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Periodic Review Report

Former ANSCO Camera Factory
BCP Site No. C704059
16 Emma Street, Binghamton, New York

Prepared for:
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225 Wilkinson Street
Syracuse, New York 13204

May 2025

C&S Project No. U35.003.011

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EXECUTIVE SUMMARY

C&S Engineers has completed annual site monitoring activities required by the December 2019 Site Management Plan (SMP) for the Former ANSCO Camera Factory (Site) located at 16 Emma Street in the City of Binghamton, Broome County, New York.

Findings of the annual site monitoring activities are noted in detail within this Report. The following conclusions are provided regarding the results of the site monitoring activities:

- The Site has not been utilized for a higher level of use (such as unrestricted or residential), groundwater is not being utilized, no buildings or construction activities have occurred, and vegetable gardens / farming are not being conducted at the Site, all of which are consistent with the requirements in the SMP.

- Very minor cover system deficiencies were noted during the October 2024 site inspection. The issues were related to thinning grass / bare soil at various locations across the Site and an area of damaged pavement on the eastern extent of the Site. The pavement and thinning grass were subsequently addressed by the owner and are documented in the Photo Log provided as **Appendix C**.

- Consistent with the SMP, four of the eight groundwater monitoring wells were sampled / tested in October 2024. The 2021 and some of the 2022 sampling data indicated CVOC concentrations higher than those observed during the RI. This is suspected to be a result of changes to the types / locations of the site cover elements and the installation of a modern stormwater system that was designed to direct stormwater into the subsurface. A portion of the 2022 sampling data, and the entirety of the 2023 data showed downward trends in CVOC concentrations. The 2024 data shows continued downward trends in CVOC concentrations. The results from the October 2024 sampling event indicate that the only exceedances of CVOCs were at MW-3, and the contaminant concentrations only marginally exceeded their respective TOGS standards of 5 µg/L. This included a cis-1,2-dichloroethene concentration of 5.6 µg/L and a tetrachloroethene concentration of 11 µg/L. The highest combined CVOC mass was 3,583.9 µg/L in August 2020. The total CVOC mass in October 2024 was 41.74 µg/L, a reduction of 99%.

- The annex SSDS and garage mechanical ventilation system continue to function as designed / installed.

COMPLIANCE

As indicated above, there were no areas of non-compliance observed that require further corrective measures.

RECOMMENDATIONS

Relative to institutional controls and engineering controls for the Site, no changes are recommended.

It is recommended that annual groundwater monitoring / testing continue to confirm the continued downward trend in CVOC concentrations. However, we kindly request that the Department consider changing the frequency of the PRR from annually to every three years.

1.0 INTRODUCTION

1.1 Scope and Purpose

This Periodic Review Report was completed consistent with the December 2019 Brownfield Cleanup Program (BCP) Decision Document (DD). The purpose of the annual site monitoring activities and preparation of the Periodic Review Report (PRR) are to comply with New York State Department of Environmental Conservation (NYSDEC) requirements described within the December 2019 Site Management Plan (SMP) for the Former ANSCO Camera Factory (Site), identified as NYSDEC Site No. C704059.

2.0 SITE AND AREA DESCRIPTION

2.1 Property Information

The Site is located at 16 Emma Street in the City of Binghamton, Broome County, New York and is identified as tax parcel 143.75-1-16 on the City of Binghamton Tax Map. **Figure 1** and **Figure 2** are attached showing the location and features of the Site. The Site is an approximately 4.25-acre area and is bounded by an active railroad to the north and is split by Emma Street. The owner of the Site is Freewheelin ANSCO, LLC.

2.2 Historical Site Use

The Site was originally developed in 1927/28. Since that time, the Site has been utilized by the following:

West of Emma Street
In 1918, Achilles Rubber & Tire Company occupied a building along the western boundary of the parcel. The building was later occupied by AGFA-ANSCO. Between 1940 and 1970, the AGFA-ANSCO Division of General Analine and Film Corporation occupied buildings along the western boundary of the site and on the Site east of Emma Street.

Currently, the portion of the Site west of Emma Street is an asphalt parking lot for tenants.

East of Emma Street
From 1927/28 to 1940, the Site was occupied by the General Cigar factory. From 1940 to 1970, the Site was occupied by ANSCO Camera Factory. Recent occupants include: Wilson Instruments (left in 2018), Glowa Manufacturing (present occupant), E&M Power (present occupant), Chamonix Industries, BC Reprographics, K&S Industries, Simcona Electronics, and Crysta Lyn Chemical Company (present occupants).

One large structure is located on the Site. The building is an active four-story commercial / residential building that is approximately 140,000 square feet in size (including a basement). The

building was constructed in 1927-28, with an addition in 1950 (the "annex"). The building has approximately 30,000 square feet being occupied by three commercial tenants. The remainder of the building is occupied by residential apartments. The land surrounding the building is covered by paved parking and landscaped areas.

2.3 Summary of Environmental Investigations

2015 – Phase I Environmental Site Assessment

Jennings Environmental Management performed a Phase I Environmental Site Assessment (Phase I ESA) of the Site. The Phase I ESA identified the following:

1) The Subject Property operated as a manufacturing facility since at least 1940. Wastes generated included chlorinated solvents and a spill in 1990 of 1,000 gallons of a white milky substance that included chlorinated solvents. That spill was reported to have impacted groundwater.
2) Observations of surficial releases of hazardous materials to the floor and floor drains. Pools of liquids, corrosion, and staining were noted throughout the plating area.
3) A spill in 1994 included the release of 500 gallons of number 4 fuel oil near the boiler house. 450 gallons were recovered.
4) Gasoline service stations and dry cleaning facilities were present on adjoining properties since at least 1950.

November 2017 – C&S Limited Site Characterization

C&S conducted a limited site characterization to assess contaminant concentrations at the Site. The characterization program consisted of the advancement of 10 soil borings. The program also consisted of sampling and analysis of six subsurface soil samples and nine surface soil samples. Each soil sample was analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs) and metals.

The historic fill material (HFM) at the Site was found to contain concentrations of certain SVOCs and metals above the Commercial and Industrial Use soil cleanup objectives (SCOs) and VOCs above Restricted Residential and Commercial Use SCOs on the northeast portion of the Site. Apparent petroleum impacts (staining and odors) were noted at the location of a former no. 4 fuel oil underground storage tank (UST) on the northern portion of the Site. The underlying native soils were characterized as fine, medium, and coarse sand with silt and abundant rock.

August 2019 – C&S BCP Remedial Investigation

The Remedial Investigation (RI) was conducted to assess the nature and extent of contamination at the Site and consisted of:

- A buried utilities evaluation
- The collection and analysis of 12 surface soil samples
- The advancement of 72 soil borings and collection and analysis of 89 subsurface soil

samples,
- The excavation of two test pits
- The installation of eight groundwater monitoring wells and performance of two rounds of groundwater sampling
- The collection of sub-slab, indoor air, and outdoor air vapor samples
- The collection of quality assurance / quality control (QA / QC) samples
- The collection of waste characterization samples

Soil and groundwater samples were analyzed for a combination of VOCs, SVOCs, pesticides, herbicides, PCBs, metals, and per- and polyfluoroalkyl substances (PFAS). Vapor samples were analyzed for VOCs.

Contaminant concentrations exceeding the Restricted Residential Use SCOs were identified and, generally, the contamination is associated with HFM at the Site. Constituents in the HFM at concentrations that exceed the Restricted Residential Use SCOs generally include SVOCs and metals. In addition, chlorinated volatile organic compound (CVOC) impacts (principally Trichloroethene [TCE]) were identified. The following bullets summarize the results of the RI:

- SVOCs and metals were identified at concentrations greater than Restricted Residential Use SCOs across the Site in surface and subsurface soils that contained HFM.

- CVOCs and metals were identified at concentrations greater than Restricted Residential Use SCOs in subsurface soils beneath the eastern portion of the basement. CVOC concentrations slightly exceeded the Restricted Residential Use SCOs.

- SVOCs were identified in subsurface soils in the vicinity of a former no. 4 fuel oil UST at concentrations that slightly exceeded Restricted Residential Use SCOs.

- TCE was identified in the subsurface soils on the northeast portion of the Site at concentrations that marginally to significantly exceeded Restricted Residential Use SCOs. The most elevated concentration was at soil boring RI-SB-17. The TCE concentrations decrease with distance from the boring, as well as with depth. The TCE impacts are believed to be attributed to contaminated HFM and / or the result of intermittent / isolated releases or spills that could be attributed to improper storage or disposal practices in that area.

- CVOCs were identified in the Site groundwater at concentrations that exceed water quality standards. Groundwater may have been impacted by intermittent / isolated releases or spills that could be attributed to improper storage or disposal practices.

- TCE was identified in sub-slab and indoor air samples collected from the annex portion of the building (1950 slab on grade addition). The concentrations exceed New York State Department of Health (NYSDOH) Air Guideline Values (AGVs).

3.0 SELECTED REMEDY

Remedial alternatives for the Site were evaluated within a September 2019 Alternative Analysis Report (AAR). Additional detailed information on the selected / preferred remedial alternative can be found within the DD.

3.1 Summary of Selected Remedy

As excerpted from the DD, elements of the selected remedy for the Site include:

1. A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31.

2. Excavation – All soils which exceed the restricted residential SCOs and cannot be beneficially reused beneath the cover system described in remedy element 4 will be taken off-site for proper disposal in order to implement the remedy.

3. Backfill – On-site soil may be used below the cover system described in remedy element 4 to establish the designed grades at the site. If additional backfill is needed to establish design grades, clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the site. Portions of the site will be re-graded to accommodate installation of a cover system.

4. Cover System – A site cover will be required to allow for restricted residential use of the site in areas where the upper two feet of exposed surface soil will exceed the restricted residential SCOs. Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative cover. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

5. Vapor Mitigation – Any on-site buildings will be required to have a sub-slab depressurization system, or a similarly engineered system, to prevent the migration of vapors into the building from contaminated soil and groundwater.

6. Institutional Controls – Imposition of an institutional control in the form of an environmental easement or the controlled property which will:

a. require the remedial party or site owner to complete and submit to the Department a
b. periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
c. allow 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;
d. restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
e. require compliance with the Department approved Site Management Plan

7. Site Management Plan - A Site Management Plan is required, which includes the following:

    a. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

    Institutional Controls: The Environmental Easement discussed in Paragraph above.

    Engineering Controls: The Cover System discussed in Paragraph 4 and the Vapor Mitigation discussed in Paragraph 5 above.

    This plan includes, but may not be limited to:

    - an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
    - descriptions of the provisions of the environmental easement including any land use and groundwater use restrictions;
    - a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 2 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs)
    - provisions for the management and inspection of the identified engineering controls;
    - maintaining site access controls and Department notification; and
    - the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

    b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
        - monitoring of groundwater to assess the performance and effectiveness of the remedy; and

- a schedule of monitoring and frequency of submittals to the Department.

c. An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:
   - procedures for operating and maintaining the remedy;
   - compliance monitoring of treatment systems to ensure proper O&M as well as providing the data for any necessary permit or permit equivalent reporting;
   - maintaining site access controls and Department notification; and
   - providing the Department access to the site and O&M records.

The following provides a further summary of the ICs / ECs for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by the SMP:

Institutional Controls:	1. The Site may be used for Restricted-Residential, Commercial, and Industrial use.
	2. All ECs must be operated / maintained and inspected at a frequency in a manner specified in the SMP.
	3. The use of groundwater underlying the Site is prohibited without necessary water quality treatment as determined by the NYSDOH or the Broome County Health Department 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.
	4. Groundwater and other environmental or public health monitoring must be performed as defined in the SMP.
	5. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP.
	6. All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP.
	7. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP.

Institutional Controls:	8. 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.
	9. The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries**,** and any potential impacts that are identified must be monitored or mitigated.
	10. Vegetable gardens and farming on the site are prohibited.
Engineering Controls:	1. Cover System: A site cover has been installed over the Site in all areas exceeding applicable SCOs. The cover consists of two feet of clean soil in grassed areas and a hardscape (asphalt pavement, concrete sidewalks, and concrete floor slab) cover.
	2. SSDS and Garage Ventilation System. These active systems have been installed to mitigate vapor intrusion.

Inspections:	**Frequency:**
1. Cover inspection	Annually
2. SSDS	Monthly / Annually
3. Garage Ventilation System	Monthly / Annually
Monitoring:	
1. Groundwater Monitoring Wells	Annually
2. Air Sampling	Annually (ceased per letter dated 6-6-21)
Maintenance:	
1. Cover System	As needed
2. SSDS and Garage Ventilation System maintenance	As needed
Reporting:	
1. Groundwater Monitoring Report	Annually
2. Periodic Review Report	Annually

4.0 SUMMARY OF REMEDIAL EFFORTS

A Remedial Work Plan (RWP) was prepared to provide detail on the approach for Site remediation that aligned with the AAR and DD. Site remediation included the following elements:

- A cover system was installed to prevent direct contact with contaminated soils remaining at the Site. The cover system is composed of two feet of clean soil or asphalt and concrete pavement and sidewalk, and the building. A black geotextile fabric was utilized as a demarcation layer beneath the soil and pavement. The cover system was installed concurrent with general site work, during the approximate timeframe of Spring 2019 to Fall 2019.

- A vapor mitigation system, comprised of a sub-slab depressurization system (SSDS) in the annex portion of the building and a mechanical ventilation system for the basement parking garage, was installed to mitigate soil vapor intrusion concerns. The vapor mitigation systems were installed and commissioned in the Fall of 2019.

Following remedial efforts, contaminated HFM remains across the majority of the 4.25-acre Site. The HFM extends from the bottom of the cover system to typical average maximum depths of three to five feet below ground surface (bgs). The fill is principally impacted by SVOCs and metals and the remaining contaminants and concentrations are typical of highly developed areas and are heterogeneous within the fill. The native soil underlying the HFM does not contain contaminants at concentrations that exceed unrestricted use SCOs.

Prior to installation of the cover system, contaminated soils were excavated as part of:

- West of Emma Street Interim Remedial Measure (IRM) – This included the excavation of soil impacted by metals on the central portion of the parcel. A total of 291 tons of contaminated soil was removed for offsite disposal. The IRM was performed in May 2019.

- East of Emma Street IRM – This included the excavation of soil impacted by TCE on the northeast portion of the parcel. A total of approximately 226 tons of contaminated soil was removed for offsite disposal. The IRM was performed from April to June 2019.

- General Earth Work – Existing surfaces and grades were adjusted (excavated or filled) to accommodate a minimum of two feet of soil cover system to meet proposed final grades. In these areas, the upper two feet consists of clean soil and the soil below the demarcation layer may contain contaminants at concentrations that exceed Restricted Residential SCOs. Some HFM which needed to be excavated to accommodate the soil cover system was beneficially reused onsite by being placed below the demarcation layer and soil cover system or beneath the

hardscape cover system. HFM that could not be beneficially used below the cover system was transported off-site for proper disposal. A total of 2,900 tons of non-hazardous HFM / soil was removed from the Site and disposed of at the Broome County Landfill.

Groundwater on the 16 Emma Street parcel is contaminated with CVOCs. CVOC contamination is not present on the Site parcel on the west side of Emma Street. The highest TCE concentrations have been identified in MW-3 located near the southeast exterior corner of the building. Wells located away from the building and in proximity to developed areas beyond the Site boundaries only marginally exceed TOGS 1.1.1. The 16 Emma Street IRM was performed specifically to reduce CVOC concentrations in the Site groundwater. Onsite groundwater monitoring continues to occur in order to track groundwater contamination and determine the effectiveness of the instituted remedies.

As indicated above, residual subsurface and groundwater contamination remained after completion of the IRMs and other remedial measures. Engineering Controls (ECs) were incorporated into the Site remedy to provide proper management of this contamination to ensure protection of public health and the environment. A site-specific Environmental Easement has been recorded with the Broome County Clerk that provides an enforceable means to ensure the continued and proper management of residual contamination and protection of public health and the environment. It requires strict adherence to Institutional Controls (ICs) and ECs placed on this Site by NYSDEC by the grantor of the Environmental Easement and any and all successors and assigns of the grantor.

5.0 IC / EC COMPLIANCE

Site monitoring activities were conducted to review and identify if site controls are in compliance with the SMP. Freewheelin ANSCO, LLC indicated the following at the onset of site monitoring activities:

- The contact information on the form is correct.
- None of the Site has been sold, subdivided, merged or undergone a tax map amendment.
- There have been no changes to the use of the Site. It is being utilized for the site uses allowed by the DD.
- No federal, state, or local permits have been issued for the Site.
- The Site is not currently being redeveloped.

5.1 Institutional Controls

An Environmental Notice was filed with Broome County. The Environmental Notice contained Institutional Controls to ensure protection of public health and the environment for the current use of the Site.

Site restrictions that apply include:

- Land Use Restriction: The Site may only be utilized for restricted residential, commercial, or industrial uses.

- Groundwater Use Restriction: Use of groundwater beneath the site is prohibited without treatment as determined by Broome County Health Department or NYSDOH (subject to prior approval by NYSDEC).

- Site Management Plan: All future activities at the Site that disturb remaining contaminants must be conducted in accordance with the Site Management Plan.

- Monitoring Plan: Ongoing sampling and monitoring must comply with the SMP.

- O&M Plan: The O&M of ECs must comply with the O&M Plan.

- ICs / ECs must be followed consistent with the IC / EC Plan.

- Vapor intrusion must be evaluated for any buildings developed on the Site. Impacts that are identified must be monitored or mitigated.

- Vegetable gardens and farming are prohibited at the Site.

The site Owner/Remedial party must provide a written statement to the NYSDEC annually that

certifies controls implemented at the Site are unchanged, nothing has occurred that would impair the ability of the site controls to protect public health and the environment, or that constitutes a violation or failure to comply with the SMP. The certification is provided in the PRR forms, provided in **Appendix A.**

5.2 Engineering Controls

The following ECs must be maintained:

- Cover System
- Vapor Mitigation Systems, which includes a SSDS in the annex portion of the building, and the mechanical ventilation system in the basement parking garage.

The site Owner/Remedial party must provide a written statement to the NYSDEC annually that certifies controls implemented at the Site are unchanged, nothing has occurred that would impair the ability of the site controls to protect public health and the environment, or that constitutes a violation or failure to comply with the SMP. The certification is provided in the PRR forms, provided in **Appendix A.**

6.0 SITE INSPECTION

Site reconnaissance was performed on October 3, 2024. C&S conducted the site walkover to:

- Perform the annual site inspection, which included:
  - Review of monthly vapor mitigation system inspection forms completed by the Owner.
  - Inspection of visible portions of the vapor mitigation systems for obvious deficiencies, such as torn boots or broken elbows, clogged exhausts, damaged pipe penetrations, or other similar issues.
  - Confirmation that the vapor mitigation system blowers were operational and ensure the vacuum gauges are reading within the preferred tolerance.
  - Inspection of interior concrete flooring where the vapor mitigation systems are operational.
  - Inspection of the Site exterior cover system.
  - Inspection of the network of wells.

- Perform groundwater monitoring and sampling.

6.1 Review of Institutional Controls

The following observations, related to the Site's ICs were noted at the time of the site reconnaissance:

- The Site structure is currently being utilized as market rate apartments on the upper floors and commercial / industrial purposes on the first floor.
- No groundwater was observed being used at the Site. No potable or groundwater supply wells were observed.
- No building or construction projects were being constructed at the Site.
- No vegetable gardens or farming is being conducted at the Site.

6.2 Review of Engineering Controls

The following observations, related to the ECs were noted during the site reconnaissance:

- The vapor mitigation systems were in operation and no issues related to performance were indicated by the Owner. Inspection forms are completed on a monthly basis by the Owner. No physical evidence of damage to the system was observed (e.g. torn boots, broken elbows, obstructions). The annex SSDS sub-slab pressure was within the design tolerance, as shown on the gauges.

- The concrete floor of the annex and basement parking garage are intact with no obvious cracks or damage.

- The asphalt surfaces of the parking lots were in good condition with no evidence of cracks, settlement, or deterioration, except for an area of eroded pavement on the east extent of the parking lot. At the time of the inspection, the damage was covered with a sheet of plywood. The pavement was subsequently patched in the spring of 2025.

- At the time of the inspection, areas of thinning grass and bare soil were noted at various locations across the Site. In the spring of 2025, the areas were repaired by the Owner via manual means (shovels, rakes, hand seeded). No soil was imported for the repairs.

- The well network is generally intact. MW-8 is bent approximately 1 foot below ground surface (bgs). This damage does not restrict the sampling of MW-8 using a peristaltic pump; however, it may restrict sampling via other low-flow methods. At the time of the inspection, the riser cover on MW-5 was damaged, but was subsequently repaired in the spring of 2025.

A copy of the Site Inspection Checklist is provided in **Appendix B**. A Photo Log is provided in **Appendix C.** This includes a photo log of conditions in the fall of 2024, as well as a log provided by the owner that depicts repairs.

7.0 MONITORING AND SAMPLING

Monitoring and sampling were performed consistent with the Monitoring and Sampling Plan provided in Section 4 of the SMP. The Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. The Plan may only be revised with the approval of the NYSDEC. Details regarding the sampling procedures, data quality usability objectives, analytical methods, etc. for all samples collected as part of site management are included in the Quality Assurance Project Plan (QAPP).

The Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.

To adequately address these issues, the Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Groundwater sampling was performed in October 2024 consistent with the Monitoring and Sampling Plan.

7.1 Groundwater Monitoring Requirements

Groundwater monitoring / sampling activities are required annually, with the first sampling event occurring within eight months of the Certificate of Completion (COC). After the completion of two events, it will be determined if additional sampling is needed. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

The existing groundwater monitoring well network consists of eight onsite monitoring wells (MW-1 through MW-8). Sampling locations, required analytical parameters, and schedule are provided in **Table 6-1** below.

