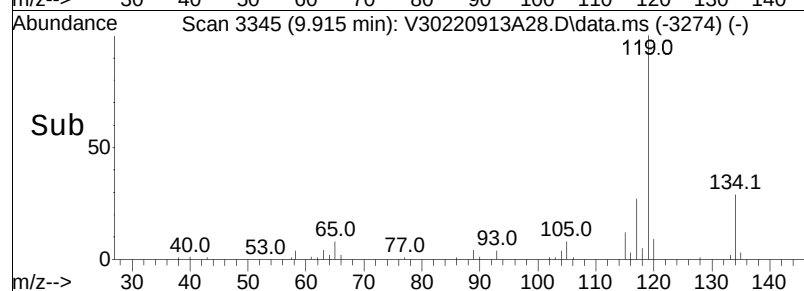
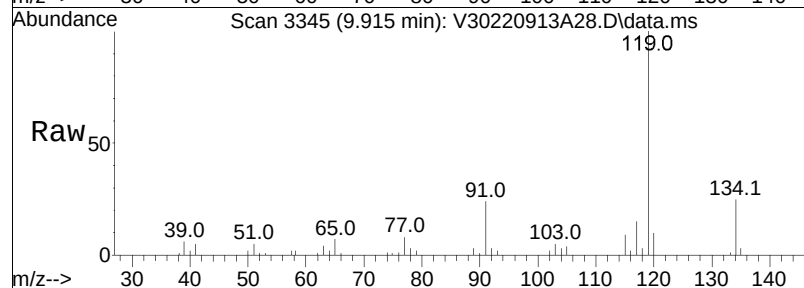
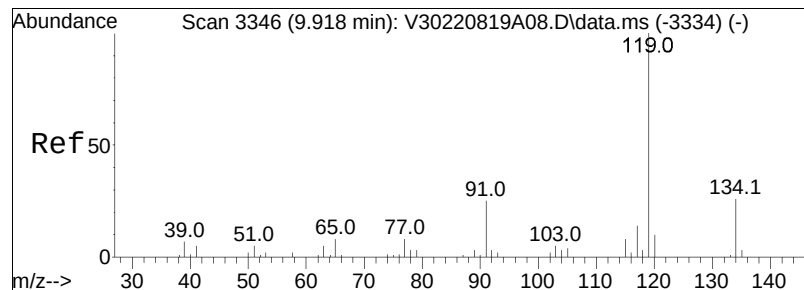




#98
 sec-Butylbenzene
 Concen: 9.06 ug/L
 RT: 9.826 min Scan# 3313
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

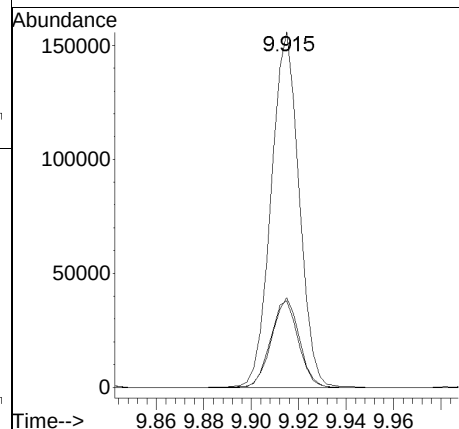
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	19.5	12.5	26.1	

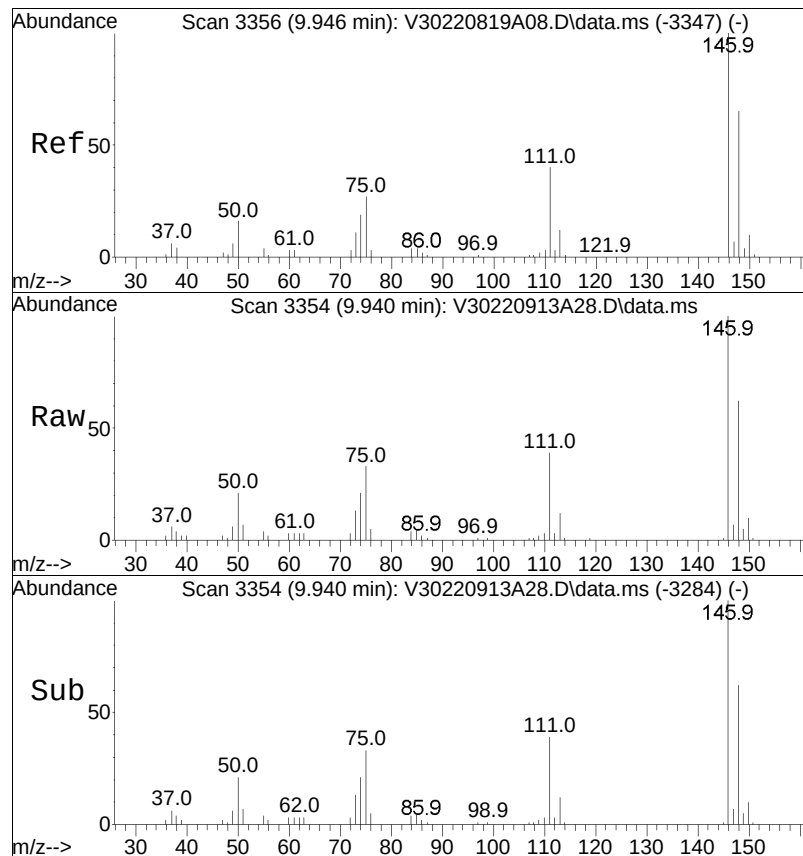




#99
 p-Isopropyltoluene
 Concen: 8.57 ug/L
 RT: 9.915 min Scan# 3345
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

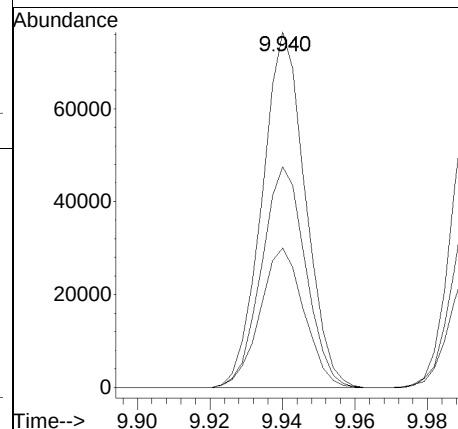
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	16.1	33.3
91	24.3	17.3	35.9

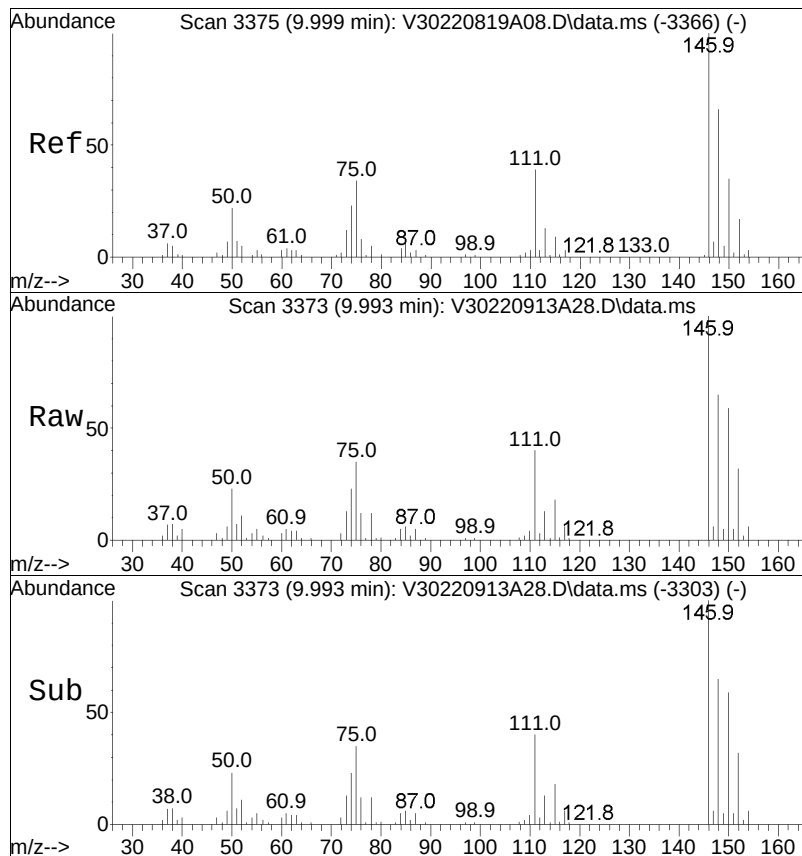




#100
 1,3-Dichlorobenzene
 Concen: 8.45 ug/L
 RT: 9.940 min Scan# 3354
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

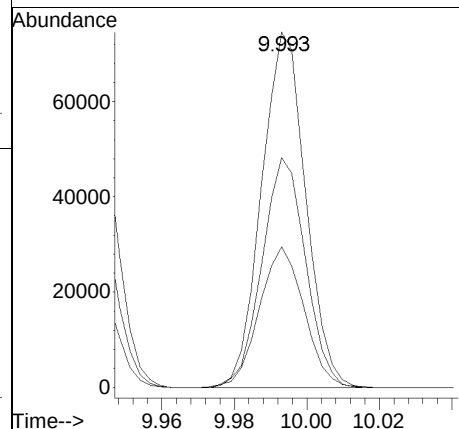
Tgt	Ion:146	Resp:	63432
Ion	Ratio	Lower	Upper
146	100		
111	40.0	27.5	57.1
148	63.2	41.9	86.9

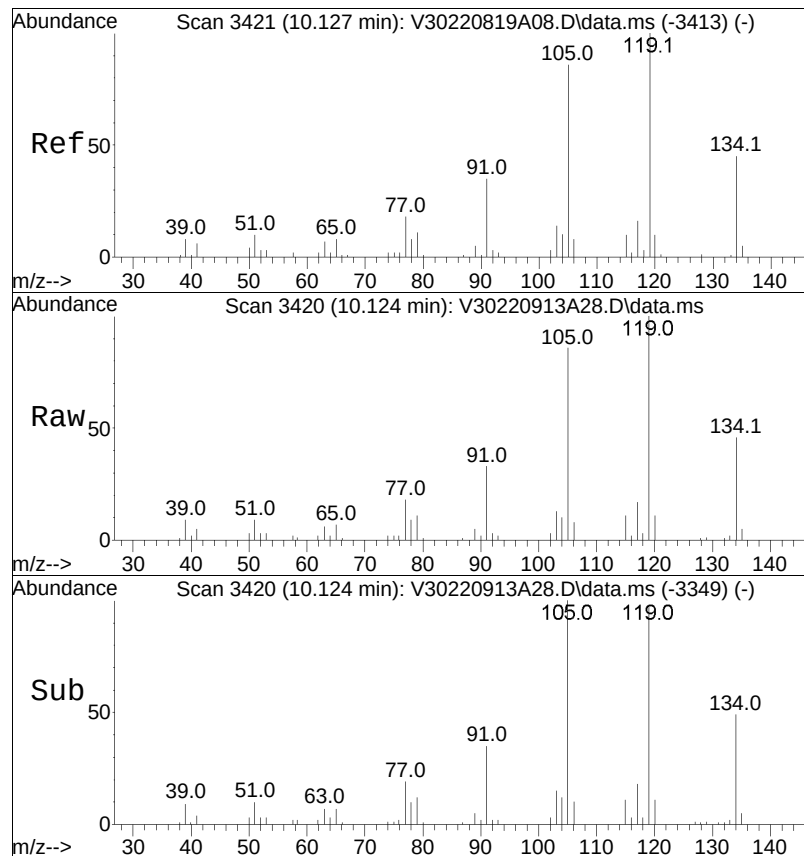




#101
 1,4-Dichlorobenzene
 Concen: 8.34 ug/L
 RT: 9.993 min Scan# 3373
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

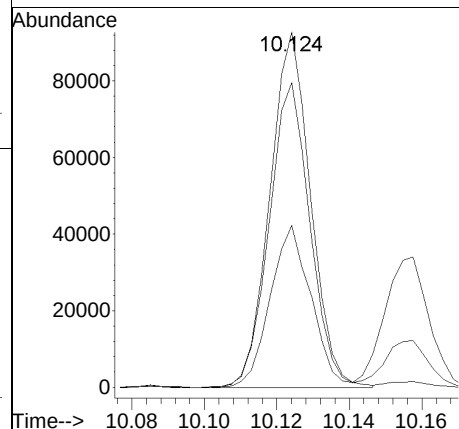
Tgt Ion:	146	Resp:	62938
Ion Ratio	Lower	Upper	
146	100		
111	40.2	32.3	48.5
148	64.0	49.9	74.9

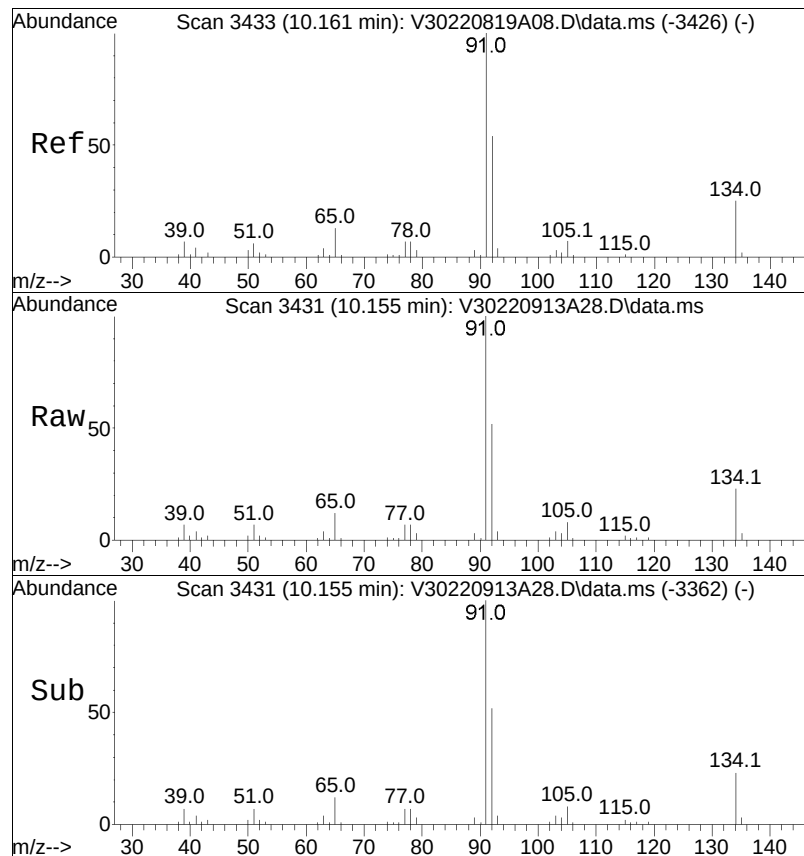




#102
 p-Diethylbenzene
 Concen: 8.02 ug/L
 RT: 10.124 min Scan# 3420
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

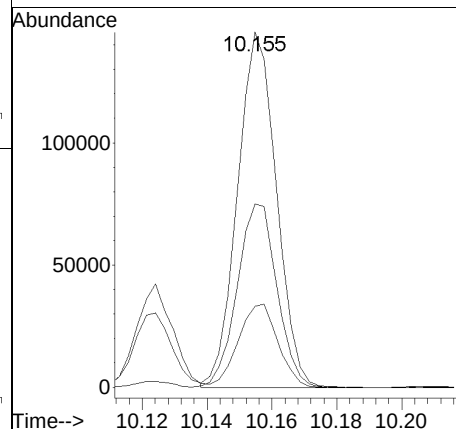
Tgt Ion	Ratio	Lower	Upper
119	100		
105	85.9	59.5	123.7
134	45.8	30.2	62.6

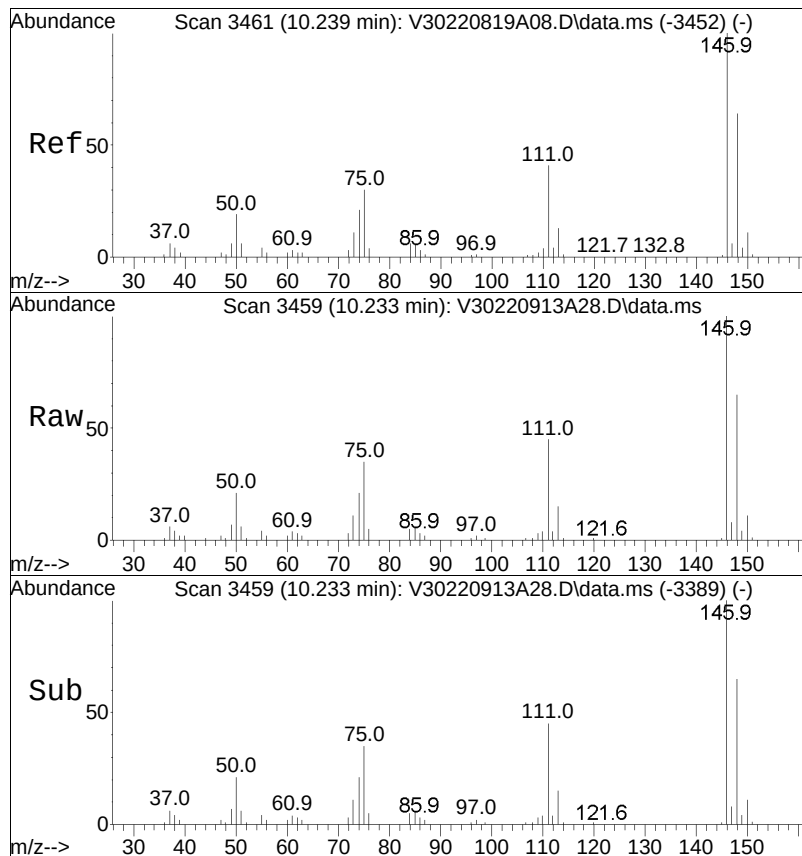




#103
 n-Butylbenzene
 Concen: 8.76 ug/L
 RT: 10.155 min Scan# 3431
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

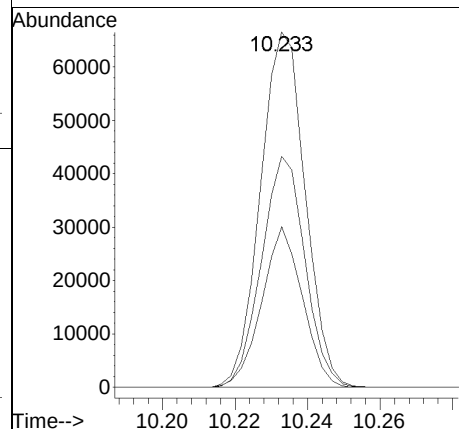
Tgt Ion:	91	Resp:	121000
Ion Ratio	Lower	Upper	
91	100		
92	52.8	43.0	64.4
134	23.8	19.6	29.4

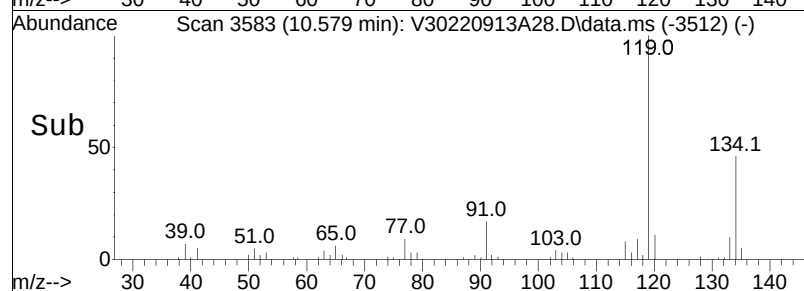
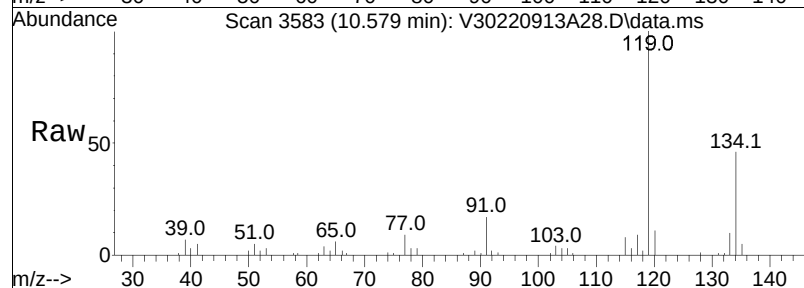
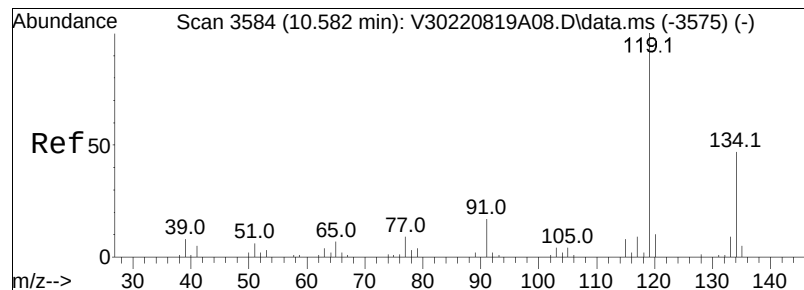




#104
 1,2-Dichlorobenzene
 Concen: 8.11 ug/L
 RT: 10.233 min Scan# 3459
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

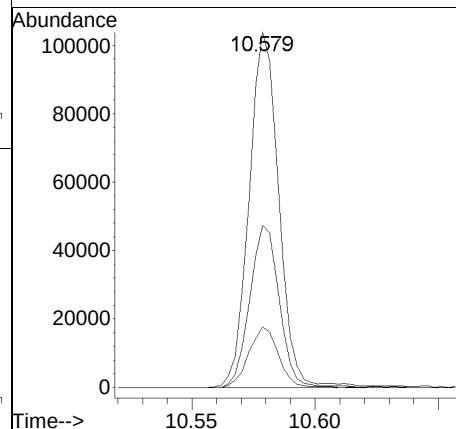
Tgt	Ion:146	Resp:	57088
Ion	Ratio	Lower	Upper
146	100		
111	41.2	28.3	58.7
148	63.3	42.3	87.8

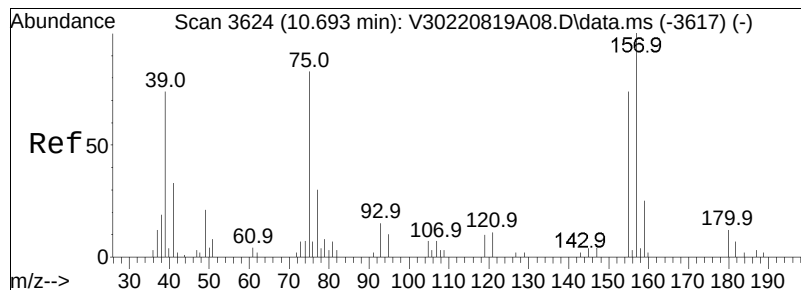




#105
 1,2,4,5-Tetramethylbenzene
 Concen: 6.31 ug/L
 RT: 10.579 min Scan# 3583
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

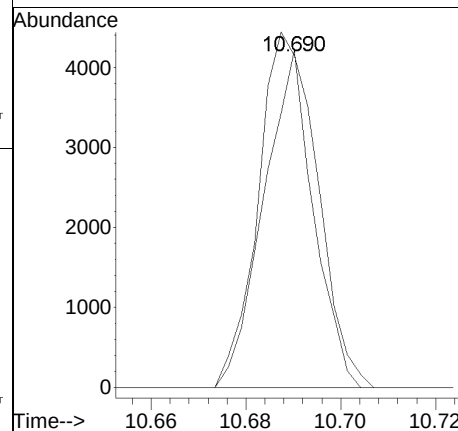
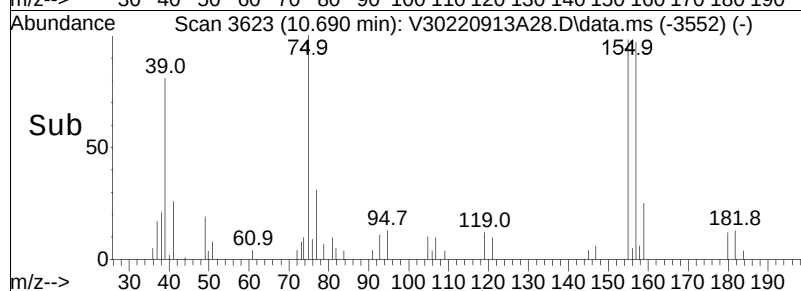
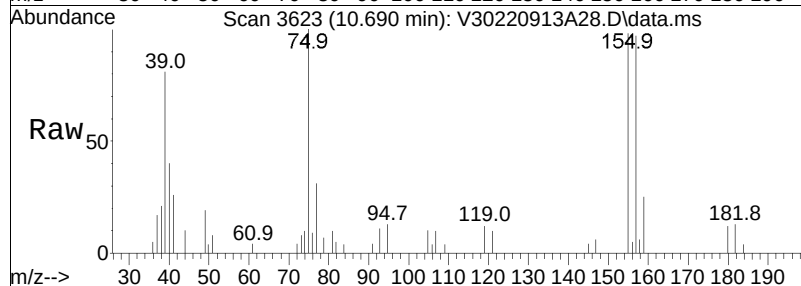
Tgt Ion:	119	Resp:	86856
Ion Ratio	Lower	Upper	
119	100		
134	45.3	30.5	63.3
91	17.0	12.4	25.7

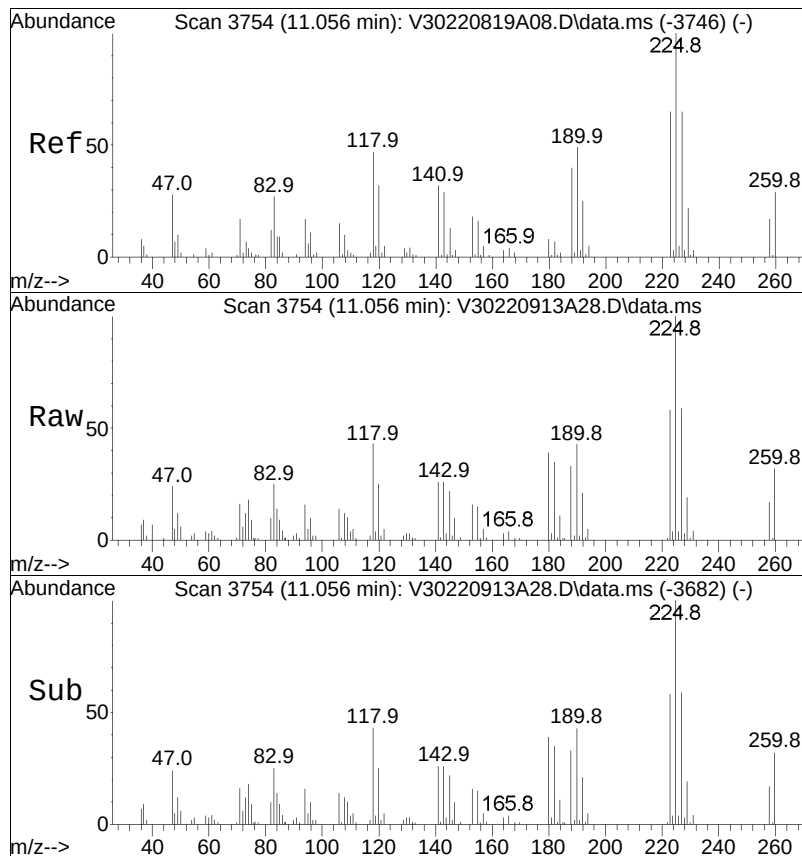




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.41 ug/L
 RT: 10.690 min Scan# 3623
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

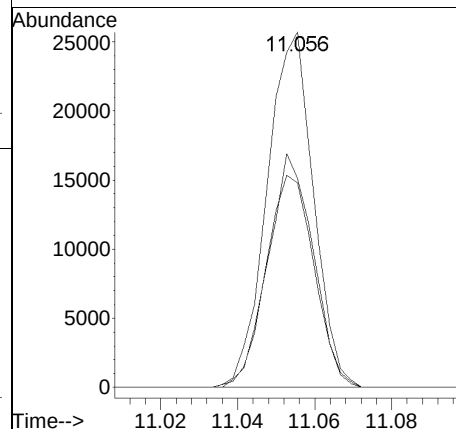
Tgt Ion	Ratio	Lower	Upper
155	100		
157	124.5	94.8	142.2

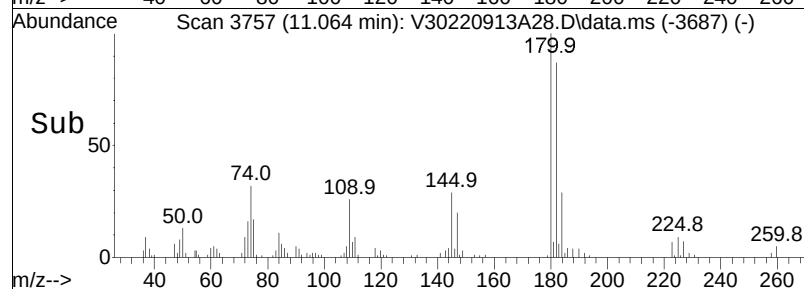
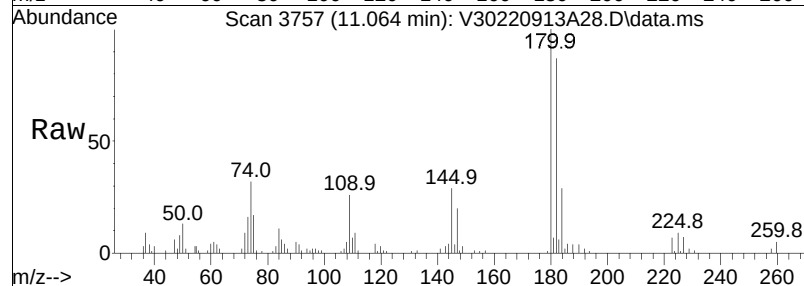
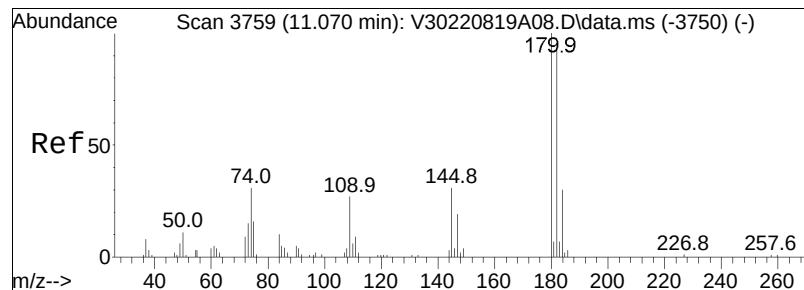




#108
 Hexachlorobutadiene
 Concen: 7.93 ug/L
 RT: 11.056 min Scan# 3754
 Delta R.T. -0.000 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

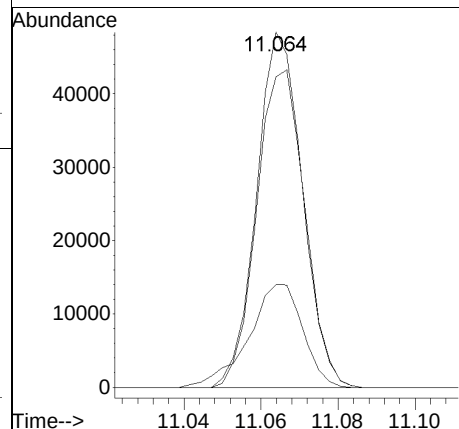
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	54.3	81.5
227	64.5	52.4	78.6

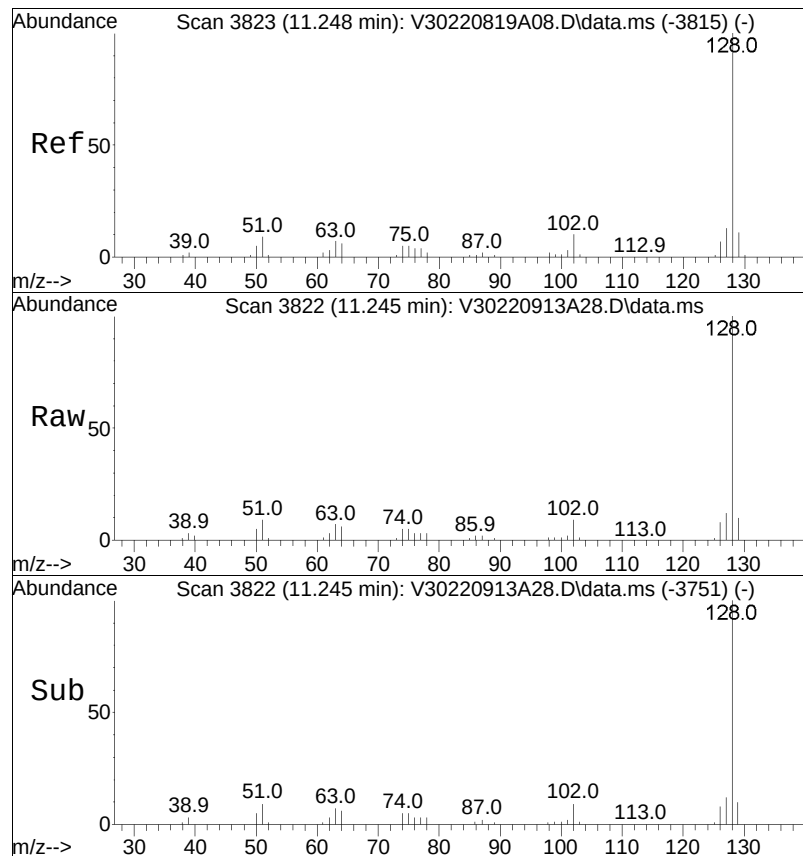




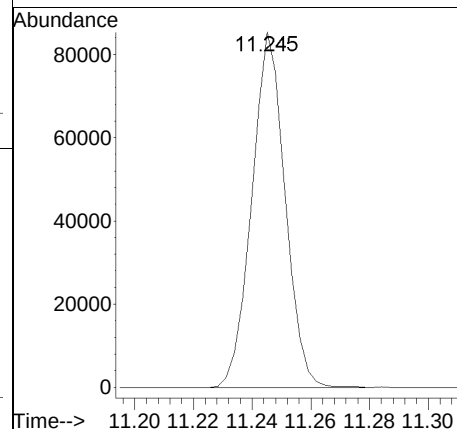
#109
 1,2,4-Trichlorobenzene
 Concen: 7.66 ug/L
 RT: 11.064 min Scan# 3757
 Delta R.T. -0.006 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm

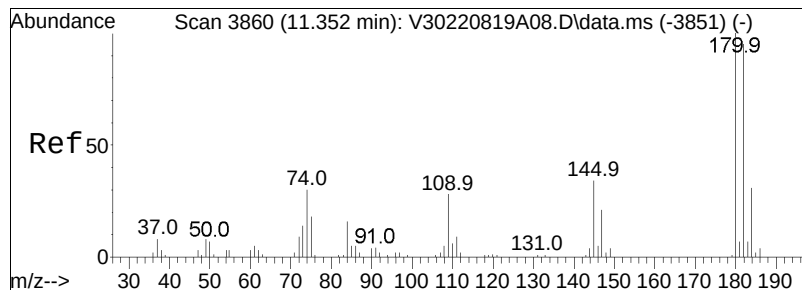
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.3	115.9
145	34.3	28.1	42.1





#110
 Naphthalene
 Concen: 7.16 ug/L
 RT: 11.245 min Scan# 3822
 Delta R.T. -0.003 min
 Lab File: V30220913A28.D
 Acq: 13 Sep 2022 03:31 pm
 Tgt Ion:128 Resp: 67045





#111

1,2,3-Trichlorobenzene

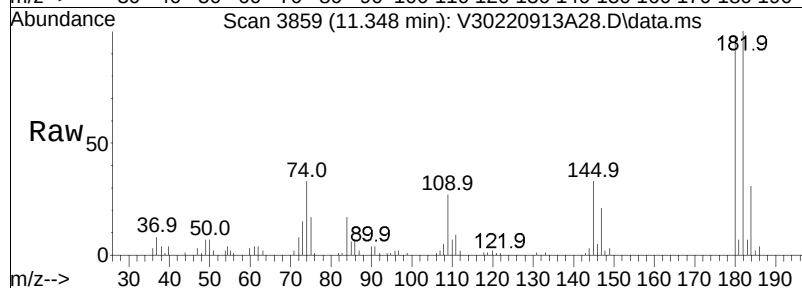
Concen: 7.57 ug/L

RT: 11.348 min Scan# 3859

Delta R.T. -0.003 min

Lab File: V30220913A28.D

Acq: 13 Sep 2022 03:31 pm



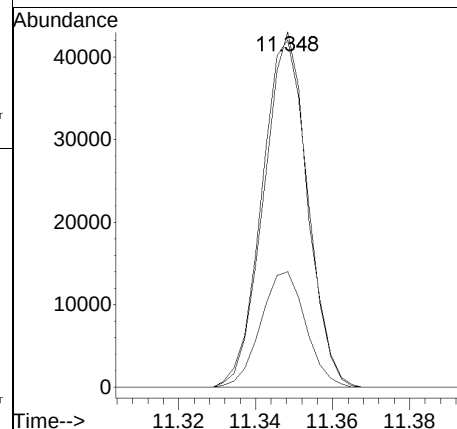
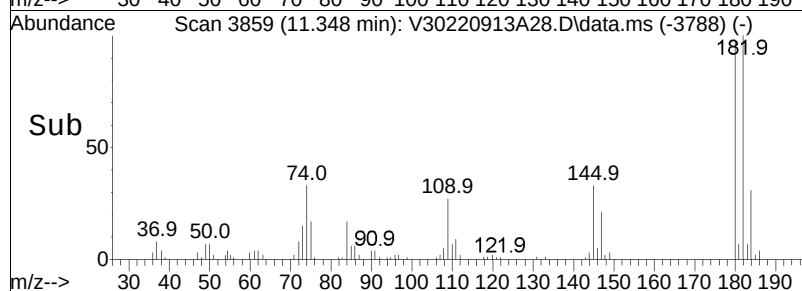
Tgt Ion:180 Resp: 34947