Table 6-1
Post Remediation Groundwater Sampling Requirements and Schedule

Sampling Locations	Analytical Parameters	Schedule
	TCL VOCs (EPA Method 8260)	
Groundwater Monitoring Wells 1, 3, 7, 8	X	Annually

7.2 Groundwater Sampling Methods and Results

Groundwater sampling was conducted using low-flow purging and sampling techniques. Calibration, purging and sampling procedures were performed as specified by the USEPA for low-flow sampling. Decontamination was conducted after each well was sampled to reduce the likelihood of cross contamination. Calibration times, purging volumes, water levels and field measurements were recorded on field logs and are provided in **Appendix D.** Laboratory Analytical Reports are provided in **Appendix E.**

Before purging the well, water levels were measured using an electronic water level indicator capable of measuring to 0.01-foot accuracy. Based on the water levels measured during the latest sampling, groundwater flow is variable, as shown on **Figure 3.** It should be noted that groundwater elevations were measured numerous times during and subsequent to the RI and those measurements revealed that flow direction varied with variations in weather and seasonal conditions. Flow directions to the south, southwest, northwest, northeast, and east have been recorded during past events.

The samples were analyzed for Target Compounds List (TCL) VOCs. The resultant data was compared to previous groundwater contaminant concentrations for evidence indicating overall stability or reduction of contaminant levels.

A Groundwater Data Summary is provided as **Table 1** in **Appendix E**. **Figure 4** shows the location of the wells and exceedances of NYSDC TOGS 1.1.1 Ambient Water Quality Standards. The following tables provide a snapshot of the VOC sampling data collected prior and subsequent to the remedy.

Table 6-2
Trichloroethene Results

Well No.	TOGS 1.1.1	Pre-Remediation		Post- Remediation				
		7/2018	11/2018	8/2020	9/2021	10/2022	10/2023	10/2024
MW-1	5	**62**	**82**	**700**	**230**	**300**	**7.6**	2.3
MW-3	5	**210**	**660**	**2,500**	**900**	**610**	**530**	2.1
MW-7	5	NS	**97**	**140**	**160**	**160**	**110**	2.3
MW-8	5	NS	**17**	**8.8**	**25**	2.6	**7.3**	3.8

TOGS Standard and data is presented in µg/mL
BOLD values indicate an exceedance of the Groundwater standard.
NS = Not Sampled. MW-7 and MW-8 were drilled after the July 2018 sampling.

Table 6-3
Tetrachloroethene Results

Well No.	TOGS 1.1.1	Pre-Remediation		Post-Remediation				
		7/2018	11/2018	8/2020	9/2021	10/2022	10/2023	10/2024
MW-1	5	**6**	**16**	**20**	**12**	**12**	**6.1**	4.6
MW-3	5	**8.2**	**14**	**33**	**23**	**16**	**25**	**11**
MW-7	5	NS	2.5	1.9	1.7	2.4	1.2	0.44
MW-8	5	NS	1	1.2	1.8	1.3	1.8	1.3

TOGS Standard and data is presented in µg/mL
BOLD values indicate an exceedance of the Groundwater standard.
NS = Not Sampled. MW-7 and MW-8 were drilled after the July 2018 sampling.

Table 6-4
1,1,1-Trichlorethene Results

Well No.	TOGS 1.1.1	Pre-Remediation		Post-Remediation				
		7/2018	11/2018	8/2020	9/2021	10/2022	10/2023	10/2024
MW-1	5	ND	1.4	**8**	1.9	2.2	1.2	0.9
MW-3	5	ND	3.5	**23**	ND	ND	4.4	2.3
MW-7	5	NS	ND	ND	ND	0.91	ND	ND
MW-8	5	NS	ND	ND	1.4	ND	ND	ND

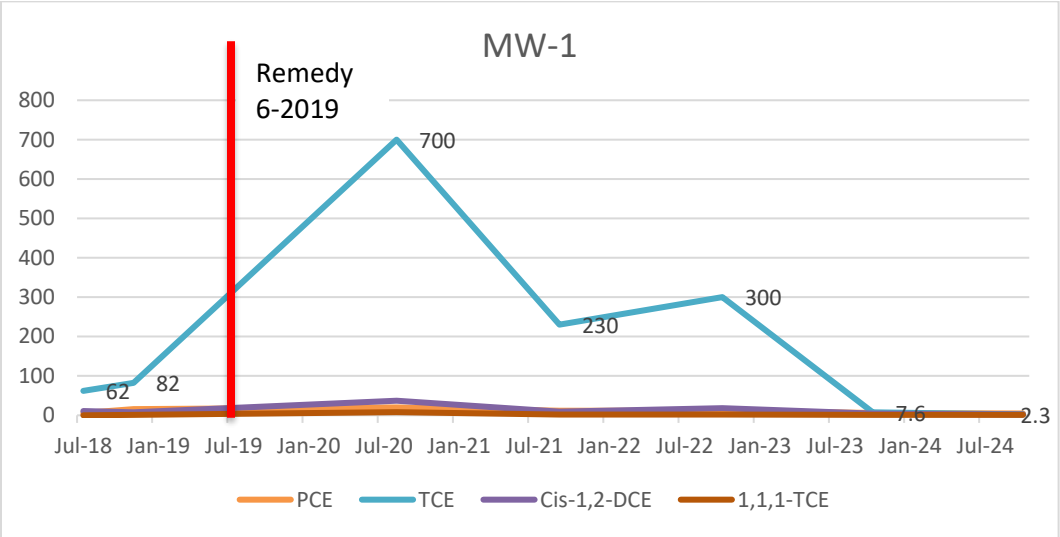
TOGS Standard and data is presented in µg/mL
BOLD values indicate an exceedance of the Groundwater standard.
NS = Not Sampled. MW-7 and MW-8 were drilled after the July 2018 sampling.
ND = Not Detected above laboratory detection limits.

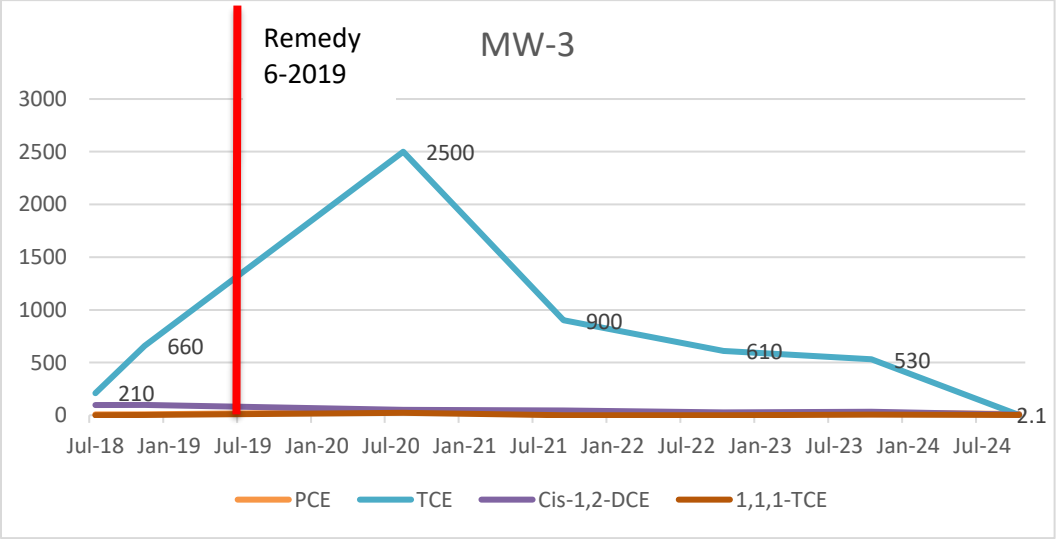
Table 6-5
Cis-1,2-Dichloroethene Results

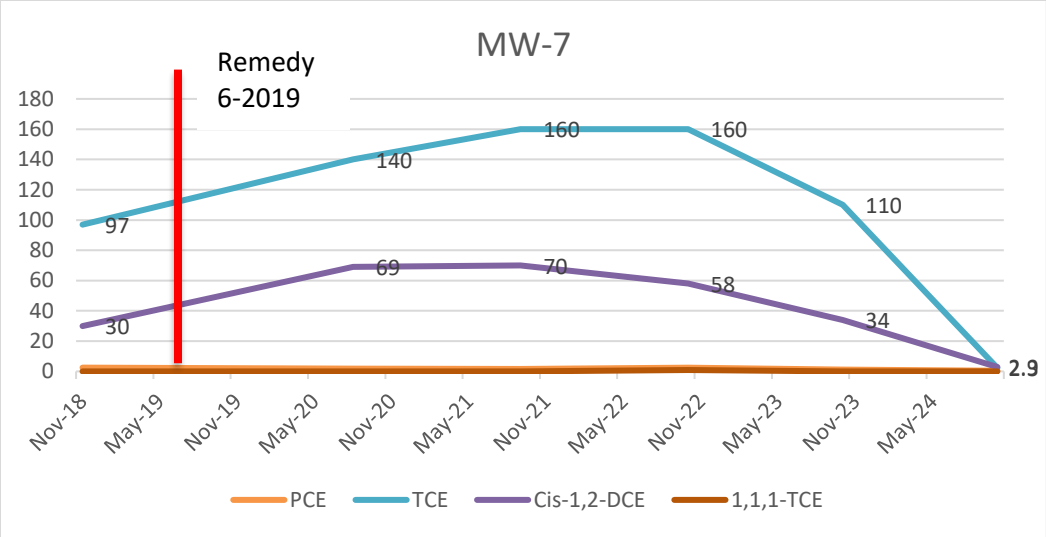
Well No.	TOGS 1.1.1	Pre-Remediation		Post-Remediation				
		7/2018	11/2018	8/2020	9/2021	10/2022	10/2023	10/2024
MW-1	5	**11**	**7.4**	**37**	**8.9**	**18**	4.2	2.2
MW-3	5	**97**	**98**	**52**	**45**	**28**	**34**	**5.6**
MW-7	5	NS	**30**	**69**	**70**	**58**	**34**	2.9
MW-8	5	NS	ND	ND	ND	ND	ND	ND

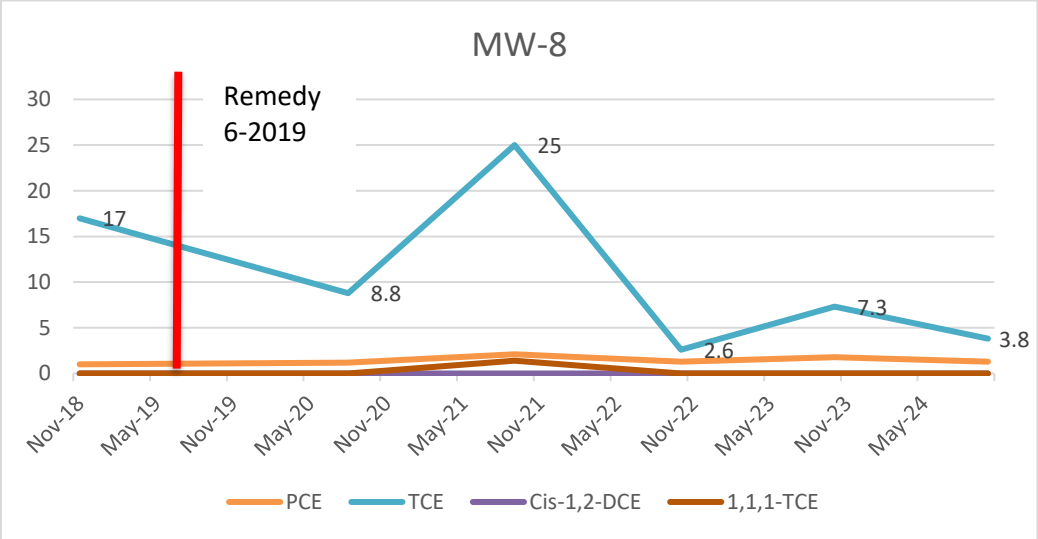
TOGS Standard and data is presented in µg/mL
BOLD values indicate an exceedance of the Groundwater standard.
NS = Not Sampled. MW-7 and MW-8 were drilled after the July 2018 sampling.
ND = Not Detected above laboratory detection limits.

The following graphs show CVOC concentrations over time.









7.3 Indoor Air Monitoring Requirements

Indoor air sampling is no longer required.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Compliance with Site Management Plan

The requirements of the Site Management Plan appear to be satisfied.

8.2 Performance and Effectiveness of the Remedy

The cover system is intact and continues to provide protection for human health and the environment, as designed.

The annex SSDS and garage mechanical ventilation system continue to function as designed / installed.

The 2021 and some of the 2022 sampling data indicated CVOC concentrations higher than those observed during the RI. This is suspected to be a result of changes to the types / locations of the site cover elements and the installation of a modern stormwater system that was designed to direct stormwater into the subsurface. A portion of the 2022 sampling data, and the entirety of the 2023 data showed downward trends in CVOC concentrations. The 2024 data shows continued downward trends in CVOC concentrations. The results from the October 2024 sampling event indicates that the only exceedances of CVOCs were at MW-3, and the contaminant concentrations only marginally exceeded their respective TOGS standards of 5 µg/L. This included a cis-1,2-dichloroethene concentration of 5.6 µg/L and a tetrachloroethene concentration of 11 µg/L. The highest combined CVOC mass was 3,583.9 µg/L in August 2020. The total CVOC mass in October 2024 was 41.74 µg/L, a reduction of 99%.

Continued annual groundwater monitoring is recommended to further determine the effectiveness of the remedy. A change in sampling frequency may be warranted if the 2025 data shows a continued downward trend of CVOC concentrations.

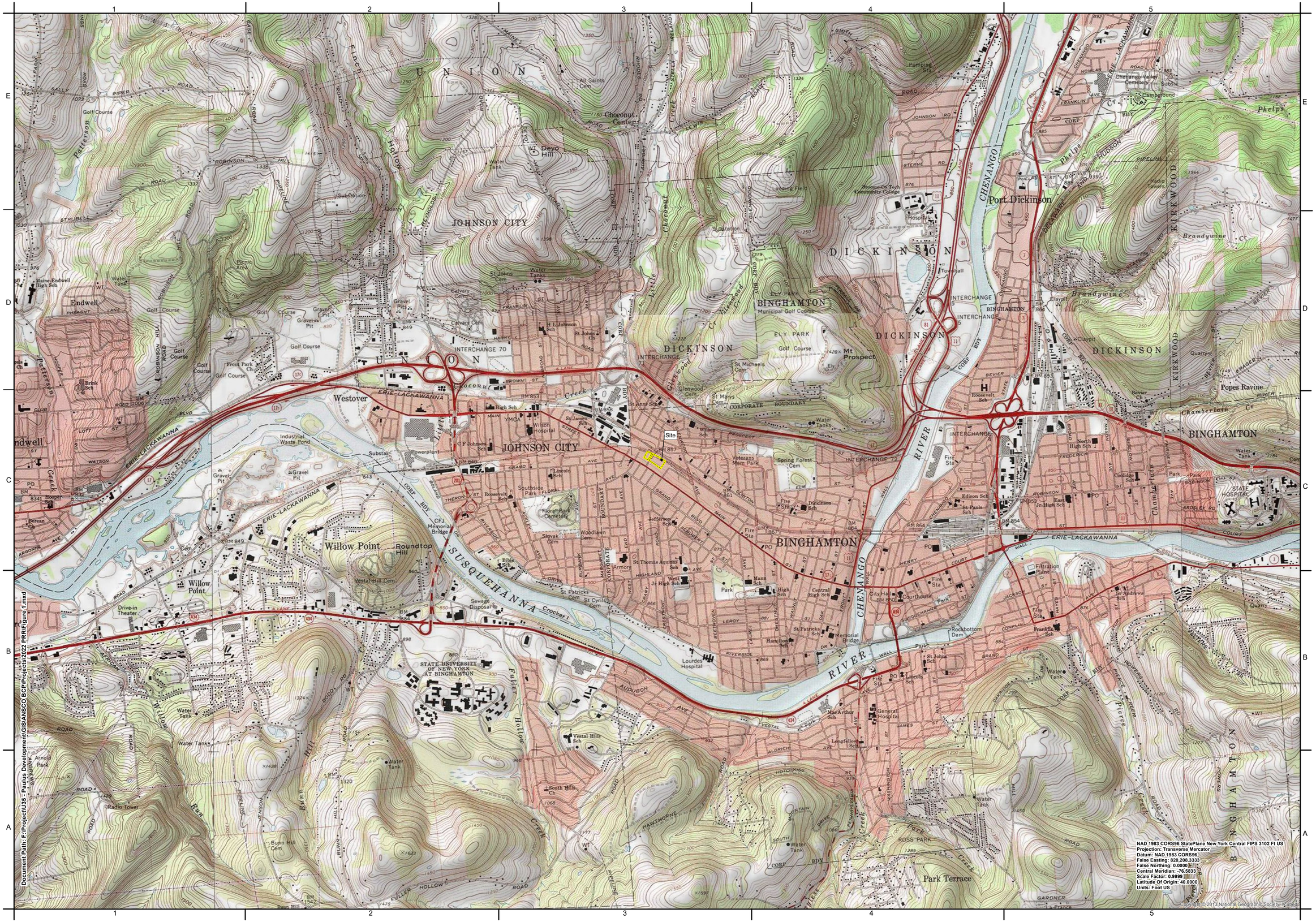
8.3 Future Monitoring, Sampling, and Submittals

Annual monitoring and sampling will continue as outlined in the SMP, with the data provided in future PRRs. However, we kindly request that the Department consider changing the frequency of the PRR from annually to every three years.

The next annual groundwater sampling event is tentatively scheduled for Fall 2025.

f:\project\u35 - paulus development\u35003011 - 2025 ansco prr\planning-study\reports\ansco bcp c704059 may 2025 prr_mlw 5-19-25.docx

Figures



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Syracuse, New York 13212
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Fax: 315-455-9667
www.cscos.com

N

0 750 1,500 3,000 Feet

1 inch = 1,500 feet

Former ANSCO Camera Factory
9 & 16 Emma Street
Binghamton, Broome County, New York

Brownfield Cleanup Program

PROJECT NO:	U35.003.008
DATE:	October 2021
SCALE:	AS SHOWN
DRAWN BY:	JTB
DESIGNED BY:	WNR
CHECKED BY:	MLW

Modified: 10/13/2021 @ 3:24:28 PM

SITE LOCATION

Figure 1

C&S COMPANIES®
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0 15 30 60 Feet
1 inch = 30 feet

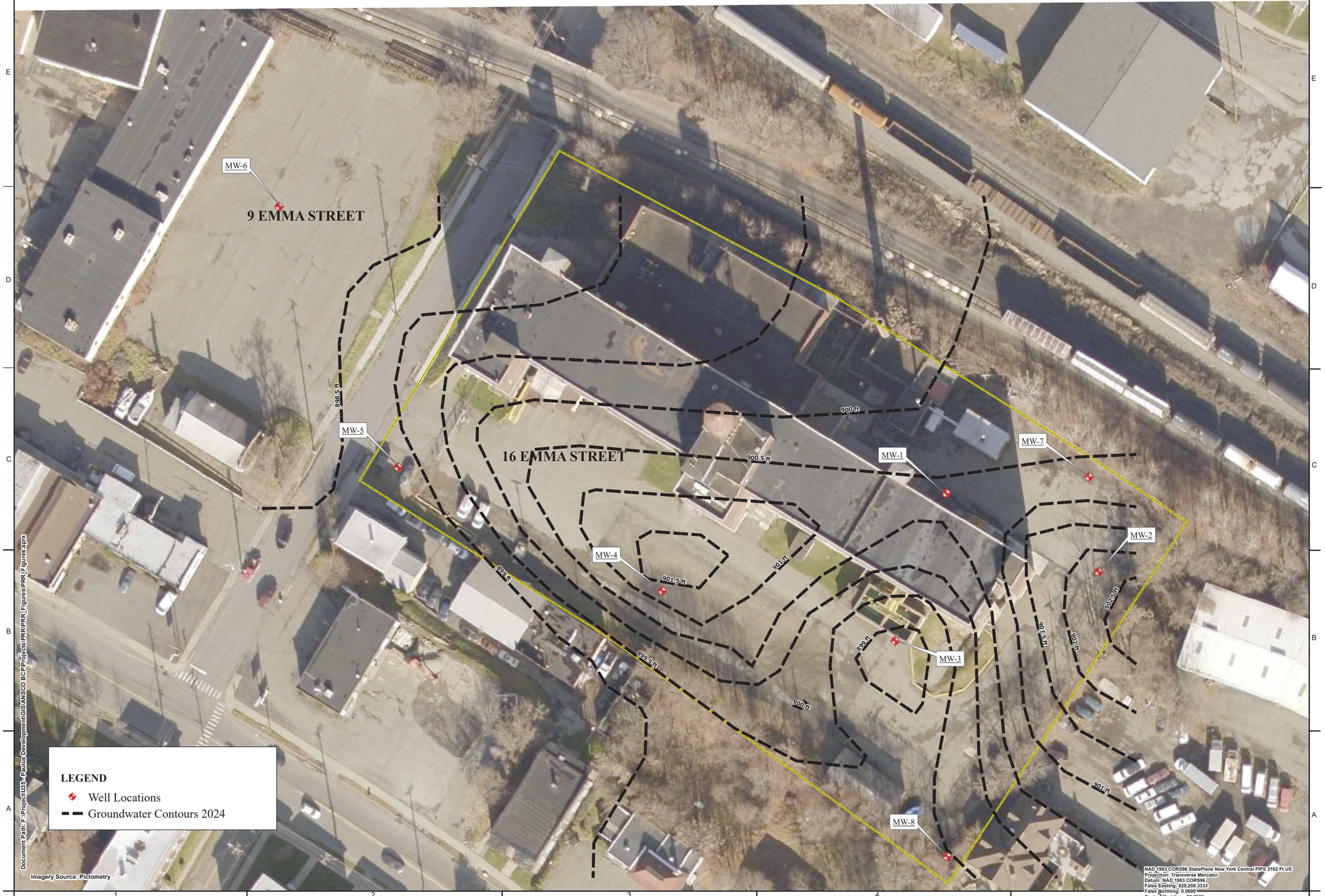
Former ANSCO Camera Factory
9 & 16 Emma Street
Binghamton, Broome County, New York
Brownfield Cleanup Program

PROJECT NO:	U35.003.008
DATE:	October 2021
SCALE:	AS SHOWN
DRAWN BY:	JTB
DESIGNED BY:	WNR
CHECKED BY:	MLW

Modified: 10/1/2021 @ 3:22:07 PM

Site Layout Map

Figure 2



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0 15 30 60 Feet

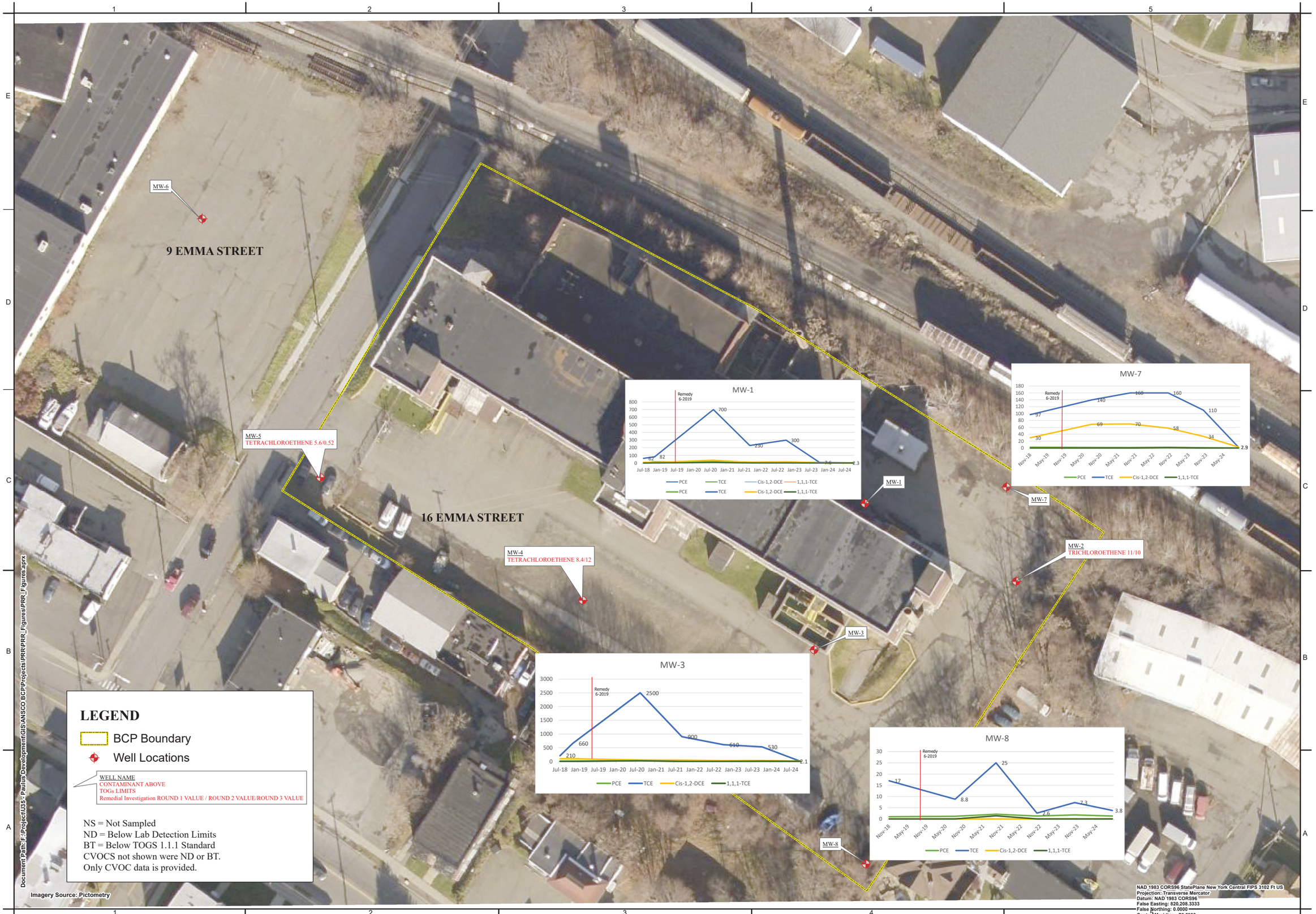
Former ANSCO Camera Factory
9 & 16 Emma Street
Binghamton, Broome County, New York
Brownfield Cleanup Program

PROJECT NO:	U35.003.010
DATE:	December 2024
SCALE:	AS SHOWN
DRAWN BY:	JTB
DESIGNED BY:	WNR
CHECKED BY:	MLW

Modified: 12/11/2024 @ 2:52 PM

GROUNDWATER CONTOURS

Figure 3



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Former ANSCO Camera Factory
9 & 16 Emma Street
Binghamton, Broome County, New York
Brownfield Cleanup Program

PROJECT NO:	U35.003.010
DATE:	December 2024
SCALE:	AS SHOWN
DRAWN BY:	JTB
DESIGNED BY:	WNR
CHECKED BY:	MLW

Modified: 12/11/2024 @ 3:45 PM

GROUNDWATER SAMPLING RESULTS

Figure 4

Appendices

Appendix A

Institutional and Engineering Controls Certification Forms

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. C704059

Site Name Former ANSCO Camera Factory

Site Address: 16 Emma Street Zip Code: 13905
City/Town: Binghamton
County: Broome
Site Acreage: 4.254

Reporting Period: April 23, 2024 to April 23, 2025

	YES	NO
1. Is the information above correct?	X	
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?		X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
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?		X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	
7. Are all ICs in place and functioning as designed?	X	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	X

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)	X	☐

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. C704059 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
143.75-1-16	Freewheelin ANSCO, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- Property to be used for restricted residential, commercial and industrial uses.
- Continued inspection and maintenance of engineering controls.
- Prohibition on use of groundwater without treatment (adequacy of treatment determined by BCHD or NYSDOH).
- Site management data and information reporting.
- Remedy performance and effectiveness monitoring.
- Operation, maintenance, monitoring, inspection, and reporting related to physical components of remedy.
- Maintain access to the site.
- Prohibition on vegetable gardens and farming.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
143.75-1-16	Vapor Mitigation Cover System

- Cover System
- Vapor Mitigation Systems (i.e., SSDS in Annex portion, mechanical ventilation system in Main Building basement)

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C704059

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 Matthew Paulus on behalf of Paulus Capital LLC (print name) at 225 Wilkinson Street, Syracuse, NY 13204 (print business address),

am certifying as Freewheelin ANSCO LLC (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5/18/25
Date

BY: FREEWHEELIN ANSCO, LLC

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I H. Nevin Bradford (print name) at C&S Engineers, 499 Colonel Eileen Collins Blvd. Syracuse, NY 13212 (print business address),

am certifying as a Professional Engineer for the Freewheelin ANSCO LLC (Owner or Remedial Party)

Registration Expires: 04.31.2026

May 19, 2025

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Appendix B

Site Inspection Forms

Former ANSCO Camera Factory BCP Site
Annual Inspection Form
16 Emma Street, Binghamton, New York

Inspector's Names:	Jordan Berti	Weather Conditions:	Overcast
Inspector's Company and Title:	C&S Engineers, Project Engineer	Temperature (^{o}f):	63F
Inspection Date:	3-Oct-24		
Inspection Time:	0915		

Comments:

Pre Inspection Checklist

1. Review monthly vapor mitigation inspection forms.
2. Review previous annual inspections
3. Verify that groundwater monitoring reports were submitted to DEC.
4. Meet with the site representative to solicit comments/concerns regarding the operation of the Engineering Controls over the past 12 months.

Comments: Met with Sarah (Building Manager). Besides a repair to the garage floor, no concerns voiced.

Cover System - Floor Inspection

1. Walk all freely accessible floors in the annex and parking garage

a. Any visible cracks or settlement in annex or basement garage floors? Yes (No)
b. Draw approximate location of floor cracks/openings on site map.
c. Note the length and width of the crack/opening.

Comments: There was a damged area in the parking garage floor, about 1 square foot in size. It was previously repaired by the owner.

Cover System - Exterior Inspection

1. Walk and inspect the entire perimeter of the Site.
2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.

a. Are there any signs of significant cracks, settlement or deterioration of the paved areas?	(Yes)	No
b. Has any of the pavement material been removed?	(Yes)	No
c. Have any structures been constructed on the unpaved areas?	Yes	(No)
d. Are there any signs of soil washing or erosion out onto the pavement?	Yes	(No)
e. Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)?	Yes	(No)

3. Walk and inspect all of the soil cover areas of the Site.

a. Are there any signs of erosion, settlement or deterioration of the cover system?	(Yes)	No

Comments: Pavement damage on the eastern exterior. Currently covered with a sheet of pylwood until it can be repaired. There are several areas of thinning grass/ bare soil across the Site.

Well Network - Inspection

1. Walk and inspect each well location / riser.

a. Are there any signs of vandalism or poor maintenance practices?	(Yes)	No
b. Are covers and plugs secure / intact?	(Yes)	No

Comments: The flush mount cover for MW-5 is operational, but has some damage and will need to be replaced in the near future.

Vapor Mitigation - SSDS

1. Inspect visible portions of the system

a. Any evidence of ripped / torn boots, broken elbows, or other piping damage that is causing leaks?	Yes	(No)
b. Are the rooftop exhausts free of obstructions?	(Yes)	No
c. Are floor pipe penetrations properly sealed?	(Yes)	No
d. Have any air intakes been constructed near the discharge point?	Yes	(No)
2. Inspect gauges and alarms	Yes	(No)
a. Is the vacuum value at the recommended wci (marked on gauge for reference)?	(Yes)	No
b. Alarms sound when blowers are powered off?		

Comments:

Vapor Mitigation - Garage Ventilation System

1. Inspect visible portions of the system

a. Is primary blower running?	(Yes)	No
b. Any evidence of piping damage?	Yes	(No)
c. Are the intake and exhaust louvers free of obstructions?	(Yes)	No

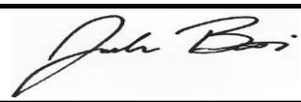
Comments:

Overall Comments:

Repair

Summarize needed/completed repairs to the Engineering Controls:

Pavement on eastern exterior needs to be repaired. Thinning areas in the turf should be addressed.

Inspector's Signature: 

Former ANSCO Camera Factory BCP Site

Monthly Inspection Form

9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeehan

Weather Conditions: Rainy

Inspection Date: 4/12/24

Temperature (°f): 60's

Inspection Time: 10:15am

Comments:

Pre Inspection Checklist

1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS

1. Inspect gauges and alarms

a. Is the negative pressure differential at the recommended wci? Yes No

b. Do the alarms sound when blowers are turned off? Yes No

c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System

1. Inspect visible portions of the system

a. Any evidence of piping damage? Yes No

b. Are the intake and exhaust louvers free of obstructions? Yes No

2. Inspect gauges and alarms

a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair

Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKercher
Inspection Date: 5/16/2024
Inspection Time: 10:22 am
Weather Conditions: Cloudy
Temperature (°f): 63°
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? ☐ Yes (circled) No
b. Do the alarms sound when blowers are turned off? Yes (circled) No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system ☐
a. Any evidence of piping damage? Yes No (circled)
b. Are the intake and exhaust louvers free of obstructions? ☐ Yes (circled) No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes (circled) No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKercher
Inspection Date: 6/13/2024
Inspection Time: 3:27pm
Weather Conditions: Sunny
Temperature (°f): 81°
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? ☐ Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system ☐
a. Any evidence of piping damage? Yes No
b. Are the intake and exhaust louvers free of obstructions? ☐ Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeehan
Inspection Date: 7/12/2024
Inspection Time: 9:13am
Weather Conditions: Cloudy
Temperature (°f): 68°
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? Yes ~~No~~
b. Are the intake and exhaust louvers free of obstructions? ~~Yes~~ No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKerher
Inspection Date: 8/8/2024
Inspection Time: 5:15pm
Weather Conditions: Raining
Temperature (°f): 65°
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? Yes No
b. Are the intake and exhaust louvers free of obstructions? Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKercher
Inspection Date: 9/18/2024
Inspection Time: 10:47 am
Weather Conditions: Sunny
Temperature (°f): 63°
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? Yes No
b. Are the intake and exhaust louvers free of obstructions? Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:
Annual inspection scheduled for October

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeehan
Inspection Date: 10/16/24
Inspection Time: 3:22 pm
Weather Conditions: Cloudy
Temperature (°f): 44°
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? Yes No
b. Are the intake and exhaust louvers free of obstructions? Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeehan
Weather Conditions: Light Snow
Inspection Date: 11/12/24
Temperature (°f): 35
Inspection Time: 11:30am
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? Yes No
b. Are the intake and exhaust louvers free of obstructions? Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeehan
Inspection Date: 12/9/24
Inspection Time: 8:30am
Weather Conditions: Fair
Temperature (°f): 34
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? Yes No
b. Are the intake and exhaust louvers free of obstructions? Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeehan
Weather Conditions: Light Snow
Inspection Date: 1/16/25
Temperature (°f): 15°
Inspection Time: 12:15pm
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms

a. Is the negative pressure differential at the recommended wci?	Yes	No
b. Do the alarms sound when blowers are turned off?	Yes	No

c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system

a. Any evidence of piping damage?	Yes	No
b. Are the intake and exhaust louvers free of obstructions?	Yes	No
2. Inspect gauges and alarms		
a. Alarm sounds when system is powered off?	Yes	No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeehan
Inspection Date: 2/19/25
Inspection Time: 10:00am
Weather Conditions: Snow
Temperature (°f): 12°
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? Yes No
b. Are the intake and exhaust louvers free of obstructions? Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeehan
Inspection Date: 3/24/25
Inspection Time: 4:32 pm
Weather Conditions: Cloudy
Temperature (°f): 51
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? ~~Yes~~ ~~No~~
b. Are the intake and exhaust louvers free of obstructions? Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature: S McKeehan

Former ANSCO Camera Factory BCP Site
Monthly Inspection Form
9 & 16 Emma Street, Binghamton, New York

Inspector's Name: Sarah McKeachnie
Inspection Date: 4/10/25
Inspection Time: 1:20pm
Weather Conditions: Rain
Temperature (°f): 38
Comments:

Pre Inspection Checklist
1. Review previous month's inspection form.

Comments:

Vapor Mitigation - SSDS
1. Inspect gauges and alarms
a. Is the negative pressure differential at the recommended wci? Yes No
b. Do the alarms sound when blowers are turned off? Yes No
c. If negative pressure differential is out of range or alarm doesn't work, system must be serviced immediately.

Comments:

Vapor Mitigation - Garage Ventilation System
1. Inspect visible portions of the system
a. Any evidence of piping damage? Yes No
b. Are the intake and exhaust louvers free of obstructions? Yes No
2. Inspect gauges and alarms
a. Alarm sounds when system is powered off? Yes No

Comments:

Overall Comments:

Repair
Summarize needed/completed repairs to the Engineering Controls:

Inspector's Signature:

Appendix C

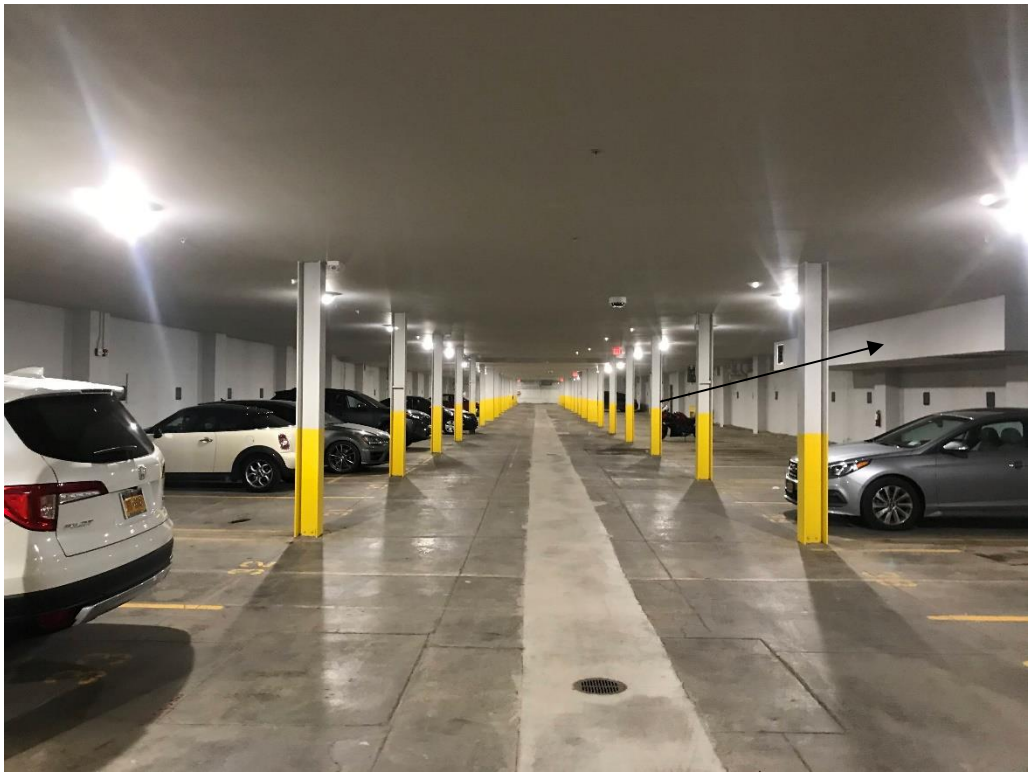
Photo Log

View of typical SSDS floor / PVC pipe penetration.

View of typical SSDS exhaust header.

View of SSDS gauge showing appropriate system pressure.

View of the mechanical louvers in the eastern end of the basement parking garage.



View of exhaust header in the eastern end of the basement parking garage.

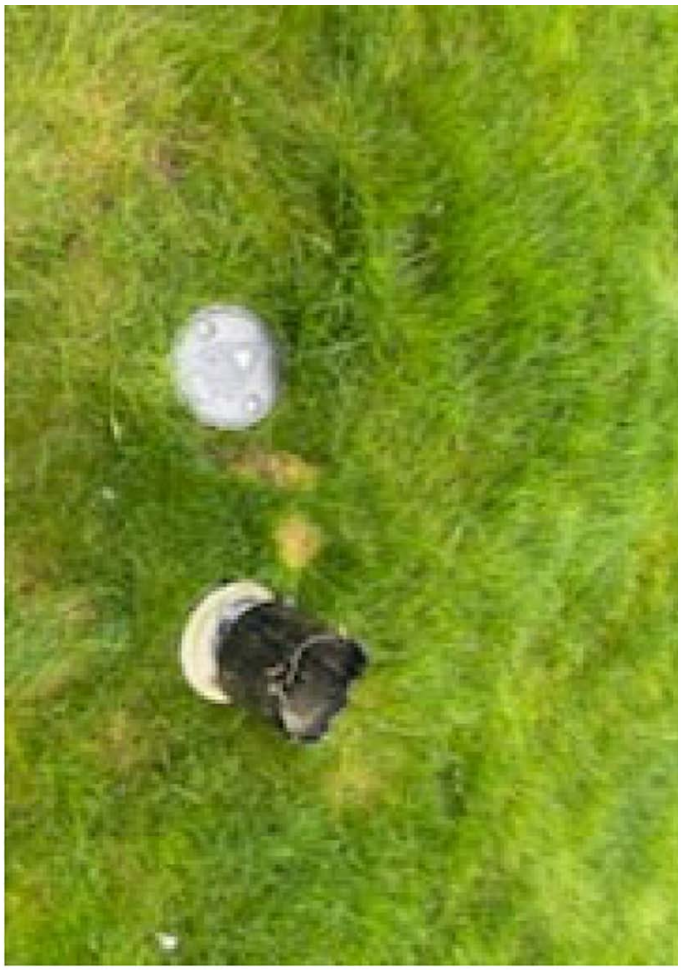
View of the repair performed by the owner in the basement parking garage.

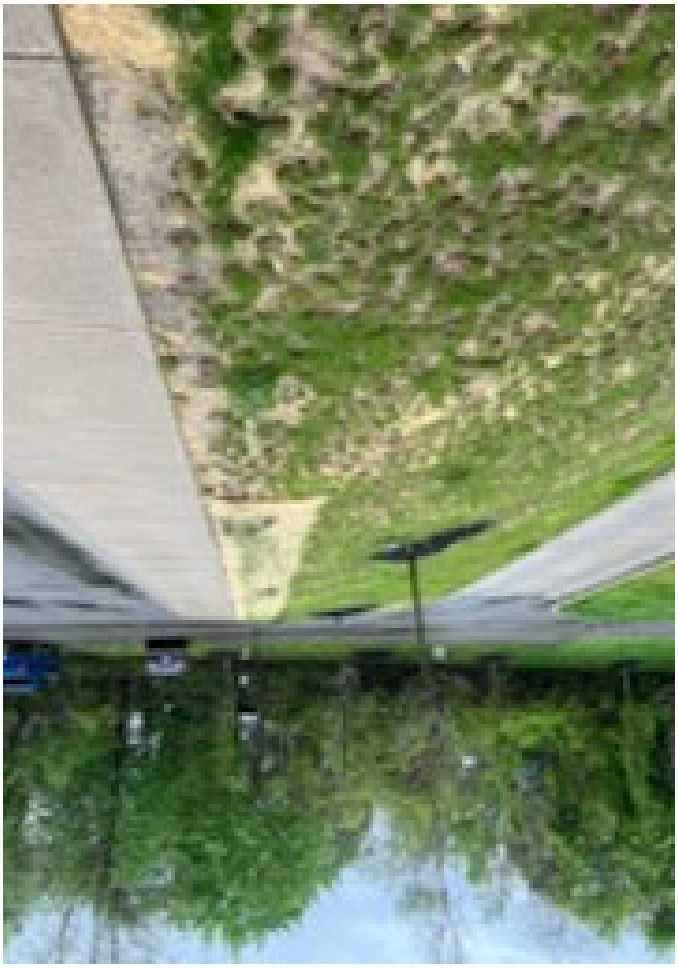
View of typical thinning grass / bare spot.