Ion Ratio Lower Upper

180 100

182 97.2 76.4 114.6

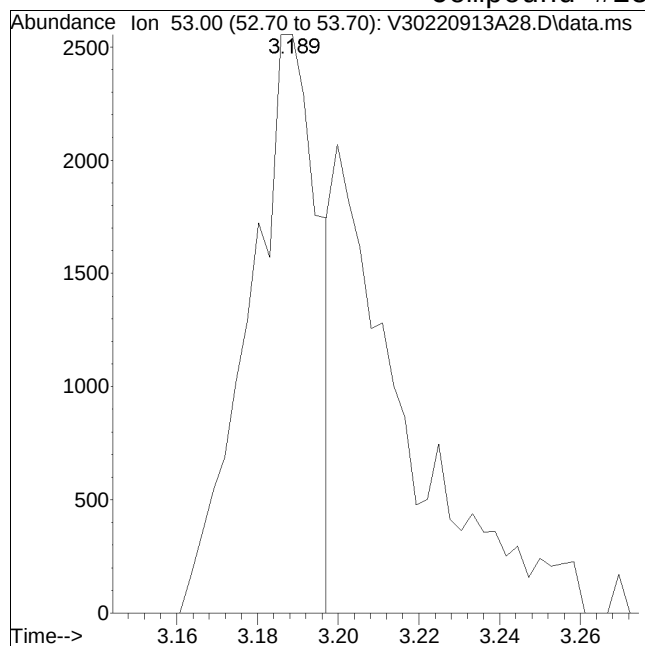
145 32.6 26.4 39.6



Manual Integration Report

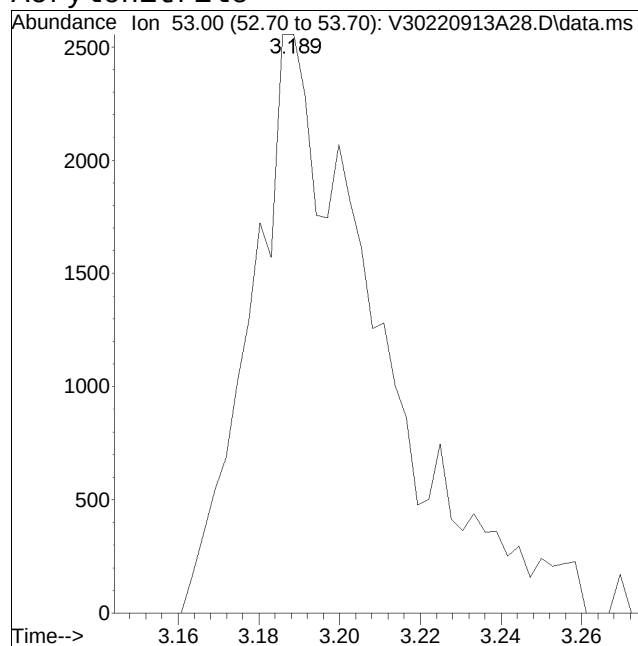
Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220913A28.D Operator : VOA130:PD
Date Inj'd : 9/13/2022 3:31 pm Instrument : VOA130
Sample : WG1686411-6,31,10,10,,c2 Quant Date : 9/13/2022 7:17 pm

Compound #25: Acrylonitrile



Original Peak Response = 3055

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



Manual Peak Response = 5595 M1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A29.D
 Acq On : 13 Sep 2022 03:51 pm
 Operator : VOA130:PD
 Sample : WG1686411-7,31,10,10,,c1
 Misc : WG1686411,ICAL19274
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 13 19:17:20 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.484	96	160160	10.000	ug/L	0.00
Standard Area 1 = 167817			Recovery =	95.44%		
59) Chlorobenzene-d5	8.496	117	115485	10.000	ug/L	0.00
Standard Area 1 = 125779			Recovery =	91.82%		
79) 1,4-Dichlorobenzene-d4	9.985	152	61194	10.000	ug/L	0.00
Standard Area 1 = 66872			Recovery =	91.51%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.494	113	43259	10.228	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.28%		
43) 1,2-Dichloroethane-d4	5.135	65	45310	9.757	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.57%		
60) Toluene-d8	7.193	98	152943	10.196	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.96%		
83) 4-Bromofluorobenzene	9.316	95	56841	9.797	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.97%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.938	85	18375	5.637	ug/L	99
3) Chloromethane	1.058	50	30144	8.014	ug/L	100
4) Vinyl chloride	1.109	62	74559	19.979	ug/L	89
5) Bromomethane	1.312	94	12379	4.819	ug/L	98
6) Chloroethane	1.399	64	29047	12.391	ug/L	96
7) Trichlorofluoromethane	1.493	101	61556	10.730	ug/L	98
8) Ethyl ether	1.728	74	11267	8.328	ug/L	92
10) 1,1-Dichloroethene	1.856	96	33090	10.851	ug/L	79
11) Carbon disulfide	1.859	76	83864	11.083	ug/L	100
15) Methylene chloride	2.338	84	34217	10.008	ug/L	78
17) Acetone	2.402	43	5359	10.138	ug/L	96
18) trans-1,2-Dichloroethene	2.486	96	66226	20.076	ug/L	84
20) Methyl tert-butyl ether	2.620	73	50065	7.793	ug/L	92
23) 1,1-Dichloroethane	3.119	63	66135	10.034	ug/L	98
25) Acrylonitrile	3.192	53	6148	8.838	ug/L #	91
27) Vinyl acetate	3.496	43	47791	8.111	ug/L	99
28) cis-1,2-Dichloroethene	3.811	96	269942	71.234	ug/L #	78
29) 2,2-Dichloropropane	3.950	77	40028	9.210	ug/L #	66
30) Bromochloromethane	4.081	128	15123	9.173	ug/L #	69
32) Chloroform	4.246	83	65768	10.176	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A29.D
 Acq On : 13 Sep 2022 03:51 pm
 Operator : VOA130:PD
 Sample : WG1686411-7,31,10,10,,c1
 Misc : WG1686411,ICAL19274
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 13 19:17:20 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34)	Carbon tetrachloride	4.374	117	49758	10.838	ug/L	# 95
37)	1,1,1-Trichloroethane	4.469	97	51821	9.648	ug/L	# 94
39)	2-Butanone	4.684	43	7669	9.488	ug/L	# 74
40)	1,1-Dichloropropene	4.642	75	45935	10.054	ug/L	96
41)	Benzene	4.957	78	135914	10.011	ug/L	93
44)	1,2-Dichloroethane	5.219	62	42965	9.032	ug/L	98
48)	Trichloroethene	5.679	95	123733	35.021	ug/L	98
50)	Dibromomethane	6.131	93	17378	9.234	ug/L	97
51)	1,2-Dichloropropane	6.242	63	34422	9.605	ug/L	96
54)	Bromodichloromethane	6.354	83	44911	9.266	ug/L	100
57)	1,4-Dioxane	6.580	88	6997	589.844	ug/L	86
58)	cis-1,3-Dichloropropene	7.015	75	44223	9.177	ug/L	96
61)	Toluene	7.241	92	86430	10.308	ug/L	99
62)	4-Methyl-2-pentanone	7.654	58	6254	8.434	ug/L	# 91
63)	Tetrachloroethene	7.598	166	173349	48.804	ug/L	94
65)	trans-1,3-Dichloropropene	7.667	75	34393	9.492	ug/L	97
68)	1,1,2-Trichloroethane	7.799	83	19285	9.461	ug/L	98
69)	Chlorodibromomethane	7.932	129	29576	9.824	ug/L	98
70)	1,3-Dichloropropane	8.010	76	40433	9.397	ug/L	98
71)	1,2-Dibromoethane	8.094	107	21569	9.364	ug/L	99
72)	2-Hexanone	8.337	43	9993	7.692	ug/L	97
73)	Chlorobenzene	8.507	112	92414	9.981	ug/L	93
74)	Ethylbenzene	8.549	91	165885	10.160	ug/L	99
75)	1,1,1,2-Tetrachloroethane	8.565	131	31363	10.136	ug/L	95
76)	p/m Xylene	8.657	106	128923	21.229	ug/L	98
77)	o Xylene	8.942	106	120377	20.301	ug/L	95
78)	Styrene	8.978	104	200313	20.924	ug/L	92
80)	Bromoform	8.978	173	17521	9.785	ug/L	95
82)	Isopropylbenzene	9.151	105	165945	10.135	ug/L	98
84)	Bromobenzene	9.371	156	37546	9.239	ug/L	96
85)	n-Propylbenzene	9.410	91	203118	10.284	ug/L	98
87)	1,1,2,2-Tetrachloroethane	9.461	83	26543	8.946	ug/L	99
88)	4-Ethyltoluene	9.480	105	160222	9.918	ug/L	98
89)	2-Chlorotoluene	9.491	91	137260	9.944	ug/L	98
90)	1,3,5-Trimethylbenzene	9.536	105	132474	9.484	ug/L	94
91)	1,2,3-Trichloropropane	9.530	75	21180	8.885	ug/L	97
92)	trans-1,4-Dichloro-2-b...	9.564	53	7217	8.699	ug/L	86
93)	4-Chlorotoluene	9.594	91	119127	9.619	ug/L	96
94)	tert-Butylbenzene	9.720	119	121841	10.108	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A29.D
 Acq On : 13 Sep 2022 03:51 pm
 Operator : VOA130:PD
 Sample : WG1686411-7,31,10,10,,c1
 Misc : WG1686411,ICAL19274
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 13 19:17:20 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220913A\V30220913A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.762	105	124731	9.080	ug/L	95
98)	sec-Butylbenzene	9.826	105	188354	10.432	ug/L	98
99)	p-Isopropyltoluene	9.915	119	152853	9.891	ug/L	97
100)	1,3-Dichlorobenzene	9.940	146	75532	9.688	ug/L	99
101)	1,4-Dichlorobenzene	9.993	146	73711	9.402	ug/L	98
102)	p-Diethylbenzene	10.124	119	88543	9.459	ug/L	94
103)	n-Butylbenzene	10.155	91	145410	10.131	ug/L	99
104)	1,2-Dichlorobenzene	10.233	146	68487	9.370	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.579	119	104836	7.329	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.690	155	3750	9.858	ug/L	93
108)	Hexachlorobutadiene	11.053	225	26492	9.394	ug/L	95
109)	1,2,4-Trichlorobenzene	11.067	180	46812	8.654	ug/L	98
110)	Naphthalene	11.245	128	82473	8.479	ug/L	100
111)	1,2,3-Trichlorobenzene	11.346	180	42403	8.839	ug/L	100

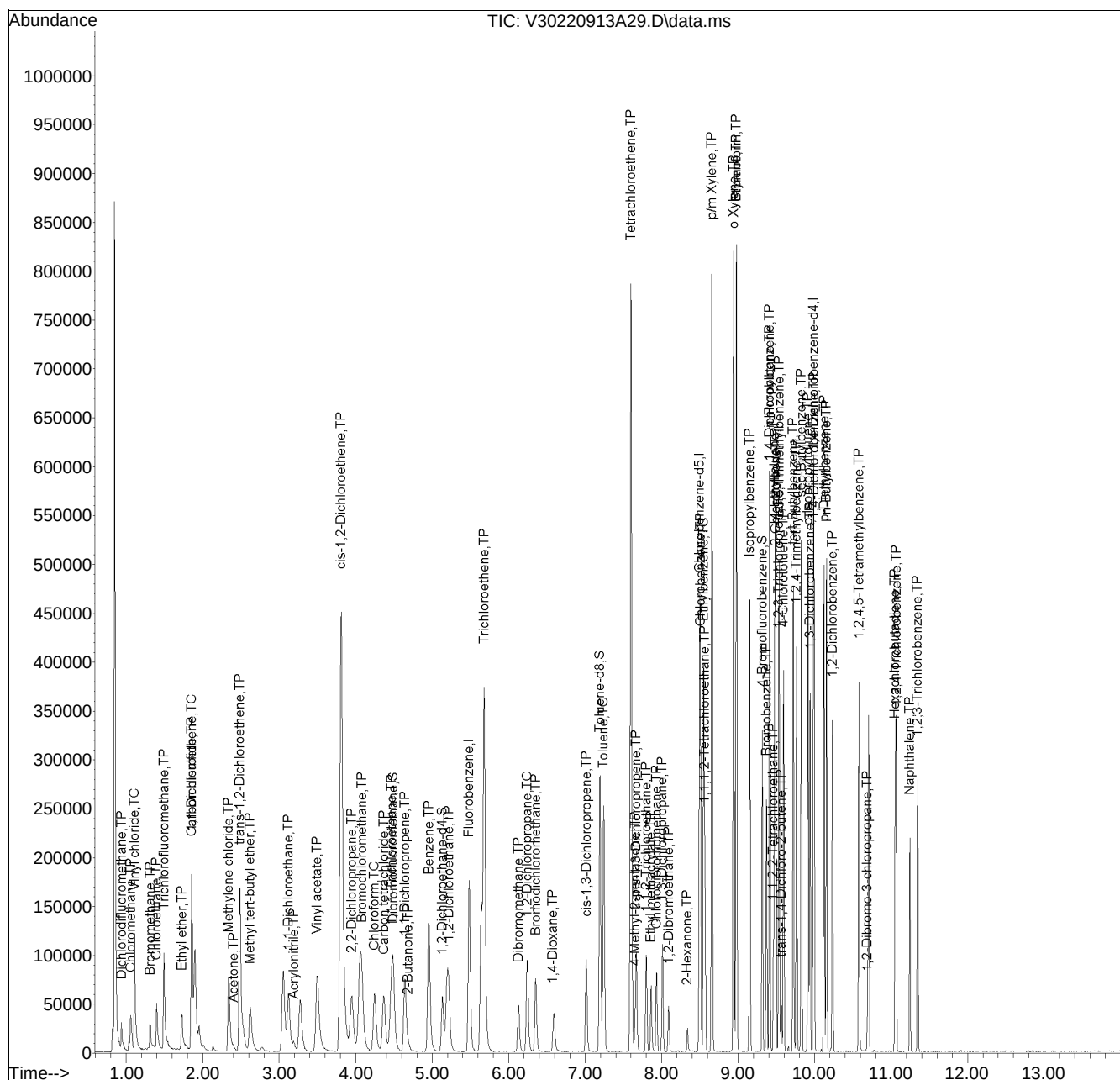
(#) = qualifier out of range (m) = manual integration (+) = signals summed

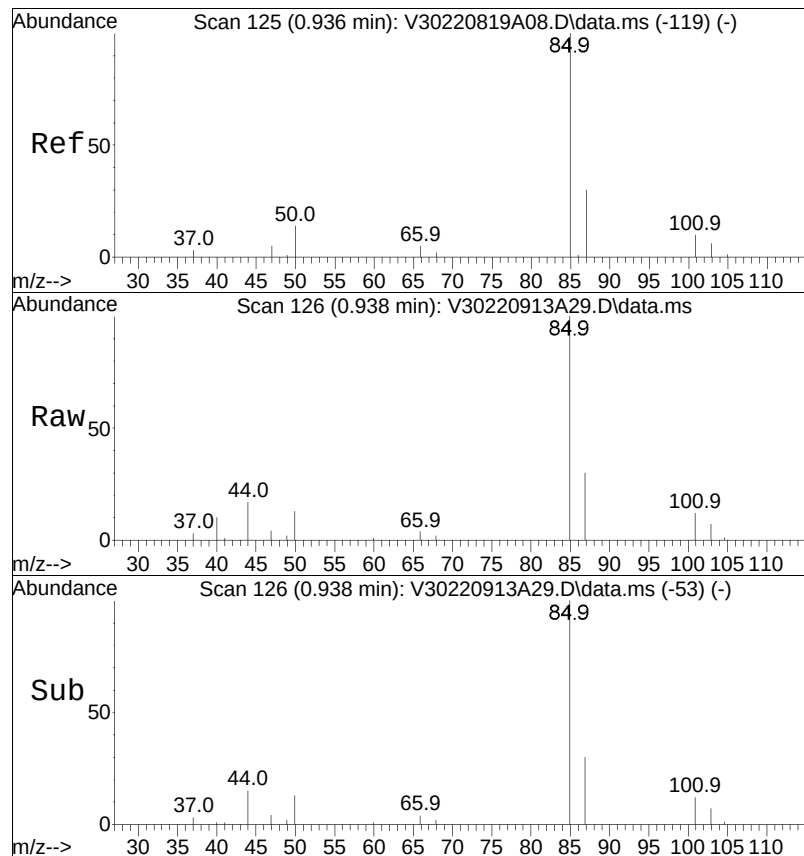
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220913A\
 Data File : V30220913A29.D
 Acq On : 13 Sep 2022 03:51 pm
 Operator : VOA130:PD
 Sample : WG1686411-7,31,10,10,,c1
 Misc : WG1686411,ICAL19274
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 13 19:17:20 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220913A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

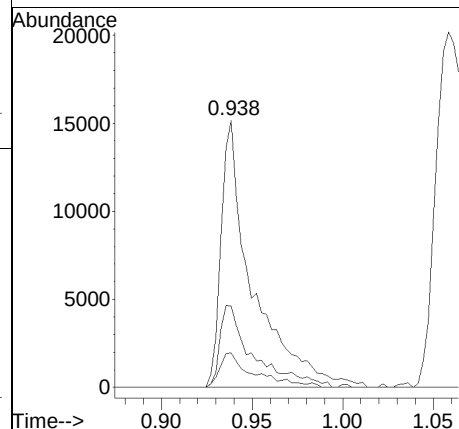
Sub List : 8260-NYTCL - Megamix plus Diox20913A\V30220913A02.D•

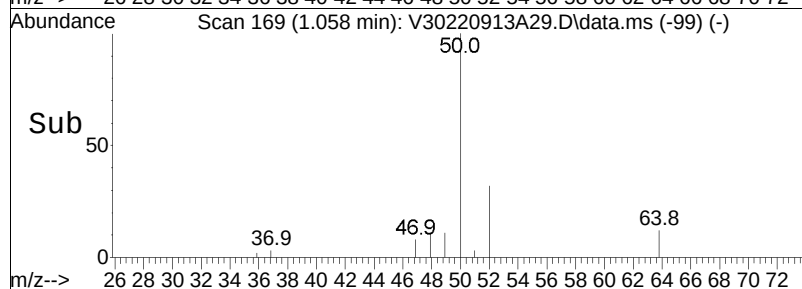
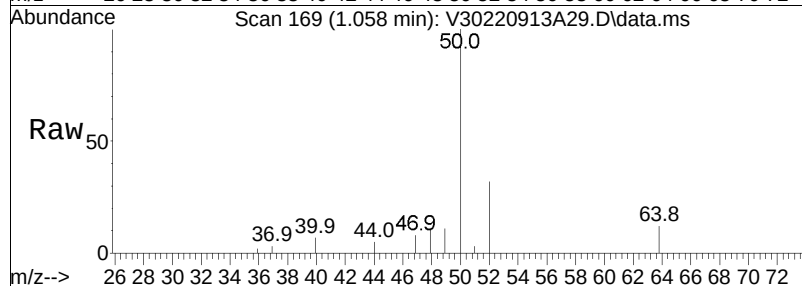
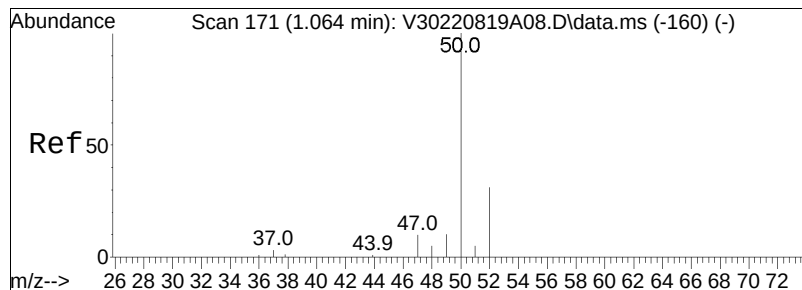




#2
 Dichlorodifluoromethane
 Concen: 5.64 ug/L
 RT: 0.938 min Scan# 126
 Delta R.T. 0.002 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

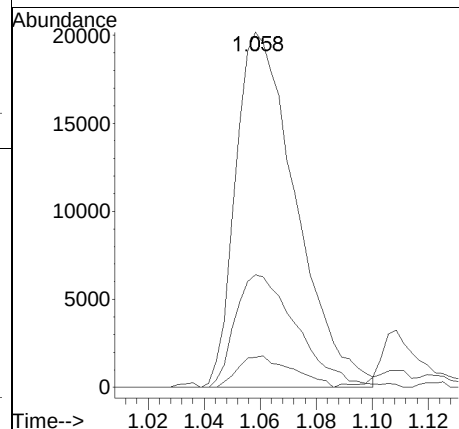
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	18375		
87	32.5		21.0	43.6
50	14.1		8.9	18.5

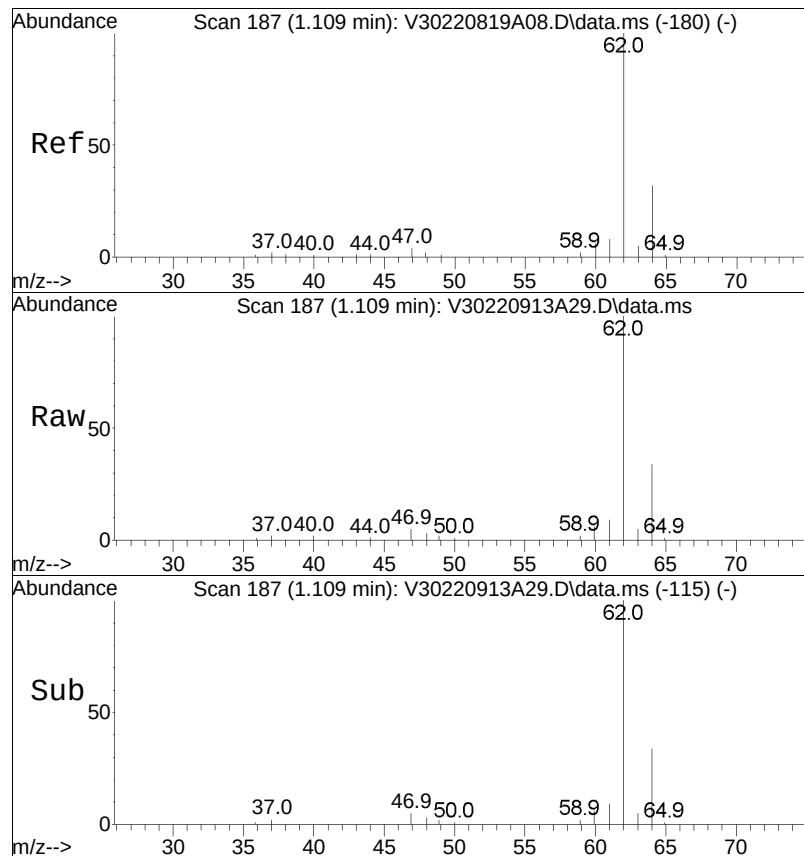




#3
Chloromethane
Concen: 8.01 ug/L
RT: 1.058 min Scan# 169
Delta R.T. -0.006 min
Lab File: V30220913A29.D
Acq: 13 Sep 2022 03:51 pm

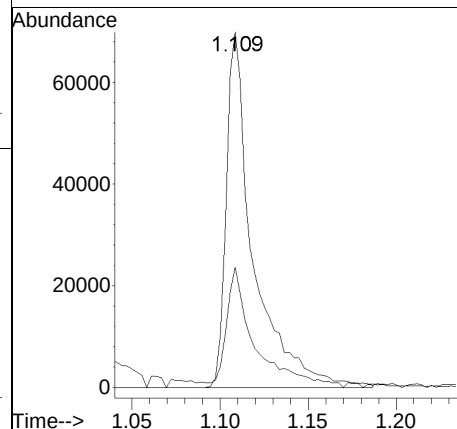
Tgt	Ion: 50	Resp:	30144
Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.9	52.9
47	8.1	0.0	28.3

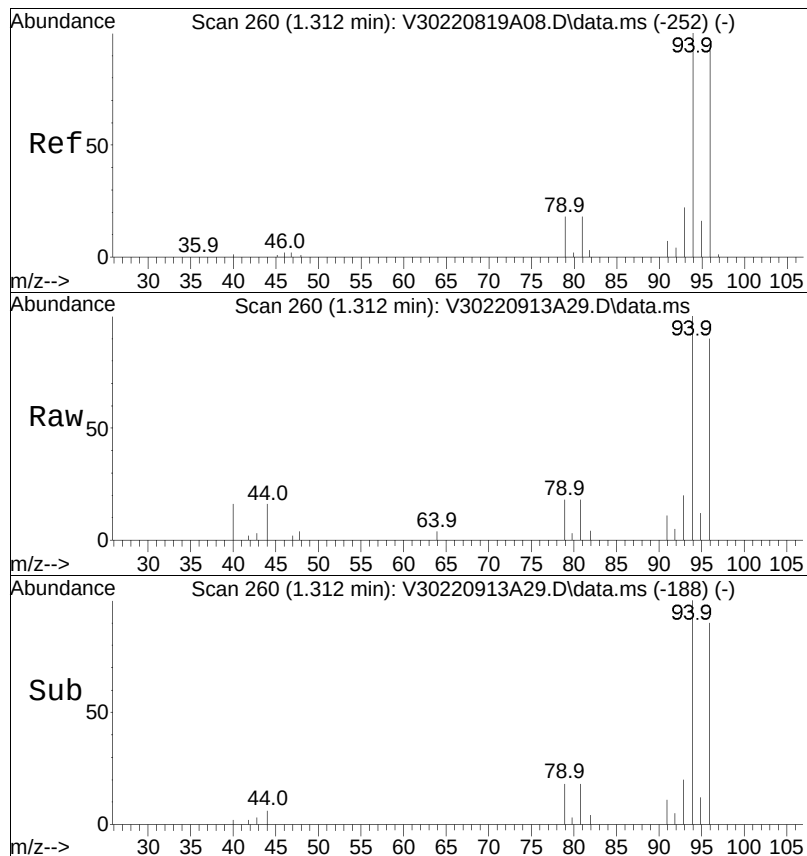




#4
 Vinyl chloride
 Concen: 19.98 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

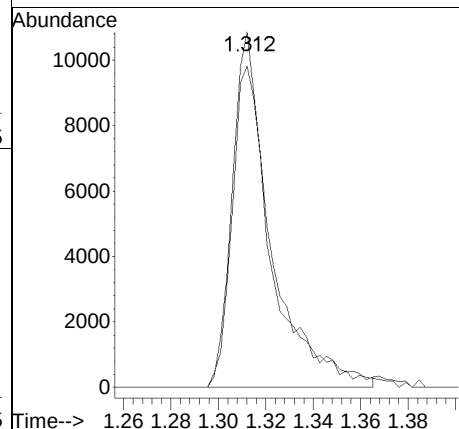
Tgt Ion	Ratio	Lower	Upper
62	100		
64	35.2	9.1	49.1

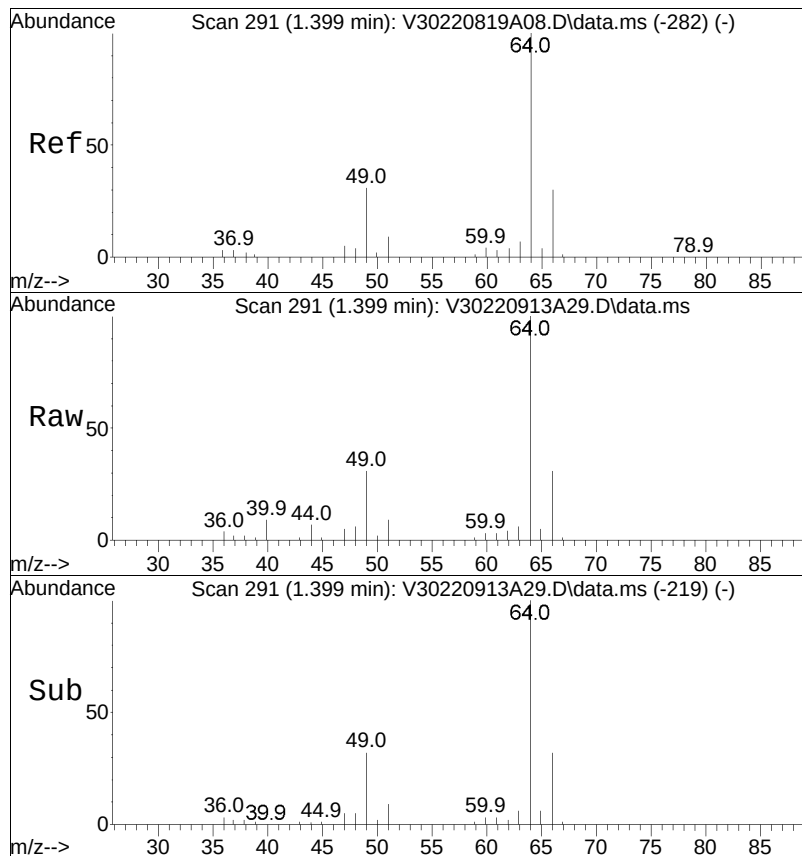




#5
 Bromomethane
 Concen: 4.82 ug/L
 RT: 1.312 min Scan# 260
 Delta R.T. 0.000 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

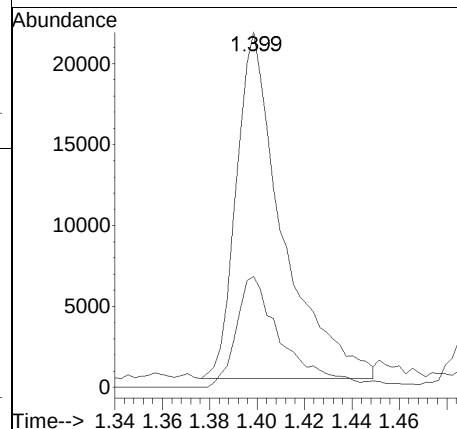
Tgt Ion	Ratio	Lower	Upper
94	100		
96	93.6	75.6	115.6

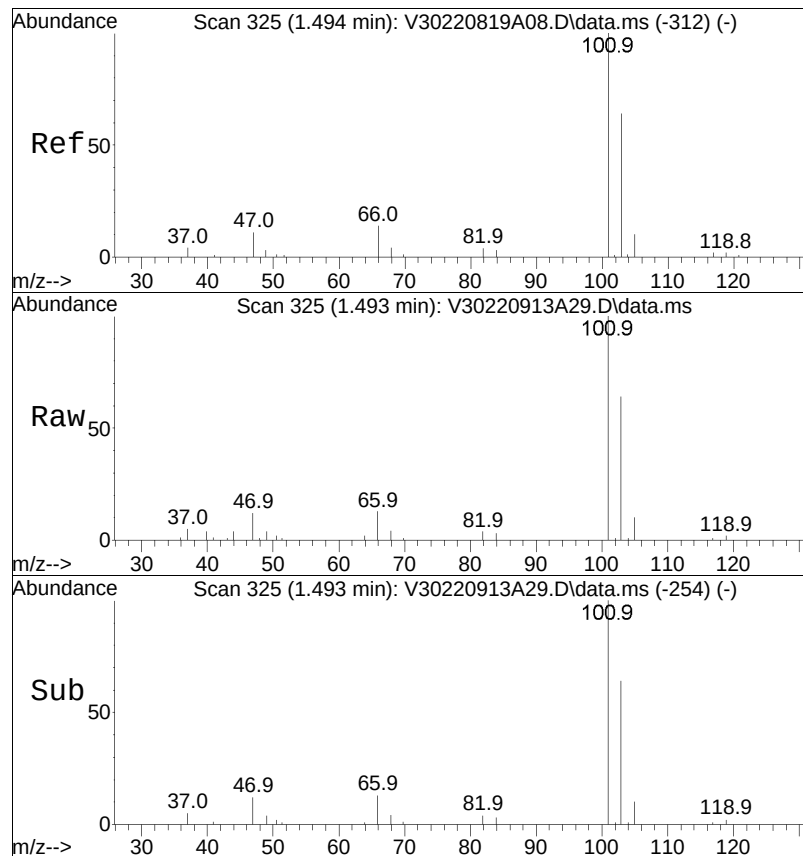




#6
 Chloroethane
 Concen: 12.39 ug/L
 RT: 1.399 min Scan# 291
 Delta R.T. -0.000 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

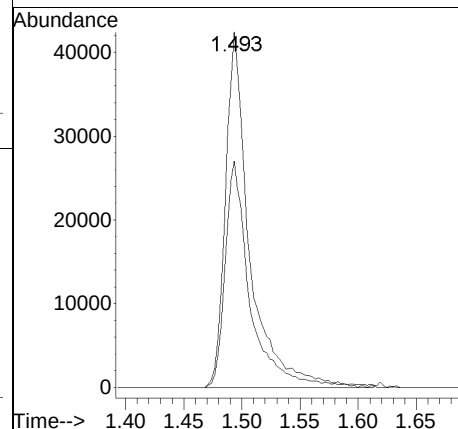
Tgt	Ion	Ratio	Lower	Upper
64	100			
66	31.8		9.8	49.8

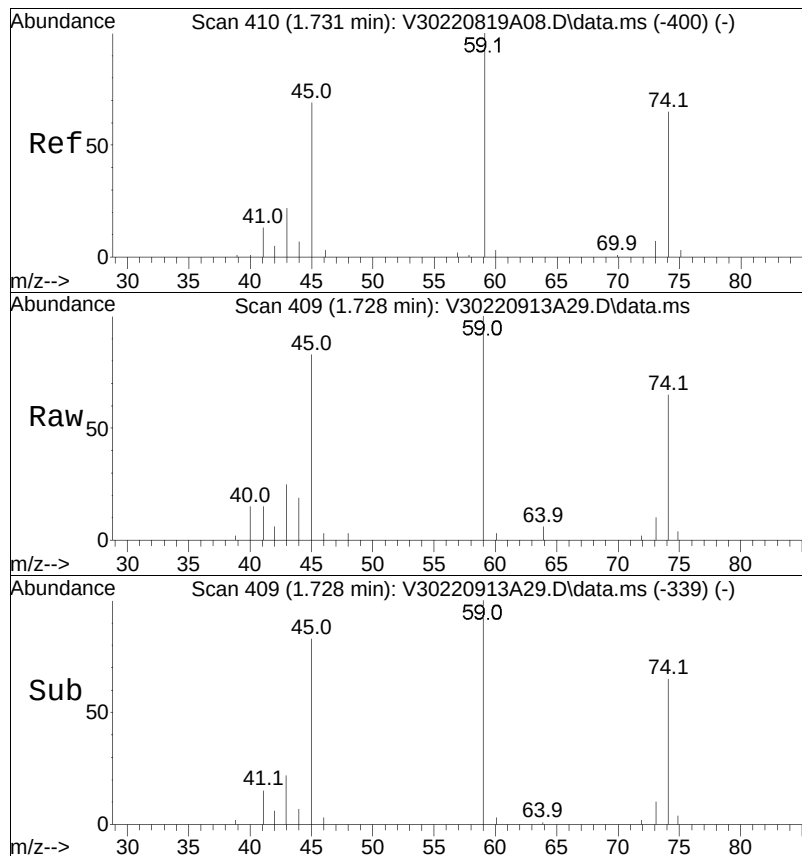




#7
 Trichlorofluoromethane
 Concen: 10.73 ug/L
 RT: 1.493 min Scan# 325
 Delta R.T. -0.001 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

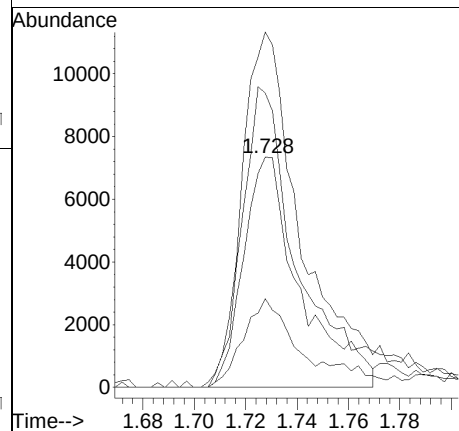
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.8	80.6

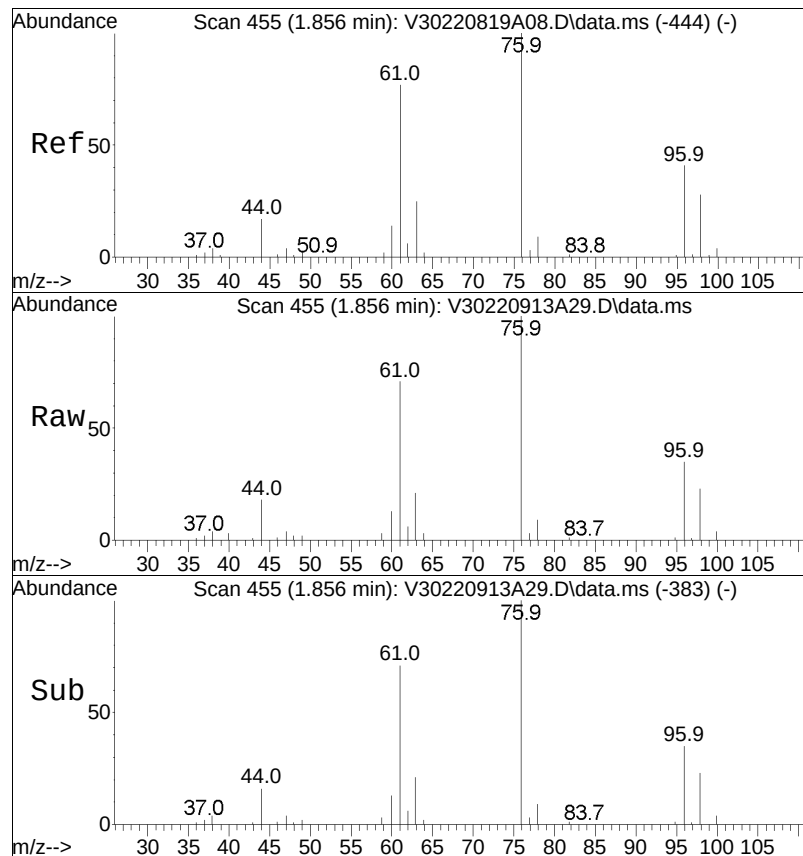




#8
 Ethyl ether
 Concen: 8.33 ug/L
 RT: 1.728 min Scan# 409
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

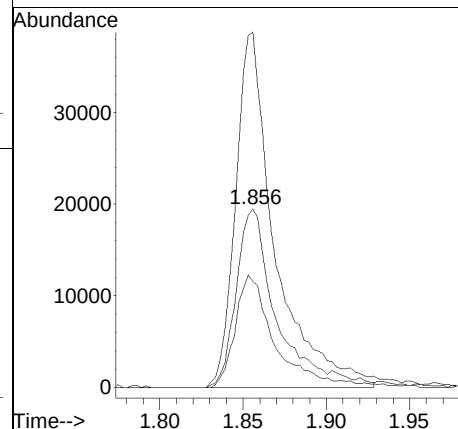
Tgt Ion:	74	Resp:	11267
Ion Ratio	Lower	Upper	
74	100		
59	166.7	122.2	253.8
45	139.7	91.9	190.9
43	40.7	25.2	52.2