View of typical thinning grass / bare spot.

View of damaged asphalt on the eastern side of the Site.

HUNTER





Appendix D

Groundwater Sampling Field Logs

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

Well Sampling Field Data Sheet

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

Client Name: ANSCO - Paulus Development
Site Name: ANSCO Camera Factory BCP
Project No.: U35.003.011
Field Staff: JTB, JT

WELL DATA

Date	3-Oct	
Time	13:45	
Water meter utilized and date last calibrated		
Well Number	MW-1	
PID Reading (ppm)	0.0	
Diameter (inches)	2.0	
Total Sounded Depth (feet)	38.92	
Static Water Level (feet)	27.89	
H_2O Column (feet)	11.07	
Pump Intake (feet)	35'	
Well Volume (gallons)	1.88	
Amount to Evacuate (gallons)	5.65	
Amount Evacuated (gallons)	5.50	

SAMPLE DATA

Sample Date	3-Oct	
Sample Time	14:50	
Sampler Initials	JTB	
Sample I.D.	MW-1 (10-3-2024)	
Dupe Collected?	☐ Yes ☑ No	ID:
MS Collected?	☐ Yes ☑ No	;
MSD Collected?	☐ Yes ☑ No	ID:
Trip Blank Collected?	☐ Yes ☑ No	ID:
EQ Blank Collected?	☐ Yes ☑ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	3-Oct							
Time		14:02	14:08	14:13	14:18	14:23	14:28	14:33	14:38
Volume Extracted	gallons	0.5	1	1.5	2	2.5	3.25	3.75	4.25
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.33	7.3	7.3	7.29	7.29	7.29	7.29	7.29
Conductivity (mS/cm)	3%	1.09	1.12	1.14	1.14	1.16	1.17	1.18	1.21
Turbidity (NTU)	10%	>1000	960	711	500	399	298	220	138
D.O. (mg/L)	10%	7.8	8.1	8.3	8.23	8.09	8.09	8.12	8.5
Temperature (ºC) (ºF)	3%	17.17	16.77	16.66	16.7	16.53	16.53	16.48	16.36
ORP[3](mV)	+/-10 mv	139	144	147	149	151	152	153	154
Appearance		VT	VT	VT	T	T	T	T	ST
Free Product (Yes/No)		N	N	N	N	N	N	N	N
Odor		N	N	N	N	N	N	N	N

Date	Stabilization Criteria								
Time		14:42	14:46	14:48					
Volume Extracted	gallons	4.75	5.25	5.5					
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.29	7.3	7.3					
Conductivity (mS/cm)	3%	1.21	1.21	1.2					
Turbidity (NTU)	10%	121	111	101					
D.O. (mg/L)	10%	8.18	8.29	8.33					
Temperature (ºC) (ºF)	3%	16.55	16.41	16.4					
ORP[3](mV)	+/-10 mv	154	154	155					
Appearance		C	C	C					
Free Product (Yes/No)		N	N	N					
Odor		N	N	N					

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

Comments:

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

Well Sampling Field Data Sheet

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

Client Name: ANSCO - Paulus Development
Site Name: ANSCO Camera Factory BCP
Project No.: U35.003.011
Field Staff: JTB, JT

WELL DATA

Date	3-Oct	
Time	11:50	
Water meter utilized and date last calibrated		
Well Number	MW-3	
PID Reading (ppm)	0.0	
Diameter (inches)	2.0	
Total Sounded Depth (feet)	38.72	
Static Water Level (feet)	26.15	
H_2O Column (feet)	12.57	
Pump Intake (feet)	32'	
Well Volume (gallons)	2.14	
Amount to Evacuate (gallons)	6.40	
Amount Evacuated (gallons)	6.50	

SAMPLE DATA

Sample Date	3-Oct	
Sample Time	13:15	
Sampler Initials	JTB	
Sample I.D.	MW-3 (10-3-2024)	
Dupe Collected?	☐ Yes ☑ No	ID:
MS Collected?	☐ Yes ☑ No	;
MSD Collected?	☐ Yes ☑ No	ID:
Trip Blank Collected?	☐ Yes ☑ No	ID:
EQ Blank Collected?	☐ Yes ☑ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	3-Oct							
Time		12:21	12:30	12:35	12:40	12:44	12:49	12:54	13:00
Volume Extracted	gallons	0.25	1	1.5	2	2.5	3	3.5	4
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.38	7.43	7.41	7.38	7.37	7.36	7.39	7.39
Conductivity (mS/cm)	3%	0.964	0.877	0.92	0.974	0.981	1.02	1.03	1.03
Turbidity (NTU)	10%	1000	348	272	188	118	104	68.7	63.4
D.O. (mg/L)	10%	13.23	8.74	8.42	8.2	8.12	8.01	9.67	8.25
Temperature (ºC) (ºF)	3%	17.8	17.7	17.7	17.66	17.87	17.9	17.86	17.86
ORP[3](mV)	+/-10 mv	144	144	144	145	145	145	146	146
Appearance		VT	T	ST	ST	ST	ST	C	C
Free Product (Yes/No)		N	N	N	N	N	N	N	N
Odor		N	N	N	N	N	N	N	N

Date	Stabilization Criteria								
Time		13:03	13:06	13:10	13:14	13:19			
Volume Extracted	gallons	4.5	5	5.5	6	6.5			
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.34	7.34	7.34	7.35	7.34			
Conductivity (mS/cm)	3%	1	1.03	1.05	1.05	1.06			
Turbidity (NTU)	10%	50.9	64.1	32.7	33.1	32.1			
D.O. (mg/L)	10%	7.9	8.39	8.28	8.17	8.16			
Temperature (ºC) (ºF)	3%	17.93	16.95	17.07	17.04	16.9			
ORP[3](mV)	+/-10 mv	148	148	147	147	146			
Appearance		C	C	C	C	C			
Free Product (Yes/No)		N	N	N	N	N			
Odor		N	N	N	N	N			

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

Comments:

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

Well Sampling Field Data Sheet

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

Client Name: ANSCO - Paulus Development
Site Name: ANSCO Camera Factory BCP
Project No.: U35.003.011
Field Staff: JTB, JT

WELL DATA

Date	3-Oct	
Time	14:52	
Water meter utilized and date last calibrated		
Well Number	MW-7	
PID Reading (ppm)	2.9	
Diameter (inches)	2.0	
Total Sounded Depth (feet)	30.95	
Static Water Level (feet)	27.27	
H_2O Column (feet)	3.68	
Pump Intake (feet)	30'	
Well Volume (gallons)	0.63	
Amount to Evacuate (gallons)	1.90	
Amount Evacuated (gallons)	2.50	

SAMPLE DATA

Sample Date	3-Oct	
Sample Time	15:48	
Sampler Initials	JTB	
Sample I.D.	MW-7 (10-3-2024)	
Dupe Collected?	☐ Yes ☑ No	ID:
MS Collected?	☐ Yes ☑ No	;
MSD Collected?	☐ Yes ☑ No	ID:
Trip Blank Collected?	☐ Yes ☑ No	ID:
EQ Blank Collected?	☐ Yes ☑ No	ID:
Comments		

FIELD READINGS

Date	Stabilization Criteria	3-Oct							
Time		15:27	15:31	15:36	15:39	15:42	15:44	15:46	
Volume Extracted	gallons	0.5	1	1.5	1.75	2	2.25	2.5	
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.4	7.35	7.34	7.33	7.33	7.33	7.32	
Conductivity (mS/cm)	3%	0.965	0.971	0.974	0.979	0.981	0.983	1	
Turbidity (NTU)	10%	459	140	80	52.9	37.2	33.1	26.1	
D.O. (mg/L)	10%	8.01	7.71	7.66	7.78	7.69	7.75	7.78	
Temperature (ºC) (ºF)	3%	17.11	17.02	16.87	16.87	16.89	16.9	16.88	
ORP[3](mV)	+/-10 mv	151	151	152	153	153	153	153	
Appearance		T	ST	ST	ST	ST	C	C	
Free Product (Yes/No)		N	N	N	N	N	N	N	
Odor		N	N	N	N	N	N	N	

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

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

Comments:

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

Well Sampling Field Data Sheet

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

Client Name: ANSCO - Paulus Development
Site Name: ANSCO Camera Factory BCP
Project No.: U35.003.011
Field Staff: JTB, JT

WELL DATA

Date	3-Oct	
Time	10:25	
Water meter utilized and date last calibrated		
Well Number	MW-8	
PID Reading (ppm)	0.0	
Diameter (inches)	2.0	
Total Sounded Depth (feet)	32.61	
Static Water Level (feet)	27.90	
H_2O Column (feet)	4.71	
Pump Intake (feet)	30'	
Well Volume (gallons)	0.80	
Amount to Evacuate (gallons)	2.40	
Amount Evacuated (gallons)	2.50	

SAMPLE DATA

Sample Date	3-Oct	
Sample Time	11:30	
Sampler Initials	JTB	
Sample I.D.	MW-8 (10-3-2024)	
Dupe Collected?	☐ Yes ☑ No	ID:
MS Collected?	☐ Yes ☑ No	;
MSD Collected?	☐ Yes ☑ No	ID:
Trip Blank Collected?	☑ Yes ☐ No	ID:
EQ Blank Collected?	☐ Yes ☑ No	ID:
Comments		

FIELD READINGS

	Stabilization Criteria								
Date		3-Oct							
Time		10:52	11:00	11:05	11:12	11:17	11:22	11:27	
Volume Extracted	gallons	0.25	0.75	1.25	1.75	2	2.25	2.5	
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.64	7.4	7.3	7.3	7.24	7.22	7.36	
Conductivity (mS/cm)	3%	0.95	0.876	0.834	0.805	0.799	0.799	0.802	
Turbidity (NTU)	10%	840	>1000	>1000	>1000	>1000	>1000	>1000	
D.O. (mg/L)	10%	9.28	8.68	8.31	7.71	8.35	7.8	7.81	
Temperature (ºC) (ºF)	3%	14.19	14.66	14.88	14.9	15.39	15.2	14.14	
ORP[3](mV)	+/-10 mv	167	169	171	170	167	170	167	
Appearance		VT	VT	VT	VT	VT	VT	VT	
Free Product (Yes/No)		N	N	N	N	N	N	N	
Odor		N	N	N	N	N	N	N	

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

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

Comments:

Appendix E

Groundwater Data Summary, Category B Laboratory Report, DUSR

Table 1
Former ANSCO Camera Factory BCP Site
Site ID No. C704059
2025 Periodic Review Report
Groundwater Data Summary

LOCATION		MW-1 (10-1-24)		MW-3 (10-1-24)		MW-7 (10-1-24)		MW-8 (10-1-24)		TRIP BLANK (10-1-24)	
SAMPLING DATE		10/1/2024		10/1/2024		10/1/2024		10/1/2024		10/1/2024	
LAB SAMPLE ID		L2457484-01		L2457484-02		L2457484-03		L2457484-04		L2457484-05	
SAMPLE TYPE		GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER		GROUNDWATER	
	Groundwater Standard	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics											
1,1,1-Trichloroethane	5	0.9 J		2.3 J							
Acetone	50									1.6 J	
Carbon tetrachloride	5	0.22 J		0.18 J		0.14 J		0.28 J			
Chloroform	7	1.5 J		1.2 J		0.94 J					
cis-1,2-Dichloroethene	5	2.2 J		5.6		2.9					
Tetrachloroethene	5	4.6		11		0.44 J		1.3			
Trichloroethene	5	2.3		2.1		2.3		3.8			

Notes:
- Analytical results compared to NYSDEC Division of Water Technical and Operational Series (TOGS 1.1.1) Ambient Water Quality Standards
- Only analytes present at concentrations greater than laboratory detection limits are shown.
- Highlighted cell indicates the respective groundwater limitation exceeded.
- "J" indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2457484

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Project Name: FORMER ANSCO CAMERA FACTORY
Project Number: U35.003.011

Lab Number: L2457484
Report Date: 10/10/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2457484-01	MW-1 (10-1-24)	WATER	16 EMMA ST, BINHAMPTON,NY	10/01/24 14:50	10/03/24
L2457484-02	MW-3 (10-1-24)	WATER	16 EMMA ST, BINHAMPTON,NY	10/01/24 13:15	10/03/24
L2457484-03	MW-7 (10-1-24)	WATER	16 EMMA ST, BINHAMPTON,NY	10/01/24 15:48	10/03/24
L2457484-04	MW-8 (10-1-24)	WATER	16 EMMA ST, BINHAMPTON,NY	10/01/24 11:30	10/03/24
L2457484-05	TRIP BLANK (10-1-24)	WATER	16 EMMA ST, BINHAMPTON,NY	10/01/24 00:00	10/03/24

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2457484-01: The sample identified as "MW-1 (10-1-24)" on the chain of custody was identified as "MW-1 (10-3-24)" on the container label. At the client's request, the sample is reported as "MW-1 (10-1-24)".
L2457484-02: The sample identified as "MW-3 (10-1-24)" on the chain of custody was identified as "MW-3 (10-3-24)" on the container label. At the client's request, the sample is reported as "MW-3 (10-1-24)".
L2457484-03: The sample identified as "MW-7 (10-1-24)" on the chain of custody was identified as "MW-7 (10-3-24)" on the container label. At the client's request, the sample is reported as "MW-7 (10-1-24)".
L2457484-04: The sample identified as "MW-8 (10-1-24)" on the chain of custody was identified as "MW-8 (10-3-24)" on the container label. At the client's request, the sample is reported as "MW-8 (10-1-24)".
L2457484-05: The sample identified as "TRIP BLANK (10-1-24)" on the chain of custody was identified as "TRIP BLANK (10-3-24)" on the container label. At the client's request, the sample is reported as "TRIP BLANK (10-1-24)".

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

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

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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

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

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

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

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

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Alpha Job Number : L2457484

Received : 03-OCT-2024
Reviewer : Julie Convery

Account Name : C&S Companies
Project Number : U35.003.011
Project Name : FORMER ANSCO CAMERA FACTORY

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.2	

Condition Information

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

2) Extra samples received? **NO**

3) Are there any sample container discrepancies? **NO**

4) Are there any discrepancies between COC & sample labels? **YES**
L2457484-01: MW-1 (10-1-24) vs. MW-1 (10-3-24)
L2457484-02: MW-3 (10-1-24) vs. MW-3 (10-3-24)
L2457484-03: MW-7 (10-1-24) vs. MW-7 (10-3-24)
L2457484-04: MW-8 (10-1-24) vs. MW-8 (10-3-24)
L2457484-05: TRIP BLANK (10-1-24) vs. TRIP BLANK (10-3-24)

5) Are samples in appropriate containers for requested analysis? **YES**

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NA**

Volatile Organics/VPH

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

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 10 2024, 04:43 pm

Login Number: L2457484
Account: C&SENG C&S CompaniesProject: U35.003.011
Received: 03OCT24 Due Date: 10OCT24

Sample #	Client ID	Mat	PR	Collected
L2457484-01	MW-1 (10-1-24)	1	S0	01OCT24 14:50
8260 REPORT LIST BUILT ASP-B Package Due Date: 10/10/24				
ASP-B,NYTCL-8260-R2				
L2457484-02	MW-3 (10-1-24)	1	S0	01OCT24 13:15
8260 REPORT LIST BUILT Package Due Date: 10/10/24				
NYTCL-8260-R2				
L2457484-03	MW-7 (10-1-24)	1	S0	01OCT24 15:48
8260 REPORT LIST BUILT Package Due Date: 10/10/24				
NYTCL-8260-R2				
L2457484-04	MW-8 (10-1-24)	1	S0	01OCT24 11:30
8260 REPORT LIST BUILT Package Due Date: 10/10/24				
NYTCL-8260-R2				
L2457484-05	TRIP BLANK (10-1-24)	1	S0	01OCT24 00:00
8260 REPORT LIST BUILT Package Due Date: 10/10/24				
NYTCL-8260-R2				

Logged By: Candace Fox

NEW YORK CHAIN OF CUSTODY

ALPHA

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

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

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

Page 1 of 1

Date Rec'd in Lab: 10/4/24

ALPHA Job #: L2457484

Client Information

Client: CTS Engineers Inc.
Address: 499 Col. Eileen Collins Blvd, Syracuse, NY
Phone: 315-455-2000
Fax:
Email: MAWALKER@CTSCOS.COM

Project Information

Project Name: Former Ansco Camera Factory 2025 PBR
Project Location: 16 Emma St, Binghamton NY
Project #: 035.003.011
(Use Project name as Project #) ☐
Project Manager: Matt Walker
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL VOCs - EPA 8260D

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	Sample Specific Comments	Total Bottle
57484 01	MW-1 (10-1-24)	10/1/24	14:50	NPW	JTB	X		3
02	MW-3 (10-1-24)	10/1/24	13:15	NPW	JTB	X		3
03	MW-7 (10-1-24)	10/1/24	15:48	NPW	JTB	X		3
04	MW-8 (10-1-24)	10/1/24	11:30	NPW	JTB	X		3
05	TRIP BLANK (10-1-24)	10/1/24	11:35	NAW	JTB	X		2

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

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

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

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
Joseph Berge/JTB	10/1/24 17:40	[signature] Pkg	10/3/24 1743
[signature] CTS S.C.	10/3/24 1743		10-3-24
	10-3-24		
	8306	[signature]	10/04/24 0306

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

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

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: C&S Companies
Project Name: FORMER ANSCO CAMERA FACTORY

Lab Number: L2457484
Project Number: U35.003.011
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-1 (10-1-24) (L2457484-01)	107	101	112	102	0
MW-3 (10-1-24) (L2457484-02)	110	100	112	102	0
MW-7 (10-1-24) (L2457484-03)	110	100	111	104	0
MW-8 (10-1-24) (L2457484-04)	108	100	110	104	0
TRIP BLANK (10-1-24) (L2457484-05)	114	100	109	106	0
WG1982134-3LCS	111	104	105	102	0
WG1982134-4LCSD	111	103	105	100	0
WG1982134-5BLANK	114	100	108	107	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1982134-3 **Analysis Date** : 10/09/24 06:38	**File ID**	: V05241009A01
LCSD Sample ID	: WG1982134-4 **Analysis Date** : 10/09/24 07:04	**File ID**	: V05241009A02

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

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1982134-3 **Analysis Date** : 10/09/24 06:38	**File ID**	: V05241009A01
LCSD Sample ID	: WG1982134-4 **Analysis Date** : 10/09/24 07:04	**File ID**	: V05241009A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	9.9	99	10	10	100	1	70-130	20
Methyl tert butyl ether	10	9.0	90	10	9.2	92	2	63-130	20
p/m-Xylene	20	22	110	20	22	110	0	70-130	20
o-Xylene	20	22	110	20	22	110	0	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Styrene	20	21	105	20	21	105	0	70-130	20
Dichlorodifluoromethane	10	11	110	10	11	110	0	36-147	20
Acetone	10	8.3	83	10	8.4	84	1	58-148	20
Carbon disulfide	10	11	110	10	11	110	0	51-130	20
2-Butanone	10	9.1	91	10	9.6	96	5	63-138	20
4-Methyl-2-pentanone	10	9.2	92	10	9.4	94	2	59-130	20
2-Hexanone	10	8.7	87	10	9.0	90	3	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	9.9	99	10	10	100	1	70-130	20
1,2-Dibromo-3-chloropropane	10	8.5	85	10	9.0	90	6	41-144	20
Isopropylbenzene	10	11	110	10	11	110	0	70-130	20
1,2,3-Trichlorobenzene	10	9.7	97	10	10	100	3	70-130	20
1,2,4-Trichlorobenzene	10	9.8	98	10	10	100	2	70-130	20
Methyl Acetate	10	9.4	94	10	9.7	97	3	70-130	20
Cyclohexane	10	12	120	10	12	120	0	70-130	20
1,4-Dioxane	500	470	94	500	470	94	0	56-162	20
Freon-113	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	11	110	10	11	110	0	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab Sample ID	: WG1982134-5	**Lab File ID**	: V05241009A05
Instrument ID	: VOA105		
Matrix	: WATER	**Analysis Date**	: 10/09/24 08:19

Client Sample No.	Lab Sample ID	Analysis Date
WG1982134-3LCS	WG1982134-3	10/09/24 06:38
WG1982134-4LCSD	WG1982134-4	10/09/24 07:04
MW-1 (10-1-24)	L2457484-01	10/09/24 12:08
MW-3 (10-1-24)	L2457484-02	10/09/24 12:33
MW-7 (10-1-24)	L2457484-03	10/09/24 12:59
MW-8 (10-1-24)	L2457484-04	10/09/24 13:24
TRIP BLANK (10-1-24)	L2457484-05	10/09/24 13:49

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

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Instrument ID	: VOA105	**Analysis Date**	: 09/06/24 16:20
Tune Standard	: WG1969218-1	**Tune File ID**	: V05240906NBF1_tune

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

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

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

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

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

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Instrument ID	: VOA105	**Analysis Date**	: 10/09/24 06:24
Tune Standard	: WG1982134-1	**Tune File ID**	: V05241009ABF1_tune

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

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1982134-2CCAL	WG1982134-2	V05241009A01	10/09/24 06:38
WG1982134-3LCS	WG1982134-3	V05241009A01	10/09/24 06:38
WG1982134-4LCSD	WG1982134-4	V05241009A02	10/09/24 07:04
WG1982134-5BLANK	WG1982134-5	V05241009A05	10/09/24 08:19
MW-1 (10-1-24)	L2457484-01	V05241009A14	10/09/24 12:08
MW-3 (10-1-24)	L2457484-02	V05241009A15	10/09/24 12:33
MW-7 (10-1-24)	L2457484-03	V05241009A16	10/09/24 12:59
MW-8 (10-1-24)	L2457484-04	V05241009A17	10/09/24 13:24
TRIP BLANK (10-1-24)	L2457484-05	V05241009A18	10/09/24 13:49

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Instrument ID	: VOA105	**Analysis Date**	: 10/09/24 06:38:00
Sample No	: WG1982134-2	**Lab File ID**	: V05241009A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1982134-2	452753	5.68	351916	9.18	226621	11.95
Upper Limit	905506	6.18	703832	9.68	453242	12.45
Lower Limit	226377	5.18	175958	8.68	113311	11.45
Sample ID						
WG1982134-3 LCS	452753	5.68	351916	9.18	226621	11.95
WG1982134-4 LCSD	450561	5.68	353180	9.18	226106	11.95
WG1982134-5 BLANK	415091	5.68	327740	9.18	195066	11.95
MW-1 (10-1-24)	524458	5.68	403839	9.18	237842	11.95
MW-3 (10-1-24)	506797	5.68	392968	9.18	231099	11.95
MW-7 (10-1-24)	478779	5.68	374676	9.18	219399	11.95
MW-8 (10-1-24)	453857	5.68	352709	9.18	206897	11.95
TRIP BLANK (10-1-24)	433677	5.68	340599	9.18	203827	11.95

Area Upper Limit = +100% of internal standard area

Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT

RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/15/23
Created By: Jason Hebert
File: PM14094-1
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Volatile Organics - EPA 8260D (WATER)

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

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

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

Date Created: 03/15/23
Created By: Jason Hebert
File: PM14094-1
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Volatile Organics - EPA 8260D (WATER)

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

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

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

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

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

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

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

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

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

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

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-01	**Date Collected**	: 10/01/24 14:50
Client ID	: MW-1 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	1.5	2.5	0.70	J
56-23-5	Carbon tetrachloride	0.22	0.50	0.13	J
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	4.6	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	0.90	2.5	0.70	J
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-01	**Date Collected**	: 10/01/24 14:50
Client ID	: MW-1 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.3	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	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.2	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-01	**Date Collected**	: 10/01/24 14:50
Client ID	: MW-1 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-02	**Date Collected**	: 10/01/24 13:15
Client ID	: MW-3 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	1.2	2.5	0.70	J
56-23-5	Carbon tetrachloride	0.18	0.50	0.13	J
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	11	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	2.3	2.5	0.70	J
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-02	**Date Collected**	: 10/01/24 13:15
Client ID	: MW-3 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.1	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	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	5.6	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-02	**Date Collected**	: 10/01/24 13:15
Client ID	: MW-3 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-03	**Date Collected**	: 10/01/24 15:48
Client ID	: MW-7 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.94	2.5	0.70	J
56-23-5	Carbon tetrachloride	0.14	0.50	0.13	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.44	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-03	**Date Collected**	: 10/01/24 15:48
Client ID	: MW-7 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.3	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	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.9	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-03	**Date Collected**	: 10/01/24 15:48
Client ID	: MW-7 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-04	**Date Collected**	: 10/01/24 11:30
Client ID	: MW-8 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	0.28	0.50	0.13	J
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	1.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-04	**Date Collected**	: 10/01/24 11:30
Client ID	: MW-8 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	3.8	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	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-04	**Date Collected**	: 10/01/24 11:30
Client ID	: MW-8 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-05	**Date Collected**	: 10/01/24 00:00
Client ID	: TRIP BLANK (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-05	**Date Collected**	: 10/01/24 00:00
Client ID	: TRIP BLANK (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.6	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-05	**Date Collected**	: 10/01/24 00:00
Client ID	: TRIP BLANK (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: WG1982134-5	**Date Collected**	: NA
Client ID	: WG1982134-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/09/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: WG1982134-5	**Date Collected**	: NA
Client ID	: WG1982134-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/09/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: WG1982134-5	**Date Collected**	: NA
Client ID	: WG1982134-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/09/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A14.D
Acq On : 9 Oct 2024 12:08 pm
Operator : VOA105:MJV
Sample : l2457484-01,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 10 09:36:04 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	524458	10.000 ug/L	0.00
Standard Area 1 = 452753			Recovery = 115.84%		
59) Chlorobenzene-d5	9.177	117	403839	10.000 ug/L	0.00
Standard Area 1 = 351916			Recovery = 114.75%		
79) 1,4-Dichlorobenzene-d4	11.949	152	237842	10.000 ug/L	0.00
Standard Area 1 = 226621			Recovery = 104.95%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	149424	10.195 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.95%		
43) 1,2-Dichloroethane-d4	5.410	65	161690	10.670 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.70%		
60) Toluene-d8	7.347	98	493283	10.114 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.14%		
83) 4-Bromofluorobenzene	10.715	95	184552	11.183 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.83%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.351	85	778	N.D.	
3) Chloromethane	1.694	50	106	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	660	0.105 ug/L	88
6) Chloroethane	2.124	64	208	Below Cal #	41
7) Trichlorofluoromethane	2.261	101	803	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.750	76	457	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.298	43	107	N.D.	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.474	43	102	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	3.963	63	1053	N.D.	
28) cis-1,2-Dichloroethene	4.471	96	29127	2.253 ug/L	95
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	4.726	83	32055	1.475 ug/L #	94
34) Carbon tetrachloride	4.843	117	4080	0.219 ug/L	97

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A14.D
Acq On : 9 Oct 2024 12:08 pm
Operator : VOA105:MJV
Sample : l2457484-01,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 10 09:36:04 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	4.912	97	18176	0.897	ug/L	98
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.303	78	283	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	5.860	95	30368	2.309	ug/L	90
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.415	92	667	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.846	166	69521	4.647	ug/L	90
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.245	91	980	N.D.		
76) p/m Xylene	9.461	106	982	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

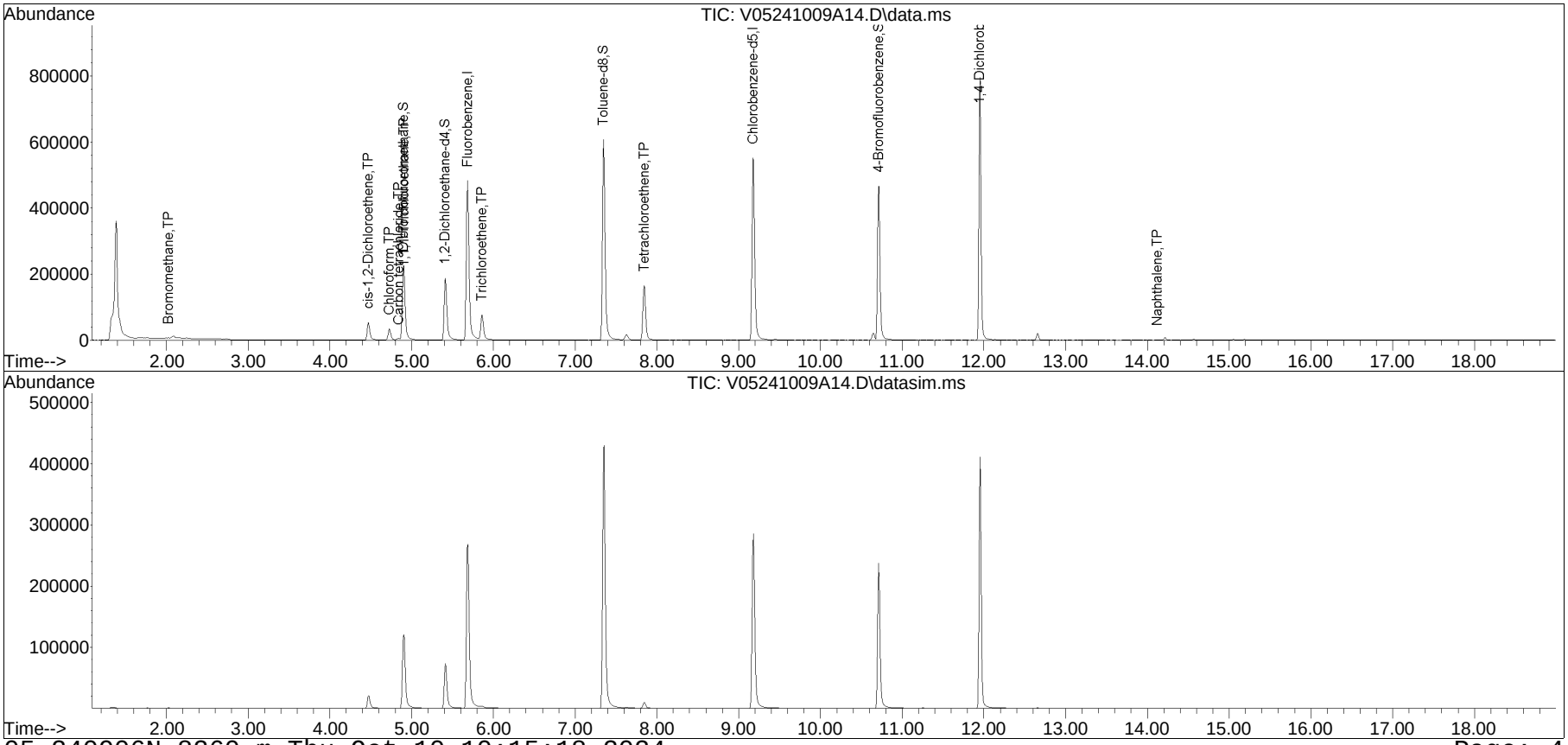
(#) = qualifier out of range (m) = manual integration (+) = signals summed

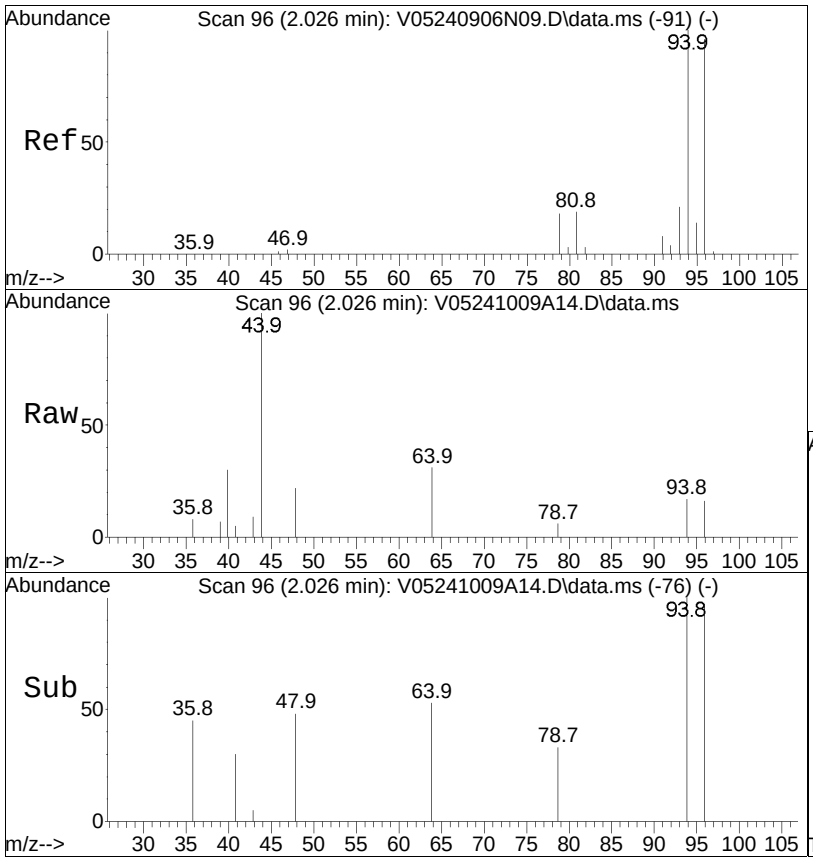
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A14.D
Acq On : 9 Oct 2024 12:08 pm
Operator : VOA105:MJV
Sample : l2457484-01,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 10 09:36:04 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1009A01.D•

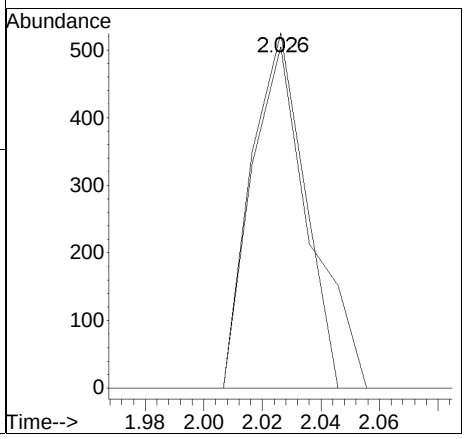


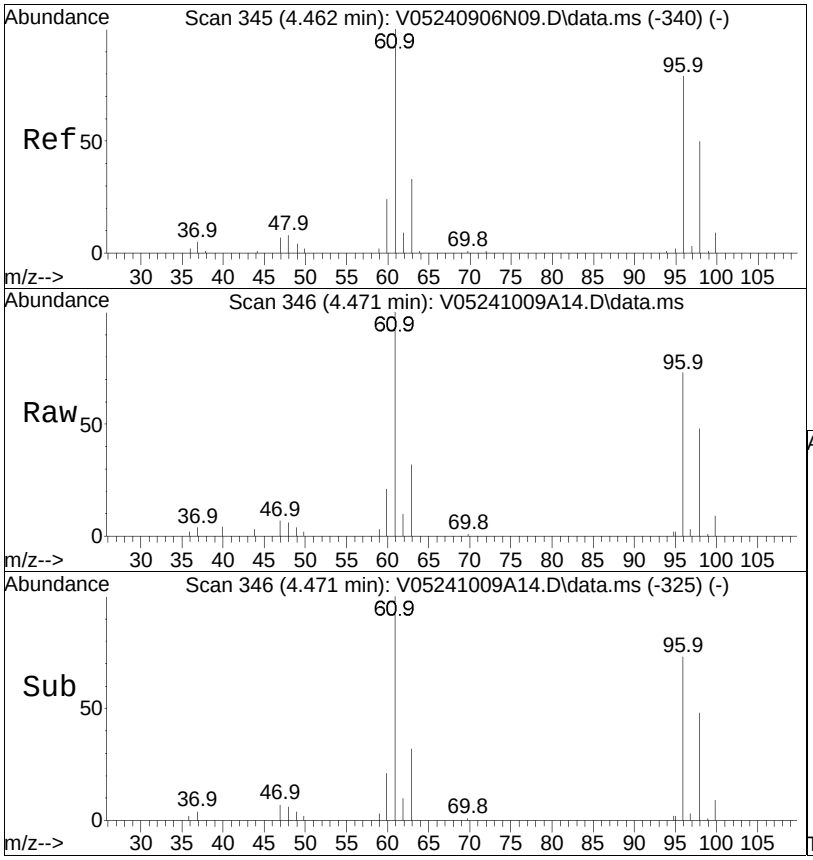


#5
Bromomethane
Concen: 0.11 ug/L
RT: 2.026 min Scan# 96
Delta R.T. 0.000 min
Lab File: V05241009A14.D
Acq: 9 Oct 2024 12:08 pm

Tgt Ion: 94 Resp: 660

Ion	Ratio	Lower	Upper
94	100		
96	106.8	75.4	115.4

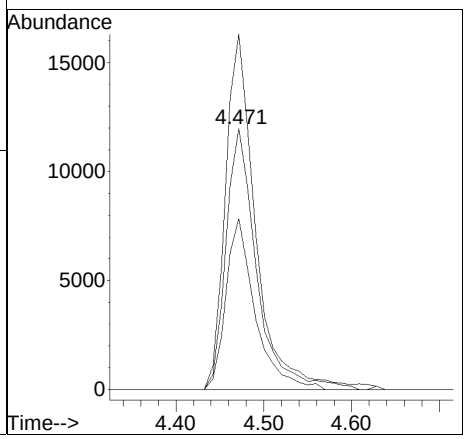


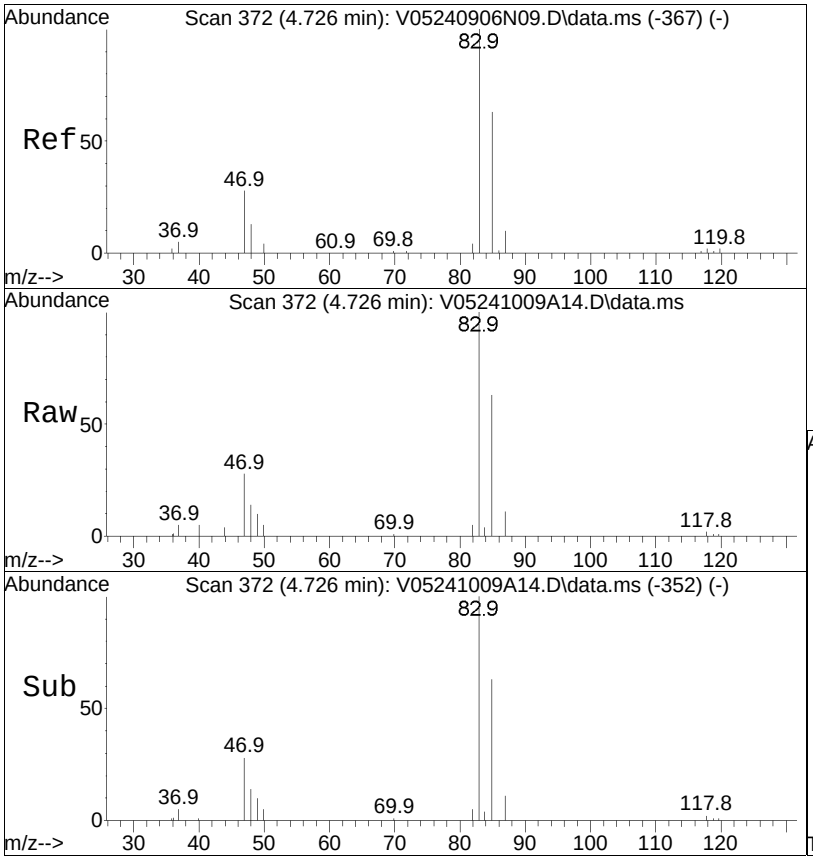


#28
cis-1,2-Dichloroethene
Concen: 2.25 ug/L
RT: 4.471 min Scan# 346
Delta R.T. 0.009 min
Lab File: V05241009A14.D
Acq: 9 Oct 2024 12:08 pm

Tgt Ion: 96 Resp: 29127

Ion	Ratio	Lower	Upper
96	100		
61	134.6	100.5	150.7
98	62.2	49.8	74.8

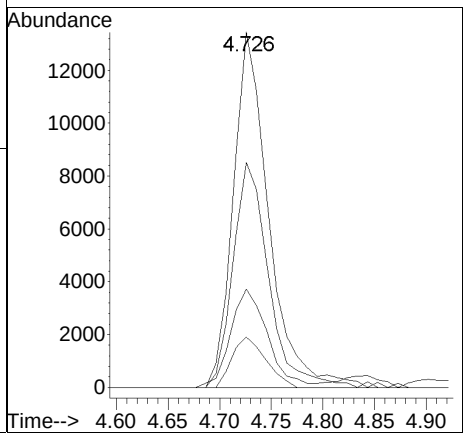


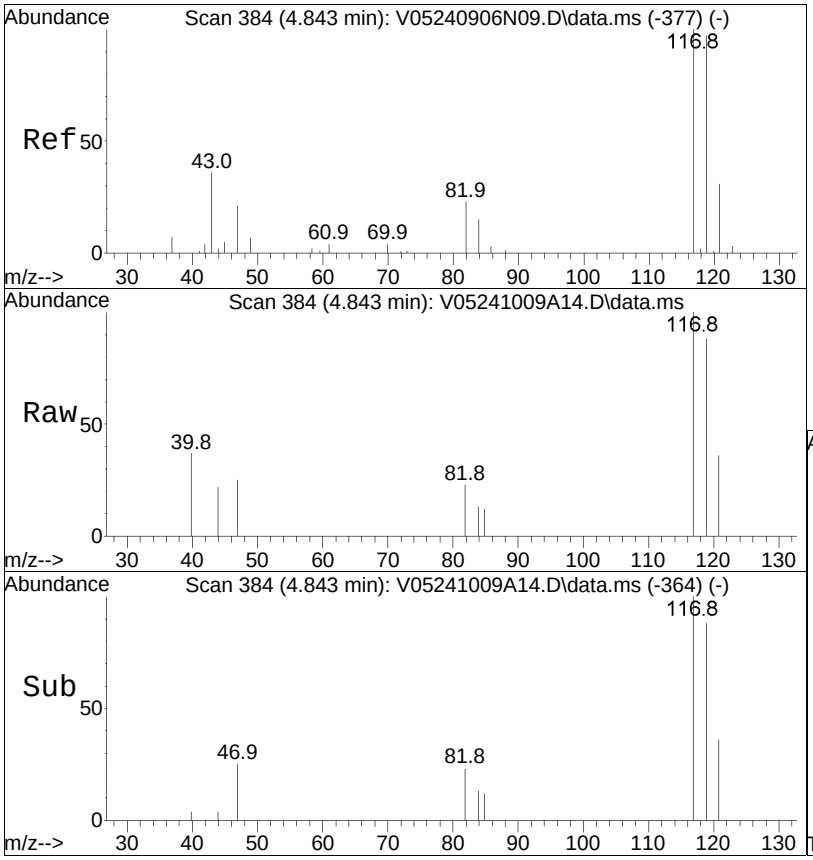


#32
Chloroform
Concen: 1.47 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241009A14.D
Acq: 9 Oct 2024 12:08 pm

Tgt Ion: 83 Resp: 32055

Ion	Ratio	Lower	Upper
83	100		
85	63.6	42.8	89.0
47	29.0	13.7	28.4#
48	13.5	6.9	14.3