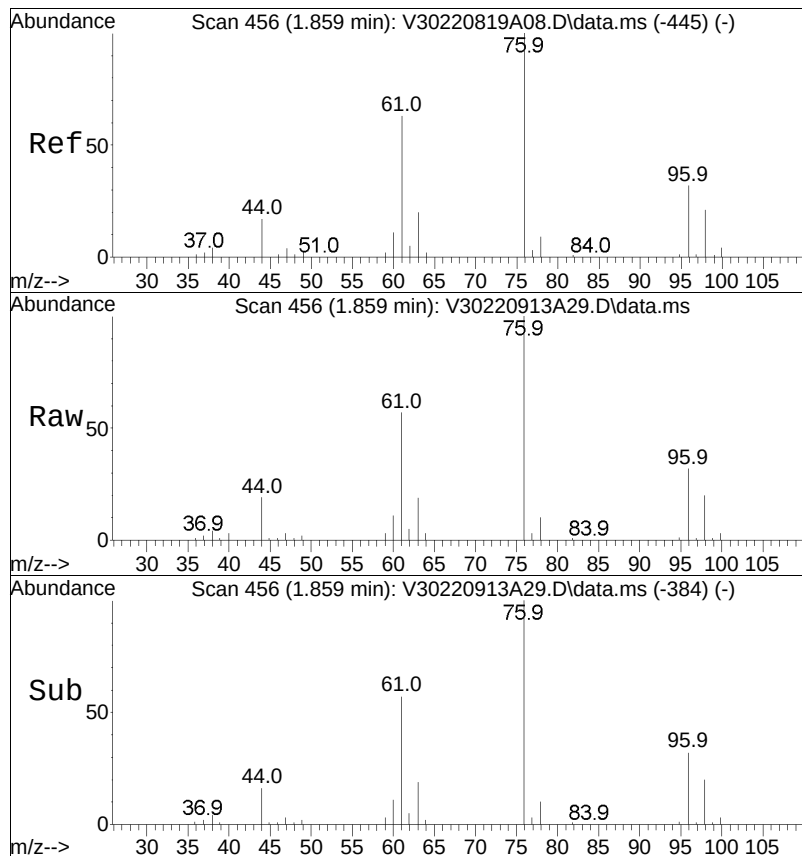




#10
 1,1-Dichloroethene
 Concen: 10.85 ug/L
 RT: 1.856 min Scan# 455
 Delta R.T. -0.000 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

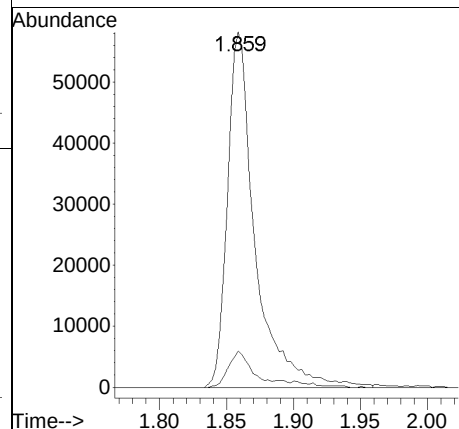
Tgt	Ion	Ratio	Lower	Upper
96	100			
61	194.4	186.1	279.1	
63	59.5	57.6	86.4	

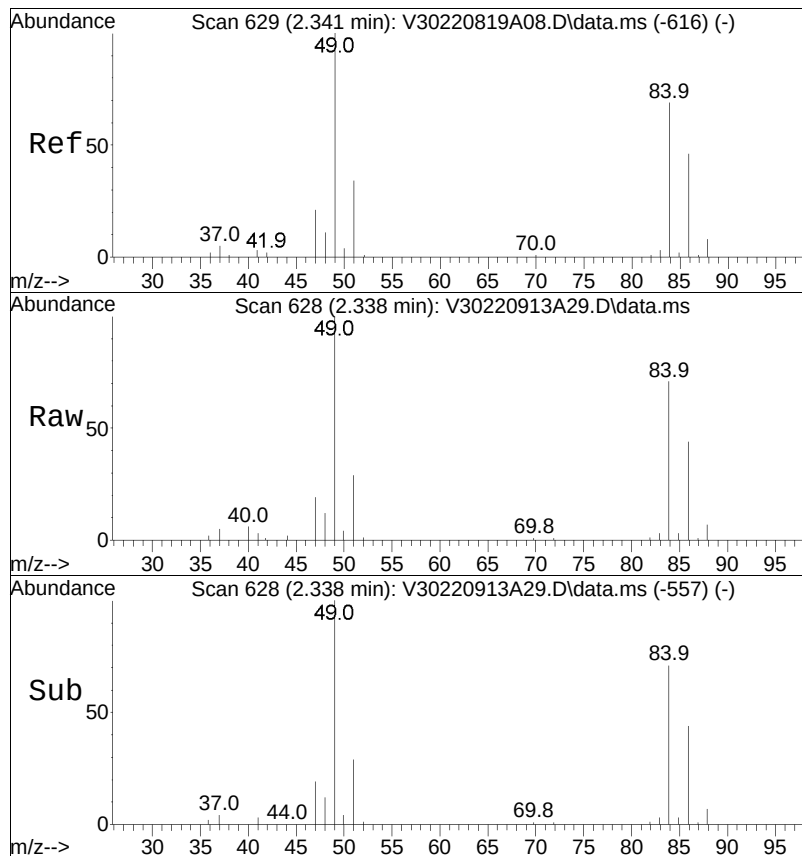




#11
Carbon disulfide
Concen: 11.08 ug/L
RT: 1.859 min Scan# 456
Delta R.T. -0.000 min
Lab File: V30220913A29.D
Acq: 13 Sep 2022 03:51 pm

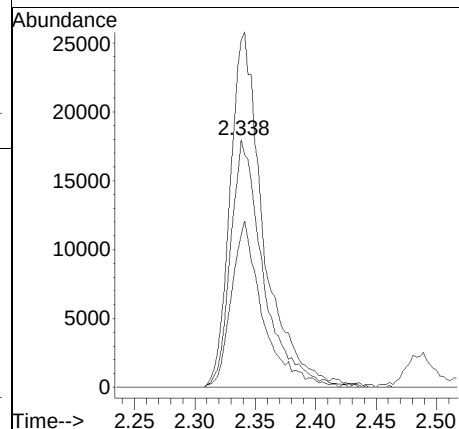
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.6	5.7	11.7

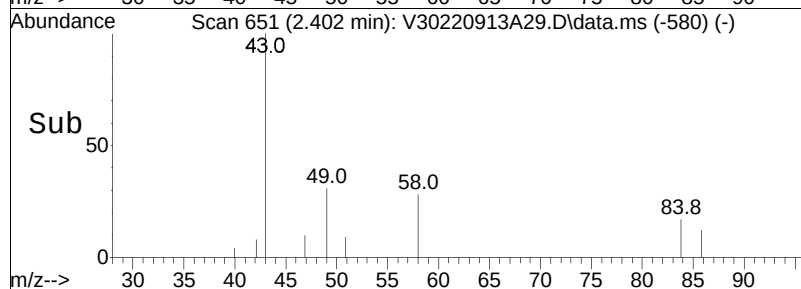
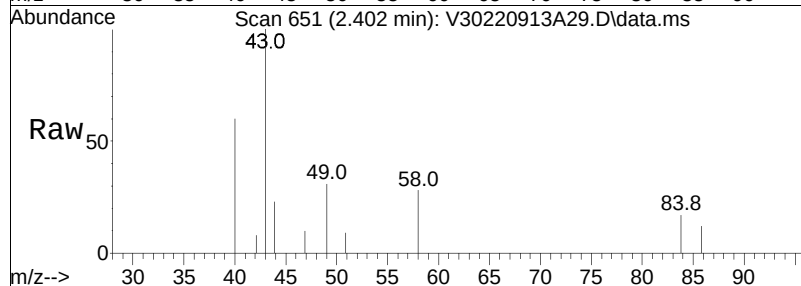
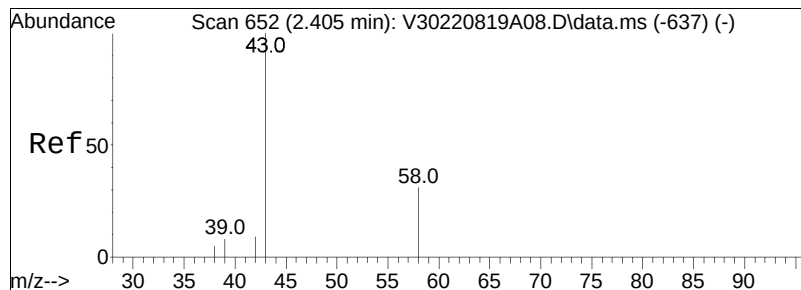




#15
Methylene chloride
Concen: 10.01 ug/L
RT: 2.338 min Scan# 628
Delta R.T. -0.003 min
Lab File: V30220913A29.D
Acq: 13 Sep 2022 03:51 pm

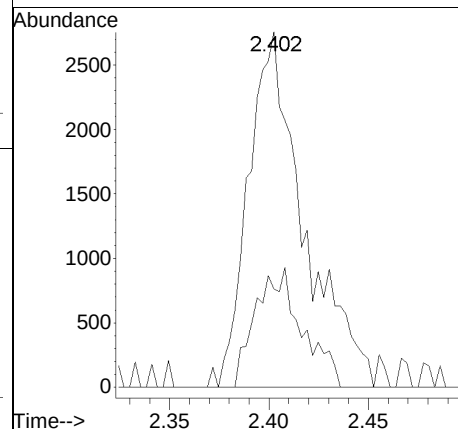
Tgt Ion:	84	Resp:	34217
Ion Ratio	Lower	Upper	
84	100		
86	63.9	40.4	83.8
49	144.2	120.0	249.2

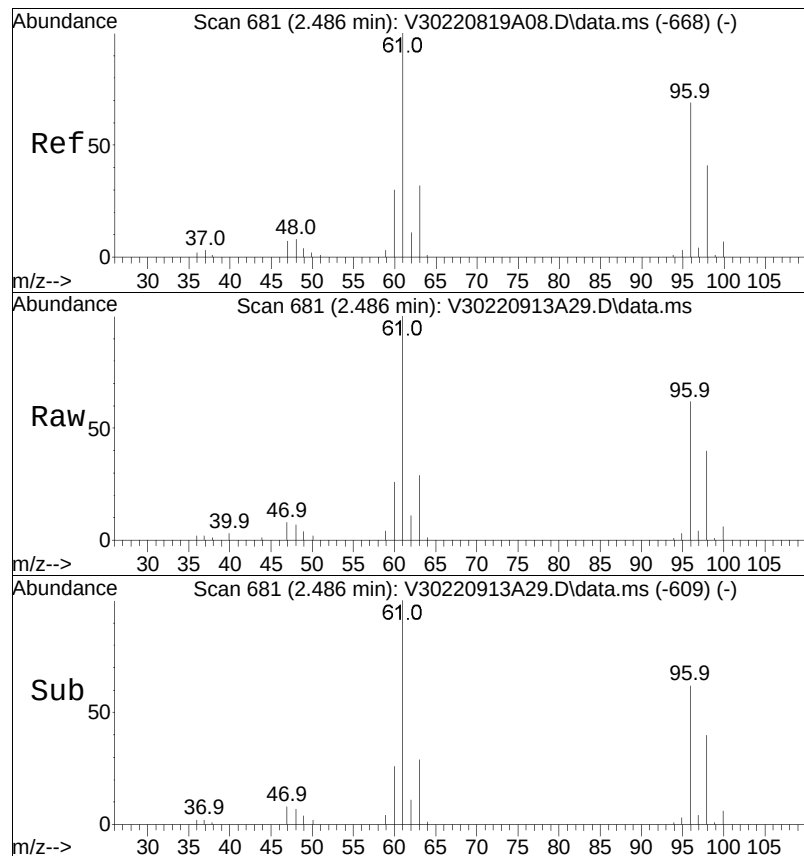




#17
Acetone
Concen: 10.14 ug/L
RT: 2.402 min Scan# 651
Delta R.T. -0.003 min
Lab File: V30220913A29.D
Acq: 13 Sep 2022 03:51 pm

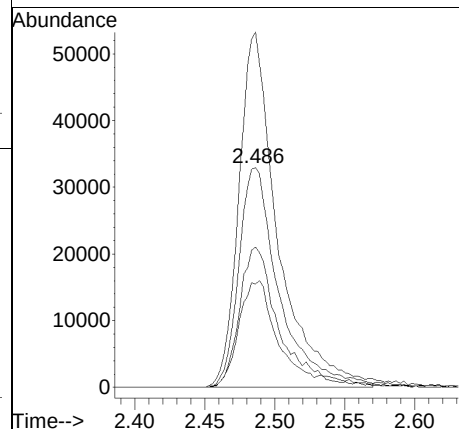
Tgt Ion:	43	58	Ratio	100	28.2	Resp:	5359	Lower	Upper

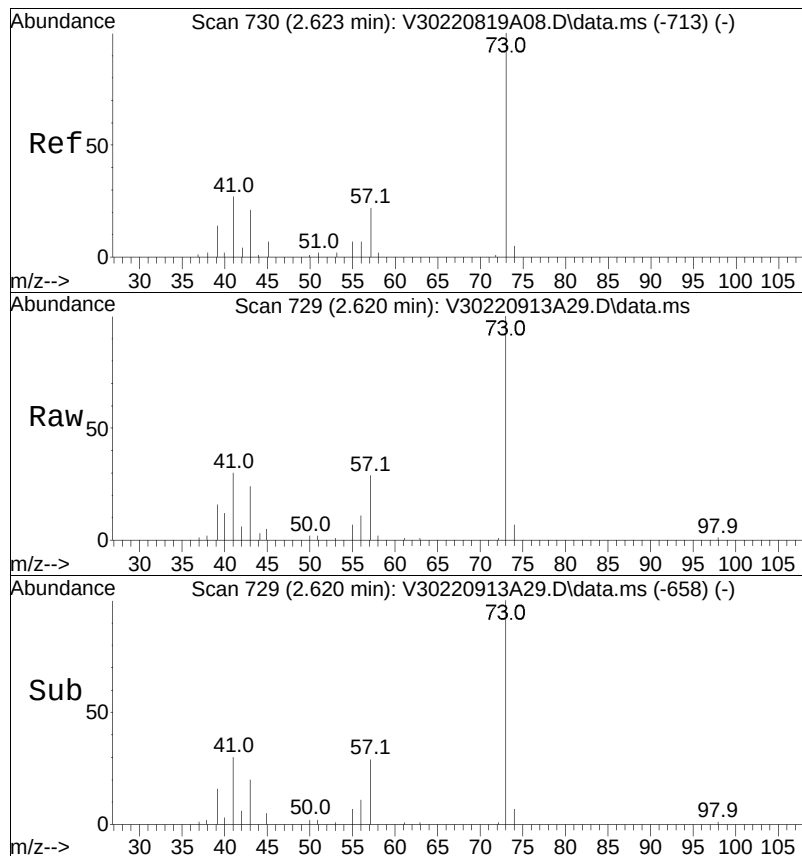




#18
 trans-1,2-Dichloroethene
 Concen: 20.08 ug/L
 RT: 2.486 min Scan# 681
 Delta R.T. 0.000 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

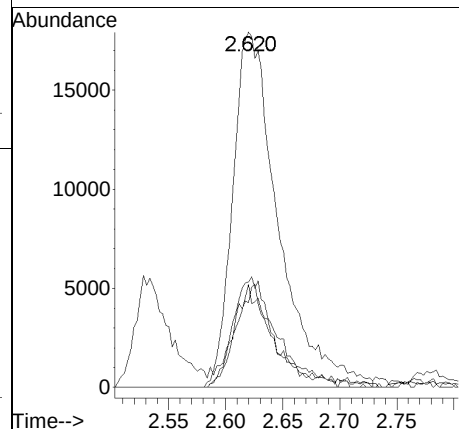
Tgt Ion:	96	Resp:	66226
Ion Ratio	Lower	Upper	
96	100		
61	158.4	124.0	257.6
98	64.2	41.2	85.6
63	48.5	38.4	79.7

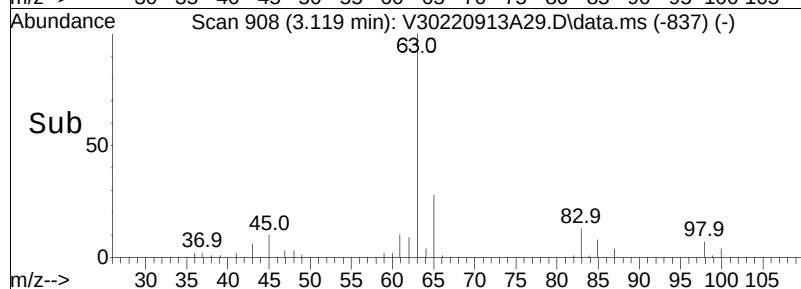
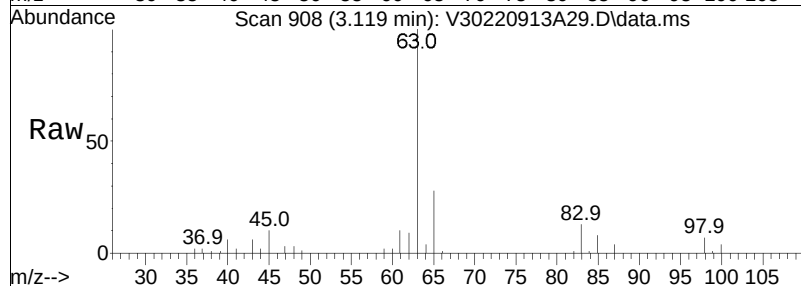
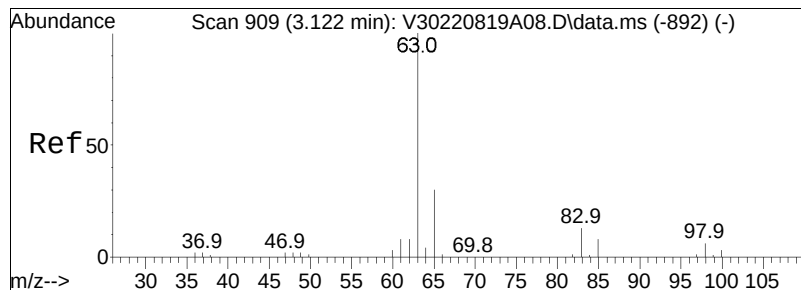




#20
Methyl tert-butyl ether
Concen: 7.79 ug/L
RT: 2.620 min Scan# 729
Delta R.T. -0.003 min
Lab File: V30220913A29.D
Acq: 13 Sep 2022 03:51 pm

Tgt Ion:	73	Resp:	50065
Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.5	36.3
43	20.8	15.3	31.9
41	29.8	15.3	31.7





#23

1,1-Dichloroethane

Concen: 10.03 ug/L

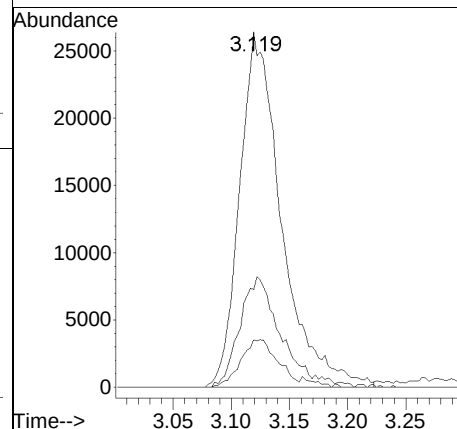
RT: 3.119 min Scan# 908

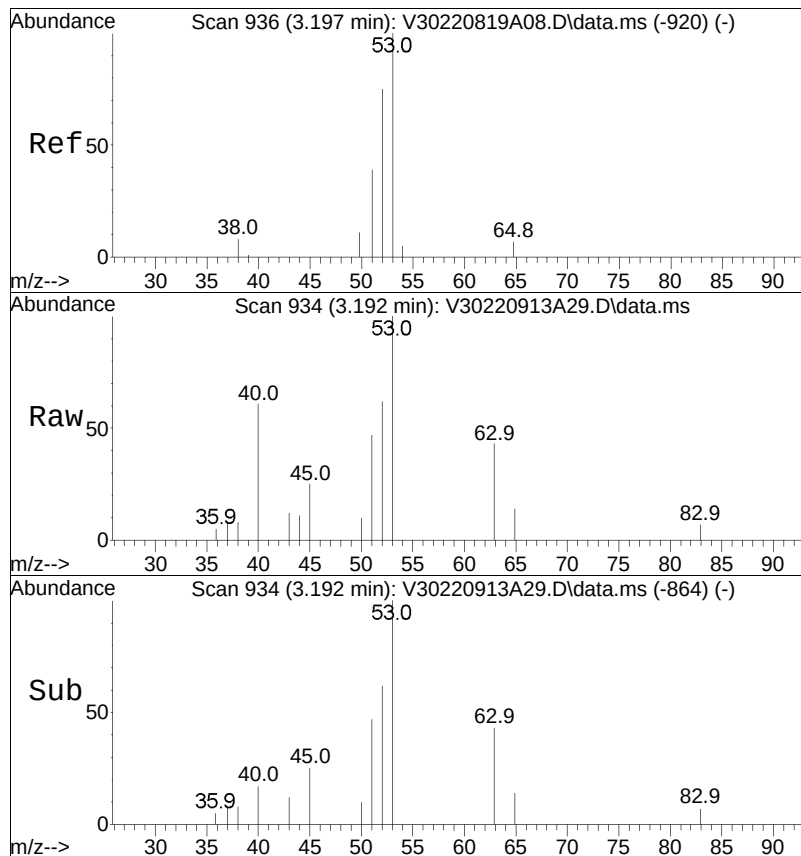
Delta R.T. -0.003 min

Lab File: V30220913A29.D

Acq: 13 Sep 2022 03:51 pm

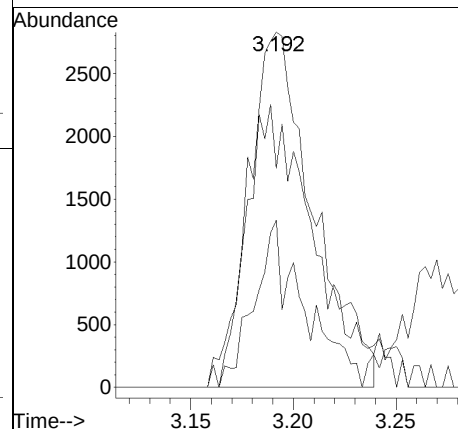
Tgt Ion:	63	Resp:	66135
Ion Ratio	Lower	Upper	
63	100		
65	29.3	11.0	51.0
83	11.9	0.0	31.8

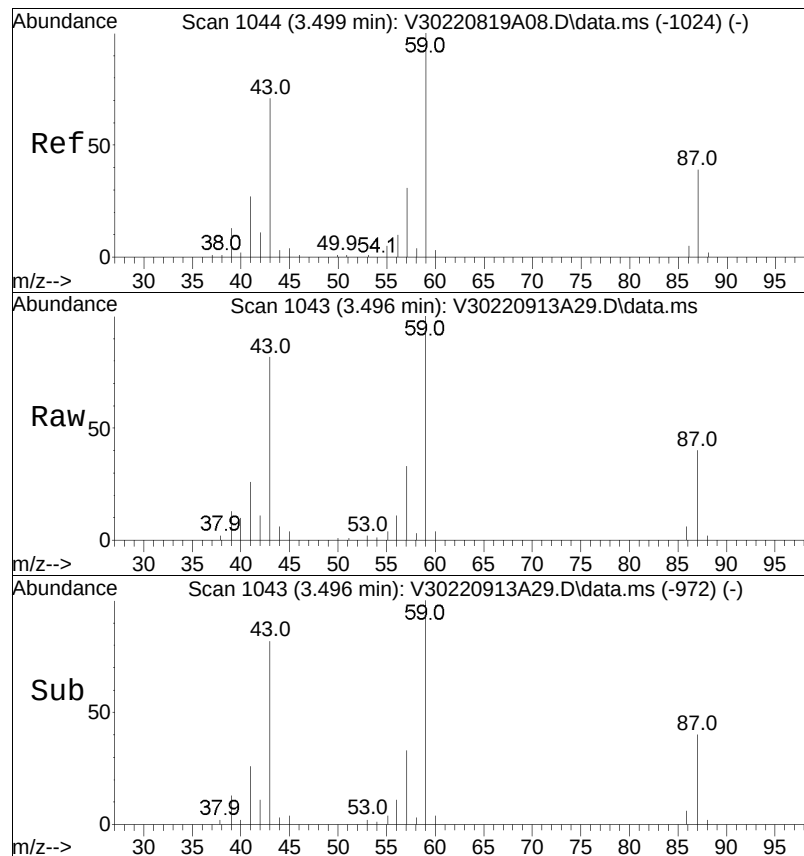




#25
 Acrylonitrile
 Concen: 8.84 ug/L
 RT: 3.192 min Scan# 934
 Delta R.T. -0.005 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

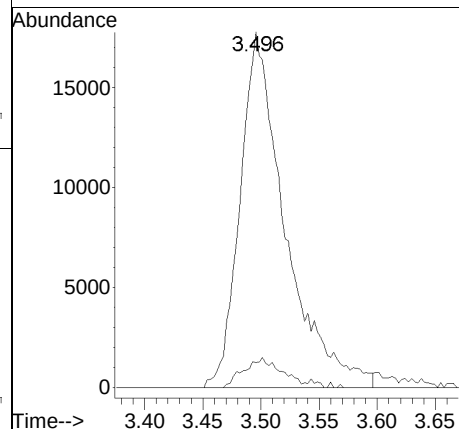
Tgt Ion:	53	Resp:	6148
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.7	100.1
51	21.7	30.6	46.0#

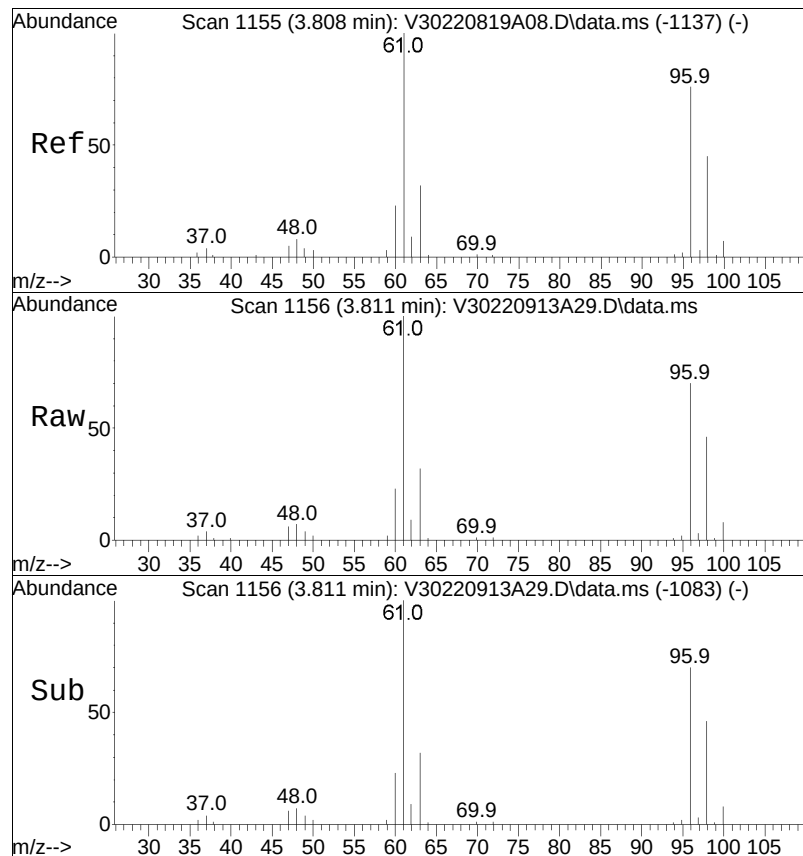




#27
 Vinyl acetate
 Concen: 8.11 ug/L
 RT: 3.496 min Scan# 1043
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

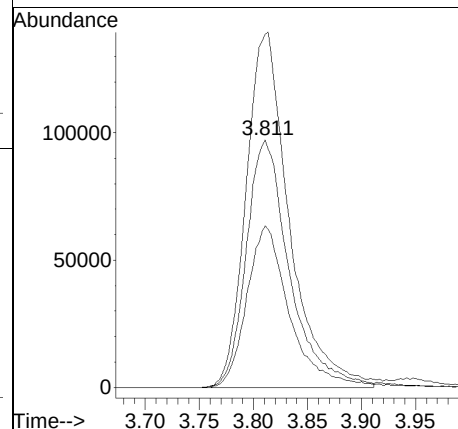
Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.2	7.8

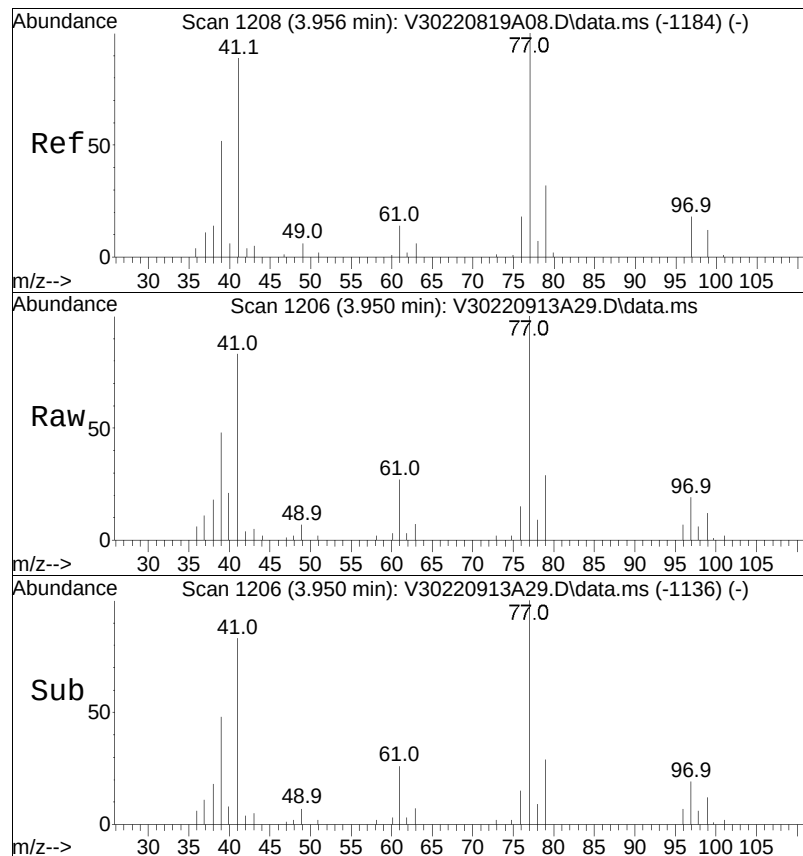




#28
 cis-1,2-Dichloroethene
 Concen: 71.23 ug/L
 RT: 3.811 min Scan# 1156
 Delta R.T. 0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

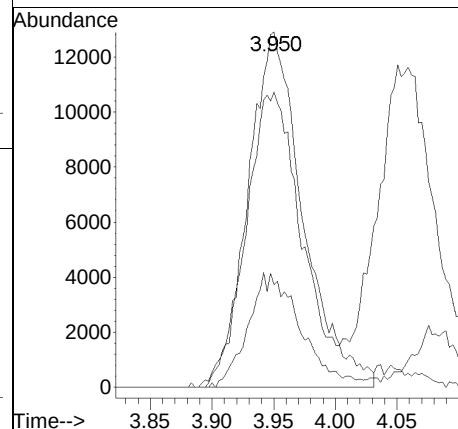
Tgt Ion:	96	Resp:	269942
Ion Ratio	Lower	Upper	
96	100		
61	144.7	149.4	224.2#
98	65.0	53.4	80.2

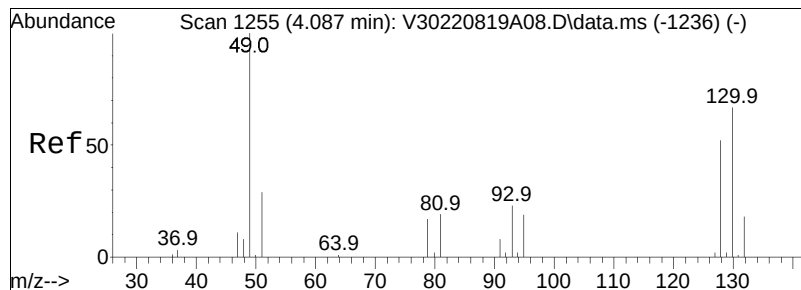




#29
 2,2-Dichloropropane
 Concen: 9.21 ug/L
 RT: 3.950 min Scan# 1206
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

Tgt Ion	Ratio	Lower	Upper
77	100		
41	83.7	38.0	78.8#
79	11.9	20.5	42.5#





#30

Bromochloromethane

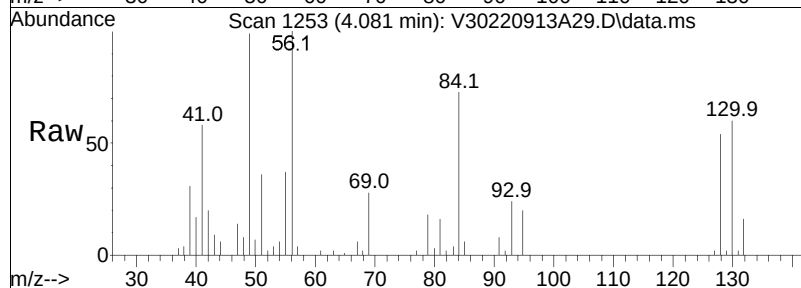
Concen: 9.17 ug/L

RT: 4.081 min Scan# 1253

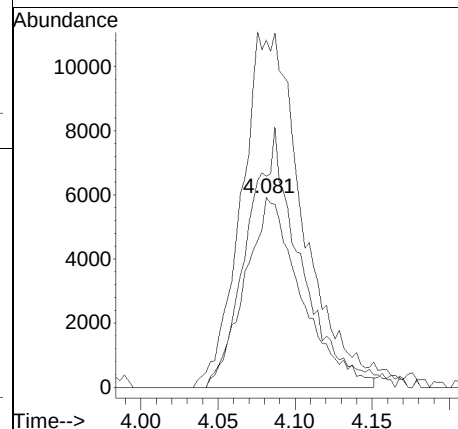
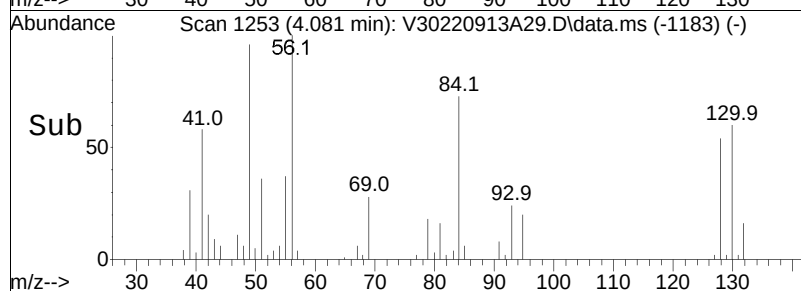
Delta R.T. -0.006 min

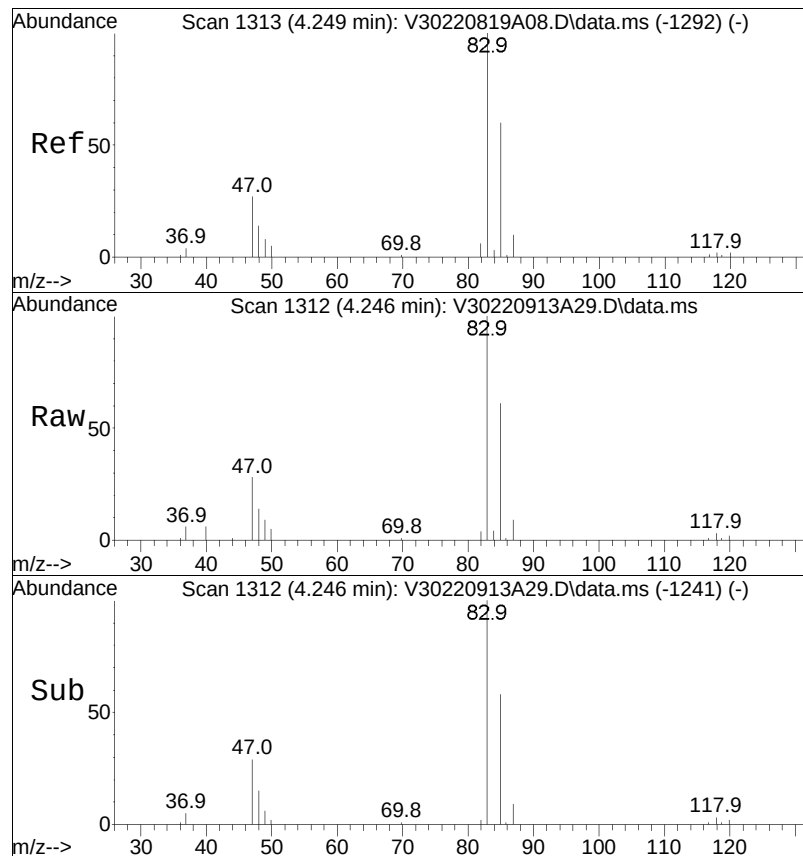
Lab File: V30220913A29.D

Acq: 13 Sep 2022 03:51 pm



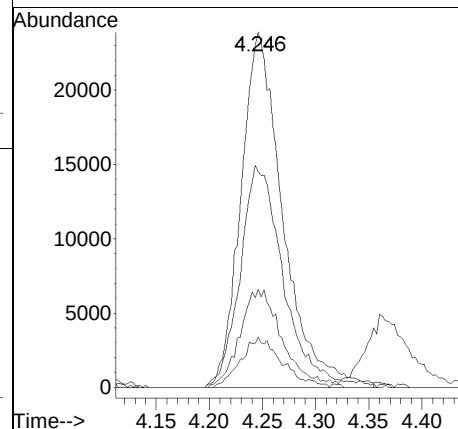
Tgt Ion:	128	Resp:	15123
Ion Ratio	Lower	Upper	
128	100		
49	200.4	223.0	334.4#
130	128.3	111.4	167.0