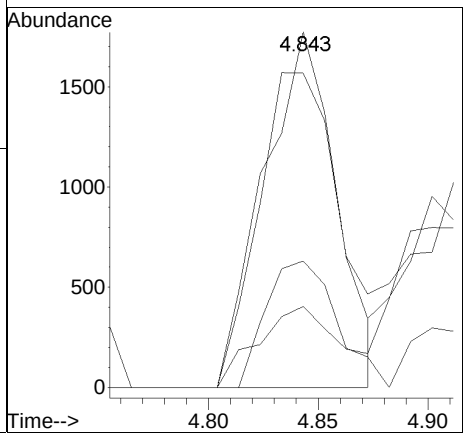


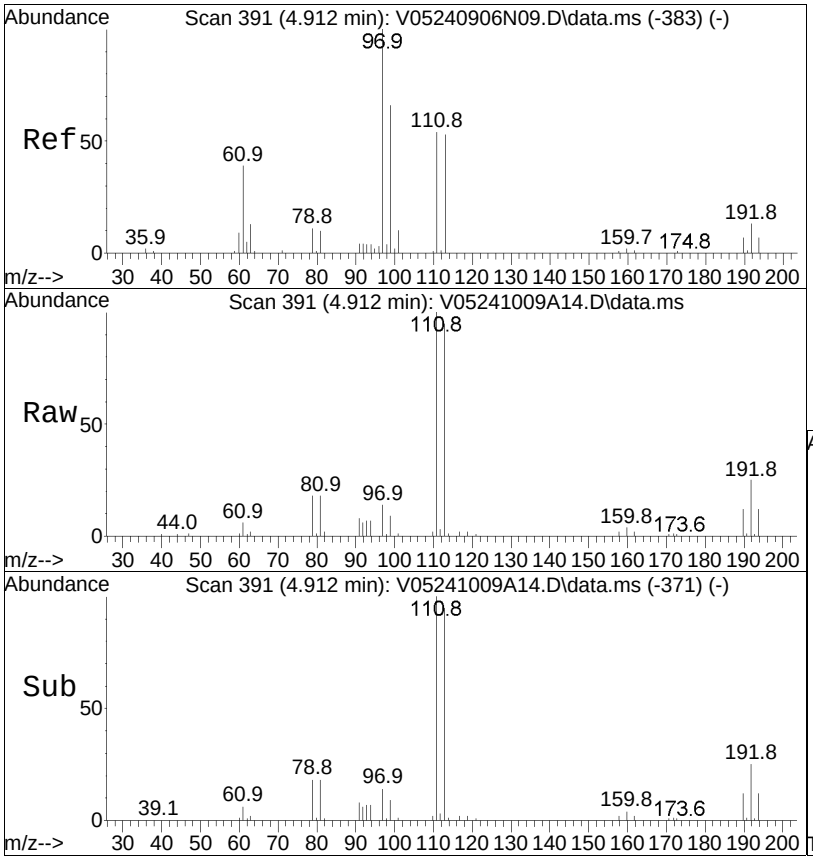


#34
Carbon tetrachloride
Concen: 0.22 ug/L
RT: 4.843 min Scan# 384
Delta R.T. 0.000 min
Lab File: V05241009A14.D
Acq: 9 Oct 2024 12:08 pm

Tgt Ion:117 Resp: 4080

Ion	Ratio	Lower	Upper
117	100		
119	99.5	63.6	132.2
121	34.7	19.8	41.0
82	26.1	15.9	32.9

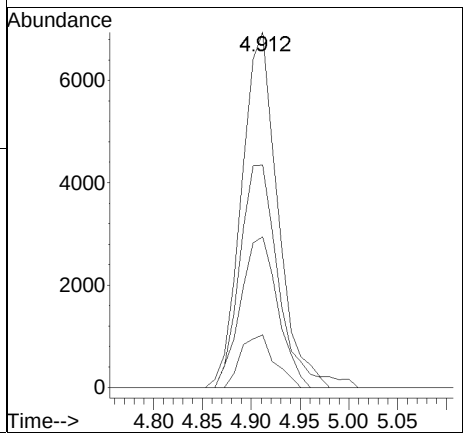


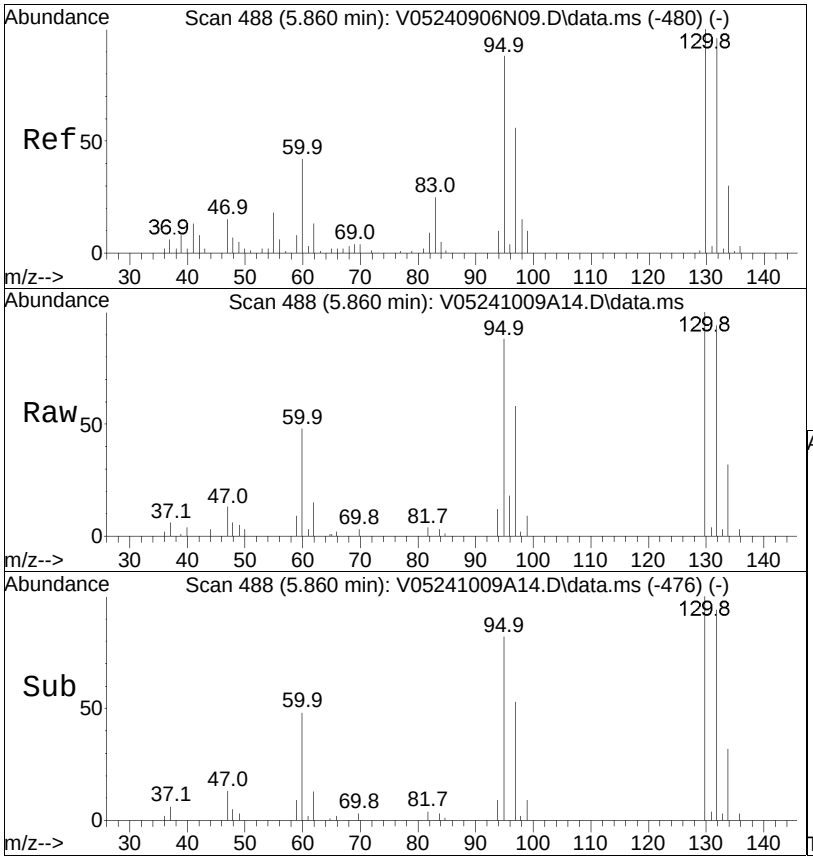


#37
1,1,1-Trichloroethane
Concen: 0.90 ug/L
RT: 4.912 min Scan# 391
Delta R.T. -0.000 min
Lab File: V05241009A14.D
Acq: 9 Oct 2024 12:08 pm

Tgt Ion: 97 Resp: 18176

Ion	Ratio	Lower	Upper
97	100		
99	64.6	41.7	86.5
61	43.1	26.1	54.3
63	13.5	8.5	17.6

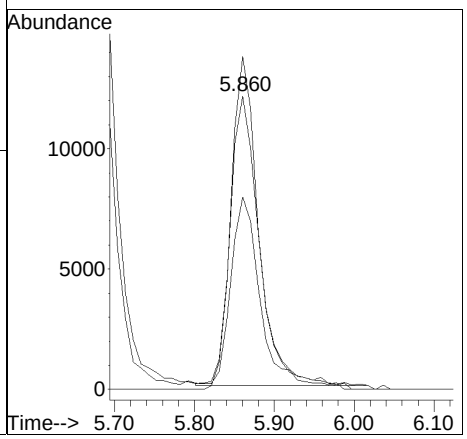


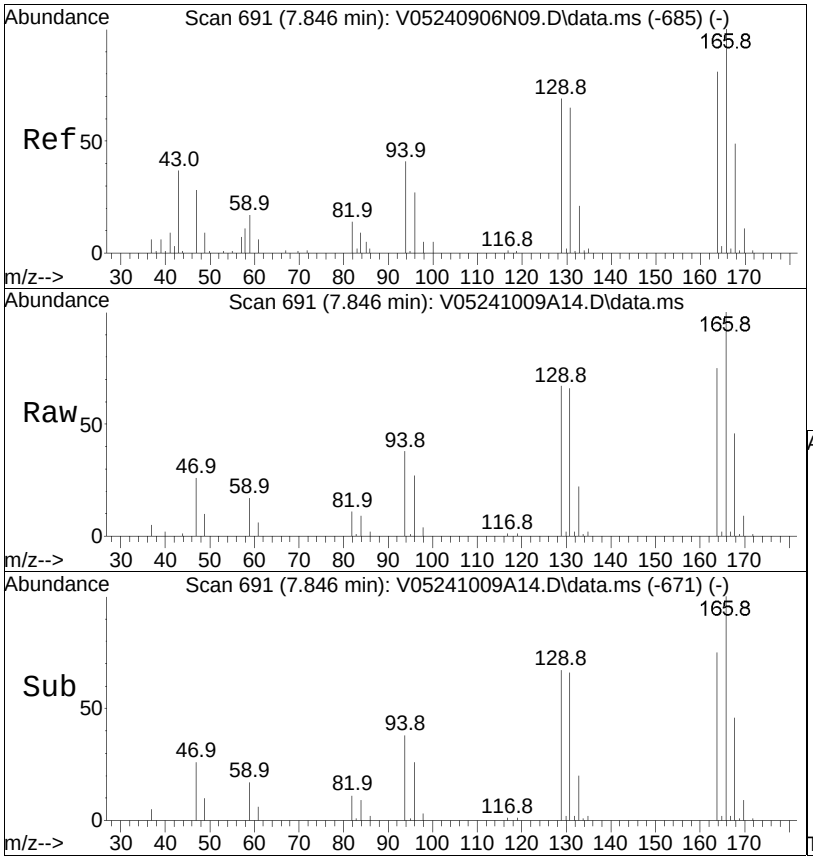


#48
Trichloroethene
Concen: 2.31 ug/L
RT: 5.860 min Scan# 488
Delta R.T. 0.000 min
Lab File: V05241009A14.D
Acq: 9 Oct 2024 12:08 pm

Tgt Ion: 95 Resp: 30368

Ion	Ratio	Lower	Upper
95	100		
97	69.5	56.1	84.1
130	113.3	77.7	116.5

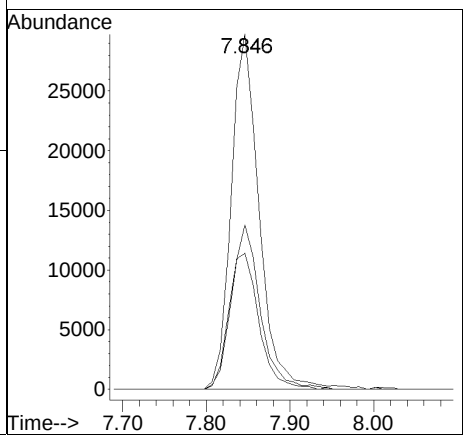




#63
Tetrachloroethene
Concen: 4.65 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241009A14.D
Acq: 9 Oct 2024 12:08 pm

Tgt Ion:166 Resp: 69521

Ion	Ratio	Lower	Upper
166	100		
168	47.7	30.2	70.2
94	41.3	32.5	72.5



Manual Integration Report

Data Path	: K:\VOA105\2024\241009A\	QMethod	: V105_240906N_8260.m
Data File	: V05241009A14.D	Operator	: VOA105:MJV
Date Inj'd	: 10/9/2024 12:08 pm	Instrument	: VOA105
Sample	: l2457484-01,31,10,10,,a	Quant Date	: 10/10/2024 9:36 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A15.D
Acq On : 9 Oct 2024 12:33 pm
Operator : VOA105:MJV
Sample : l2457484-02,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 10 09:46:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	506797	10.000	ug/L	0.00
Standard Area 1 = 452753			Recovery = 111.94%			
59) Chlorobenzene-d5	9.177	117	392968	10.000	ug/L	0.00
Standard Area 1 = 351916			Recovery = 111.67%			
79) 1,4-Dichlorobenzene-d4	11.949	152	231099	10.000	ug/L	0.00
Standard Area 1 = 226621			Recovery = 101.98%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	144687	10.216	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.16%			
43) 1,2-Dichloroethane-d4	5.411	65	160965	10.993	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.93%			
60) Toluene-d8	7.347	98	475192	10.012	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.12%			
83) 4-Bromofluorobenzene	10.715	95	178805	11.151	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.342	85	791	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.026	94	694	0.114	ug/L	97
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	2.261	101	715	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.731	76	436	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.435	43	108	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	3.963	63	1855	0.092	ug/L #	79
28) cis-1,2-Dichloroethene	4.472	96	69835	5.590	ug/L	96
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.726	83	25451	1.212	ug/L	96
34) Carbon tetrachloride	4.843	117	3188	0.177	ug/L	94

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A15.D
Acq On : 9 Oct 2024 12:33 pm
Operator : VOA105:MJV
Sample : l2457484-02,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 10 09:46:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	4.902	97	44947	2.296	ug/L	96
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.293	78	235	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	5.860	83	96	N.D.		
48) Trichloroethene	5.860	95	26565	2.090	ug/L	92
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	7.406	92	622	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.846	166	160631	11.035	ug/L	89
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.265	91	746	N.D.		
76) p/m Xylene	9.451	106	667	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

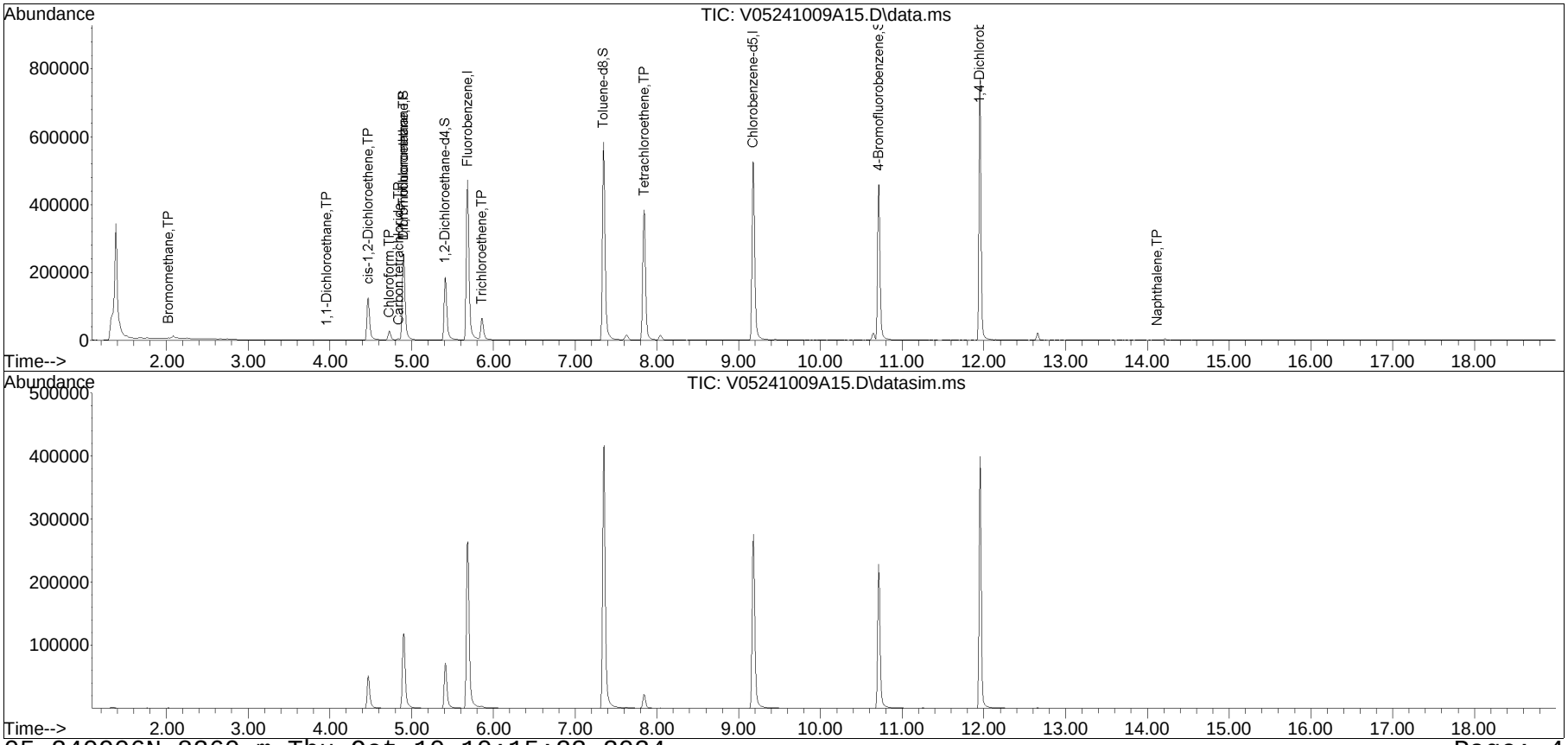
(#) = qualifier out of range (m) = manual integration (+) = signals summed

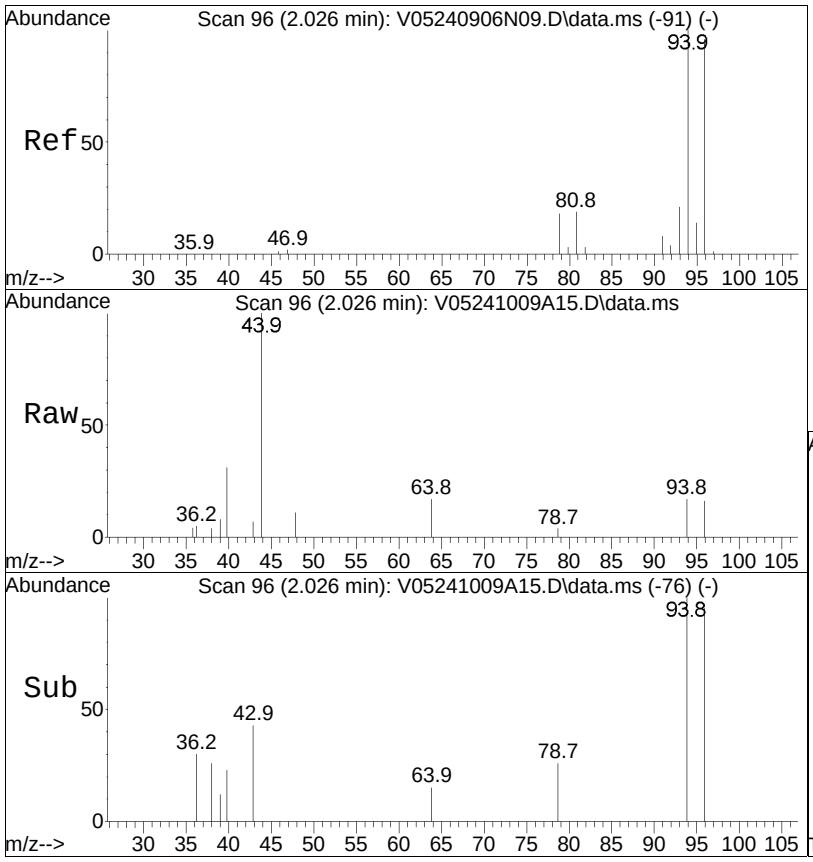
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A15.D
Acq On : 9 Oct 2024 12:33 pm
Operator : VOA105:MJV
Sample : l2457484-02,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 10 09:46:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1009A01.D•

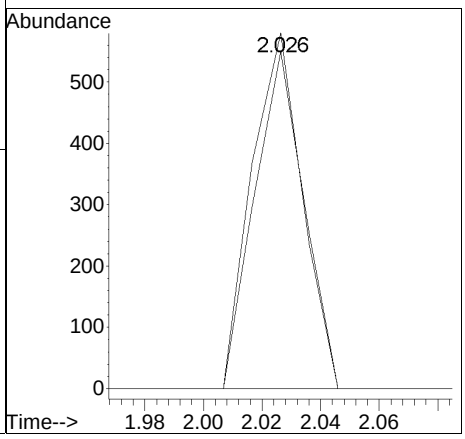


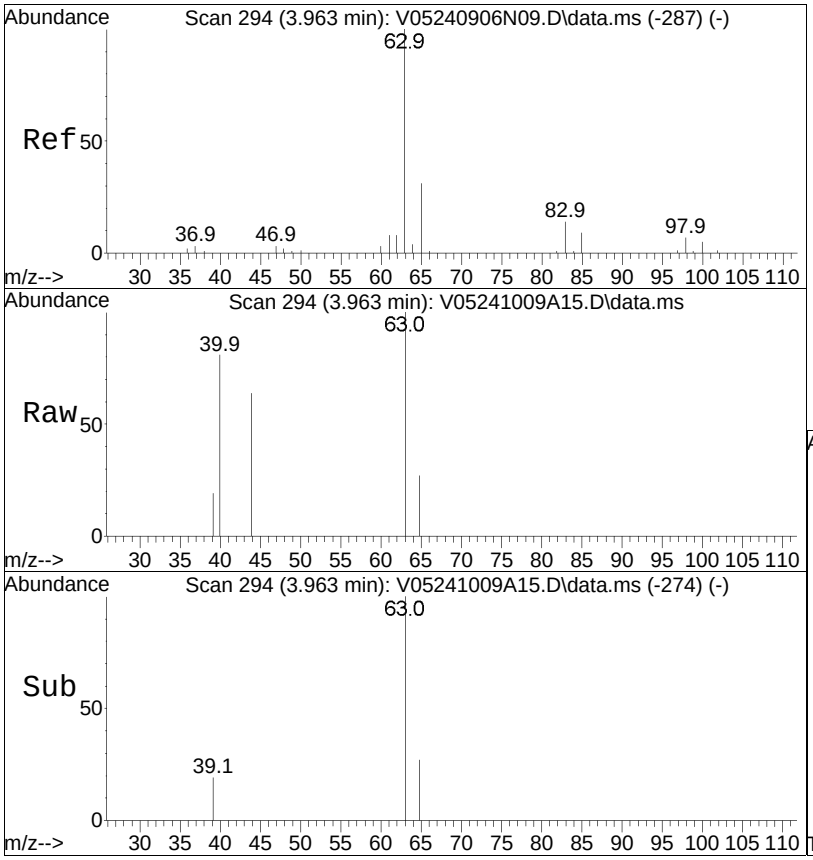


#5
Bromomethane
Concen: 0.11 ug/L
RT: 2.026 min Scan# 96
Delta R.T. 0.000 min
Lab File: V05241009A15.D
Acq: 9 Oct 2024 12:33 pm

Tgt Ion: 94 Resp: 694

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.4	115.4

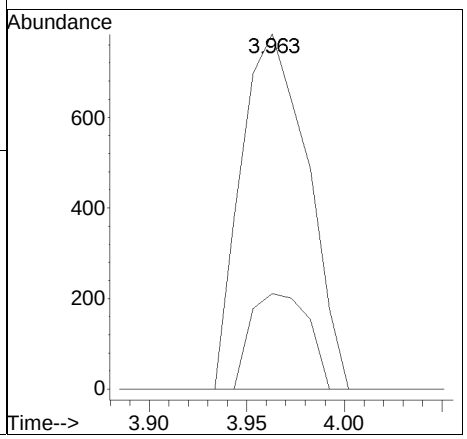


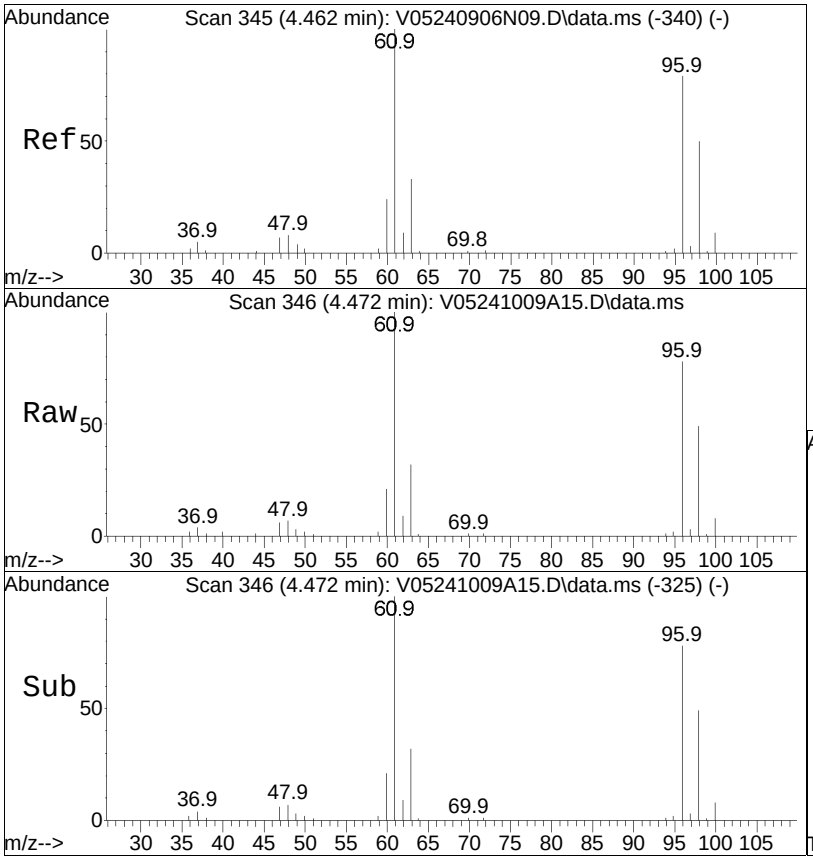


#23
1,1-Dichloroethane
Concen: 0.09 ug/L
RT: 3.963 min Scan# 294
Delta R.T. -0.000 min
Lab File: V05241009A15.D
Acq: 9 Oct 2024 12:33 pm

Tgt Ion: 63 Resp: 1855

Ion	Ratio	Lower	Upper
63	100		
65	23.6	11.9	51.9
83	0.0	0.0	34.2

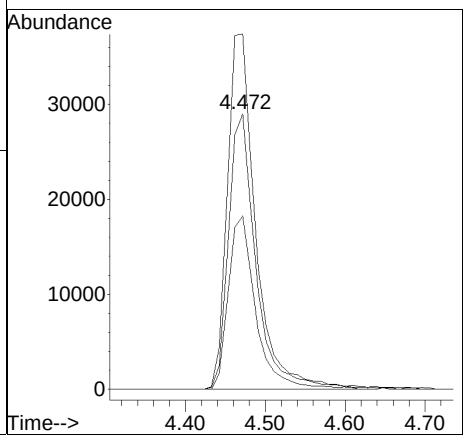


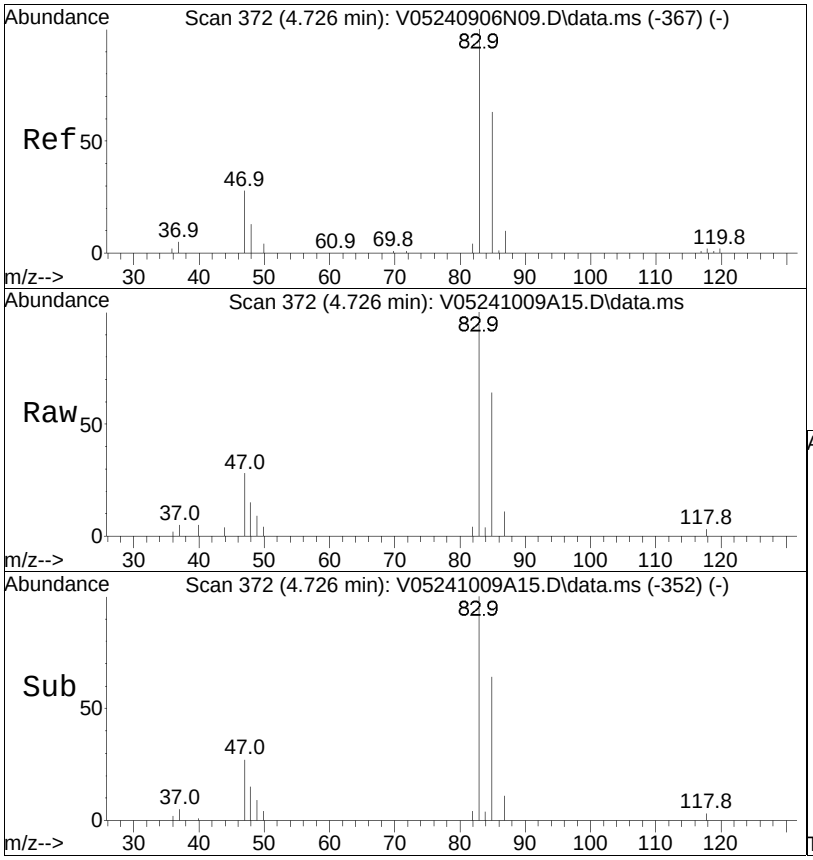


#28
cis-1,2-Dichloroethene
Concen: 5.59 ug/L
RT: 4.472 min Scan# 346
Delta R.T. 0.010 min
Lab File: V05241009A15.D
Acq: 9 Oct 2024 12:33 pm

Tgt Ion: 96 Resp: 69835

Ion	Ratio	Lower	Upper
96	100		
61	132.9	100.5	150.7
98	62.8	49.8	74.8

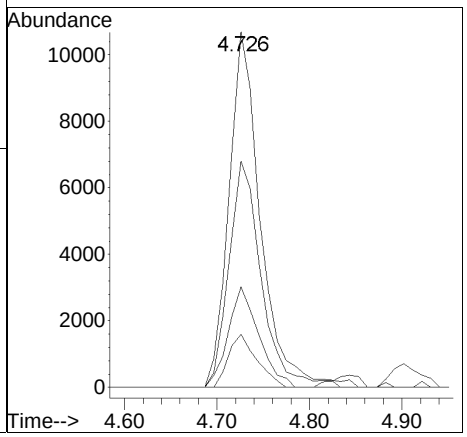


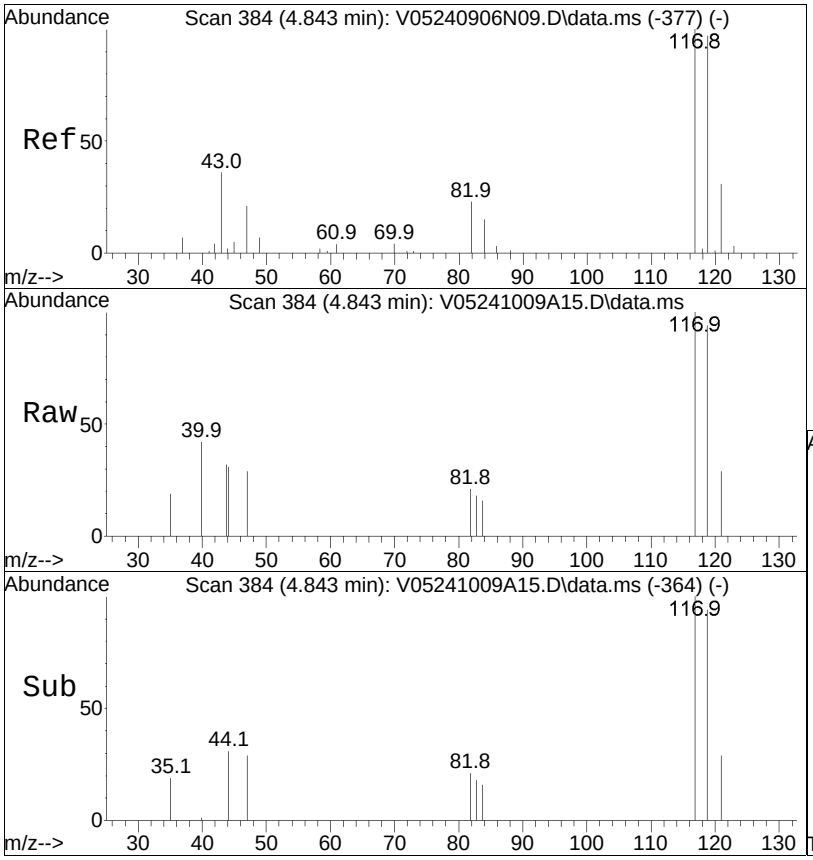


#32
Chloroform
Concen: 1.21 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241009A15.D
Acq: 9 Oct 2024 12:33 pm

Tgt Ion: 83 Resp: 25451

Ion	Ratio	Lower	Upper
83	100		
85	65.4	42.8	89.0
47	27.4	13.7	28.4
48	13.4	6.9	14.3

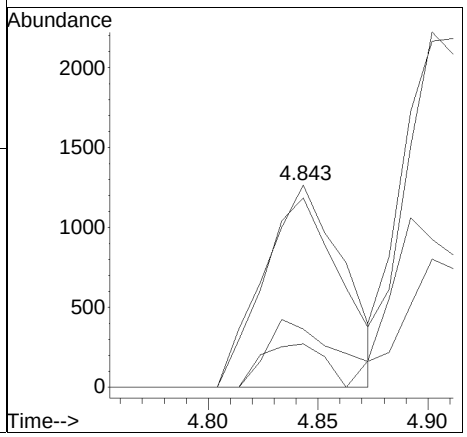


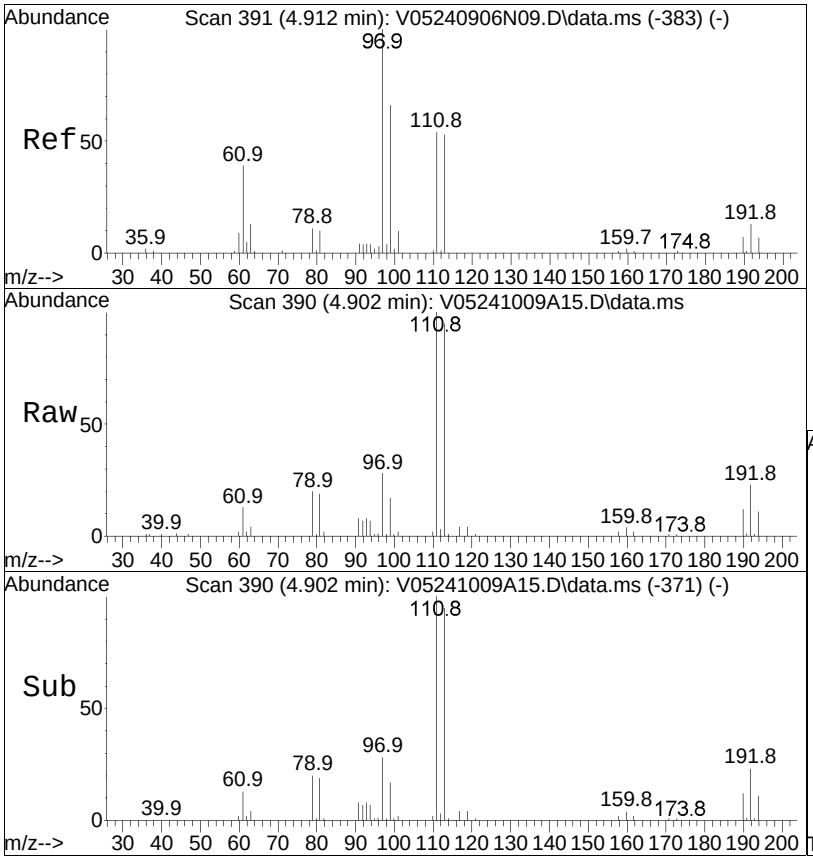


#34
Carbon tetrachloride
Concen: 0.18 ug/L
RT: 4.843 min Scan# 384
Delta R.T. 0.000 min
Lab File: V05241009A15.D
Acq: 9 Oct 2024 12:33 pm

Tgt Ion:117 Resp: 3188

Ion	Ratio	Lower	Upper
117	100		
119	92.5	63.6	132.2
121	29.2	19.8	41.0
82	17.0	15.9	32.9

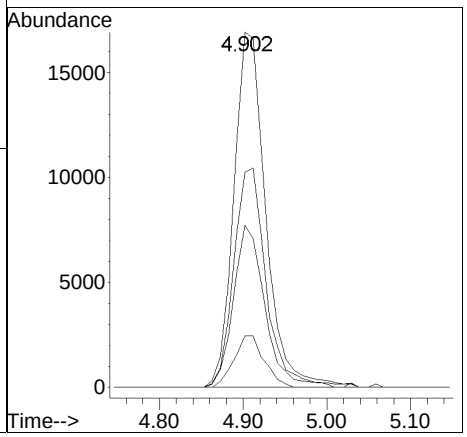


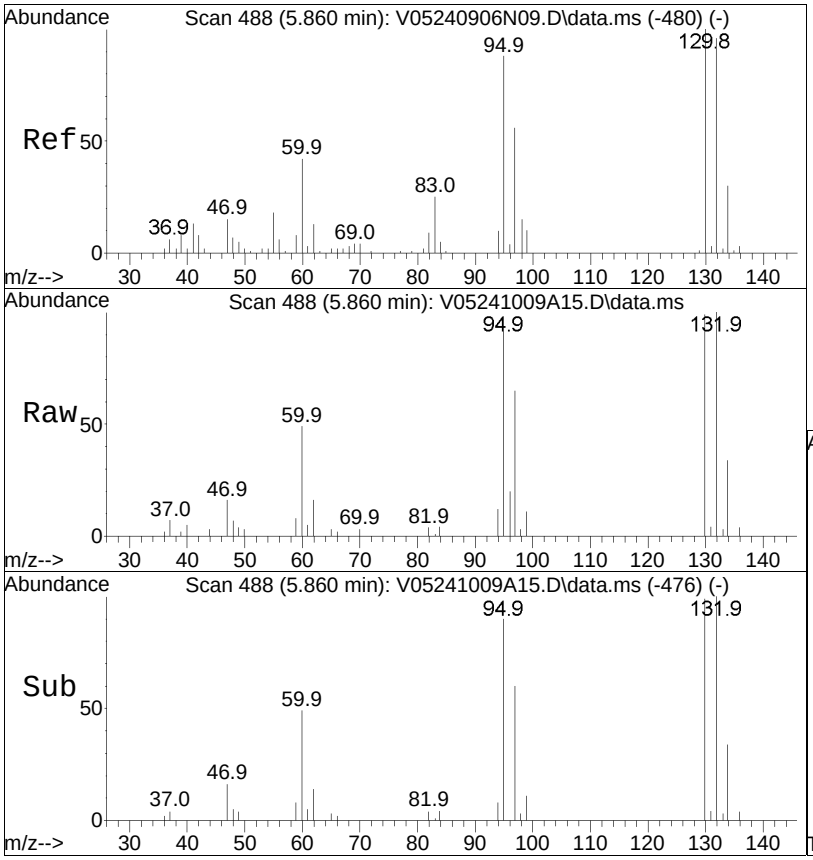


#37
1,1,1-Trichloroethane
Concen: 2.30 ug/L
RT: 4.902 min Scan# 390
Delta R.T. -0.010 min
Lab File: V05241009A15.D
Acq: 9 Oct 2024 12:33 pm

Tgt Ion: 97 Resp: 44947

Ion	Ratio	Lower	Upper
97	100		
99	62.8	41.7	86.5
61	45.1	26.1	54.3
63	13.8	8.5	17.6

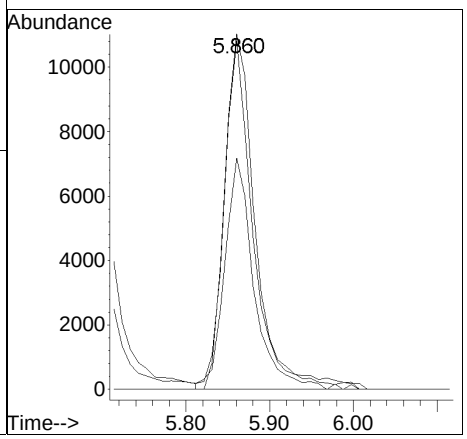


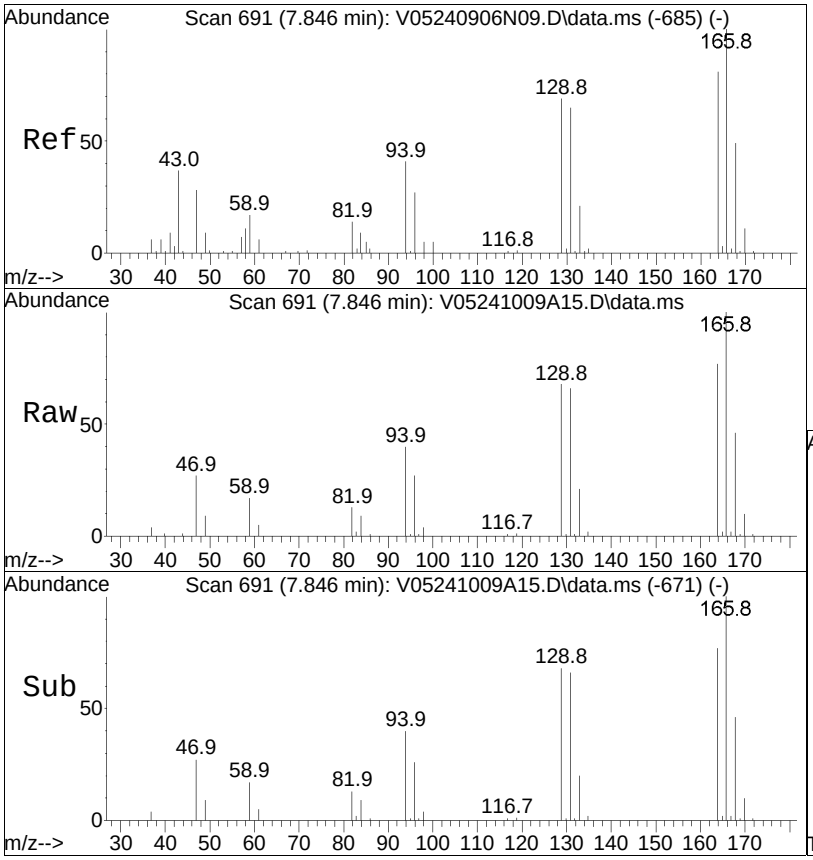


#48
Trichloroethene
Concen: 2.09 ug/L
RT: 5.860 min Scan# 488
Delta R.T. 0.000 min
Lab File: V05241009A15.D
Acq: 9 Oct 2024 12:33 pm

Tgt Ion: 95 Resp: 26565

Ion	Ratio	Lower	Upper
95	100		
97	65.8	56.1	84.1
130	106.1	77.7	116.5

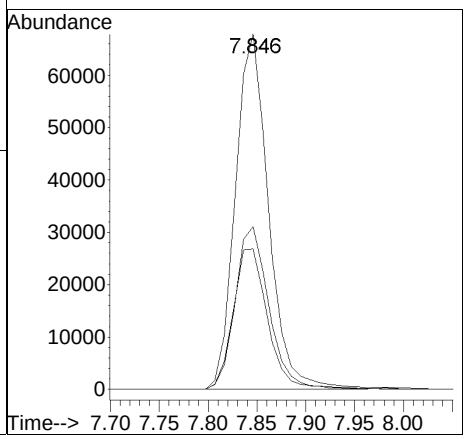




#63
Tetrachloroethene
Concen: 11.03 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241009A15.D
Acq: 9 Oct 2024 12:33 pm