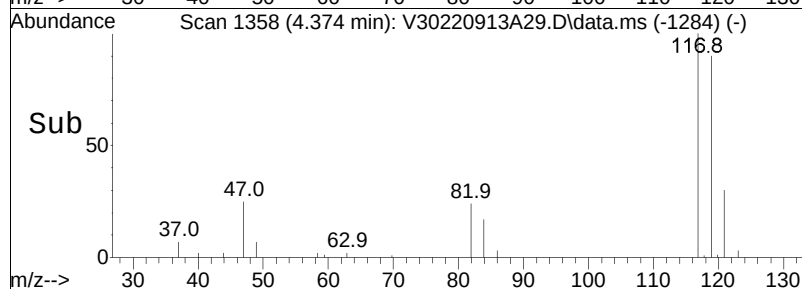
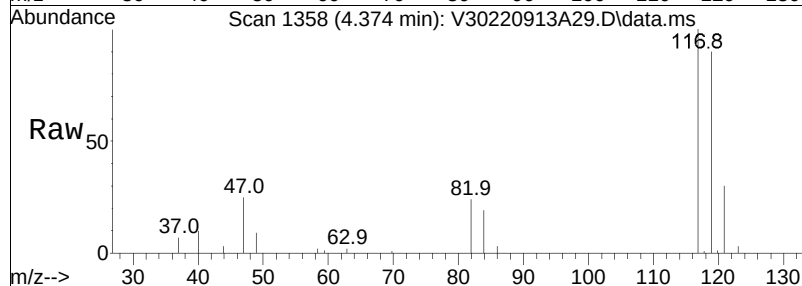
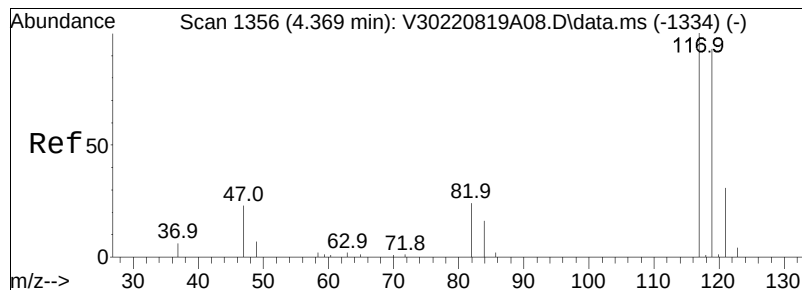




#32
 Chloroform
 Concen: 10.18 ug/L
 RT: 4.246 min Scan# 1312
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

Tgt	Ion: 83	Resp:	65768
Ion	Ratio	Lower	Upper
83	100		
85	63.9	41.5	86.1
47	27.8	19.0	39.4
48	13.2	9.9	20.5





#34

Carbon tetrachloride

Concen: 10.84 ug/L

RT: 4.374 min Scan# 1358

Delta R.T. 0.005 min

Lab File: V30220913A29.D

Acq: 13 Sep 2022 03:51 pm

Tgt Ion:117 Resp: 49758

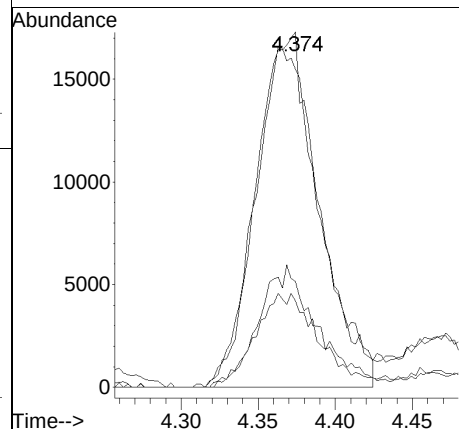
Ion Ratio Lower Upper

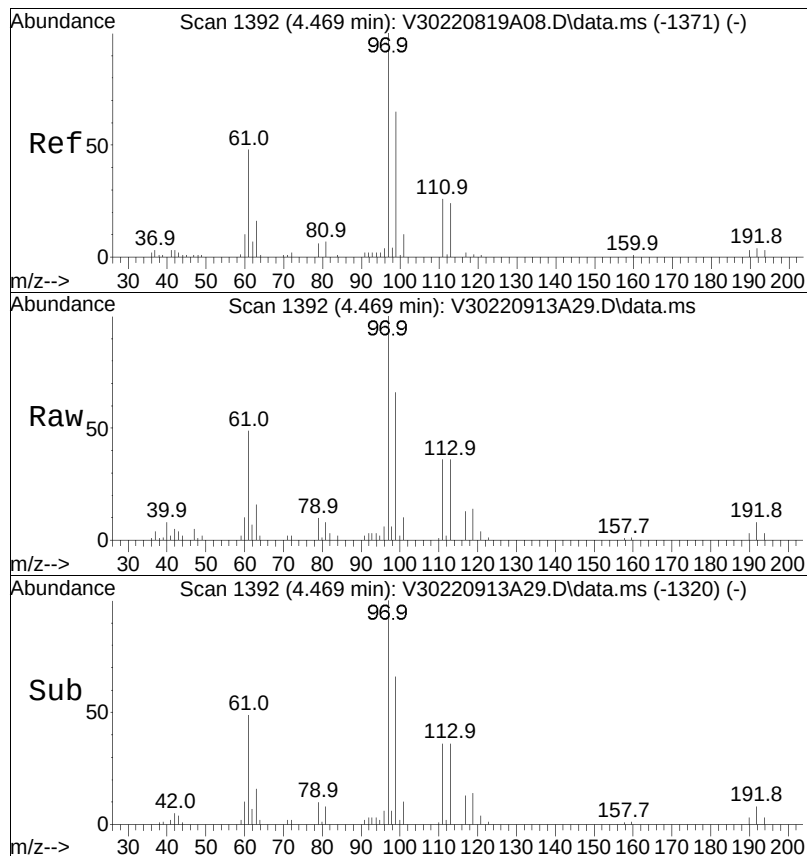
117 100

119 95.9 62.4 129.6

121 31.4 19.5 40.5

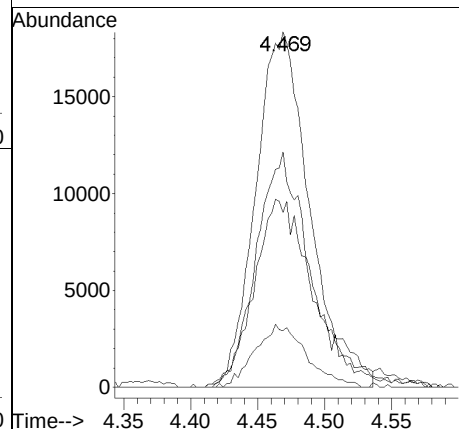
82 13.4 17.0 35.4#

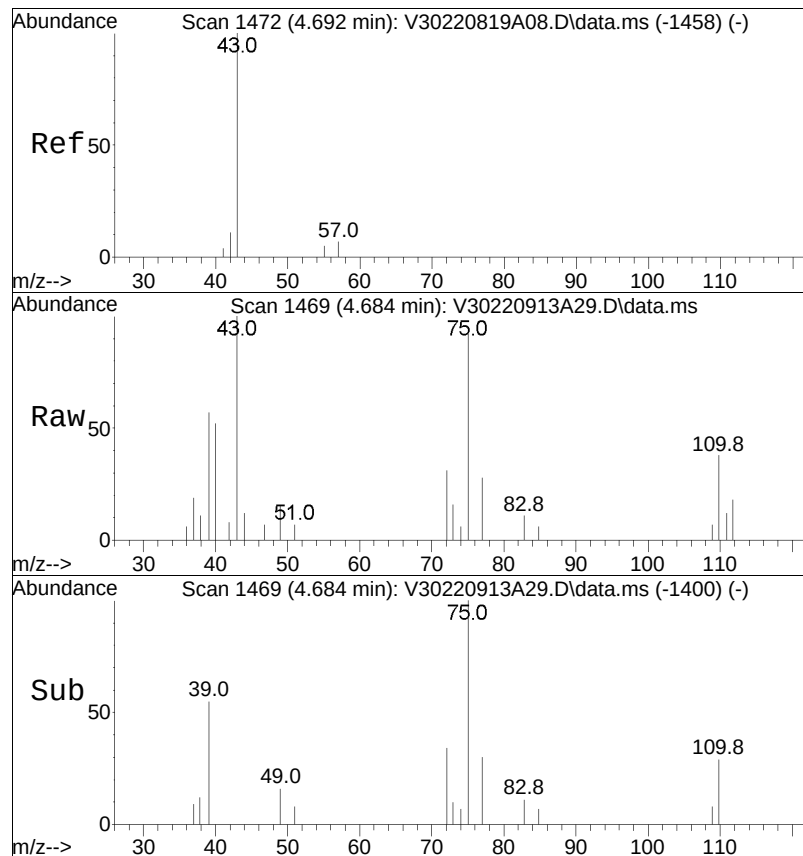




#37
 1,1,1-Trichloroethane
 Concen: 9.65 ug/L
 RT: 4.469 min Scan# 1392
 Delta R.T. -0.000 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

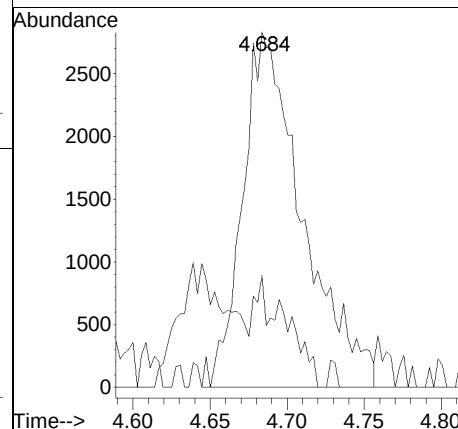
Tgt Ion:	97	Resp:	51821
Ion Ratio	Lower	Upper	
97	100		
99	65.5	40.7	84.5
61	58.2	35.4	73.4
63	16.8	5.0	10.4#

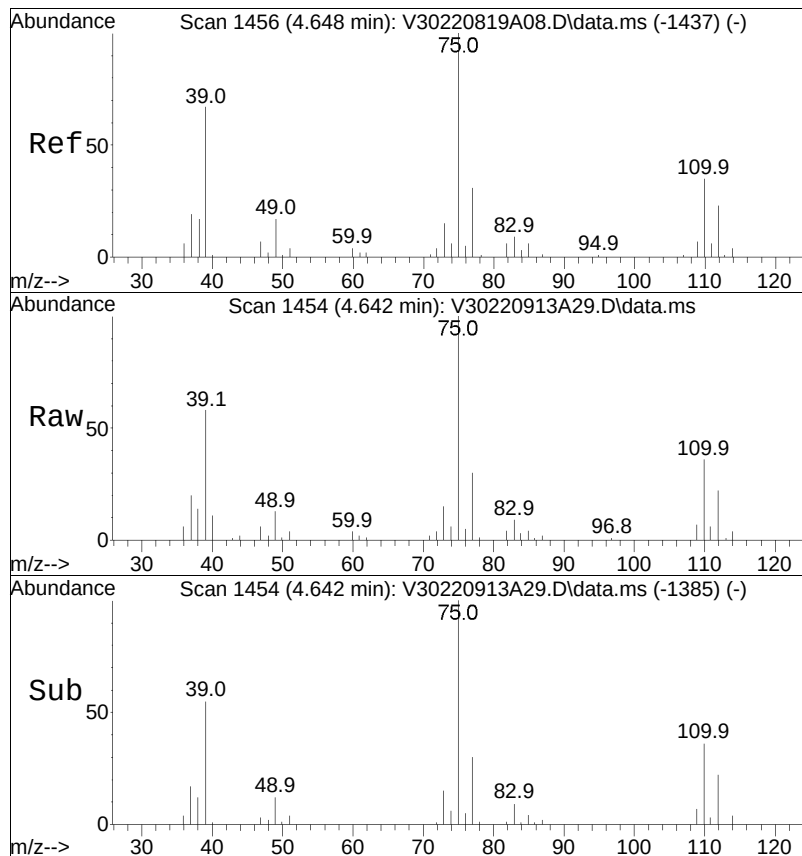




#39
 2-Butanone
 Concen: 9.49 ug/L
 RT: 4.684 min Scan# 1469
 Delta R.T. -0.008 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

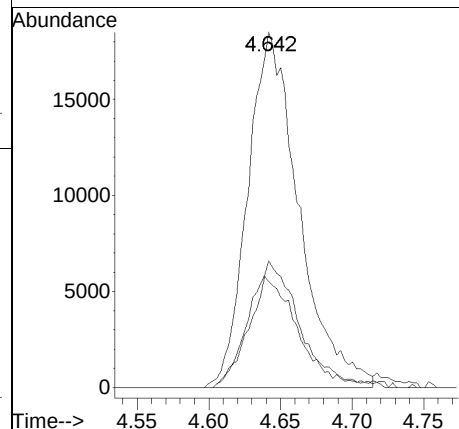
Tgt	Ion	Ratio	Lower	Upper
43	100			
72	3.2	10.9	16.3	

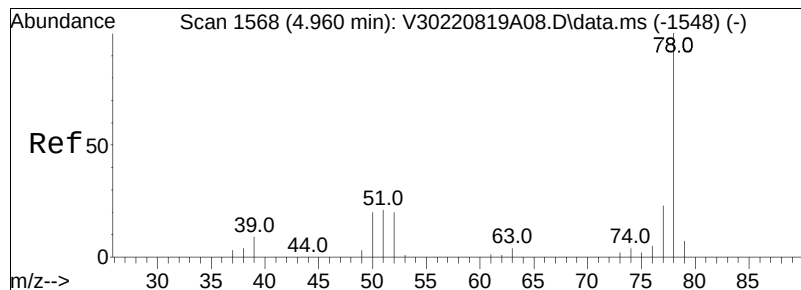




#40
 1,1-Dichloropropene
 Concen: 10.05 ug/L
 RT: 4.642 min Scan# 1454
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

Tgt	Ion: 75	Resp:	45935
Ion	Ratio	Lower	Upper
75	100		
110	34.9	20.2	41.9
77	30.2	20.1	41.7





#41

Benzene

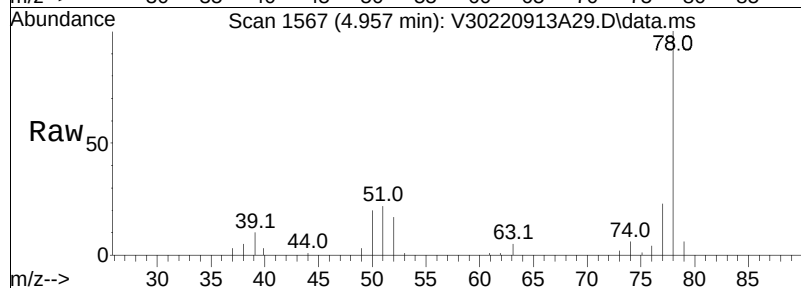
Concen: 10.01 ug/L

RT: 4.957 min Scan# 1567

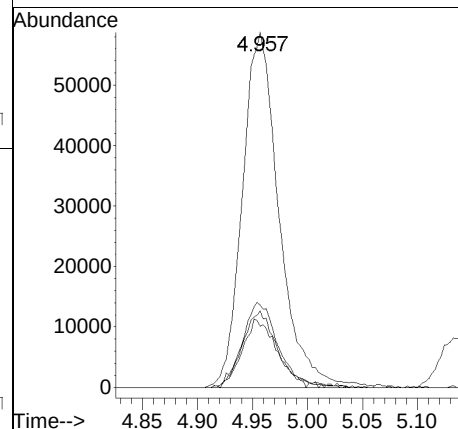
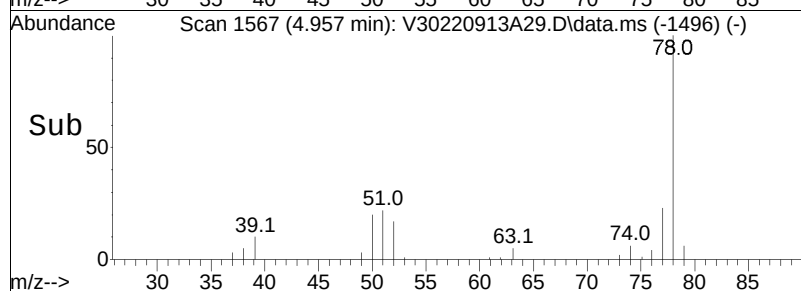
Delta R.T. -0.003 min

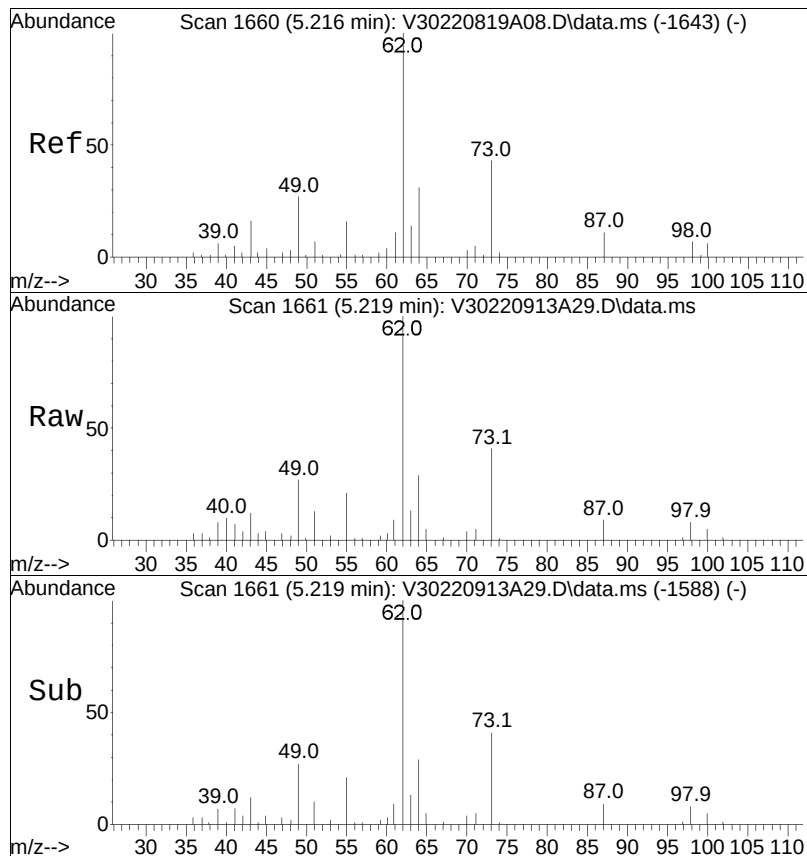
Lab File: V30220913A29.D

Acq: 13 Sep 2022 03:51 pm



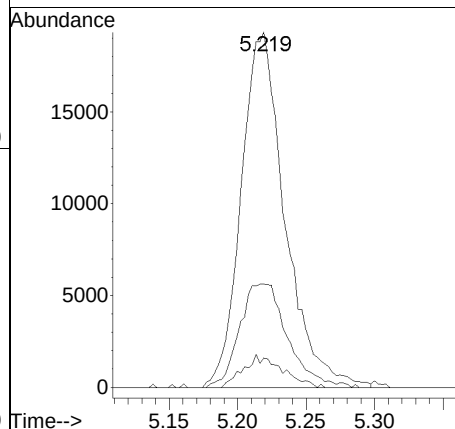
Tgt Ion:	78	Resp:	135914
Ion Ratio	Lower	Upper	
78	100		
77	23.0	15.7	32.7
51	20.1	16.0	33.2
52	18.8	15.3	31.9

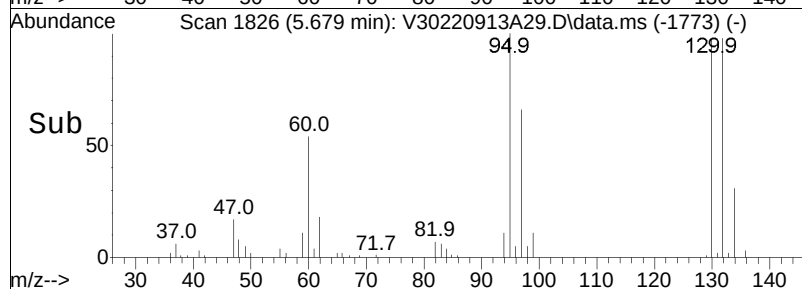
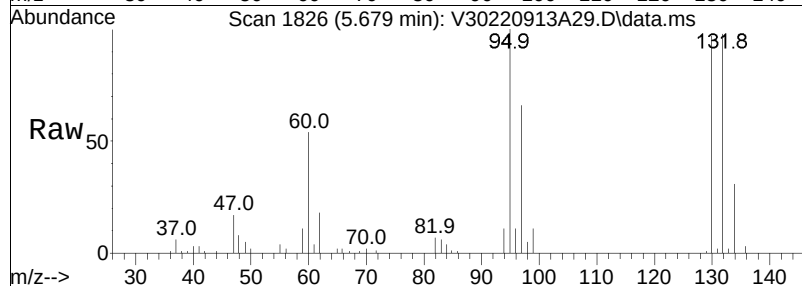
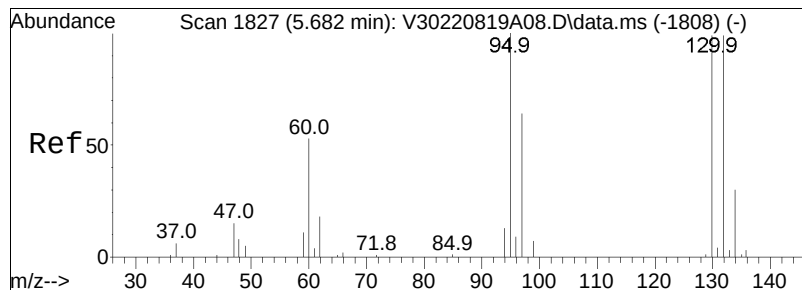




#44
 1,2-Dichloroethane
 Concen: 9.03 ug/L
 RT: 5.219 min Scan# 1661
 Delta R.T. 0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

Tgt	Ion	Ratio	Lower	Upper
62	100			
64	31.6	11.2	51.2	
98	8.1	0.0	26.1	





#48

Trichloroethene

Concen: 35.02 ug/L

RT: 5.679 min Scan# 1826

Delta R.T. -0.003 min

Lab File: V30220913A29.D

Acq: 13 Sep 2022 03:51 pm

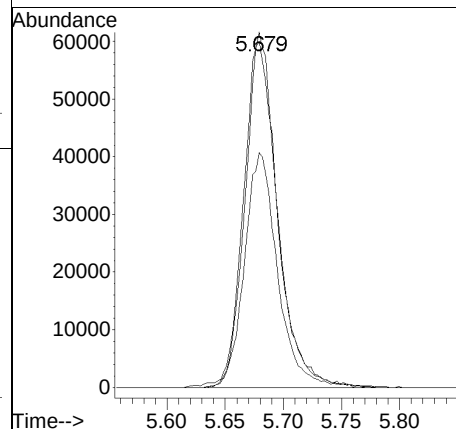
Tgt Ion: 95 Resp: 123733

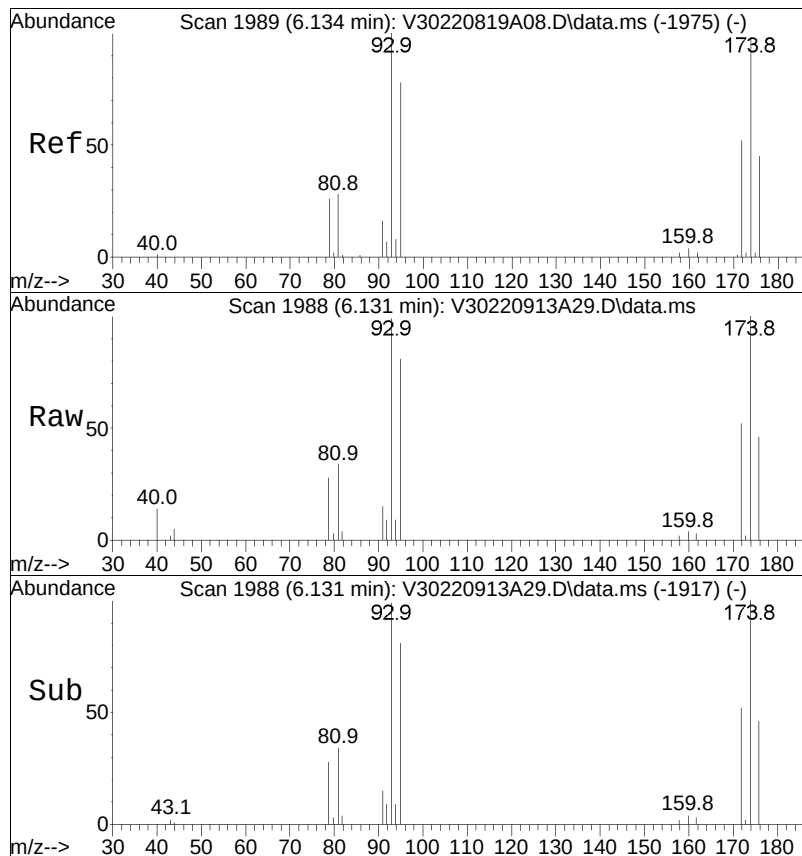
Ion Ratio Lower Upper

95 100

97 65.8 55.5 83.3

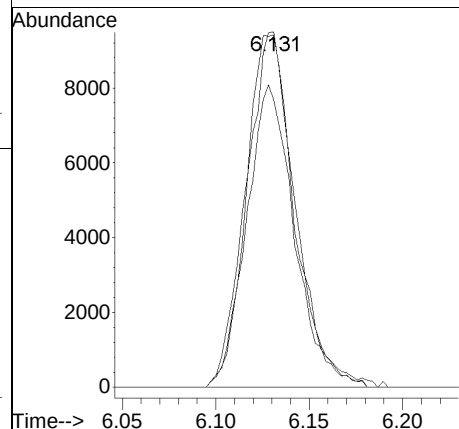
132 95.4 76.6 115.0

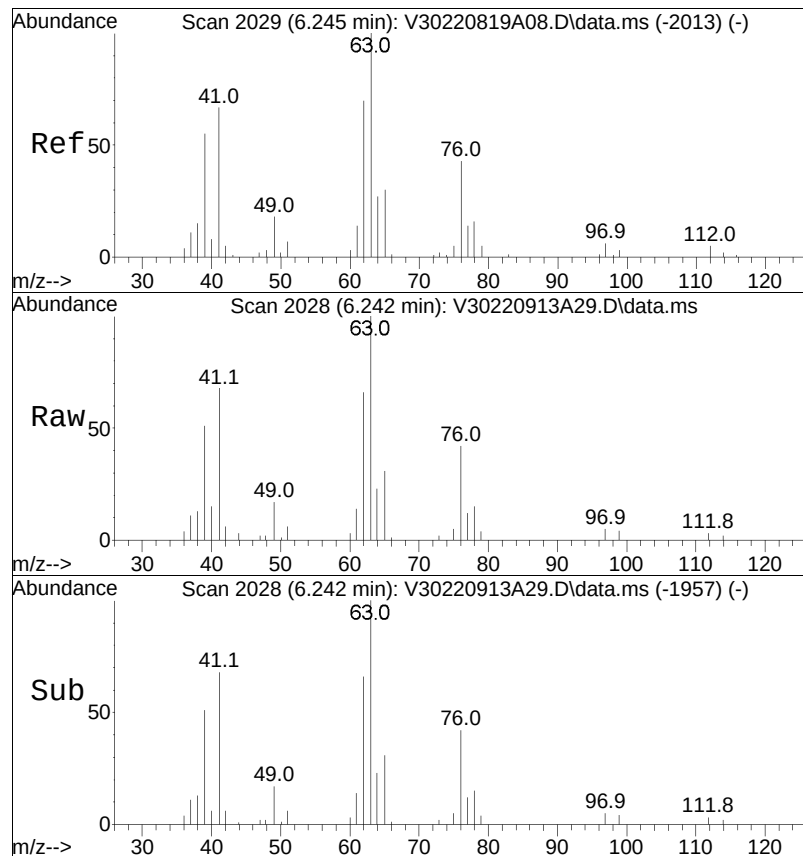




#50
 Dibromomethane
 Concen: 9.23 ug/L
 RT: 6.131 min Scan# 1988
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

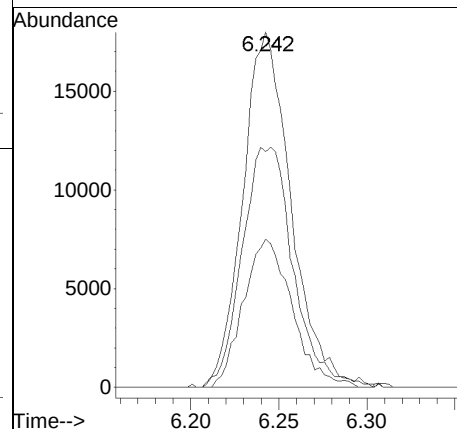
Tgt Ion:	93	Resp:	17378
Ion Ratio	Lower	Upper	
93	100		
95	82.9	67.0	100.4
174	97.8	75.0	112.4

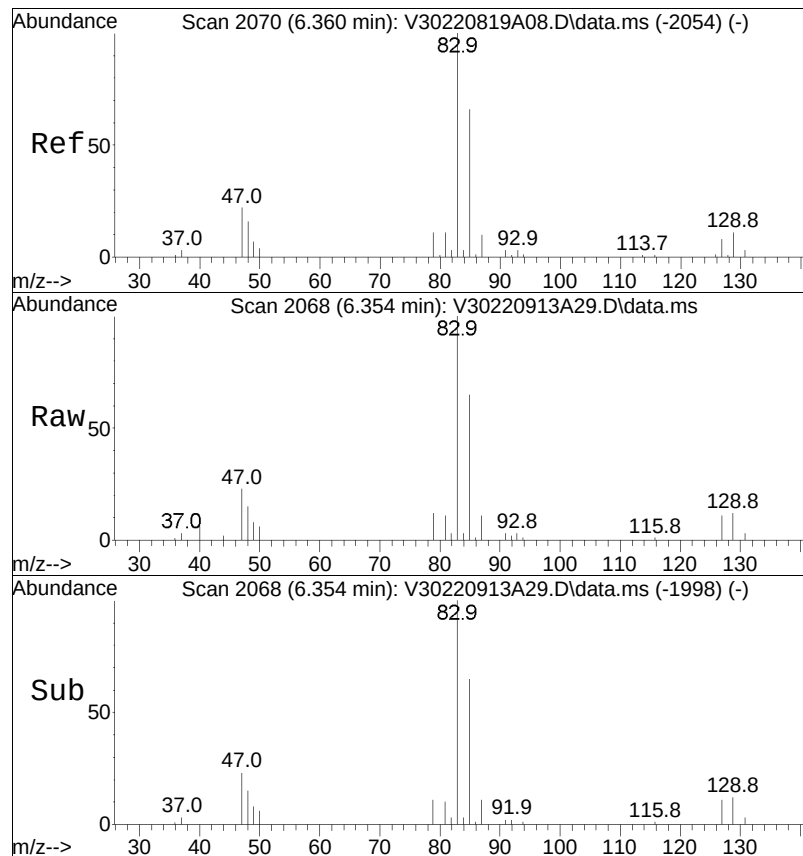




#51
 1,2-Dichloropropane
 Concen: 9.60 ug/L
 RT: 6.242 min Scan# 2028
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

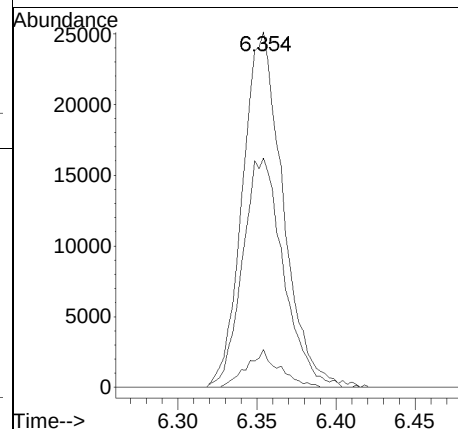
Tgt	Ion	Ratio	Lower	Upper
63	100			
62	71.5	58.6	87.8	
76	42.1	38.0	57.0	

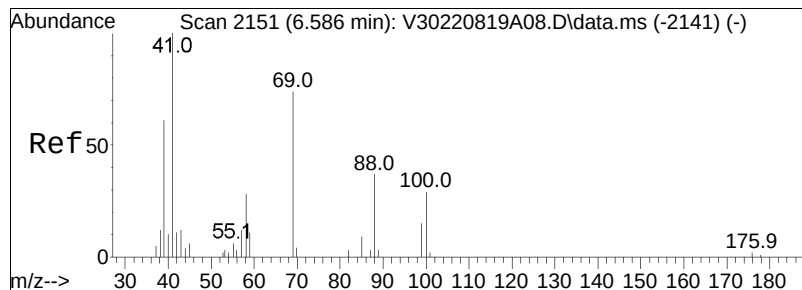




#54
 Bromodichloromethane
 Concen: 9.27 ug/L
 RT: 6.354 min Scan# 2068
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

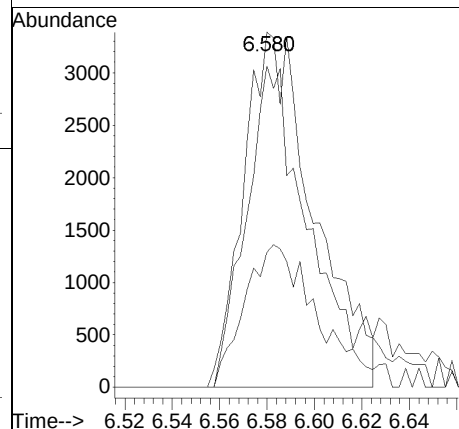
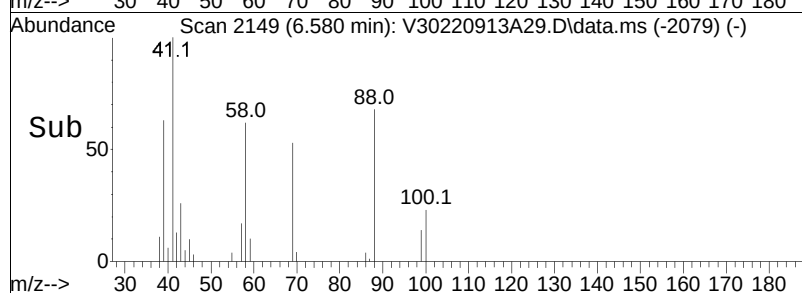
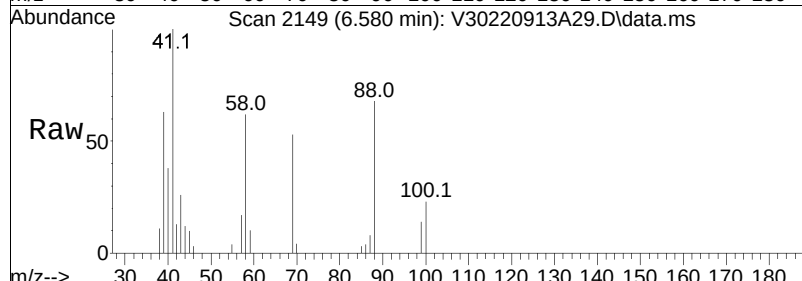
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.3	78.5
127	8.6	6.2	9.4

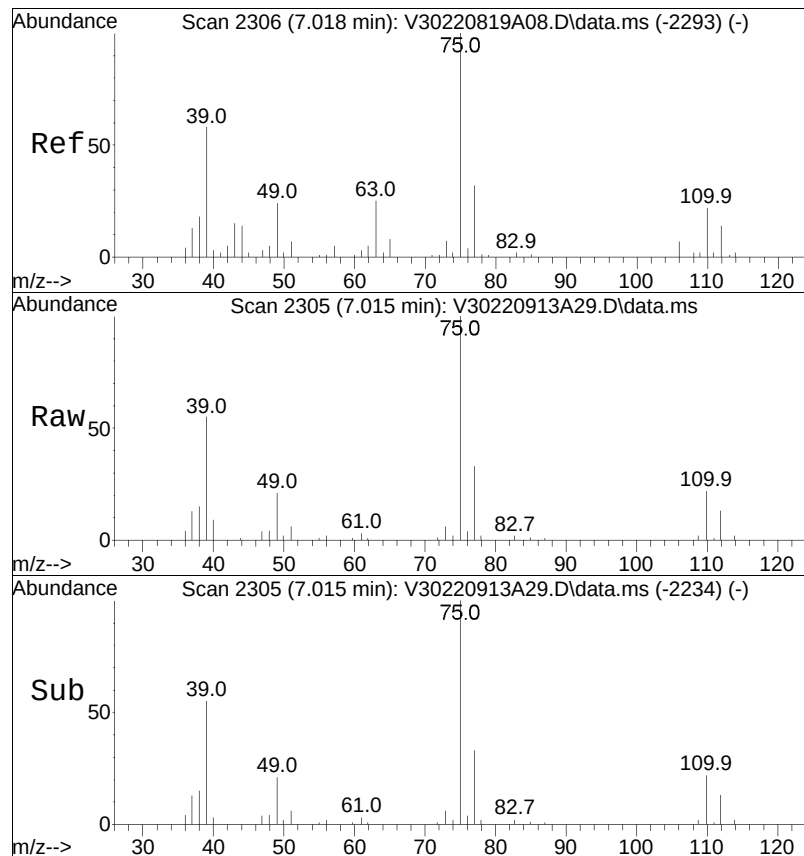




#57
 1,4-Dioxane
 Concen: 589.84 ug/L
 RT: 6.580 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

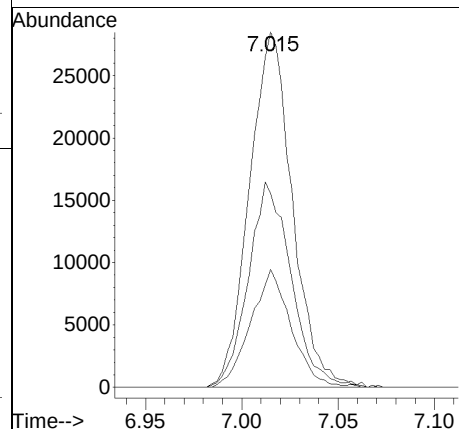
Tgt Ion	Ratio	Lower	Upper
88	100		
58	77.7	76.7	115.1
43	42.0	36.2	54.2

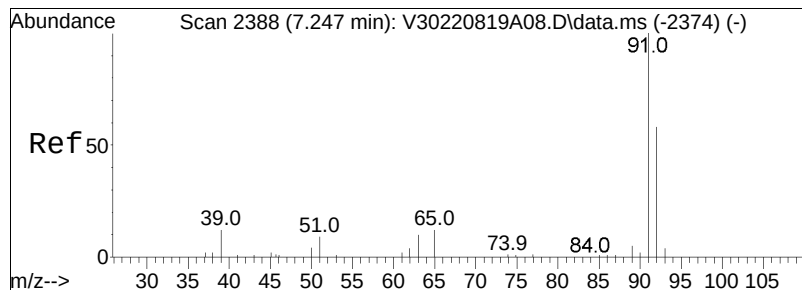




#58
 cis-1,3-Dichloropropene
 Concen: 9.18 ug/L
 RT: 7.015 min Scan# 2305
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

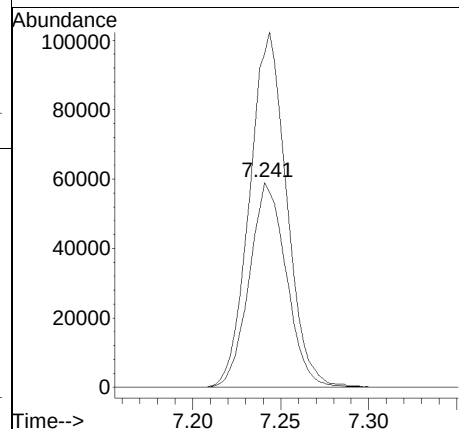
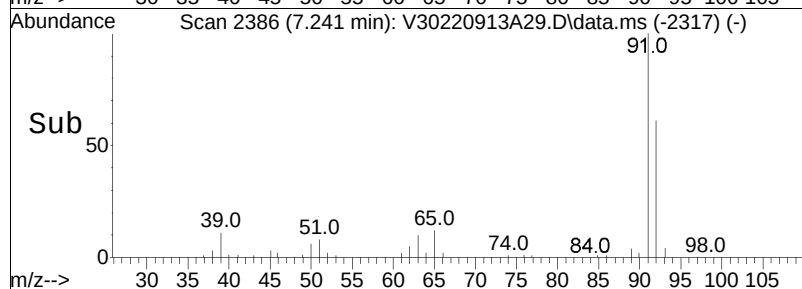
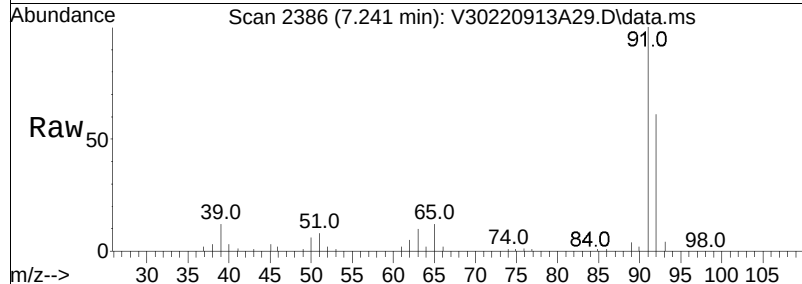
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	57.6	50.1	75.1

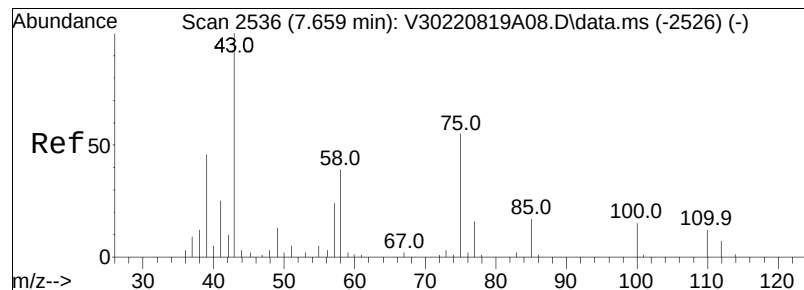




#61
Toluene
Concen: 10.31 ug/L
RT: 7.241 min Scan# 2386
Delta R.T. -0.006 min
Lab File: V30220913A29.D
Acq: 13 Sep 2022 03:51 pm

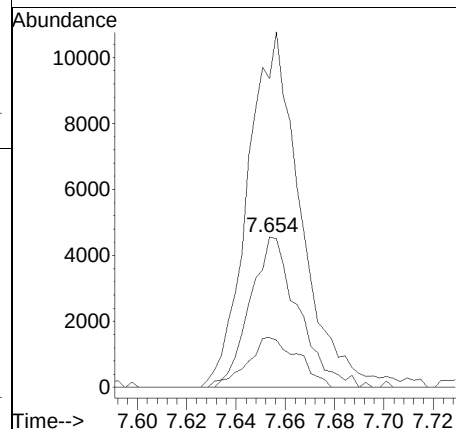
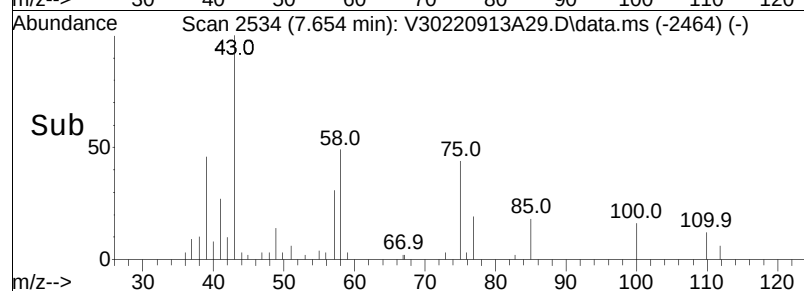
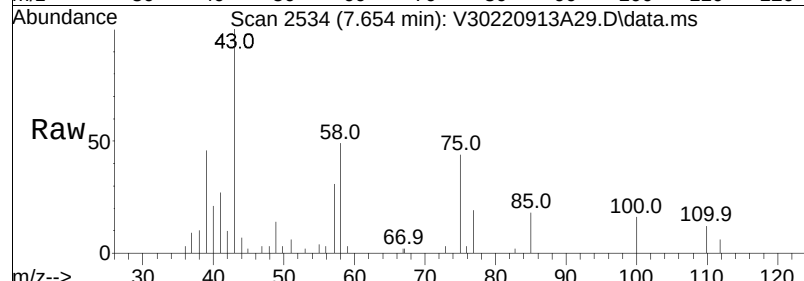
Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.8	209.6

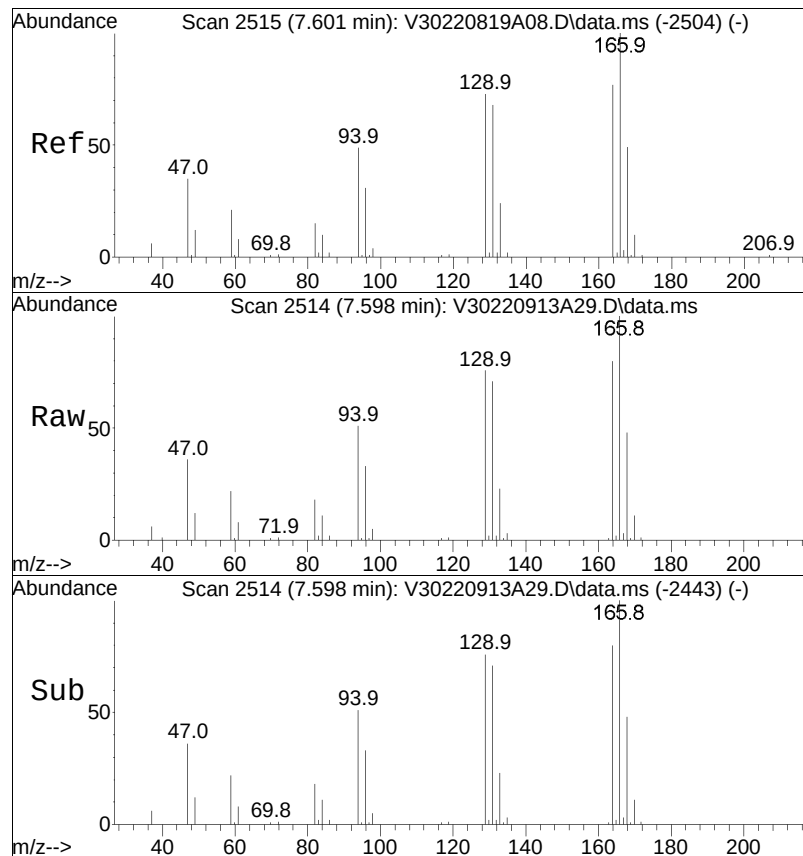




#62
 4-Methyl-2-pentanone
 Concen: 8.43 ug/L
 RT: 7.654 min Scan# 2534
 Delta R.T. -0.005 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

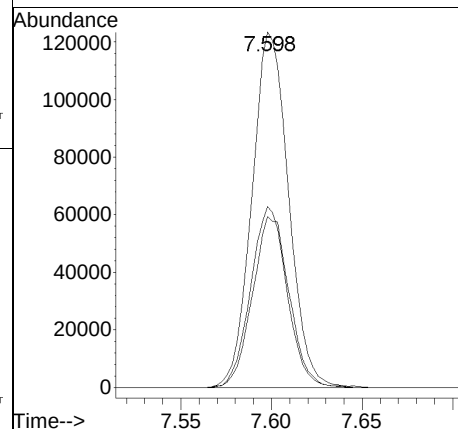
Tgt Ion	Ratio	Lower	Upper
58	100		
100	34.4	20.2	30.2#
43	258.8	196.6	295.0

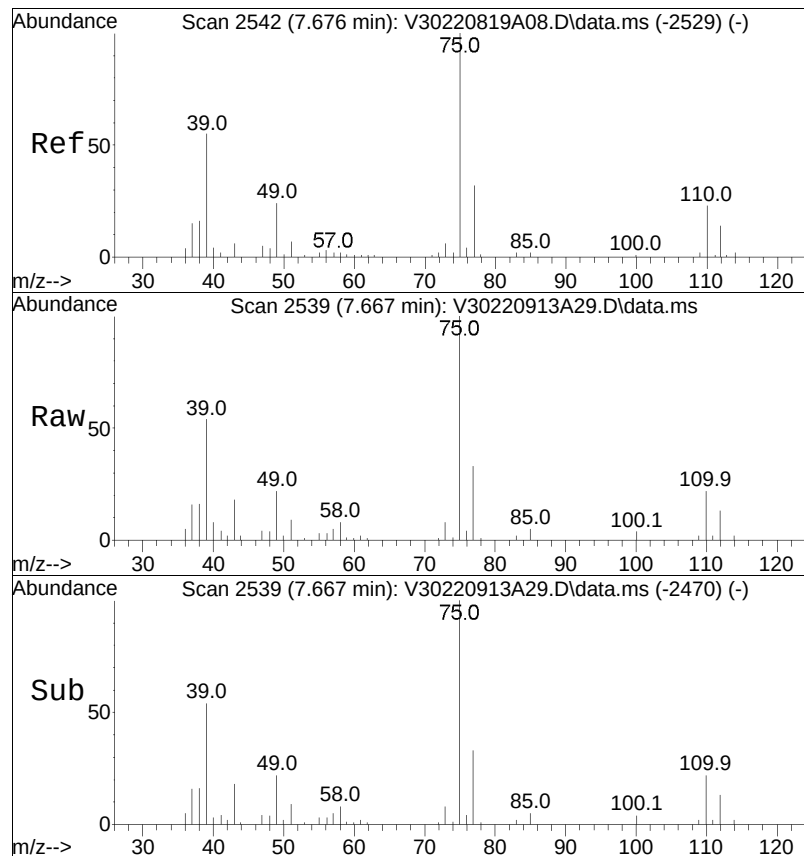




#63
Tetrachloroethene
Concen: 48.80 ug/L
RT: 7.598 min Scan# 2514
Delta R.T. -0.003 min
Lab File: V30220913A29.D
Acq: 13 Sep 2022 03:51 pm

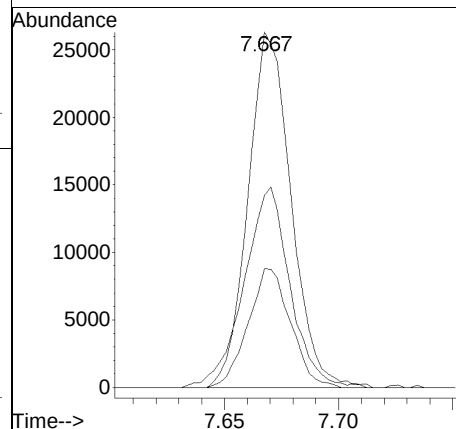
Tgt	Ion:166	Resp:	173349
Ion	Ratio	Lower	Upper
166	100		
168	48.3	28.2	68.2
94	50.2	38.4	78.4

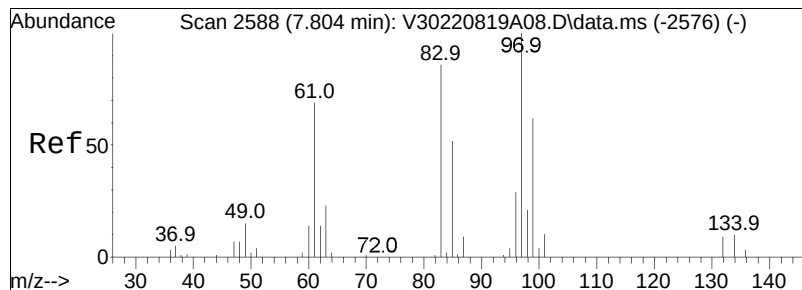




#65
 trans-1,3-Dichloropropene
 Concen: 9.49 ug/L
 RT: 7.667 min Scan# 2539
 Delta R.T. -0.009 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

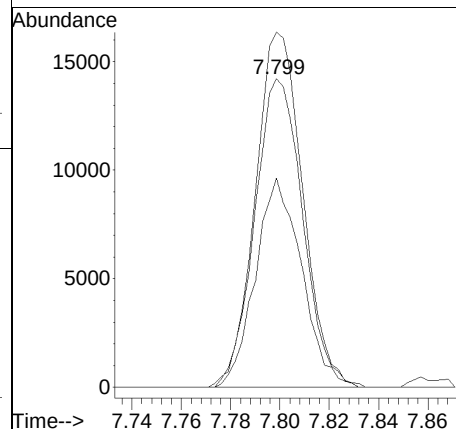
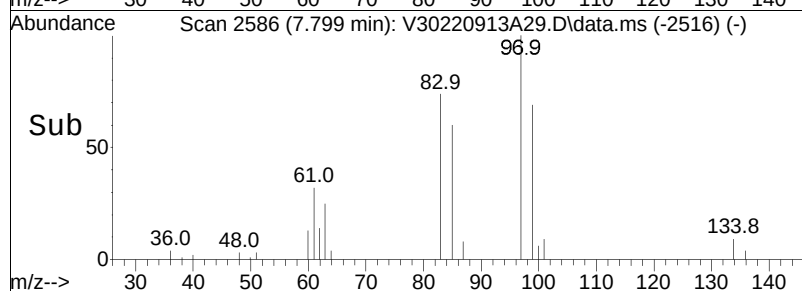
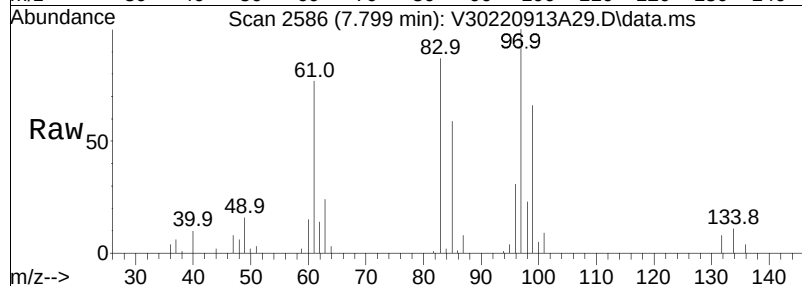
Tgt Ion:	75	Resp:	34393
Ion Ratio	Lower	Upper	
75	100		
77	33.0	12.4	52.4
39	60.1	42.8	82.8

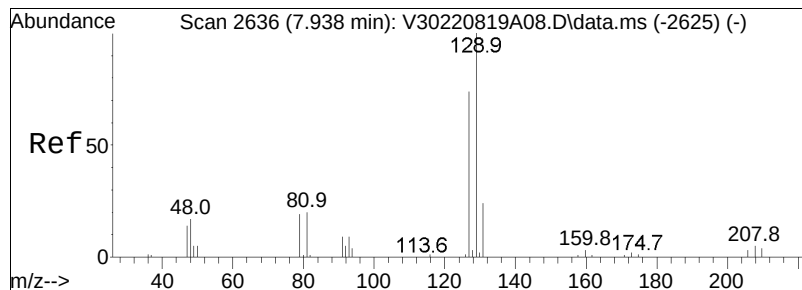




#68
 1,1,2-Trichloroethane
 Concen: 9.46 ug/L
 RT: 7.799 min Scan# 2586
 Delta R.T. -0.005 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

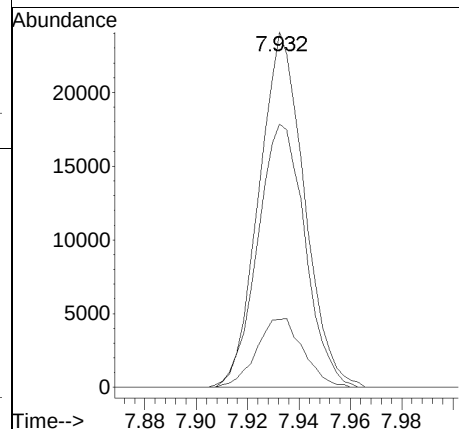
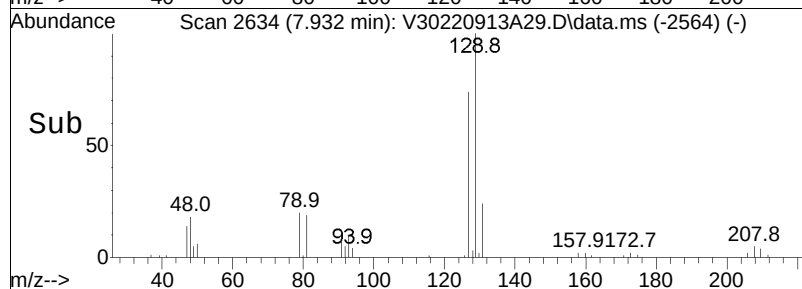
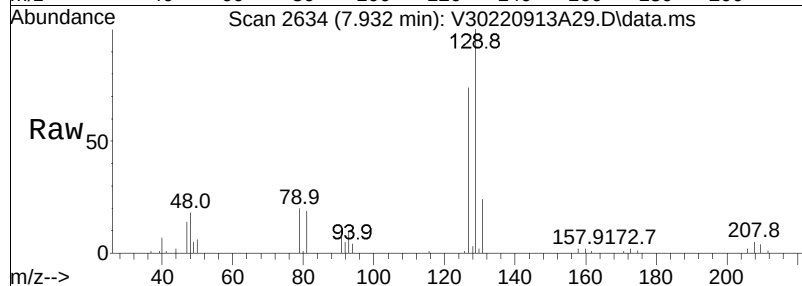
Tgt Ion:	83	Resp:	19285
Ion Ratio	Lower	Upper	
83	100		
97	113.2	89.8	129.8
85	65.2	44.4	84.4

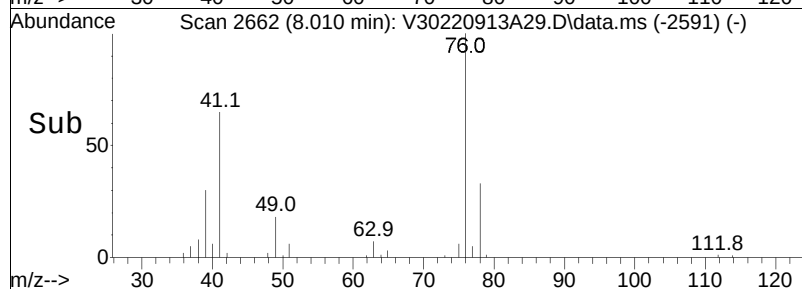
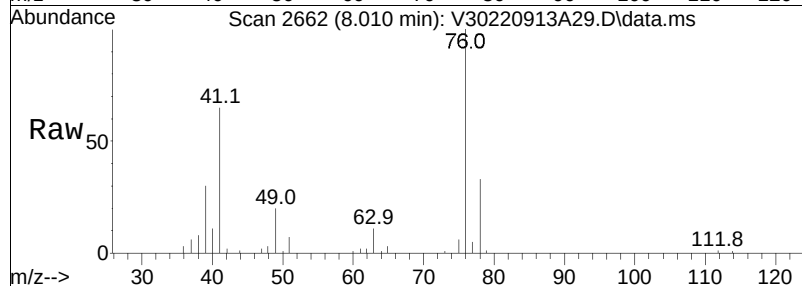
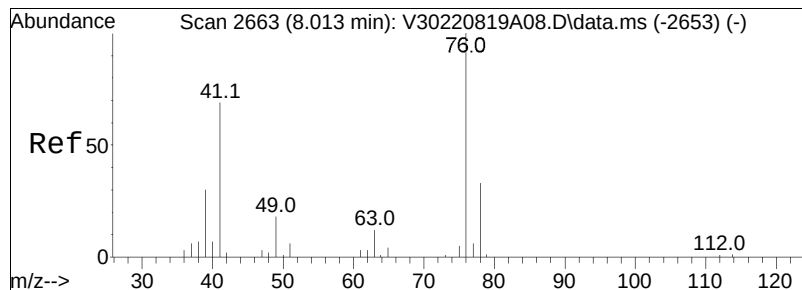




#69
 Chlorodibromomethane
 Concen: 9.82 ug/L
 RT: 7.932 min Scan# 2634
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

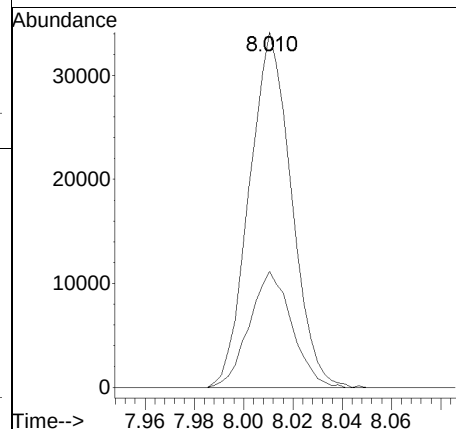
Tgt Ion	Ratio	Resp	Lower	Upper
129	100	29576		
81	20.0		2.9	42.9
127	77.5		57.8	97.8

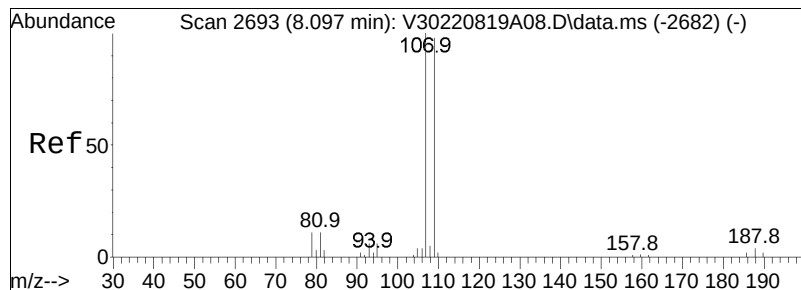




#70
 1,3-Dichloropropane
 Concen: 9.40 ug/L
 RT: 8.010 min Scan# 2662
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

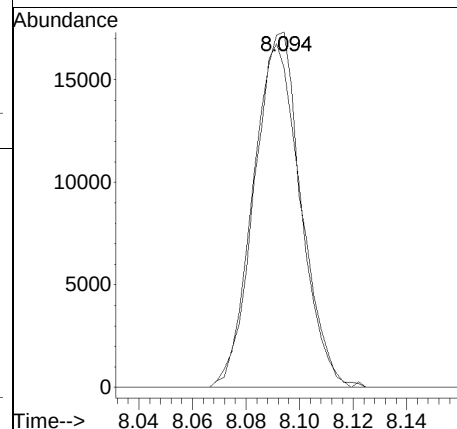
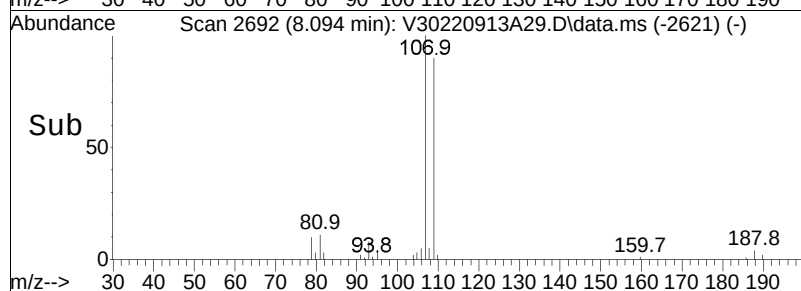
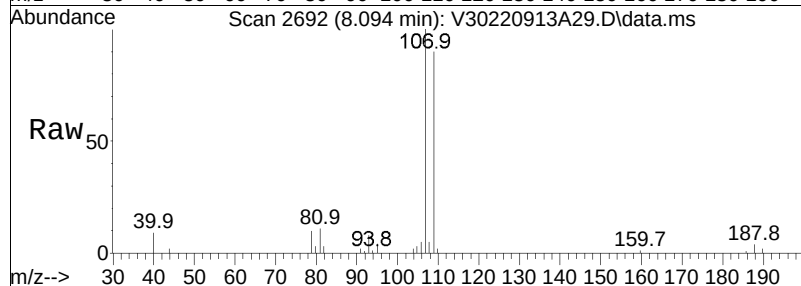
Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.5	38.3

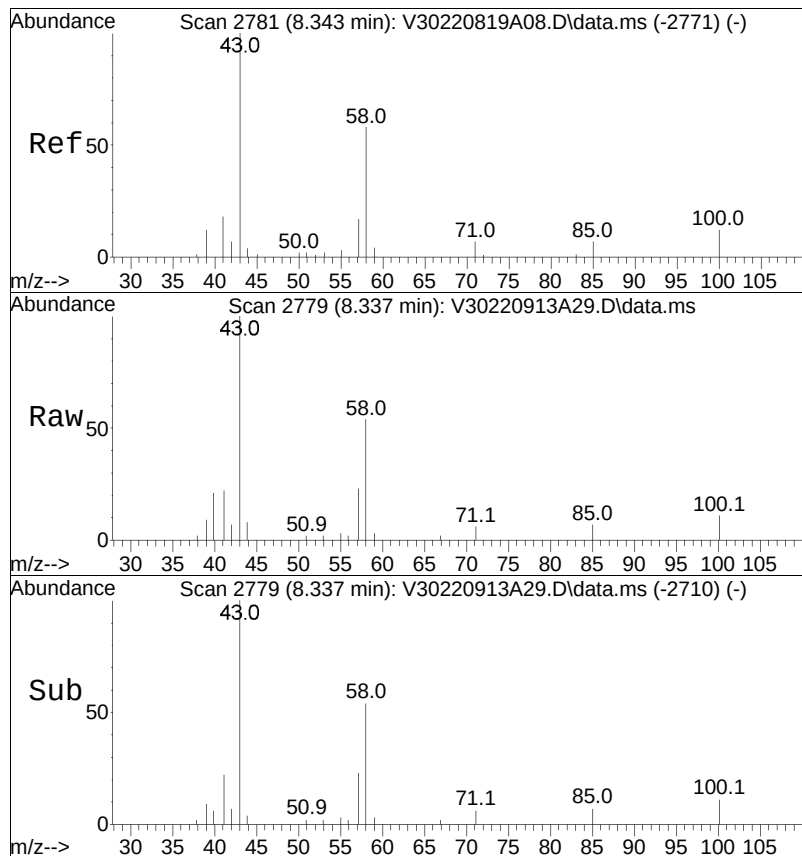




#71
 1,2-Dibromoethane
 Concen: 9.36 ug/L
 RT: 8.094 min Scan# 2692
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

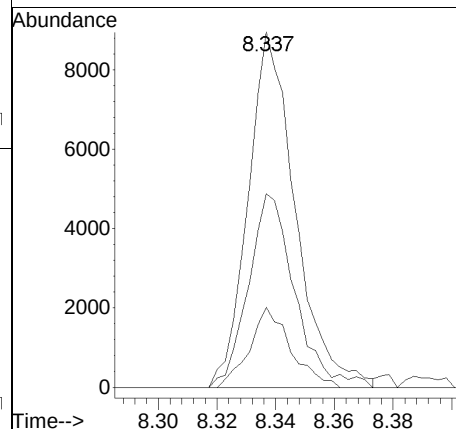
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.3	111.5

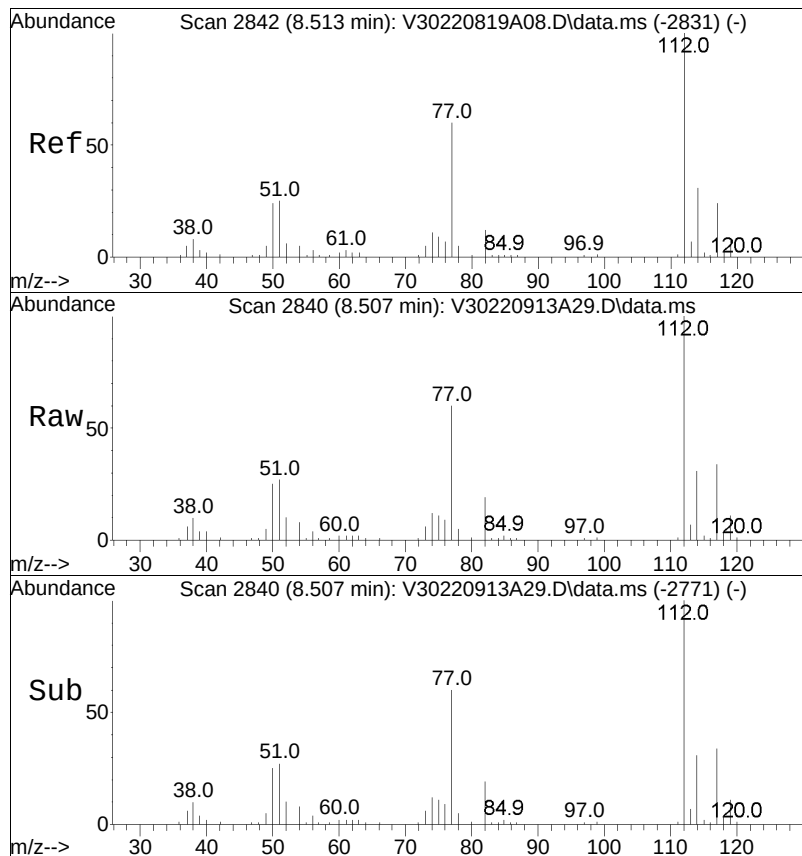




#72
 2-Hexanone
 Concen: 7.69 ug/L
 RT: 8.337 min Scan# 2779
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

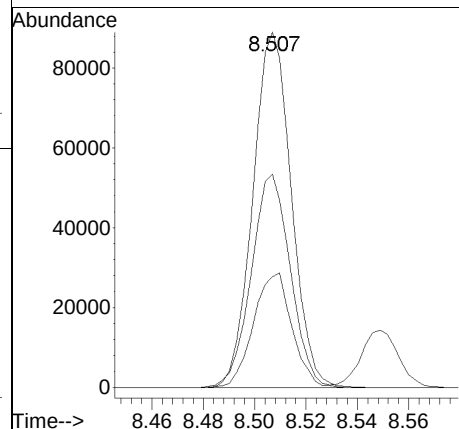
Tgt Ion:	43	Resp:	9993
Ion Ratio	Lower	Upper	
43	100		
58	53.6	41.2	61.8
57	19.7	17.2	25.8

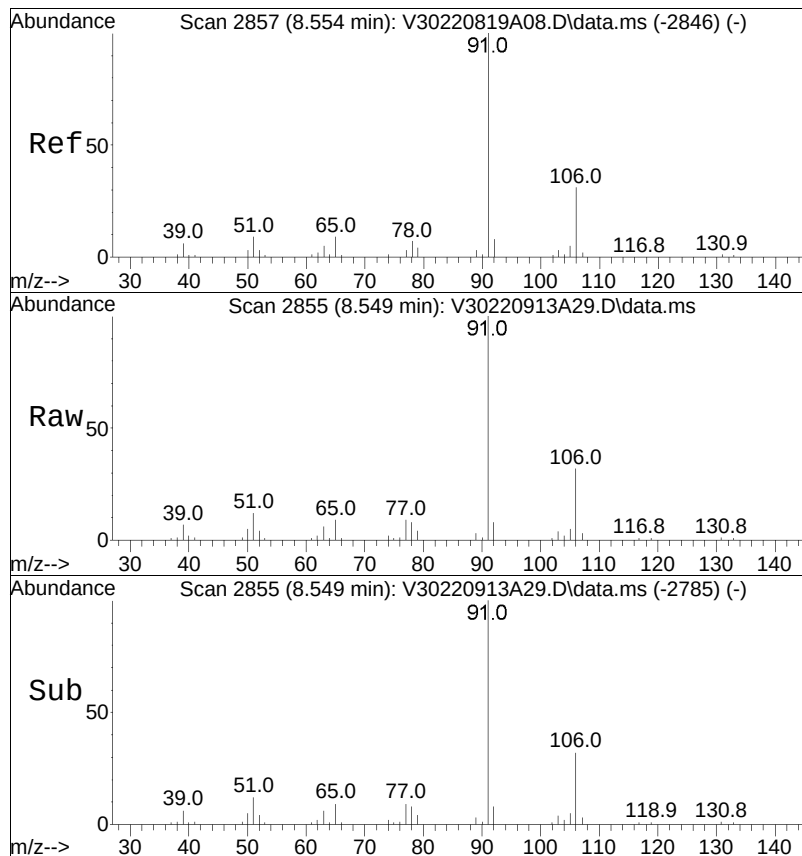




#73
 Chlorobenzene
 Concen: 9.98 ug/L
 RT: 8.507 min Scan# 2840
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

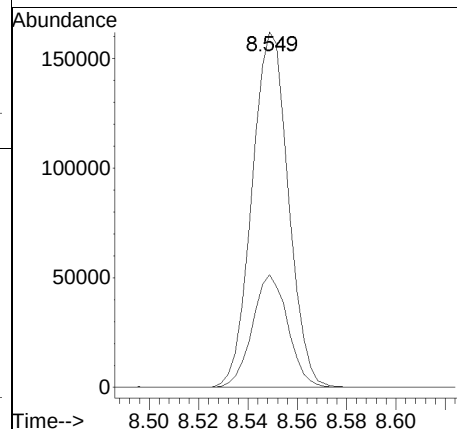
Tgt Ion:	112	Resp:	92414
Ion Ratio	Lower	Upper	
112	100		
77	61.0	55.4	83.0
114	32.2	25.4	38.2

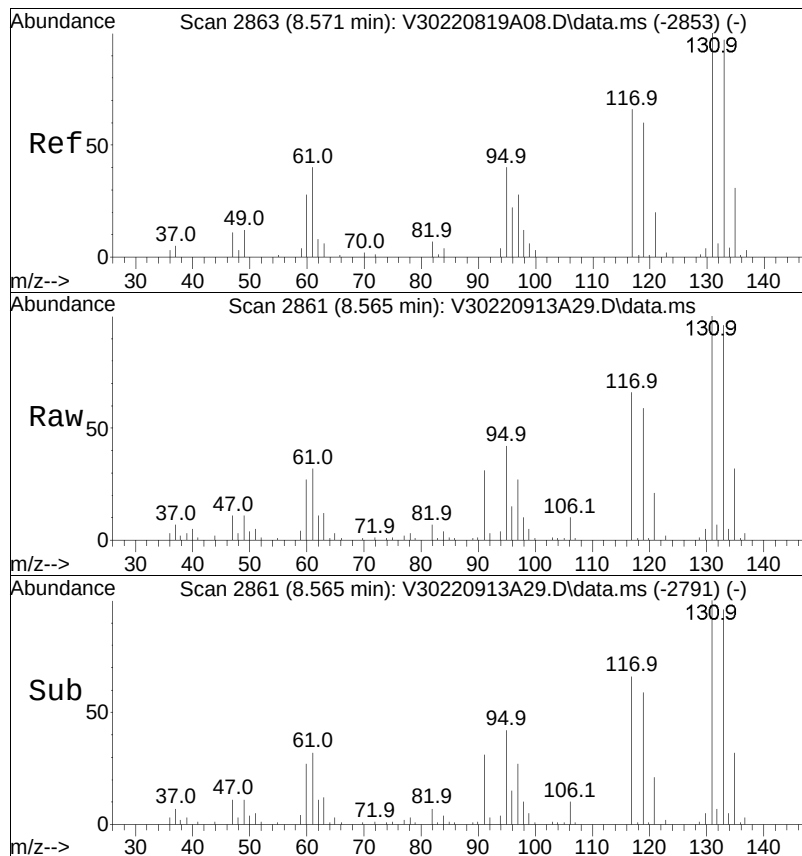




#74
 Ethylbenzene
 Concen: 10.16 ug/L
 RT: 8.549 min Scan# 2855
 Delta R.T. -0.005 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

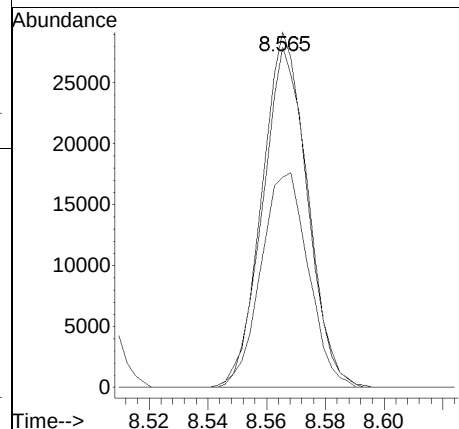
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

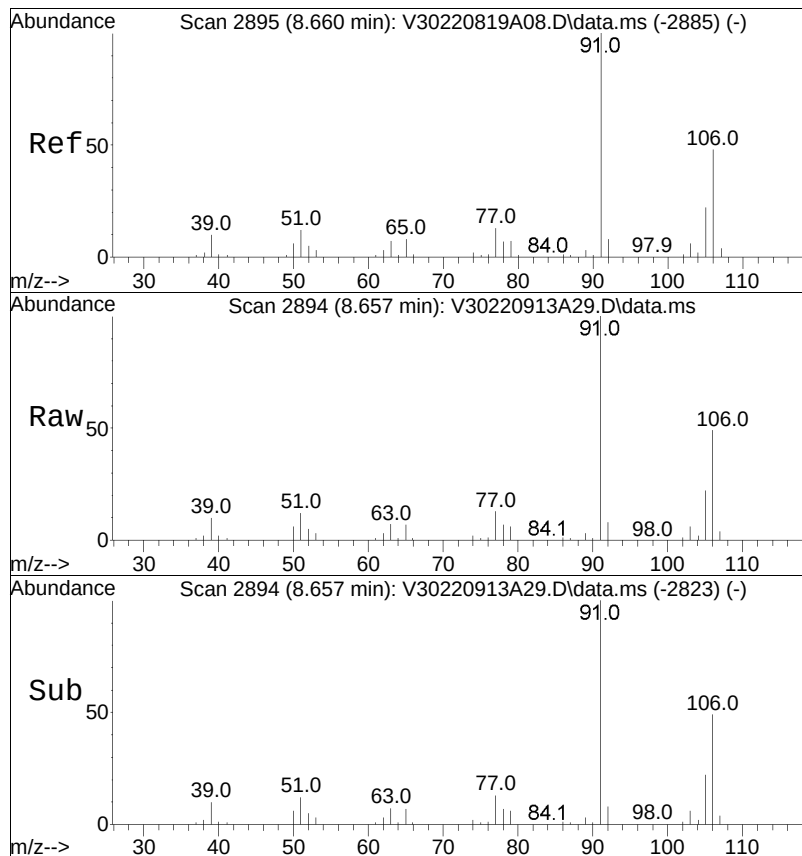




#75
 1,1,1,2-Tetrachloroethane
 Concen: 10.14 ug/L
 RT: 8.565 min Scan# 2861
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

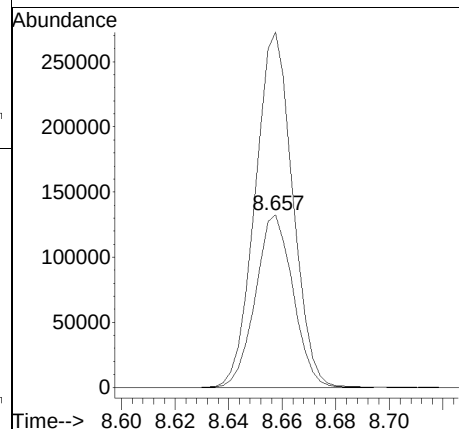
Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	81.0	121.0
119	63.0	41.3	81.3

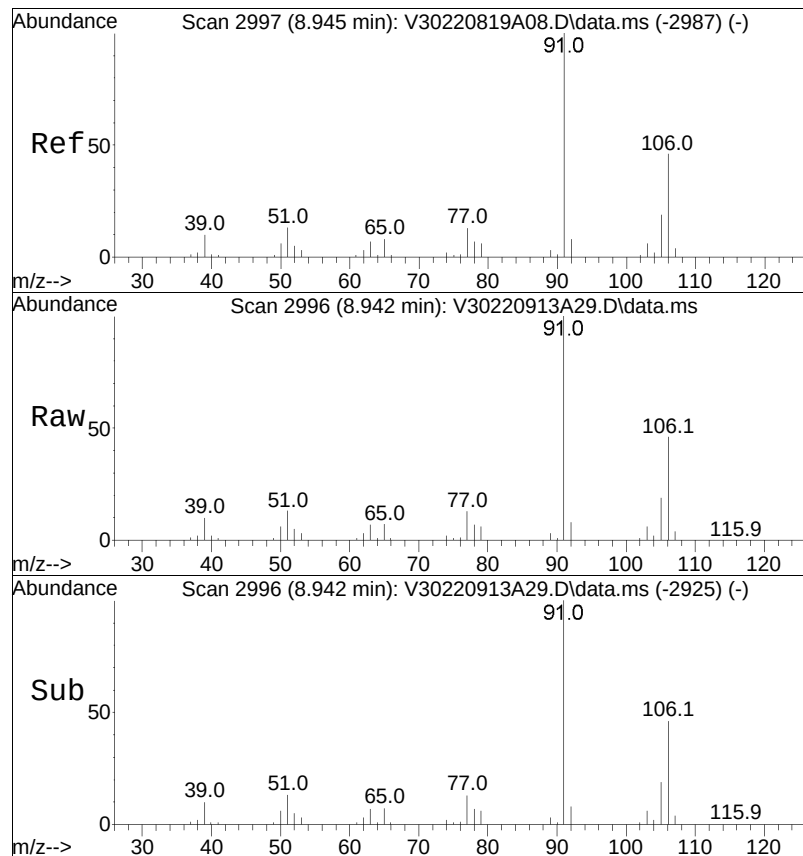




#76
 p/m Xylene
 Concen: 21.23 ug/L
 RT: 8.657 min Scan# 2894
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

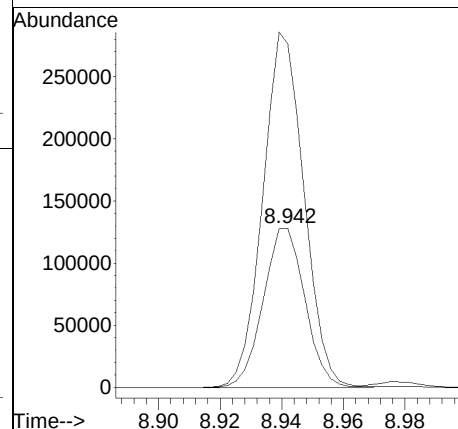
Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.5	166.4	249.6

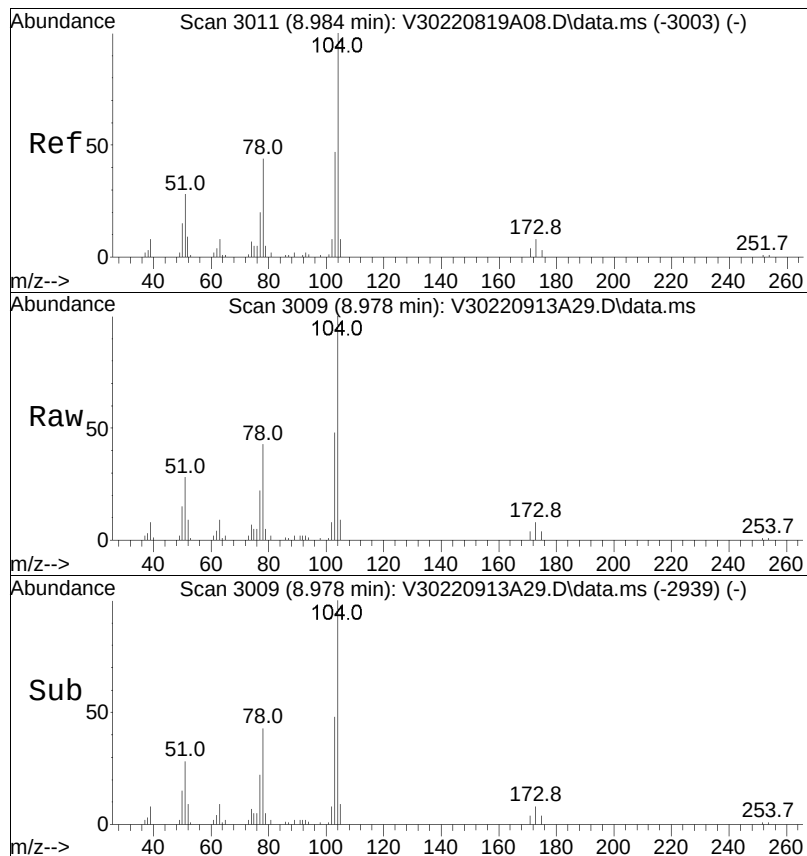




#77
 o Xylene
 Concen: 20.30 ug/L
 RT: 8.942 min Scan# 2996
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

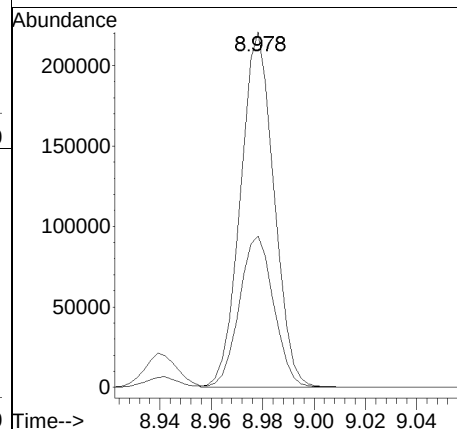
Tgt Ion	Ratio	Lower	Upper
106	100		
91	219.7	182.6	273.8

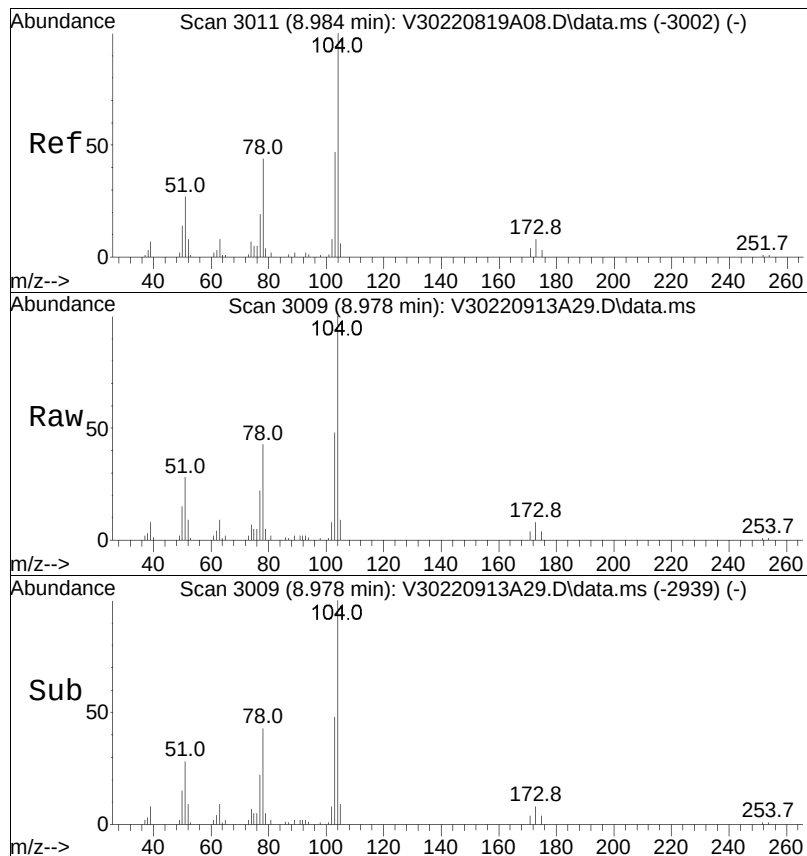




#78
 Styrene
 Concen: 20.92 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

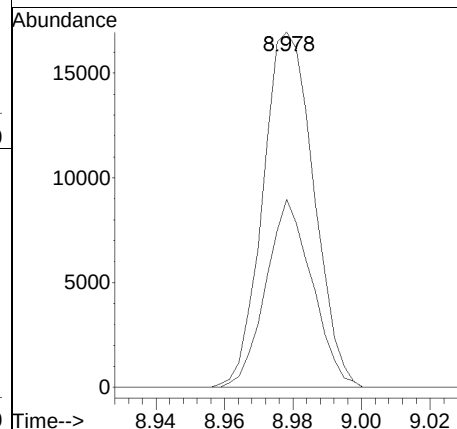
Tgt	Ion	Ratio	Lower	Upper
104	100			
78	43.9	39.8	59.6	

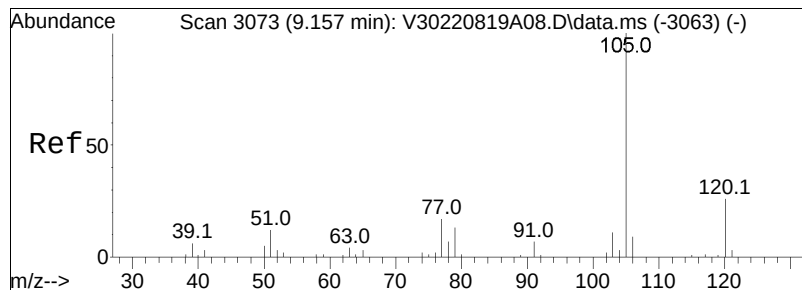




#80
 Bromoform
 Concen: 9.78 ug/L
 RT: 8.978 min Scan# 3009
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	31.5	71.5





#82

Isopropylbenzene

Concen: 10.14 ug/L

RT: 9.151 min Scan# 3071

Delta R.T. -0.006 min

Lab File: V30220913A29.D

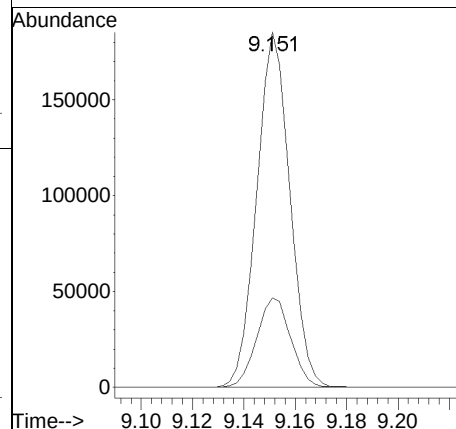
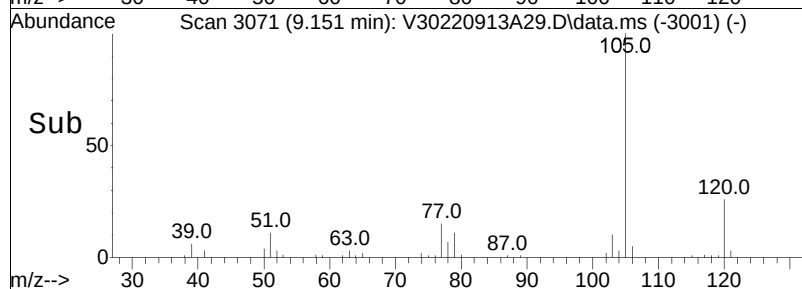
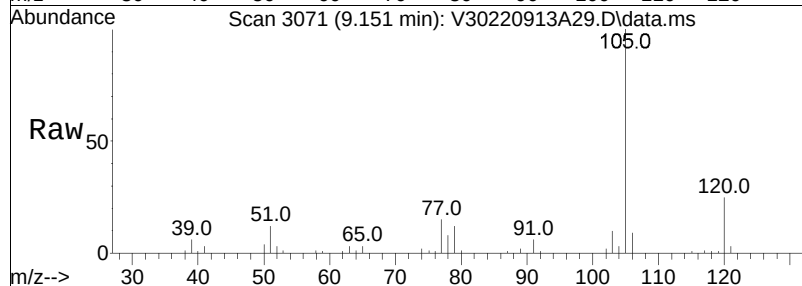
Acq: 13 Sep 2022 03:51 pm

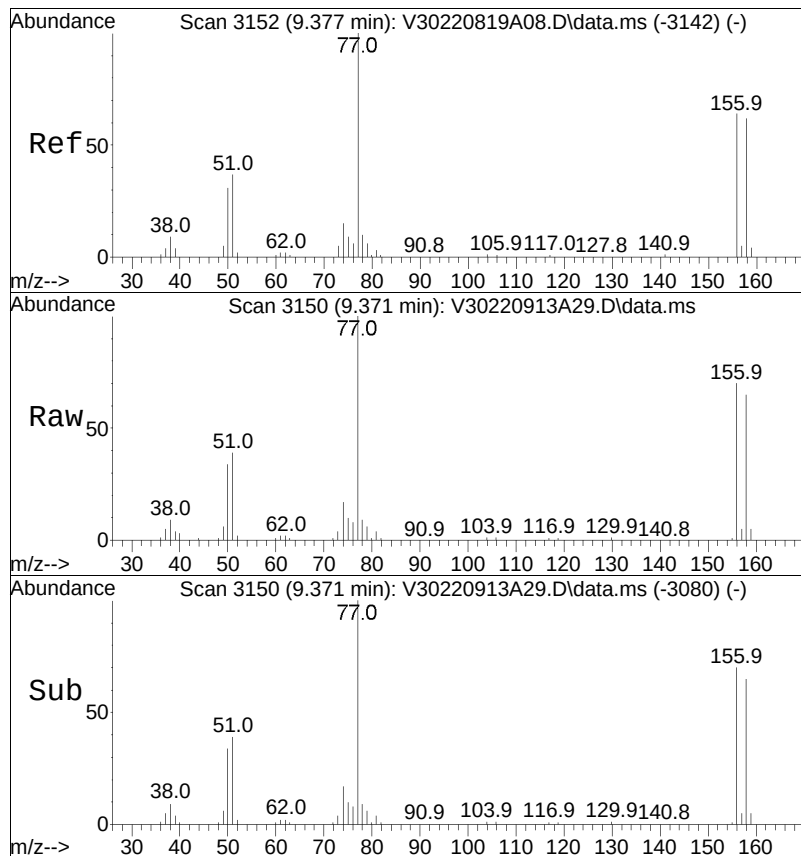
Tgt Ion:105 Resp: 165945

Ion Ratio Lower Upper

105 100

120 26.0 4.8 44.8





#84

Bromobenzene

Concen: 9.24 ug/L

RT: 9.371 min Scan# 3150

Delta R.T. -0.006 min

Lab File: V30220913A29.D

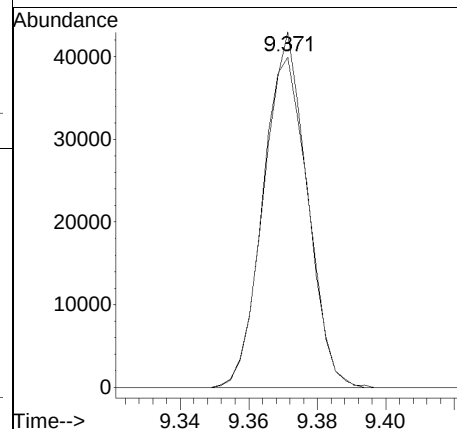
Acq: 13 Sep 2022 03:51 pm

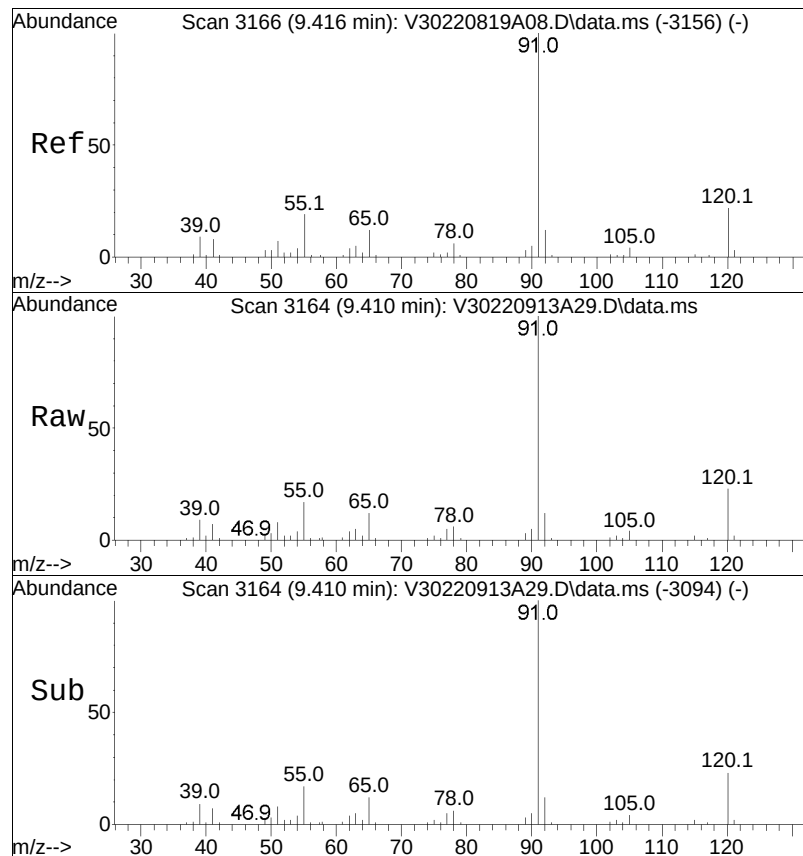
Tgt Ion:156 Resp: 37546

Ion Ratio Lower Upper

156 100

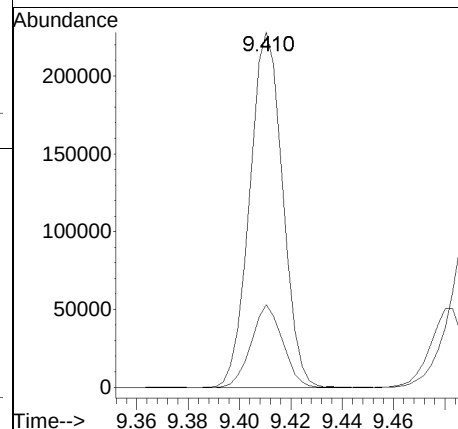
158 98.4 75.9 113.9

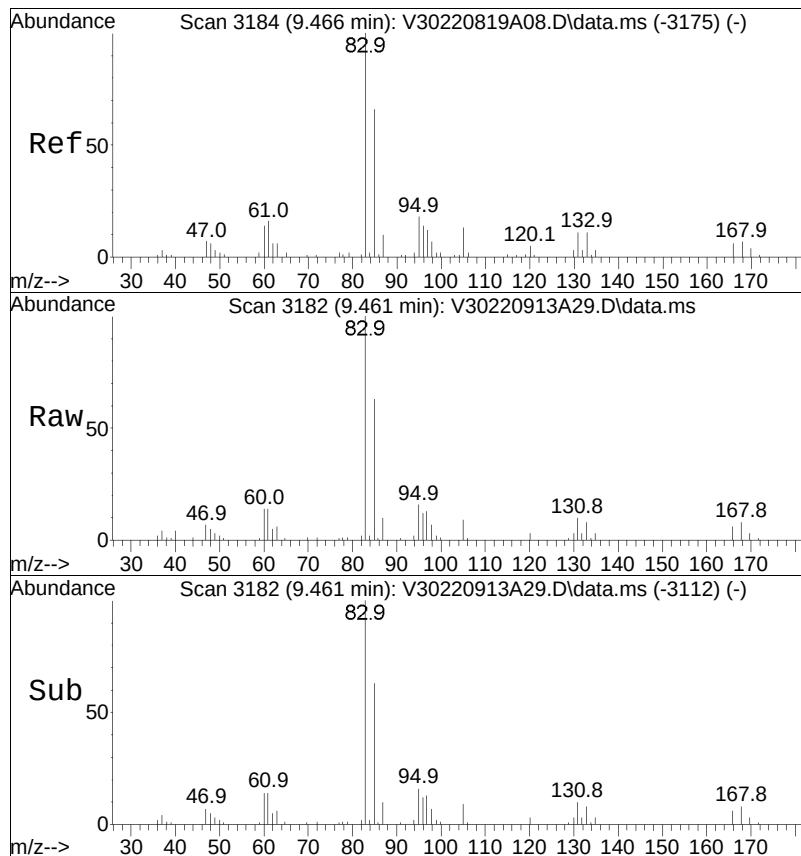




#85
 n-Propylbenzene
 Concen: 10.28 ug/L
 RT: 9.410 min Scan# 3164
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

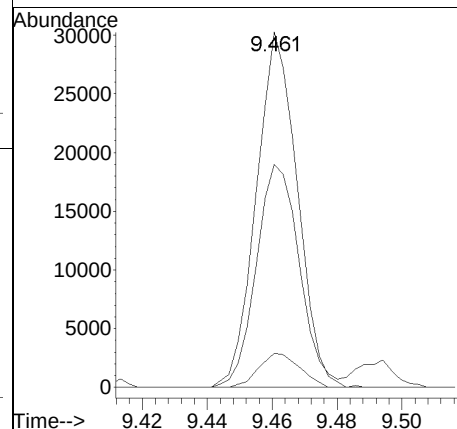
Tgt	Ion	Resp	Lower	Upper
91	100	203118		
120	22.1	17.0	25.6	

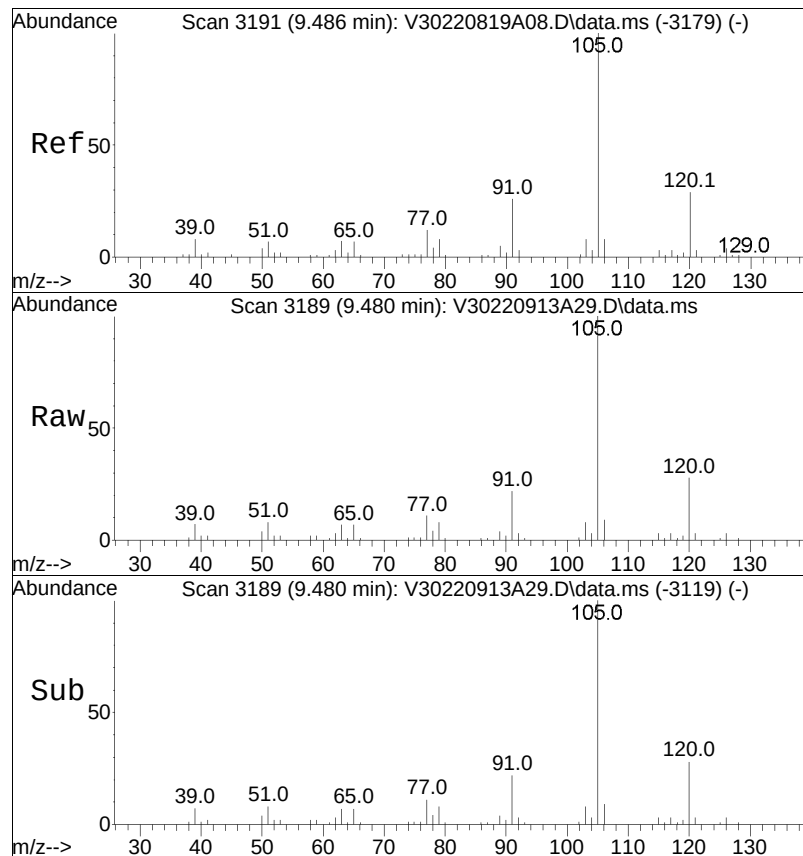




#87
 1,1,2,2-Tetrachloroethane
 Concen: 8.95 ug/L
 RT: 9.461 min Scan# 3182
 Delta R.T. -0.005 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

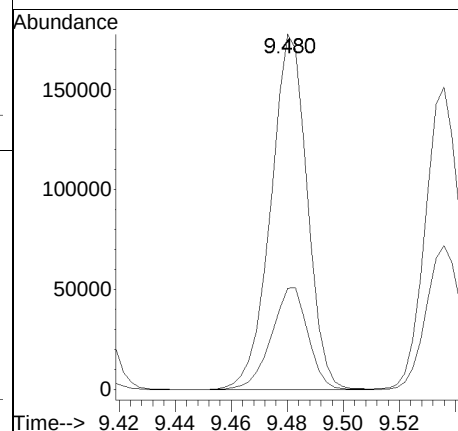
Tgt Ion:	83	Resp:	26543
Ion Ratio	Lower	Upper	
83	100		
131	9.6	0.0	30.4
85	66.1	45.4	85.4

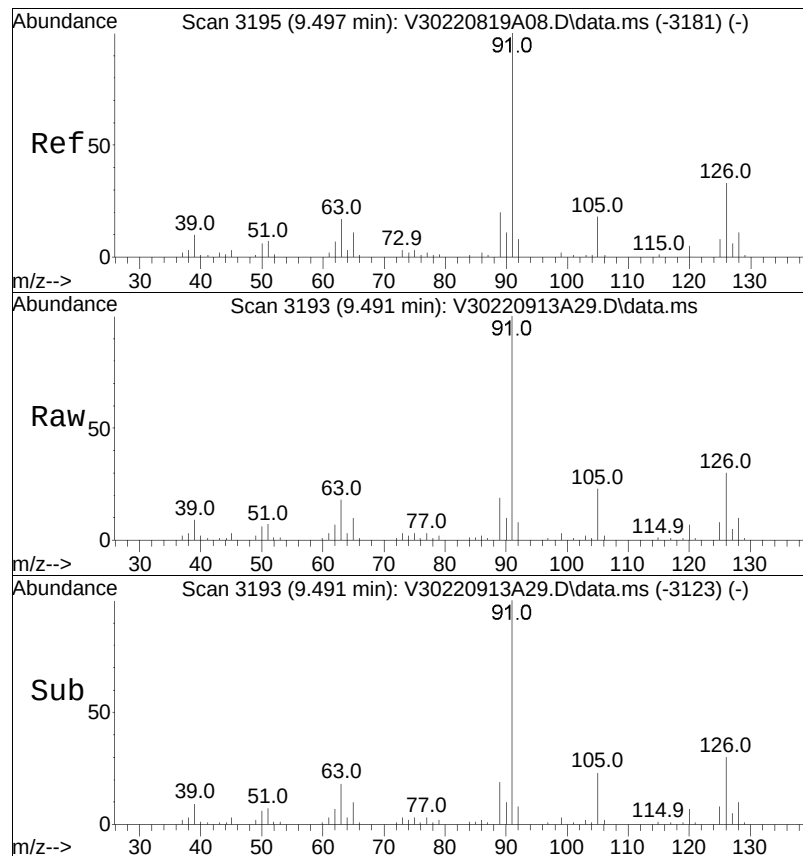




#88
 4-Ethyltoluene
 Concen: 9.92 ug/L
 RT: 9.480 min Scan# 3189
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

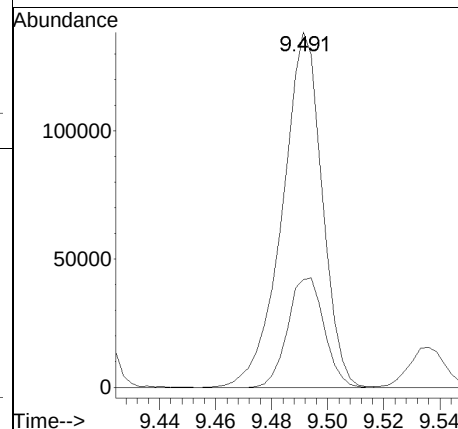
Tgt	Ion	Ratio	Lower	Upper
105	100			
120	28.8	18.1	37.7	

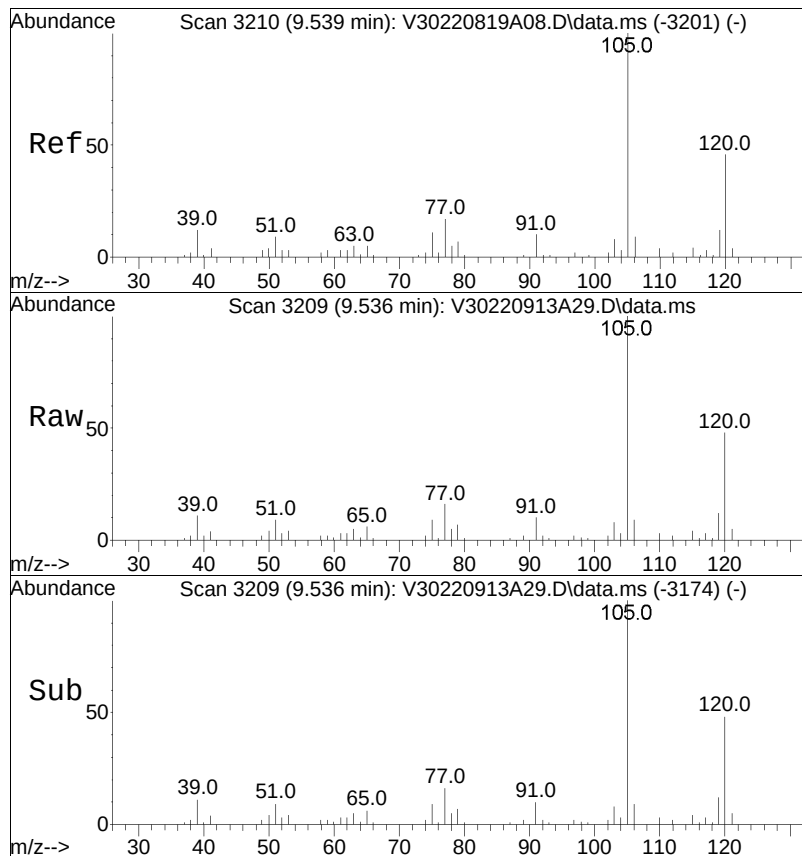




#89
 2-Chlorotoluene
 Concen: 9.94 ug/L
 RT: 9.491 min Scan# 3193
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

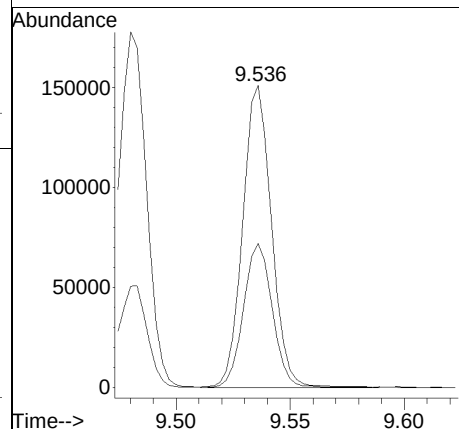
Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	21.5	32.3

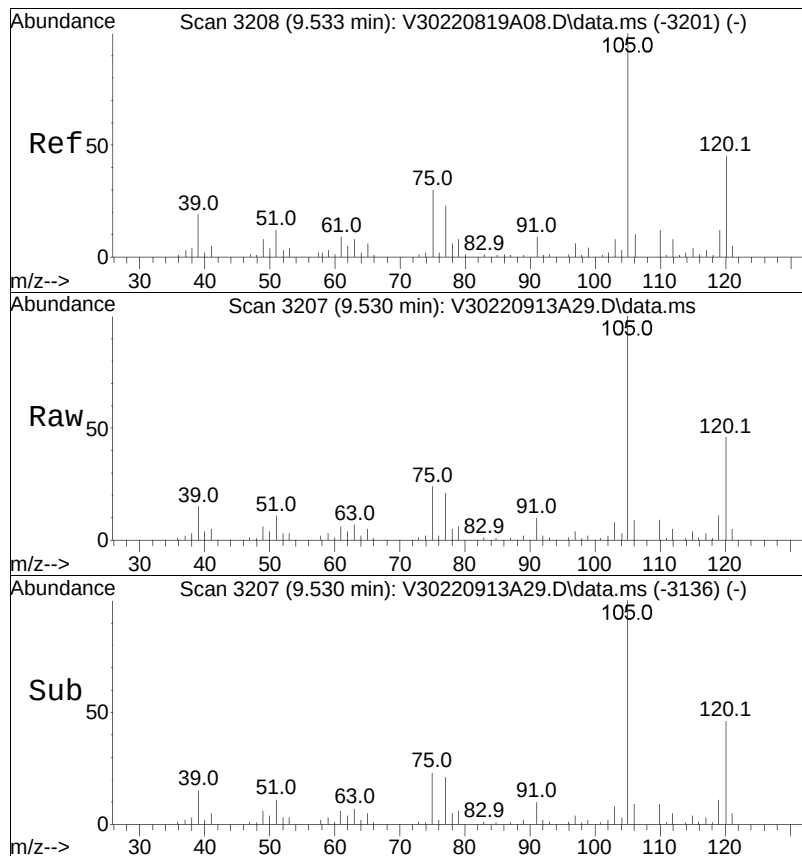




#90
 1,3,5-Trimethylbenzene
 Concen: 9.48 ug/L
 RT: 9.536 min Scan# 3209
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

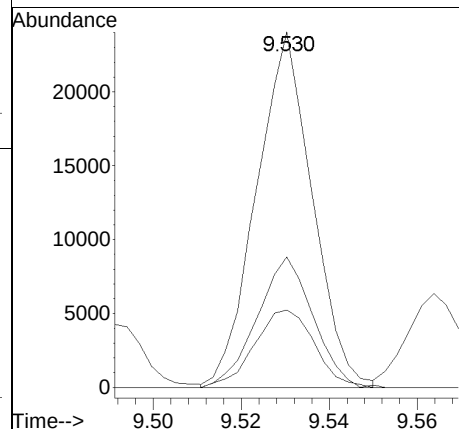
Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	47.4		34.8	52.2	

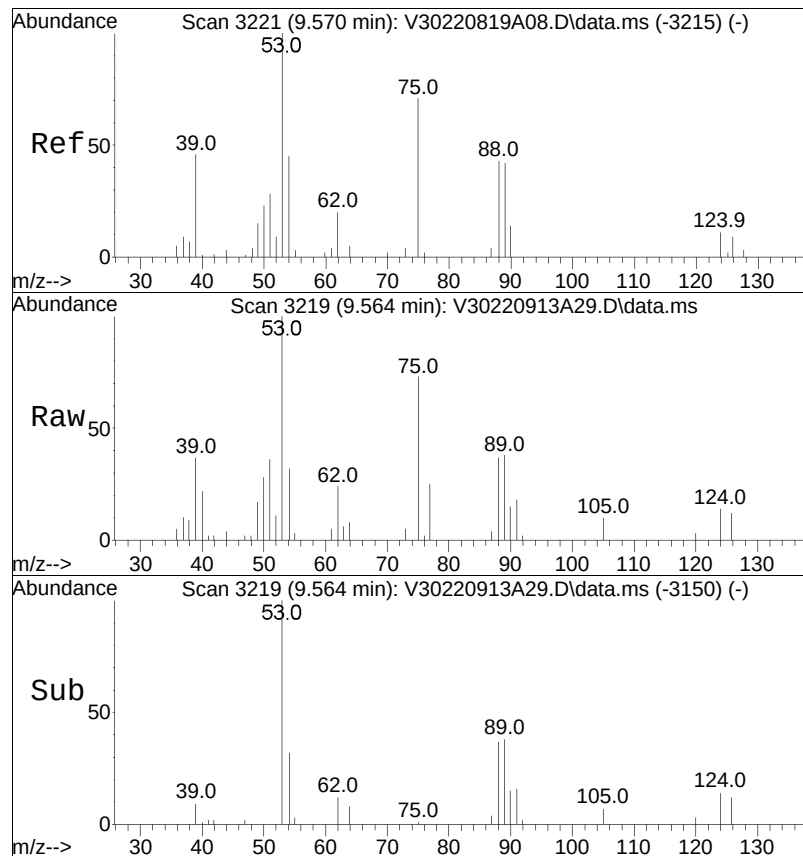




#91
 1,2,3-Trichloropropane
 Concen: 8.89 ug/L
 RT: 9.530 min Scan# 3207
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

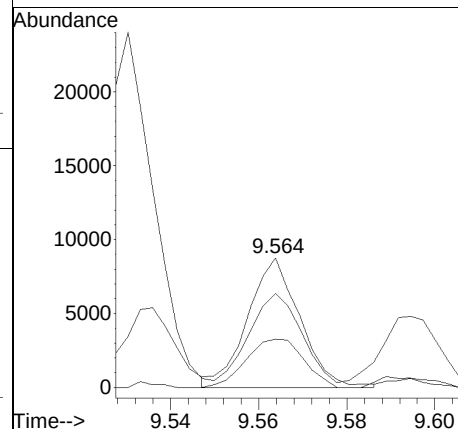
Tgt Ion:	75	Resp:	21180
Ion Ratio	Lower	Upper	
75	100		
110	36.6	25.4	52.8
112	23.3	15.6	32.4

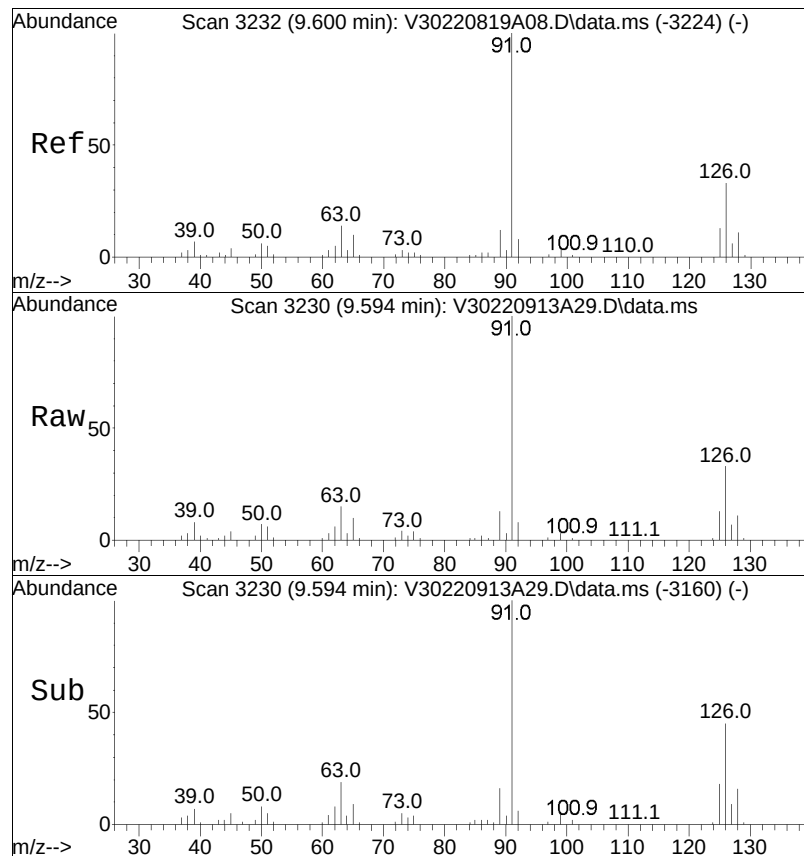




#92
trans-1,4-Dichloro-2-butene
Concen: 8.70 ug/L
RT: 9.564 min Scan# 3219
Delta R.T. -0.006 min
Lab File: V30220913A29.D
Acq: 13 Sep 2022 03:51 pm

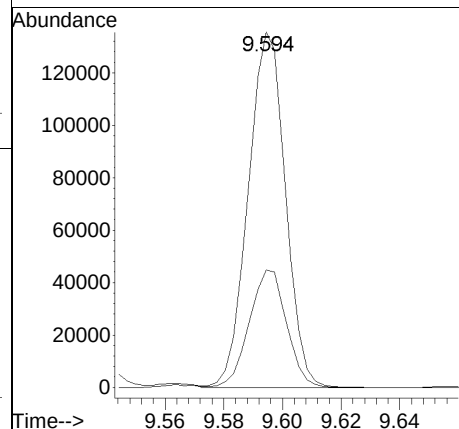
Tgt	Ion: 53	Resp:	7217
Ion	Ratio	Lower	Upper
53	100		
88	41.0	39.6	59.4
75	74.5	70.2	105.4

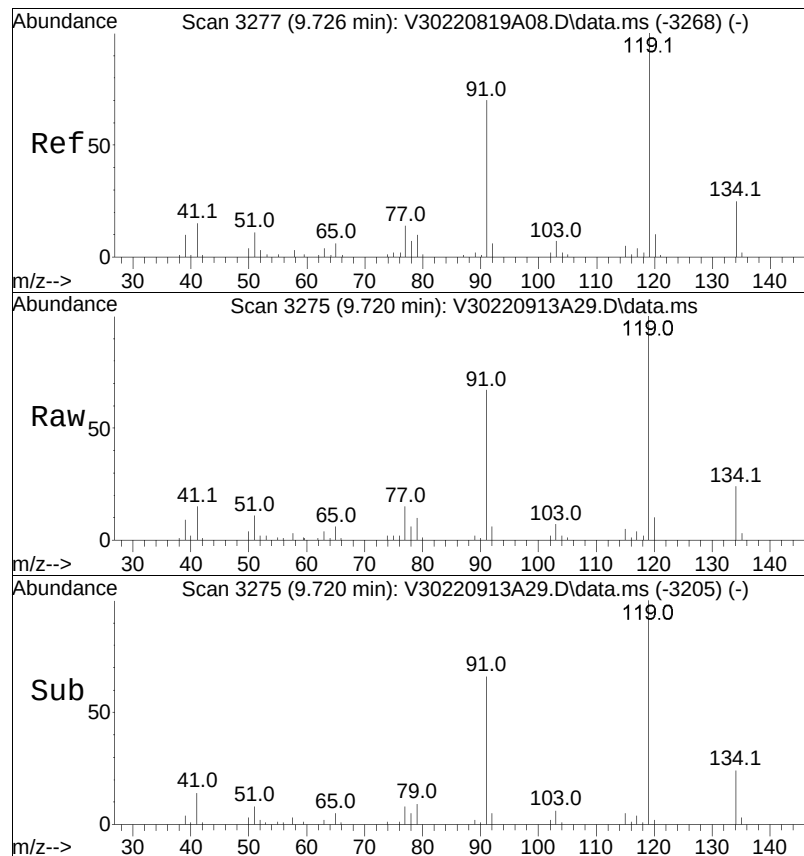




#93
 4-Chlorotoluene
 Concen: 9.62 ug/L
 RT: 9.594 min Scan# 3230
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

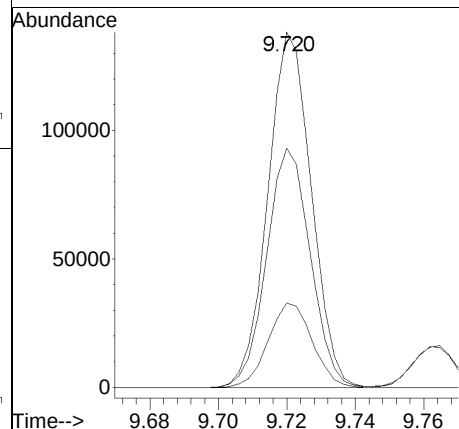
Tgt	Ion	Resp	Lower	Upper
91	100	119127		
126	33.1	24.6	36.8	

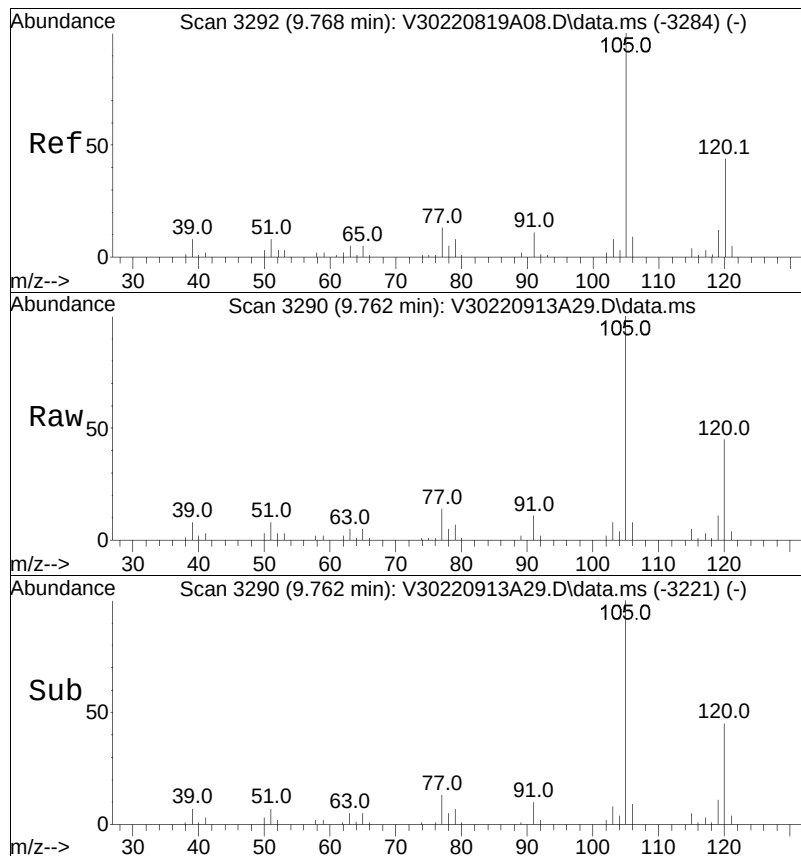




#94
 tert-Butylbenzene
 Concen: 10.11 ug/L
 RT: 9.720 min Scan# 3275
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

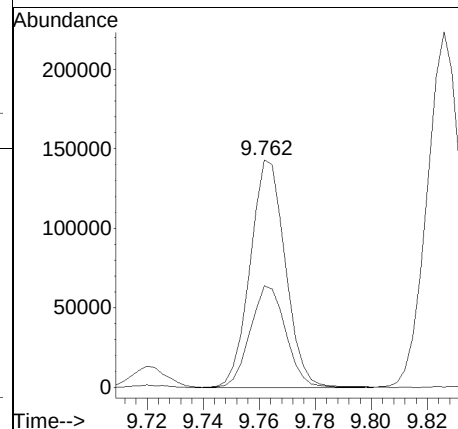
Tgt	Ion:119	Resp:	121841
Ion	Ratio	Lower	Upper
119	100		
91	67.7	51.4	77.2
134	24.0	18.3	27.5

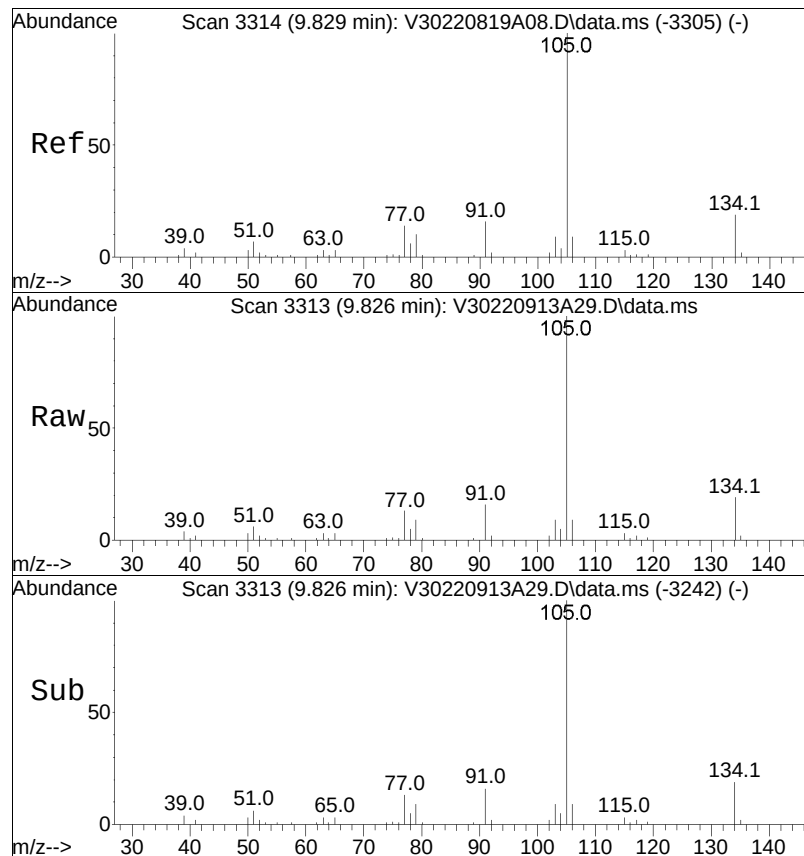




#97
 1,2,4-Trimethylbenzene
 Concen: 9.08 ug/L
 RT: 9.762 min Scan# 3290
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

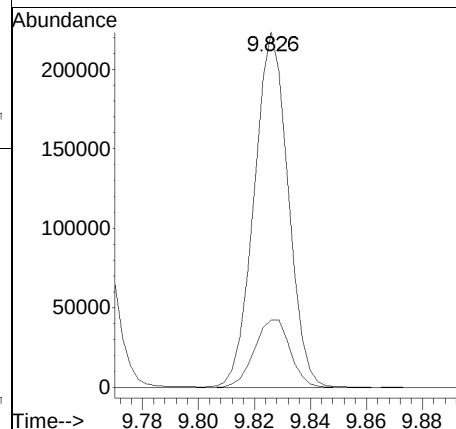
Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	45.0		33.4	50.0	

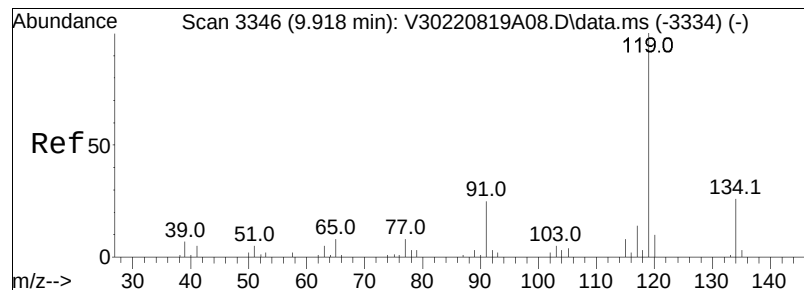




#98
 sec-Butylbenzene
 Concen: 10.43 ug/L
 RT: 9.826 min Scan# 3313
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

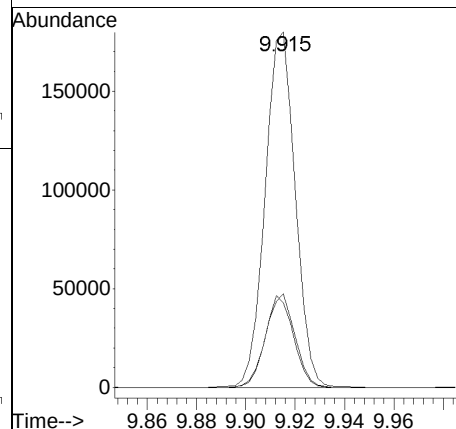
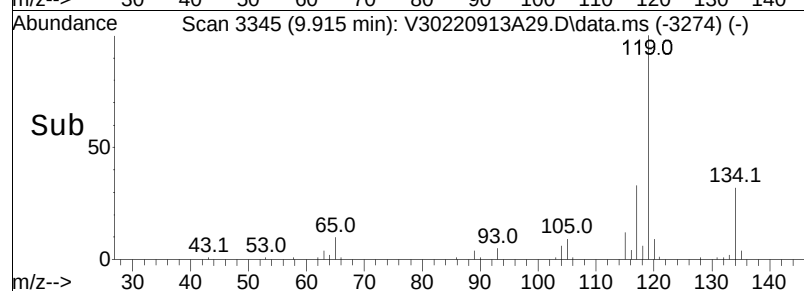
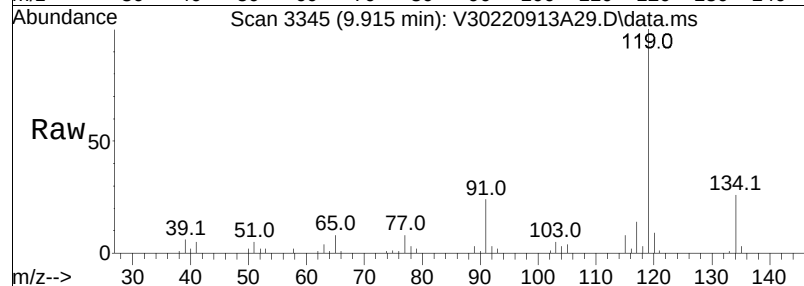
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	20.0	12.5	26.1	

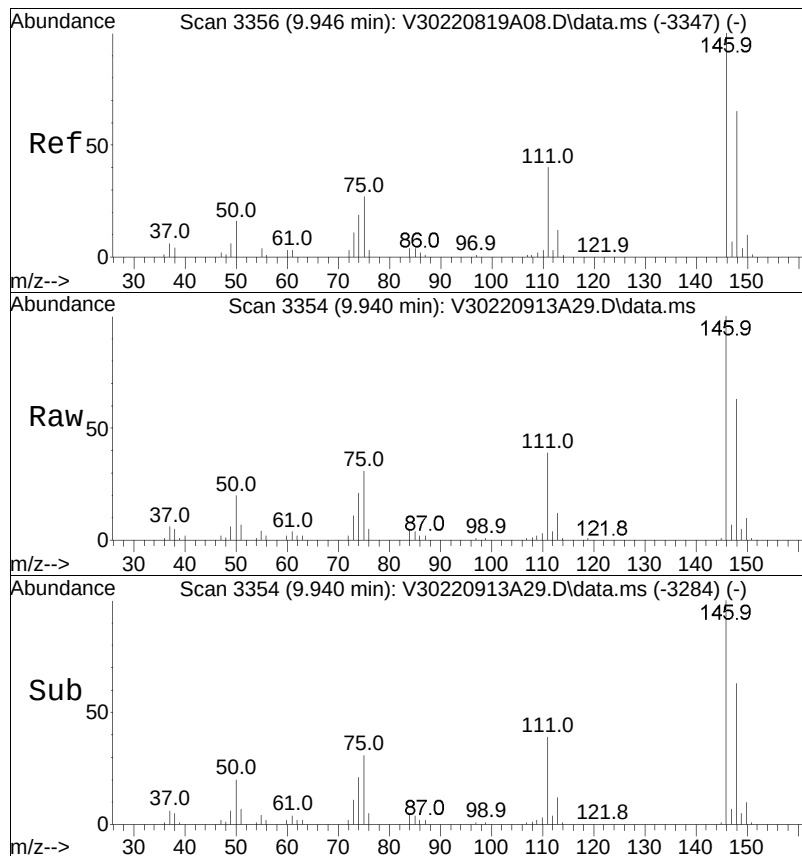




#99
 p-Isopropyltoluene
 Concen: 9.89 ug/L
 RT: 9.915 min Scan# 3345
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

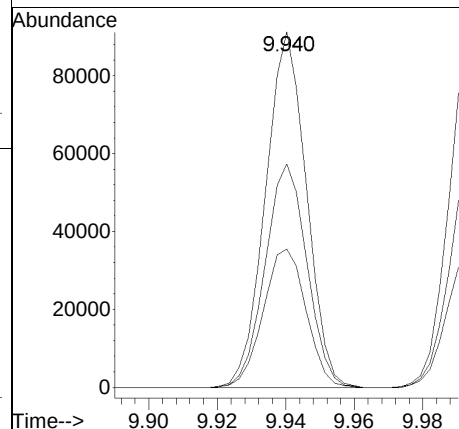
Tgt	Ion:119	Resp:	152853
Ion	Ratio	Lower	Upper
119	100		
134	25.4	16.1	33.3
91	24.4	17.3	35.9

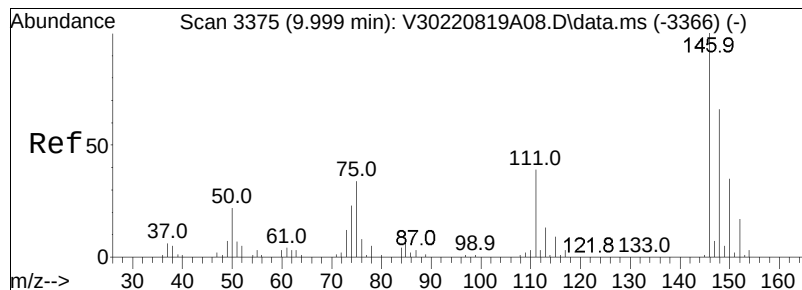




#100
 1,3-Dichlorobenzene
 Concen: 9.69 ug/L
 RT: 9.940 min Scan# 3354
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

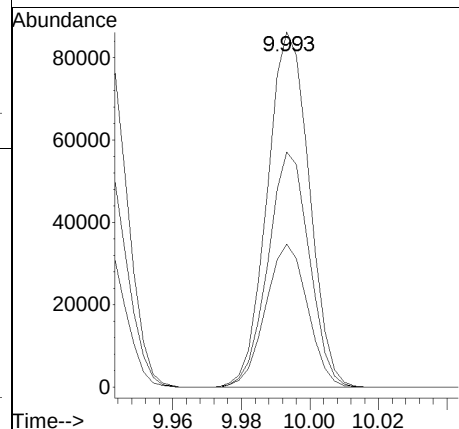
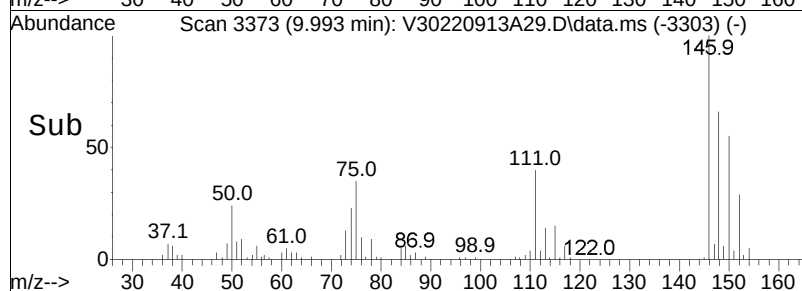
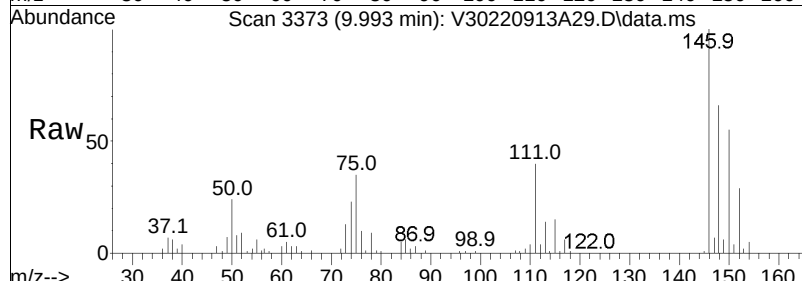
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	27.5	57.1
148	64.4	41.9	86.9

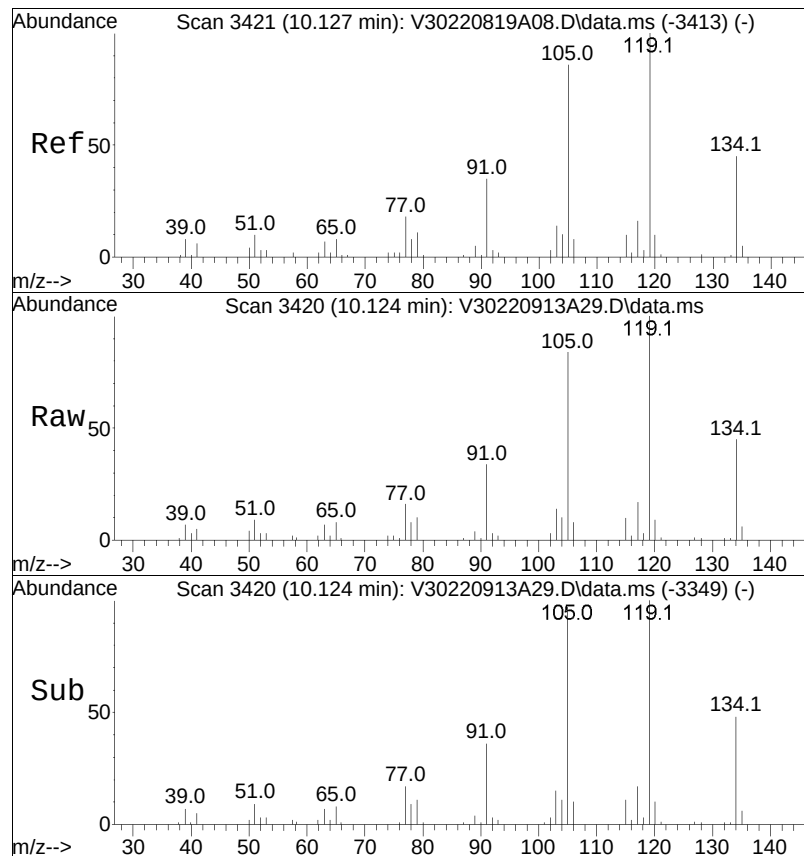




#101
 1,4-Dichlorobenzene
 Concen: 9.40 ug/L
 RT: 9.993 min Scan# 3373
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

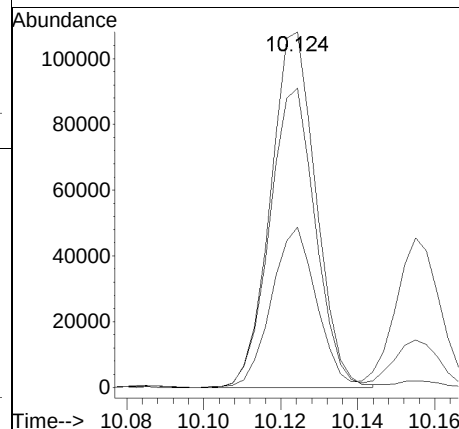
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.3	48.5
148	65.0	49.9	74.9

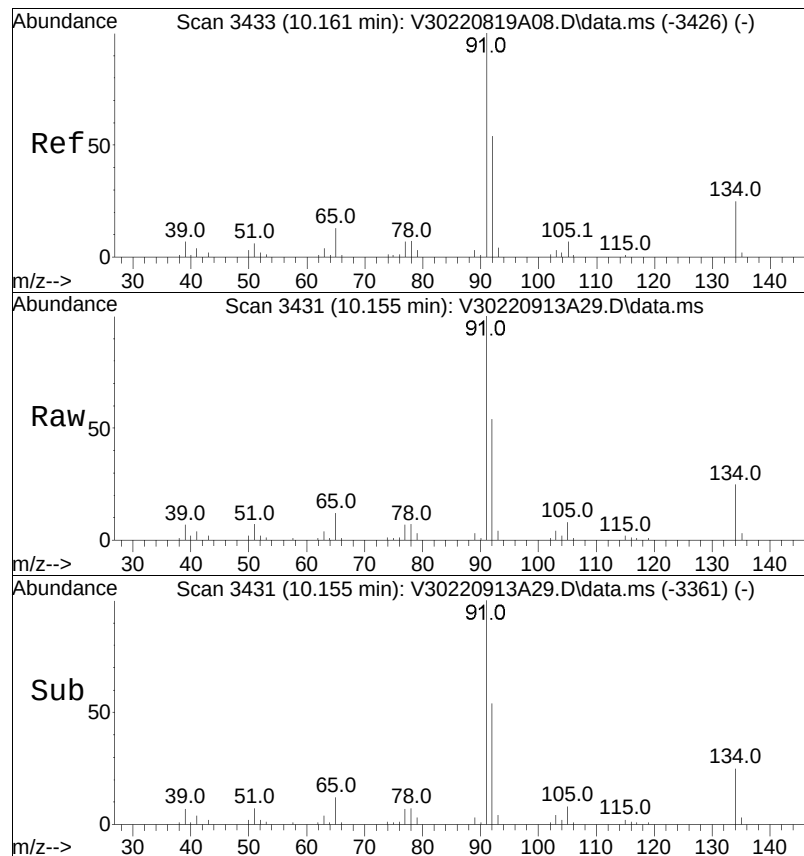




#102
 p-Diethylbenzene
 Concen: 9.46 ug/L
 RT: 10.124 min Scan# 3420
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

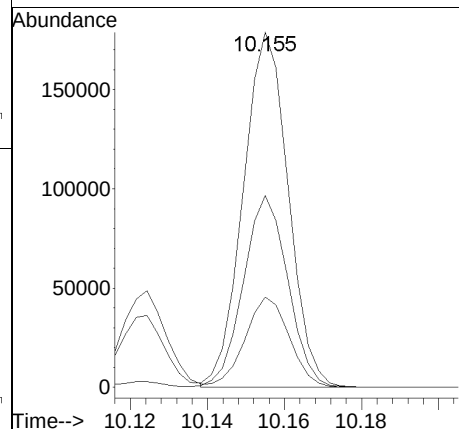
Tgt Ion:	119	Resp:	88543
Ion Ratio	Lower	Upper	
119	100		
105	85.1	59.5	123.7
134	44.5	30.2	62.6

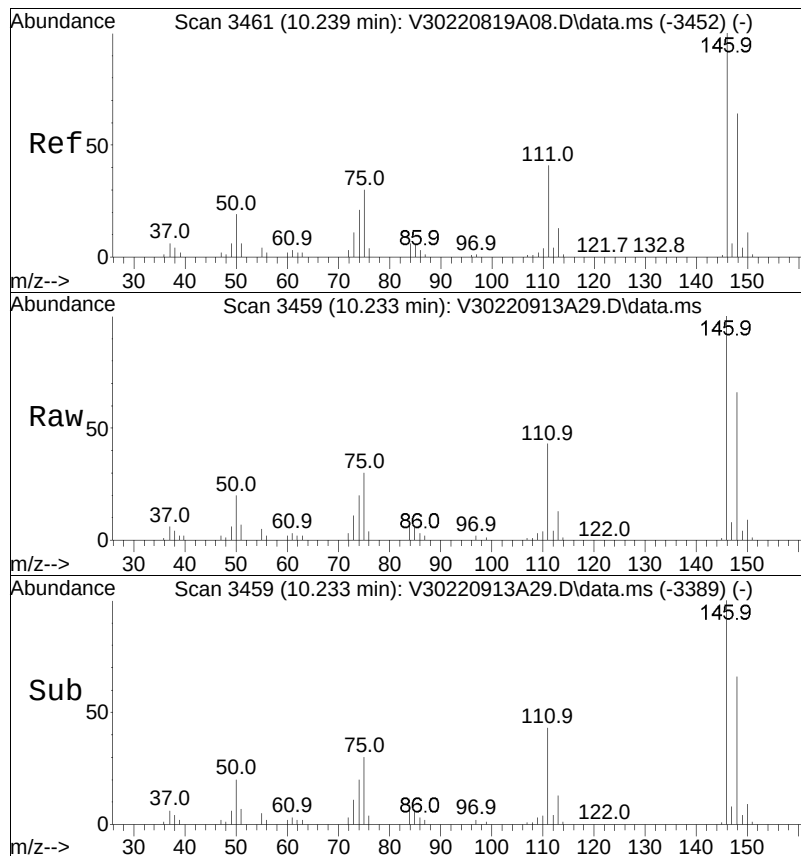




#103
 n-Butylbenzene
 Concen: 10.13 ug/L
 RT: 10.155 min Scan# 3431
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

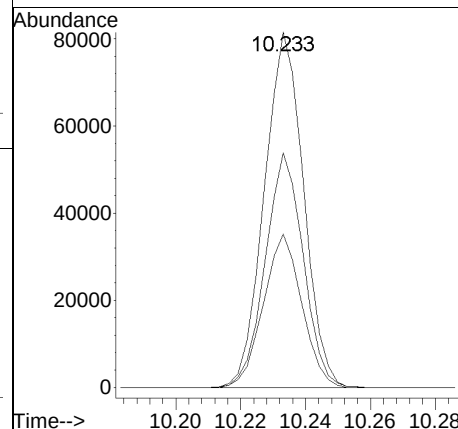
Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.0	64.4
134	25.1	19.6	29.4

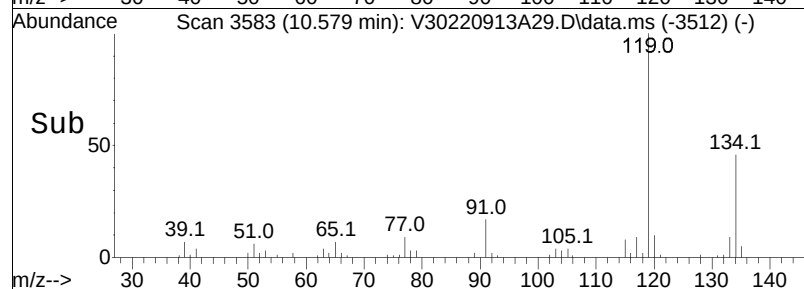
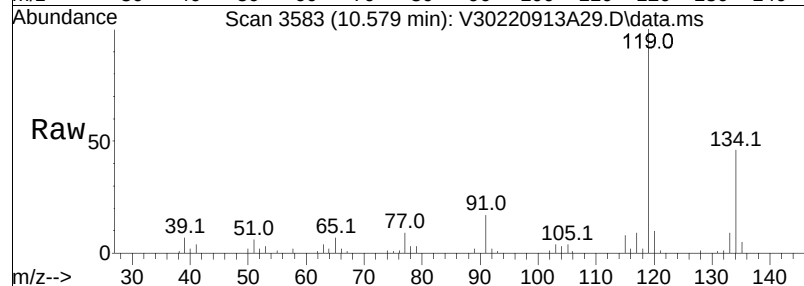
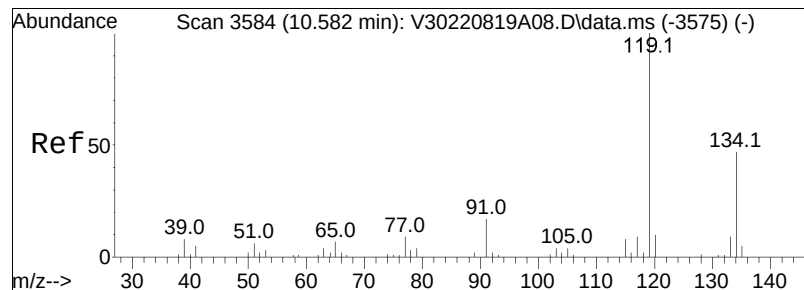




#104
 1,2-Dichlorobenzene
 Concen: 9.37 ug/L
 RT: 10.233 min Scan# 3459
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

Tgt Ion:	146	Resp:	68487
Ion Ratio	Lower	Upper	
146	100		
111	42.2	28.3	58.7
148	63.9	42.3	87.8





#105

1,2,4,5-Tetramethylbenzene

Concen: 7.33 ug/L

RT: 10.579 min Scan# 3583

Delta R.T. -0.003 min

Lab File: V30220913A29.D

Acq: 13 Sep 2022 03:51 pm

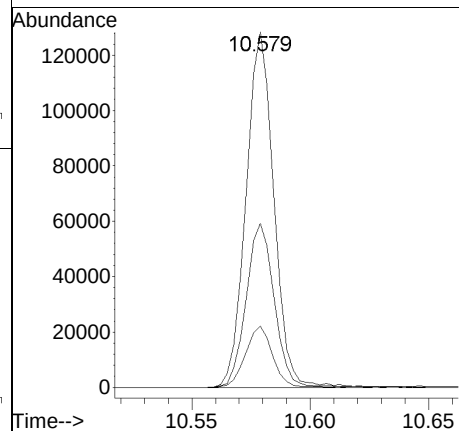
Tgt Ion:119 Resp: 104836

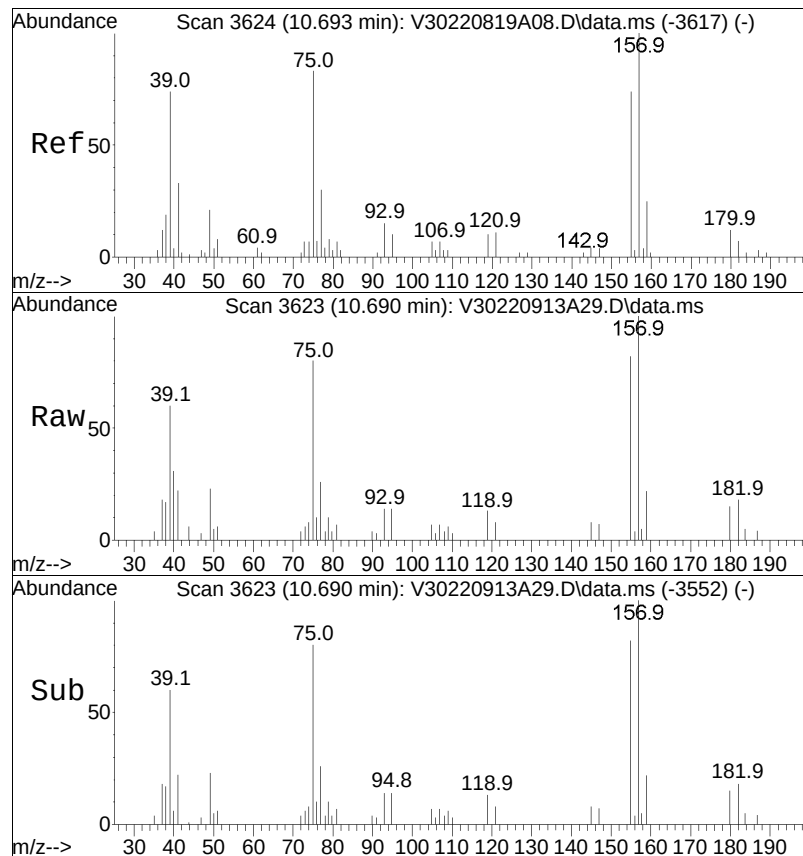
Ion Ratio Lower Upper

119 100

134 46.7 30.5 63.3

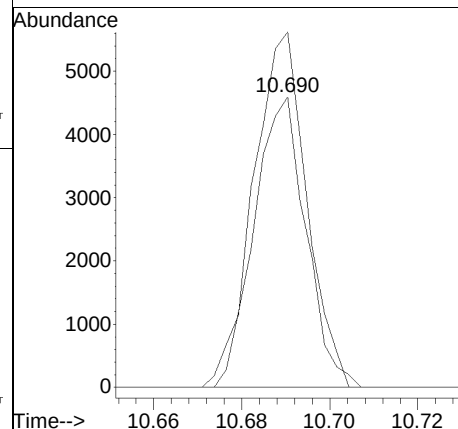
91 16.8 12.4 25.7

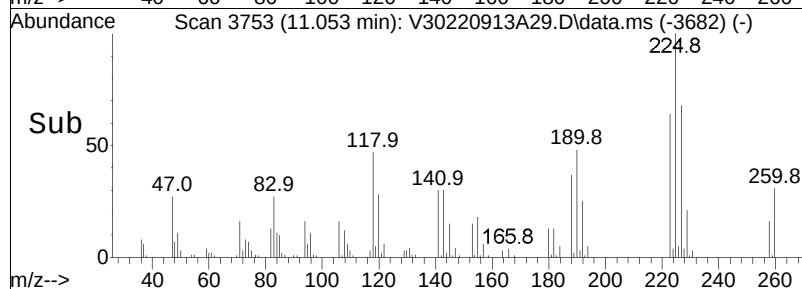
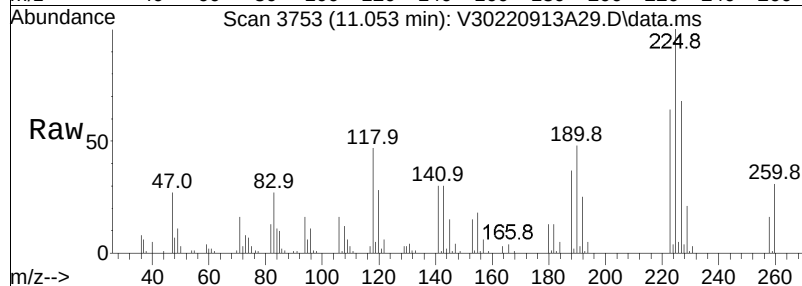
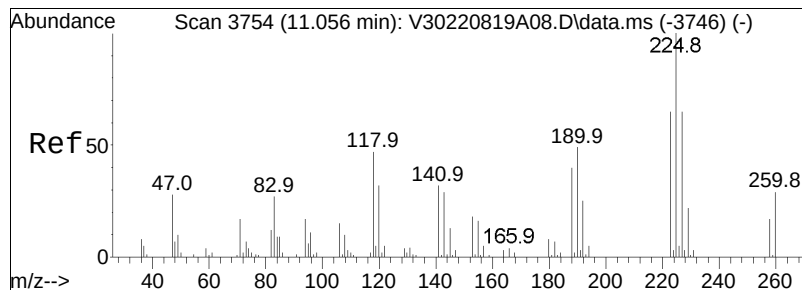




#106
 1,2-Dibromo-3-chloropropane
 Concen: 9.86 ug/L
 RT: 10.690 min Scan# 3623
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

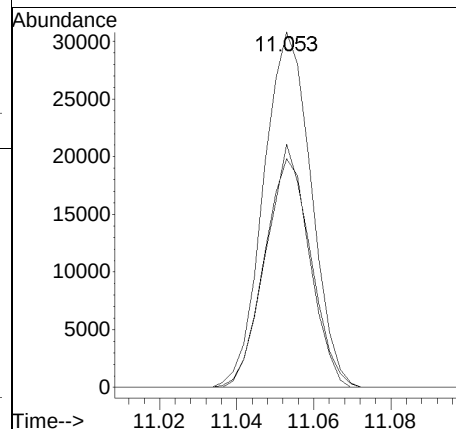
Tgt Ion	Ratio	Lower	Upper
155	100		
157	125.7	94.8	142.2

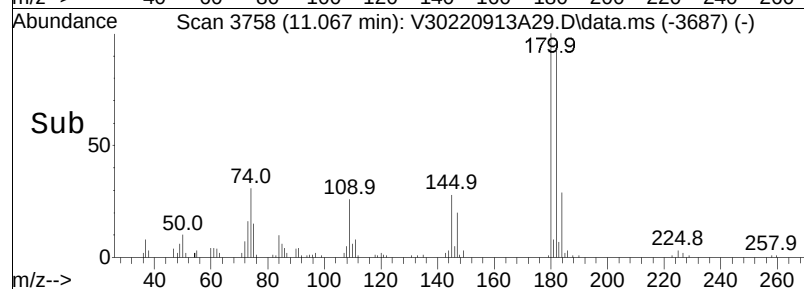
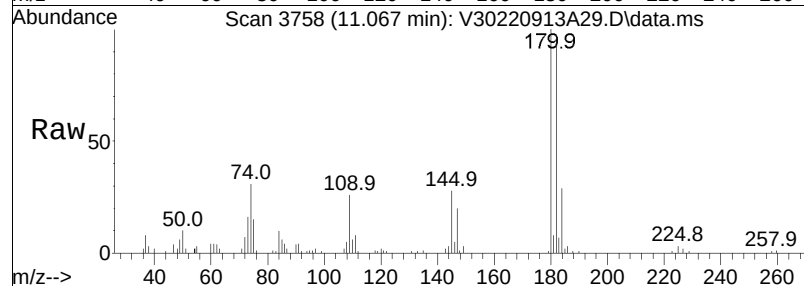
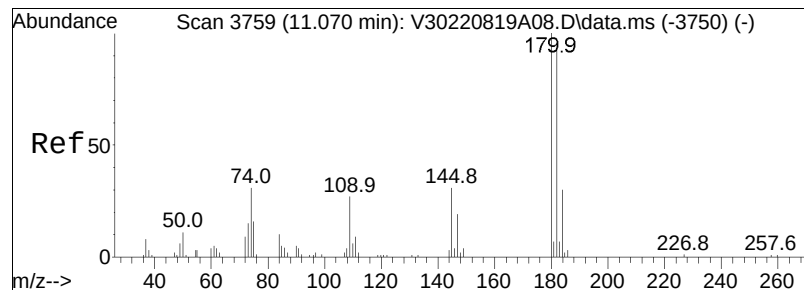




#108
 Hexachlorobutadiene
 Concen: 9.39 ug/L
 RT: 11.053 min Scan# 3753
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

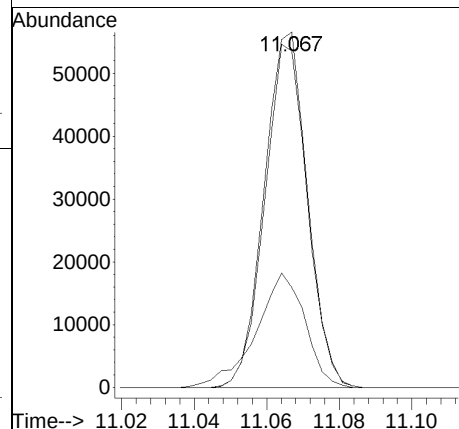
Tgt Ion:	225	Resp:	26492
Ion Ratio	Lower	Upper	
225	100		
223	62.1	54.3	81.5
227	63.3	52.4	78.6

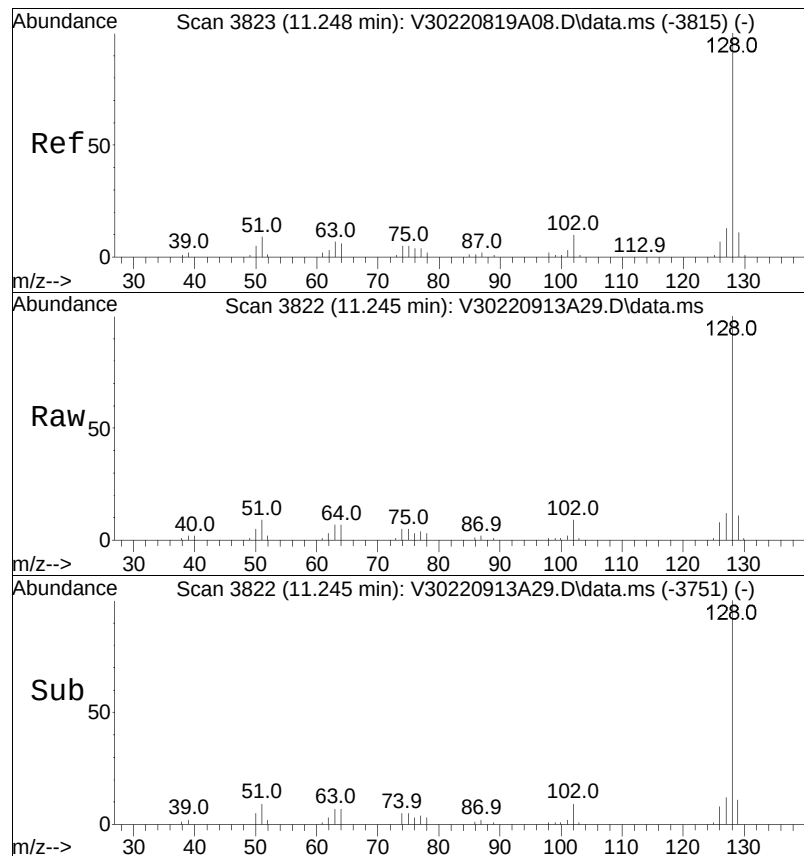




#109
 1,2,4-Trichlorobenzene
 Concen: 8.65 ug/L
 RT: 11.067 min Scan# 3758
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

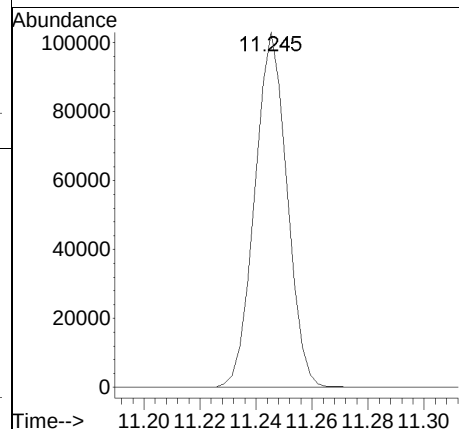
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.3	115.9
145	36.5	28.1	42.1

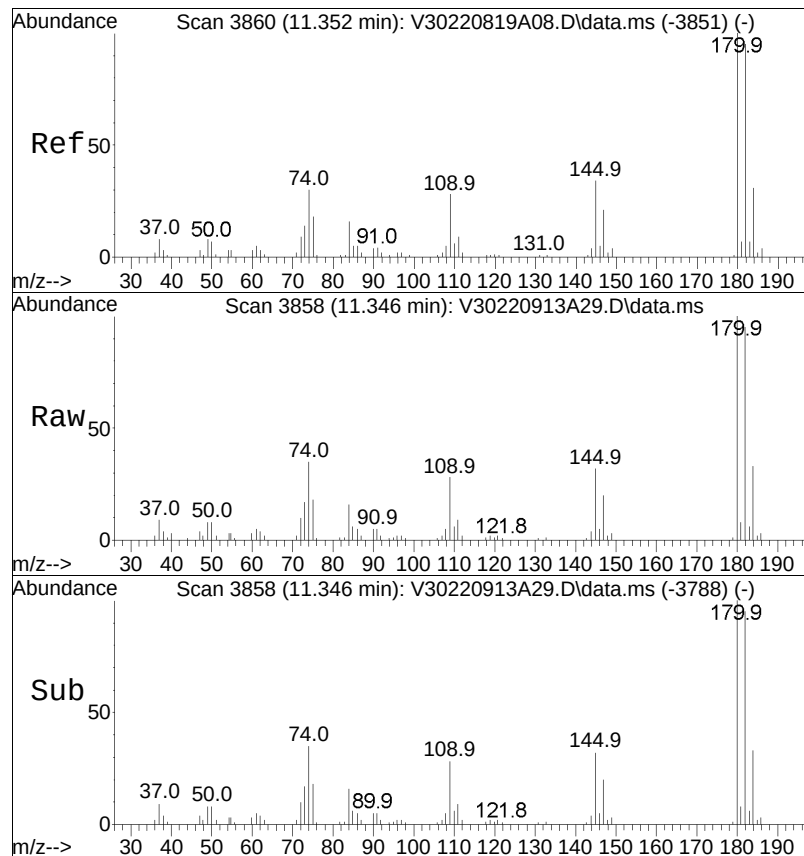




#110
 Naphthalene
 Concen: 8.48 ug/L
 RT: 11.245 min Scan# 3822
 Delta R.T. -0.003 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

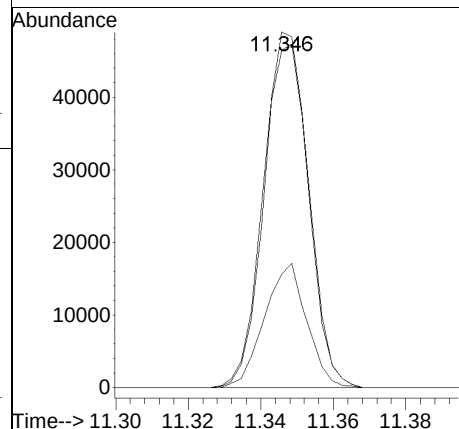
Tgt Ion:128 Resp: 82473





#111
 1,2,3-Trichlorobenzene
 Concen: 8.84 ug/L
 RT: 11.346 min Scan# 3858
 Delta R.T. -0.006 min
 Lab File: V30220913A29.D
 Acq: 13 Sep 2022 03:51 pm

Tgt Ion:	180	Resp:	42403
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.4	114.6
145	32.5	26.4	39.6



Manual Integration Report

Data Path	: I:\VOLATILES\VOA130\2022\20	Method	: VOA130_220819A_8260.m
Data File	: V30220913A29.D	Operator	: VOA130:PD
Date Inj'd	: 9/13/2022 3:51 pm	Instrument	: VOA130
Sample	: WG1686411-7,31,10,10,,c1	Quant Date	: 9/13/2022 7:17 pm

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



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * Uf * (1/Vo)$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: $Amt * DF * (1/Wt)$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 14 2022, 11:31 am

Work Group: WG1686411 for Department: 31 GC/MS - Volatiles

Created: 12-SEP-22 Due: Operator: MKS

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2248605-01	RMW-5	S NYTCL-8260	WATER	DONE	U	0922	0914	S0	Vial-B
L2248605-02	RMW-9R	S NYTCL-8260	WATER	DONE	U	0922	0914	S0	Vial-B
L2248605-03	RMW-11R	S NYTCL-8260	WATER	DONE	U	0922	0914	S0	Vial-B
L2248605-04	DUP090822	S NYTCL-8260	WATER	DONE	U	0922	0914	S0	Vial-B
L2248605-05	FIELD BLANK 090822	S NYTCL-8260	WATER	DONE	U	0922	0914	S0	Vial-B
L2248605-06	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0921	0914	S0	Vial-B
L2248798-01	MW06D_090822	S NYTCL-8260	WATER	DONE	U	0922	0914	S0	Vial-B
L2248798-02	TB03_090822	S NYTCL-8260	WATER	DONE	U	0922	0914	S0	Vial-B
L2248881-04	B_FB01_09082022	S NYTCL-8260	WATER	SEC	U	0922	0914	S0	Vial-B
L2248881-07	B_SOTB03_090822	S NYTCL-8260	WATER	DONE	U	0922	0914	S0	Vial-B
L2249090-01	WS-090922-US-1	S NYTCL-8260-R2	WATER	DONE	U	0923	0913	3B	Vial-B
L2249090-03	WS090922-DS-1	S NYTCL-8260-R2	WATER	DONE	U	0923	0913	3B	Vial-B
L2249233-16	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0923	0914	1C	Vial-B
WG1686411-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DACQ	U				
WG1686411-1	MS BFB Tune Standard	S NYTCL-8260-R2	WATER	DONE	U				
WG1686411-10	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG1686411-10	Laboratory Control S	S NYTCL-8260-R2	WATER	DACQ	U				
WG1686411-11	LCS Duplicate	S NYTCL-8260-R2	WATER	DACQ	U				
WG1686411-11	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG1686411-12	Laboratory Method Bl	S NYTCL-8260-R2	WATER	DACQ	U				
WG1686411-12	Laboratory Method Bl	S NYTCL-8260	WATER	DONE	U				
WG1686411-2	Continuing Calibrati	S NYTCL-8260-R2	WATER	DONE	U				
WG1686411-2	Continuing Calibrati	S NYTCL-8260	WATER	DACQ	U				
WG1686411-3	Laboratory Control S	S NYTCL-8260-R2	WATER	DONE	U				
WG1686411-3	Laboratory Control S	S NYTCL-8260	WATER	DACQ	U				
WG1686411-4	LCS Duplicate	S NYTCL-8260-R2	WATER	DONE	U				
WG1686411-4	LCS Duplicate	S NYTCL-8260	WATER	DACQ	U				
WG1686411-5	Laboratory Method Bl	S NYTCL-8260-R2	WATER	DONE	U				
WG1686411-5	Laboratory Method Bl	S NYTCL-8260	WATER	DACQ	U				
WG1686411-6	Matrix Spike	S NYTCL-8260-R2	WATER	DACQ	U				
WG1686411-6	Matrix Spike	S NYTCL-8260	WATER	DONE	U				
WG1686411-7	Matrix Spike Duplica	S NYTCL-8260-R2	WATER	DACQ	U				
WG1686411-7	Matrix Spike Duplica	S NYTCL-8260	WATER	DONE	U				
WG1686411-8	MS BFB Tune Standard	S NYTCL-8260-R2	WATER	DONE	U				
WG1686411-8	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG1686411-9	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG1686411-9	Continuing Calibrati	S NYTCL-8260-R2	WATER	DONE	U				
Comments:									
WG1686411-11	WG1686411-10								
WG1686411-4	WG1686411-3								
WG1686411-6	L2248605-03								
WG1686411-7	L2248605-03								

Inst: VOA130
 Initials: PD
 Date: **08/19/22**
 Run: **A**

BFB: V9160
 IS/SS: V9202
 ICAL: V9206A,V9198
 ICV: V9152,V9203,V9172,V9151,V9178,V9173

Method
 GC: 8260
 Autosampler: 8260
 Concentrator: 8260



QC: _____ Seq: _____

Vial	Data File	Sample	pH<2
1	V30220819ABF1	BFB TUNE	
1	V30220819A01	BLK	
2	V30220819A02	BLK	
3	V30220819A03	I8260STD0.19PPB	
4	V30220819A04	I8260STD0.5PPB	
5	V30220819A05	I8260STD0.5PPB	
6	V30220819A06	I8260STD2PPB	
7	V30220819A07	I8260STD2PPB	
8	V30220819A08	I8260STD10PPB	
9	V30220819A09	I8260STD30PPB	
10	V30220819A10	I8260STD80PPB	
11	V30220819A11	I8260STD120PPB	
12	V30220819A12	I8260STD200PPB	
13	V30220819A13	BLK	
14	V30220819A14	BLK	
15	V30220819A15	BLK	
16	V30220819A16	BLK	
17	V30220819A17	C8260STD10PPB	
18	V30220819A18	C8260STD10PPB	
19	V30220819A19	BLK	
20	V30220819A20	BLK	
21	V30220819A21	MDL METHOD BLK	
22	V30220819A22	MDL L11	
23	V30220819A23	MDL L1	
24	V30220819A24	MDL L2	
25	V30220819A25	BLK	

Inst: VOA130
 Initials: MJV
 Date: 09/12/22
 Run: A

BFB: V9220
 IS/SS: V9214
 ICAL: V9206B,V9240

Method
 GC: 8260
 Autosampler: 8260
 Concentrator: 8260



QC: _____ Seq: _____

Vial	Data File	Sample	pH<2
1	V30220912ABF1	BFB TUNE 06:36	
1	V30220912A01	8260 CCAL LCS	
2	V30220912A02	8260 CCAL LCSD	
3	V30220912A03	8260 CCAL	
4	V30220912A04	BLK	
5	V30220912A05	METHOD BLK	
6	V30220912A06	I2249090-01,31,10,10,,a,r3b NY CURVE	pH<2
7	V30220912A07	I2249090-03,31,10,10,,a,r3b NY CURVE	pH<2
8	V30220912A08	I2249233-16,31,10,10,,a,r1c NYTCL TB	pH<2
9	V30220912A09	I2248881-04,31,10,10,,a,pri NYTCL FB	pH<2
10	V30220912A10	I2248881-07,31,10,10,,a,pri NYTCL TB	pH<2
11	V30220912A11	I2248798-02,31,10,10,,a,pri NYTCL TB	pH<2
12	V30220912A12	I2248605-05,31,10,10,,a,pri NYTCL FB	pH<2
13	V30220912A13	I2248605-06,31,10,10,,a,pri NYTCL TB	pH<2
14	V30220912A14	I2248798-01,31,10,10,,a,pri NYTCL	pH<2
15	V30220912A15	I2248605-01,31,10,10,,a,pri NYTCL	pH<2
16	V30220912A16	I2248605-02,31,10,10,,a,pri NYTCL	pH<2
17	V30220912A17	I2248605-03,31,10,10,,a,pri NYTCL	pH<2
18	V30220912A18	I2248605-04,31,10,10,,a,pri NYTCL	pH<2
19	V30220912A19	I2247655-01,31,10,10,,a NJ/15	pH<2
20	V30220912A20	I2247145-03,31,10,10,,a,pri NJ/15 HT9-13	pH<2
21	V30220912A21	I2247798-06,31,10,10,,a NJ/TBA/MBTE	pH<2
22	V30220912A22	I2247958-02,31,10,10,,a NJ/15	pH<2
23	V30220912A23	I2247958-01,31,10,10,,a NJ/15	pH<2
24	V30220912A24	I2247958-12,31,10,10,,a NJ/15 TB	pH<2
25	V30220912A25	I2248605-03MS,31,10,10,,a1 NYTCL	pH<2
26	V30220912A26	I2248605-03MSD,31,10,10,,a2 NYTCL	pH<2
27	V30220912A27	HSTD	
28	V30220912A28	BLK	
29	V30220912A29	BLK	

Inst: VOA130
 Initials: MJV/MKS
 Date: 09/13/22
 Run: A

BFB: V9220
 IS/SS: V9214
 ICAL: V9206B,V9240

Method
 GC: 8260
 Autosampler: 8260
 Concentrator: 8260



QC: _____ Seq: _____

Vial	Data File	Sample	pH<2
1	V30220913ABF1	BFB TUNE 06:25	
1	V30220913A01	8260 CCAL QC FAILS	
2	V30220913A02	8260 CCAL LCS	
3	V30220913A03	8260 CCAL LCSD	
4	V30220913A04	8260 CCAL	
5	V30220913A05	BLK	
6	V30220913A06	METHOD BLK	
7	V30220913A07	L2249137-06,31,10,10,,B,PRI NJ/15	TB pH<2
8	V30220913A08	L2249137-01,31,10,10,,A,PRI NJ/15	pH<2
9	V30220913A09	L2249137-04,31,10,10,,A,PRI NJ/15	pH<2
10	V30220913A10	L2249137-05,31,10,10,,A,PRI NJ/15	pH<2
11	V30220913A11	I2249137-02d,31,0.05,10,,a,pri NJ/15	pH<2
12	V30220913A12	I2249137-03d,31,0.5,10,,a,pri NJ/15	pH<2
13	V30220913A13	BLNK	
14	V30220913A14	BLNK	
15	V30220913A15	I2246929-01,31,10,10,,a 8260 RF BLNK	pH>2
16	V30220913A16	I2246929-02,31,10,10,,a 8260 RF BLNK	pH>2
17	V30220913A17	I2246929-03,31,10,10,,a 8260 RF BLNK	pH>2
18	V30220913A18	I2246929-04,31,10,10,,a 8260 RF BLNK	pH>2
19	V30220913A19	I2246929-05,31,10,10,,a 8260 RF BLNK	pH>2
20	V30220913A20	I2246929-06,31,10,10,,a 8260 RF BLNK	pH>2
21	V30220913A21	I2246929-07,31,10,10,,a 8260 RF BLNK	pH>2
22	V30220913A22	I2249137-02d,31,0.1,10,,a,pri NJ/15	pH<2
23	V30220913A23	I2247940-04,31,10,10,,a NJ/15	pH<2
24	V30220913A24	I2247940-01d,31,4.0,10,,c NJ/15	pH<2
25	V30220913A25	I2247722-02d,31,2.0,10,,b,pri NY/PCE	COMP pH<2
26	V30220913A26	I2247787-19d,31,0.4,10,,a PA 8260	pH<2
27	V30220913A27	I2249137-03DUP,31,0.5,10,,a,pri NJ QC	pH<2
28	V30220913A28	I2248605-03MS,31,10,10,,c2 NYTCL	pH<2
29	V30220913A29	I2248605-03MSD,31,10,10,,c1 NYTCL	pH<2
30	V30220913A30	I2249137-03MS,31,0.5,10,,a,pri NJ QC	pH<2
31	V30220913A31	HSTD	
32	V30220913A32	BLK	
33	V30220913A33	BLK	

APPENDIX C

IC/EC 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.	C203079	
Site Name Parkchester Crossing		
Site Address: 1590 White Plains Road		Zip Code: 10462
City/Town: Bronx		
County: Bronx		
Site Acreage: 1.493		
Reporting Period: April 23, 2022 to April 23, 2023		
		YES NO
1. Is the information above correct?		☒ ☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		☐ ☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		☐ ☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		☐ ☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		☐ ☒

Box 2	
	YES NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒ ☐
7. Are all ICs in place and functioning as designed?	☒ ☐

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

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

 _____ Signature of Owner, Remedial Party or Designated Representative	4/20/2023 _____ Date

		Box 2A	
		YES	NO
8.	Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.			
9.	Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.			
SITE NO. C203079		Box 3	
Description of Institutional Controls			

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3952-1	ZP Realty LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan
1. Requires the remedial party or site owner to complete and submit to the periodic certification of institutional and engineering controls in (3);		Department a accordance with Part 375-1.8 (h)
2. Allows the use and development of the controlled property for restricted as defined by Part 375-1.8(g), although land use is subject to local zoning laws;		residential use
3. Restricts the use of groundwater as a source of potable or process water, without water quality treatment as determined by the NYSDOH or NYCDOH;		necessary and
4. Requires compliance with the Department approved Site Management Plan.		
3952-17	ZP Realty LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan
1. Requires the remedial party or site owner to complete and submit to the periodic certification of institutional and engineering controls in (3);		Department a accordance with Part 375-1.8 (h)
2. Allows the use and development of the controlled property for restricted as defined by Part 375-1.8(g), although land use is subject to local zoning laws;		residential use
3. Restricts the use of groundwater as a source of potable or process water, without water quality treatment as determined by the NYSDOH or NYCDOH;		necessary and
4. Requires compliance with the Department approved Site Management Plan.		
3952-23	ZP Realty LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan
1. Requires the remedial party or site owner to complete and submit to the periodic certification of institutional and engineering controls in (3);		Department a accordance with Part 375-1.8 (h)
2. Allows the use and development of the controlled property for restricted as defined by Part 375-1.8(g), although land use is subject to local zoning laws;		residential use
3. Restricts the use of groundwater as a source of potable or process water, without water quality treatment as determined by the NYSDOH or NYCDOH;		necessary and
4. Requires compliance with the Department approved Site Management Plan.		
		Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

1. Requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h) (3);

2. Allows the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

3. Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH; and

4. Requires compliance with the Department approved Site Management Plan.

3952-7 ZP Realty LLC

Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

1. Requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h) (3);

2. Allows the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

3. Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH; and

4. Requires compliance with the Department approved Site Management Plan.

3952-8 ZP Realty LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

1. Requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h) (3);
2. Allows the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
3. Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH; and
4. Requires compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
3952-1	Groundwater Treatment System Cover System Fencing/Access Control Monitoring Wells 1. A cover system to allow for restricted residential use of the site. 2. In-situ chemical oxidation or other in-situ technologies to treat volatile contaminants in groundwater.
3952-17	Groundwater Treatment System Cover System Fencing/Access Control 1. A cover system to allow for restricted residential use of the site. 2. In-situ chemical oxidation or other in-situ technologies to treat volatile contaminants in groundwater.
3952-23	Groundwater Treatment System Cover System Fencing/Access Control Groundwater Treatment System Cover System Fencing/Access Control Groundwater Treatment System Cover System Fencing/Access Control 1. A cover system to allow for restricted residential use of the site. 2. In-situ chemical oxidation or other in-situ technologies to treat volatile contaminants in groundwater.
3952-7	Groundwater Treatment System Cover System Fencing/Access Control Monitoring Wells 1. A cover system to allow for restricted residential use of the site. 2. In-situ chemical oxidation or other in-situ technologies to treat volatile contaminants in groundwater.
3952-8	Groundwater Treatment System Cover System Fencing/Access Control Groundwater Treatment System

Parcel

Engineering Control

Cover System

Fencing/Access Control

1. A cover system to allow for restricted residential use of the site.
2. In-situ chemical oxidation or other in-situ technologies to treat volatile contaminants in groundwater.

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 complete.

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

4/20/2023

Date

IC CERTIFICATIONS
SITE NO. C203079

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 Scott Wiener at One Penn Plaza
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

[Signature]
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

4/20/23
Date

EC CERTIFICATIONS

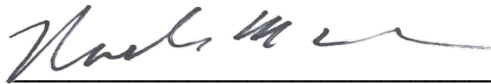
Box 7

Qualified Environmental Professional Signature

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

I Noelle Clark, P.E. at 209 Shafter Street, Islandia, NY 11749,
print name print business address

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



Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification



Stamp
(Required for PE)

5/15/2023

Date

APPENDIX D

Site Inspection Checklist and Photo Log



Photograph 1: Site Cover in place and comprised of soil cover consisting of a minimum of two feet of clean imported fill placed over a demarcation layer, with the upper six inches consisting of gravel.



Photograph 2: General Site Conditions. Site cover system observed to be in good condition.



Photograph 3: General Site Conditions. Site cover system observed to be in good condition.



Photograph 4: General Site Conditions. Site cover system observed to be in good condition.

Site Inspection Checklist, 1590 White Plains Road, Parkchester, Bronx, NY

Date: Friday, March 3, 2023

Completed By: _____

Description	Status			Actions Taken / Comments
	Ok	Action Req.	N/A	
<u>Site Cover System</u> 1 Inspect site cover system for cracks and leaks.	ü			Site cover system observed to be in good condition
<u>Institutional Controls</u> 1 Confirm that the site usage is in compliance with the institutional controls.	ü			Site is currently not occupied. Institutional controls within compliance.
<u>Site Records</u> 1 Inspect site records and confirm that they are up to date (e.g., Site Inspection Checklists, sampling logs, etc.) 2 Inspect integrity of Cover System	ü			
	ü			Site cover system observed to be in good condition

Volatile Organic Compounds in Groundwater
(Pre- and Post-ISCO)

RMW-9R	9/30/2019	11/5/2019	9/3/2020	12/3/2020	4/1/2021	4/1/2021 DUP	6/3/2021	09/02/2021	12/02/2021	03/03/2022	03/03/2022 DUP	09/08/2022
VOCs												
Benzene	ND	ND	9.7	1.7	1.6	1.4	NE	ND	59	3.8	3.7	5.1
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND
O-Xylene (1,2-Dimethylbenzene)	ND	ND	ND	ND	ND	ND	ND	ND	12	NE	NE	NE
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	8.2	ND	ND	ND
Tert-Butyl Methyl Ether	20	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	24	NE	NE	5.5 J

RMW-13	9/30/2019	9/30/2019 DUP	11/5/2019	9/3/2020	12/3/2020	4/1/2021	6/3/2021	09/02/2021	12/02/2021	03/03/2022
VOCs										
Bromomethane	ND	ND	5.9	NE	NE	ND	ND	ND	ND	ND

RMW-7	11/20/2018	7/16/2019	9/30/2019	11/5/2019	9/3/2020	12/3/2020	4/1/2021	6/3/2021	09/02/2021	09/02/2021 DUP	12/02/2021	12/02/2021 DUP	03/03/2022
VOCs													
1,2,4-Trimethylbenzene	18	ND	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	110	NE	34	27	5.1	2.2	ND	2.6	ND	NE	3.2	4.2	ND
Ethylbenzene	97 JV	ND	NE	7.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	19	ND	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	50 JV	ND	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND
O-Xylene (1,2-Dimethylbenzene)	93	ND	9.7	12	NE	NE	ND	ND	ND	ND	NE	NE	ND
Toluene	18	ND	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	39	ND	28	NE	ND	NE	ND	NE	ND	ND	ND	ND	ND
Xylenes, Total	140 JV	ND	11 J	20	NE	NE	ND	NE	ND	ND	NE	NE	ND

RMW-12/R	11/9/2018	9/30/2019	11/5/2019	9/3/2020	9/3/2020 DUP	12/3/2020	12/3/2020 DUP	4/1/2021	6/3/2021	09/02/2021	12/02/2021	03/03/2022
VOCs												
1,2-Dichloroethane	0.86 J	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND
Benzene	ND	ND	ND	ND	ND	1.2	1.4	ND	NE	NS	ND	ND
Tetrachloroethylene (PCE)	130	12	NE	NE	NE	NE	NE	NE	NE	NS	ND	NE

RMW-11/R	11/13/2018	9/30/2019	11/5/2019	9/3/2020	12/3/2020	4/1/2021	6/3/2021	09/02/2021	12/02/2021	03/03/2022	09/08/2022
VOCs											
Cis-1,2-Dichloroethylene	6.9	19	48	120	39	17	27	20	21	16	64
Dichloroethylenes	NA	19	48	120 J	41 J	18 J	29 J	22 J	25	20	75
Tetrachloroethylene (PCE)	330	140	180	79	83	64	20	43	41	38	
Trichloroethylene (TCE)	12	9.1	15	26	22	15	20	7.9	23	21	25
Trans-1,2-Dichloroethene	ND	ND	ND	NE	NE	NE	NE	NE	NE	NE	11
Vinyl Chloride	NE	ND	NE	15	7.7	3	4.8	4.9	5	2.6	11

RMW-14	9/30/2019	11/5/2019	11/5/2019 DUP	9/3/2020	12/3/2020	4/1/2021	6/3/2021	6/3/2021 DUP	09/02/2021	12/02/2021	03/03/2022
VOCs											
Tetrachloroethylene (PCE)	9	12	12	9	6.9	7.9	6.2	6.3	5.2	NE	NE

RMW-5	11/20/2018	11/20/2018 DUP	9/30/2019	11/5/2019	9/3/2020	12/3/2020	4/1/2021	6/3/2021	09/02/2021	12/02/2021	03/03/2022	09/08/2022	09/08/2022 DUP
VOCs													
Cis-1,2-Dichloroethylene	ND	ND	NE	6.5	NE	NE	ND	ND	ND	NE	ND	ND	ND
Chloroform	NE	NE	NE	ND	ND	ND	ND	ND	ND	12	ND	12	ND
Tetrachloroethylene (PCE)	100	95	16	77	14	16	NE	NE	NE	13	32	NE	NE

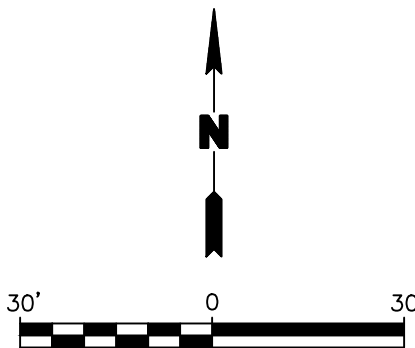
LEGEND		
	SITE BOUNDARY	
	RMW-8 LOCATION AND DESIGNATION OF PERMANENT MONITORING WELL AND SOIL BORING	
	RMW-9R LOCATION AND DESIGNATION OF POST-REMEDIAL MONITORING WELL	
	RMW-1 LOCATION AND DESIGNATION OF TEMPORARY MONITORING WELL AND SOIL BORING	
	TAX LOT BOUNDARY	
	TAX LOT NUMBER	
	CATCH BASIN	
	AOC AREA OF CONCERN	
	AST ABOVEGROUND STORAGE TANK	
	UST UNDERGROUND STORAGE TANK	
	AREA OF CONCERN BASED ON REMEDIAL INVESTIGATION RESULTS	
	LIMITS OF EXCAVATION TO APPROXIMATELY 5 FEET BELOW GRADE SURFACE	
	LIMITS OF EXCAVATION TO APPROXIMATELY 23-24 FEET BELOW GRADE SURFACE	
	LIMITS OF IN SITU GROUNDWATER REMEDIATION	
	SLOPED EXCAVATION	
	(41.93) GROUNDWATER ELEVATION, IN FEET ABOVE MEAN SEA LEVEL	
	42 LINE OF EQUAL GROUNDWATER ELEVATION, IN FEET ABOVE MEAN SEA LEVEL (DASHED WHERE INFERRED)	
	GROUNDWATER FLOW DIRECTION	

TYPICAL DATA BOX INFORMATION		
SAMPLE ID#	RMW-11/R	11/13/2018
ANALYTES	VOCs	
	Cis-1,2-Dichloroethylene	6.9
	Dichloroethylenes	NA
	Tetrachloroethylene (PCE)	330
	Trichloroethylene (TCE)	12
	Vinyl Chloride	NE

Parameter	Standards* (µg/L)
VOCs	
1,2,4-Trimethylbenzene	5
Benzene	1
Bromomethane	5
Cis-1,2-Dichloroethylene	5
Chloroform	7
Dichloroethylenes	5
1,2-Dichloroethane	0.6
Ethylbenzene	5
Isopropylbenzene (Cumene)	5
Tert-Butyl Methyl Ether	10
Naphthalene	10
O-Xylene (1,2-Dimethylbenzene)	5
Toluene	5
m,p-Xylene	5
Tetrachloroethylene (PCE)	5
Trichloroethylene (TCE)	5
Trans-1,2-Dichloroethene	5
Vinyl Chloride	2
Xylenes, Total	5

Concentrations in µg/L
µg/L - Micrograms per liter
* - NYSDEC AWQSGVs
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
DUP - Duplicate Sample
VOCs - Volatile Organic Compounds
NE - No exceedances of NYSDEC AWQSGV
ND - No detection
NA - Not analyzed for by laboratory

- NOTES
- PRE-REMEDIAL GROUNDWATER DATA FROM PREVIOUS INVESTIGATIONS IS SHOWN, WHERE AVAILABLE, IN ADDITION TO BASELINE DATA COLLECTED ON SEPTEMBER 30, 2019.
 - POST-REMEDIAL GROUNDWATER DATA WAS COLLECTED ON NOVEMBER 5, 2019, SEPTEMBER 3, 2020, AND DECEMBER 3, 2020.
 - ISCO INJECTIONS STARTED ON OCTOBER 2, 2019 AND WERE COMPLETED ON OCTOBER 17, 2019.



Title:

**VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER
(PRE- AND POST-ISCO)**

1590 WHITE PLAINS ROAD, BRONX, NEW YORK

Prepared for:

ZP REALTY, LLC

ROUX

Compiled by: D.K.

Date: 5/15/2023

Prepared by: B.H.C.

Scale: AS SHOWN

Project Mgr: R.H.

Project: 2530.0001Y000

File: 2530.0001Y149.01.DWG

PLATE

1

V:\CADD\PROJECTS\2530\2530\149\2530.0001Y149.01.DWG B200