Tgt Ion:166 Resp: 160631

Ion	Ratio	Lower	Upper
166	100		
168	46.8	30.2	70.2
94	41.1	32.5	72.5



Manual Integration Report

Data Path	: K:\VOA105\2024\241009A\	QMethod	: V105_240906N_8260.m
Data File	: V05241009A15.D	Operator	: VOA105:MJV
Date Inj'd	: 10/9/2024 12:33 pm	Instrument	: VOA105
Sample	: l2457484-02,31,10,10,,a	Quant Date	: 10/10/2024 9:36 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A16.D
Acq On : 9 Oct 2024 12:59 pm
Operator : VOA105:MJV
Sample : l2457484-03,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 10 09:46:52 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	478779	10.000 ug/L	0.00
Standard Area 1 = 452753			Recovery = 105.75%		
59) Chlorobenzene-d5	9.177	117	374676	10.000 ug/L	0.00
Standard Area 1 = 351916			Recovery = 106.47%		
79) 1,4-Dichlorobenzene-d4	11.949	152	219399	10.000 ug/L	0.00
Standard Area 1 = 226621			Recovery = 96.81%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	139547	10.429 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.29%		
43) 1,2-Dichloroethane-d4	5.411	65	152763	11.043 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.43%		
60) Toluene-d8	7.347	98	454085	10.035 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.35%		
83) 4-Bromofluorobenzene	10.715	95	169178	11.113 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.13%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.694	50	95	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	411	0.072 ug/L #	68
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.251	101	203	N.D.	
10) 1,1-Dichloroethene	2.691	96	91	N.D.	
11) Carbon disulfide	2.740	76	899	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.405	96	515	N.D.	
19) Methyl acetate	3.386	43	245	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.472	96	34586	2.930 ug/L	96
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	4.726	83	18626	0.939 ug/L #	93
34) Carbon tetrachloride	4.843	117	2292	0.135 ug/L	93

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A16.D
Acq On : 9 Oct 2024 12:59 pm
Operator : VOA105:MJV
Sample : l2457484-03,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 10 09:46:52 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	4.912	97	5457	0.295	ug/L	94
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.274	78	90	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	5.851	83	97	N.D.		
48) Trichloroethene	5.860	95	27874	2.322	ug/L	90
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.416	92	506	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.846	166	6063	0.437	ug/L	84
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	8.081	83	772	0.119	ug/L #	85
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.245	91	511	N.D.		
76) p/m Xylene	9.451	106	305	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

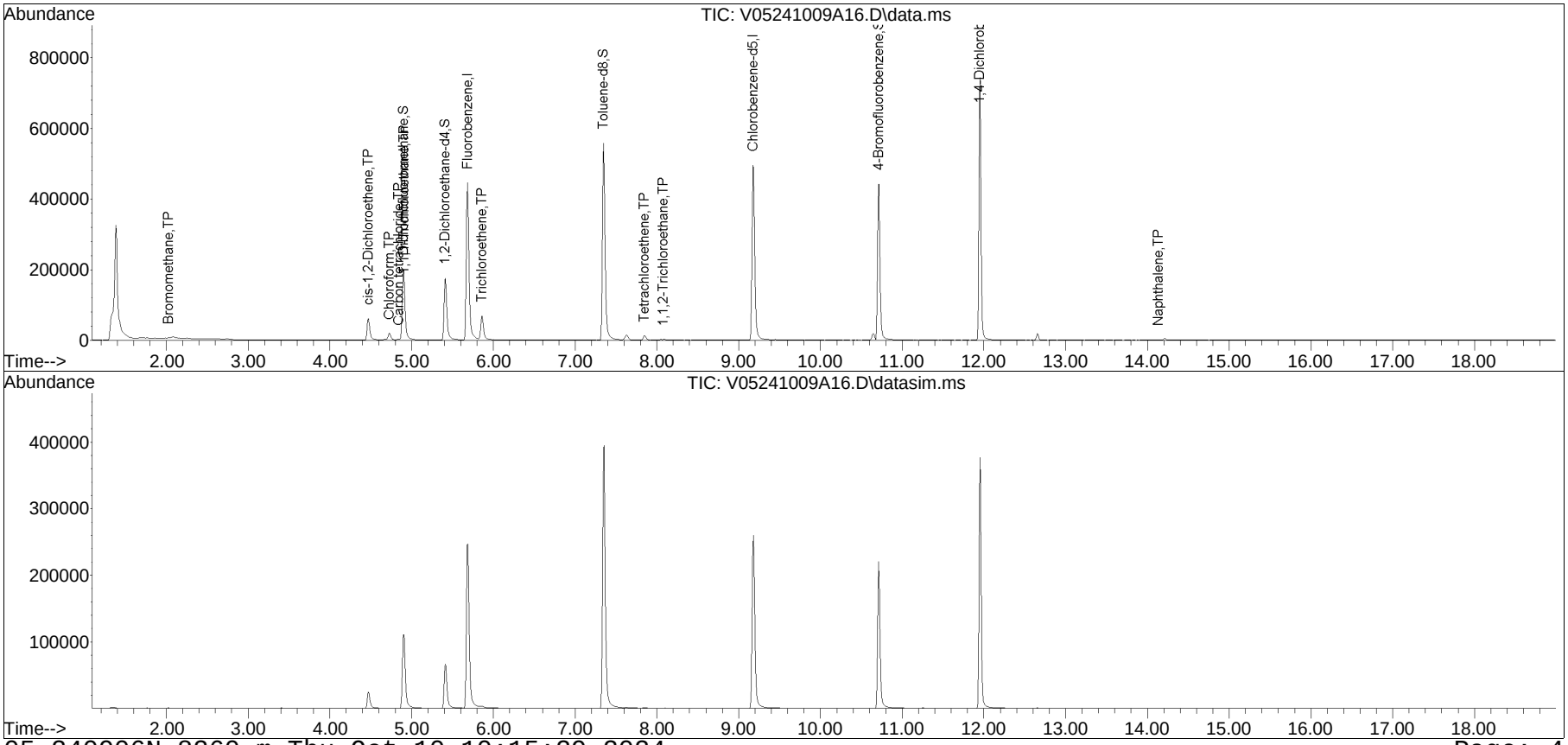
(#) = qualifier out of range (m) = manual integration (+) = signals summed

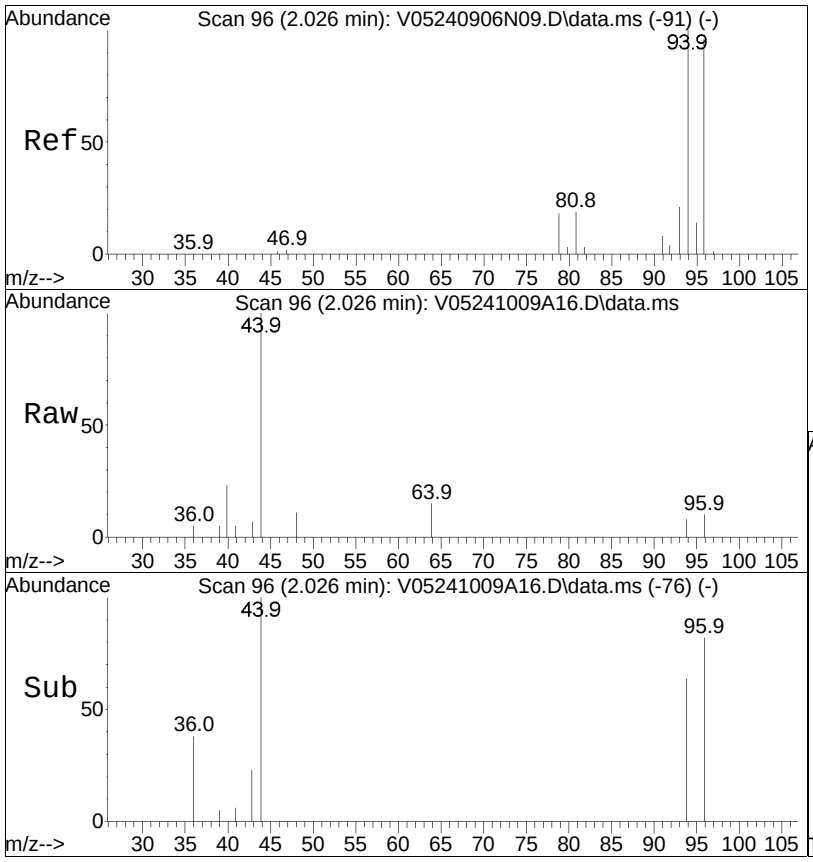
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A16.D
Acq On : 9 Oct 2024 12:59 pm
Operator : VOA105:MJV
Sample : l2457484-03,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 10 09:46:52 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1009A01.D•

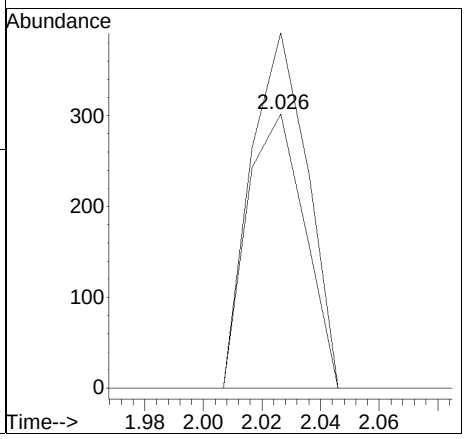


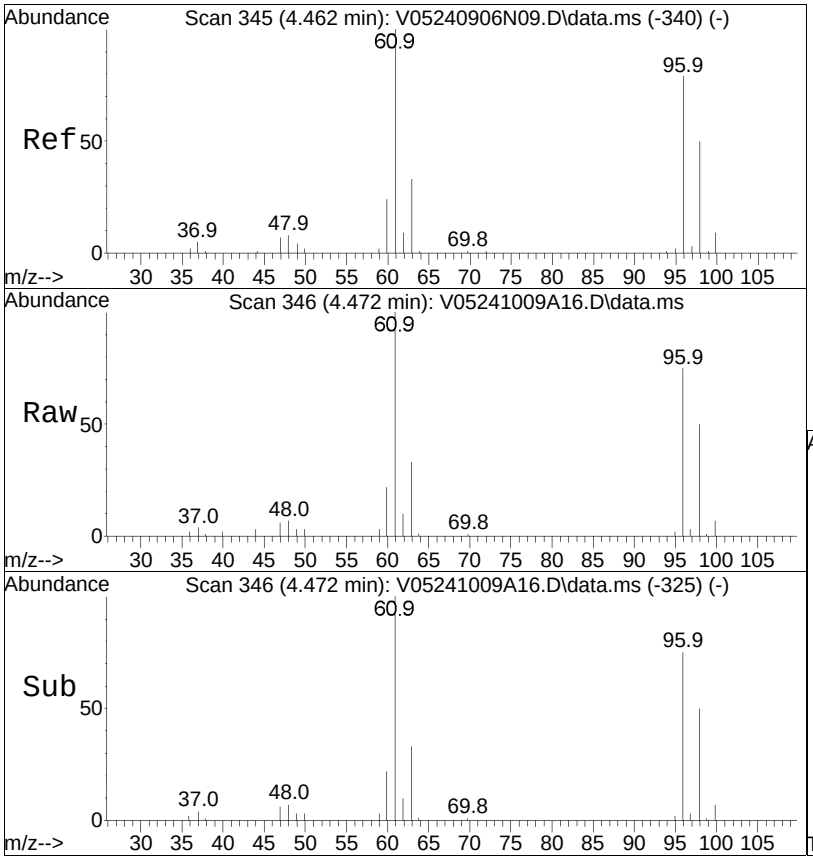


#5
Bromomethane
Concen: 0.07 ug/L
RT: 2.026 min Scan# 96
Delta R.T. 0.000 min
Lab File: V05241009A16.D
Acq: 9 Oct 2024 12:59 pm

Tgt Ion: 94 Resp: 411

Ion	Ratio	Lower	Upper
94	100		
96	127.0	75.4	115.4#

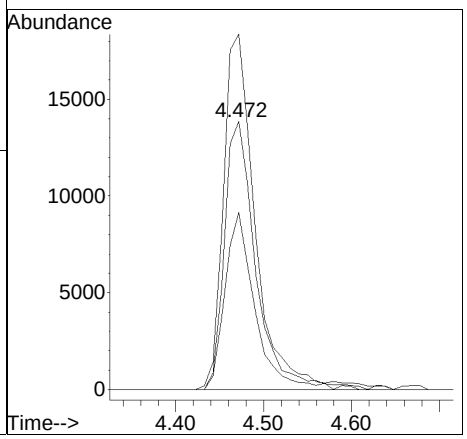


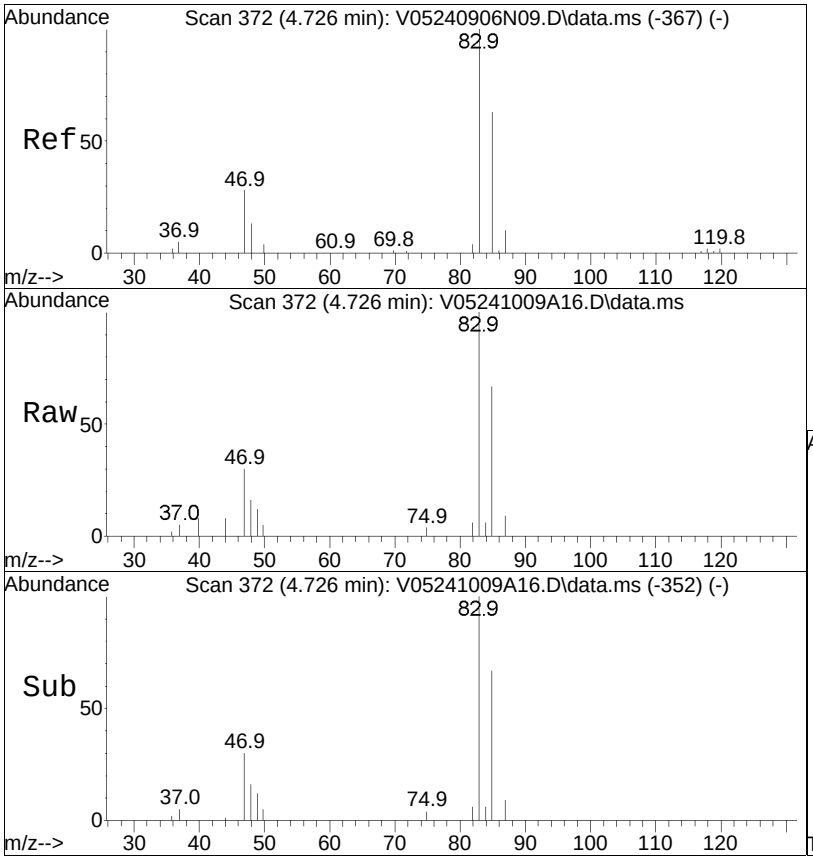


#28
cis-1,2-Dichloroethene
Concen: 2.93 ug/L
RT: 4.472 min Scan# 346
Delta R.T. 0.010 min
Lab File: V05241009A16.D
Acq: 9 Oct 2024 12:59 pm

Tgt Ion: 96 Resp: 34586

Ion	Ratio	Lower	Upper
96	100		
61	132.2	100.5	150.7
98	63.0	49.8	74.8

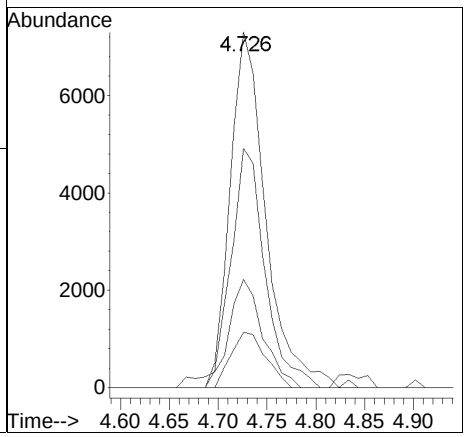


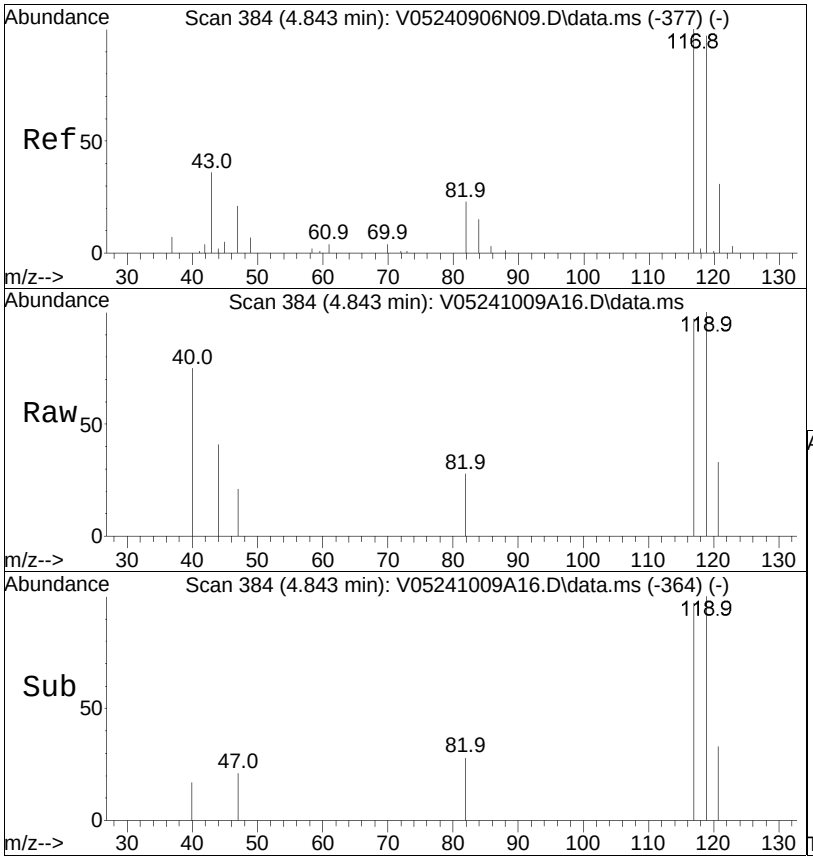


#32
Chloroform
Concen: 0.94 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241009A16.D
Acq: 9 Oct 2024 12:59 pm

Tgt Ion: 83 Resp: 18626

Ion	Ratio	Lower	Upper
83	100		
85	64.0	42.8	89.0
47	30.4	13.7	28.4#
48	15.1	6.9	14.3#

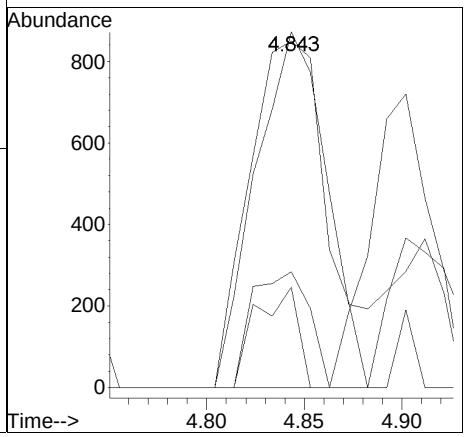


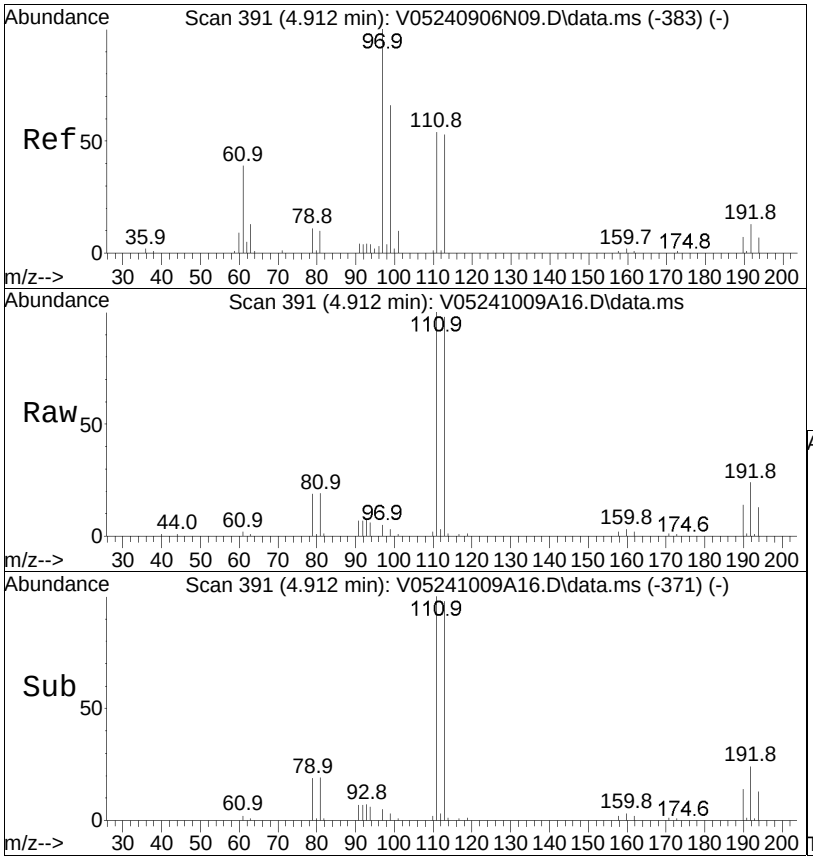


#34
Carbon tetrachloride
Concen: 0.13 ug/L
RT: 4.843 min Scan# 384
Delta R.T. 0.000 min
Lab File: V05241009A16.D
Acq: 9 Oct 2024 12:59 pm

Tgt Ion:117 Resp: 2292

Ion	Ratio	Lower	Upper
117	100		
119	101.1	63.6	132.2
121	25.1	19.8	41.0
82	16.0	15.9	32.9

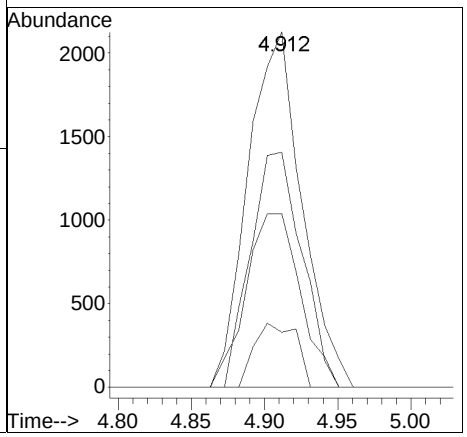


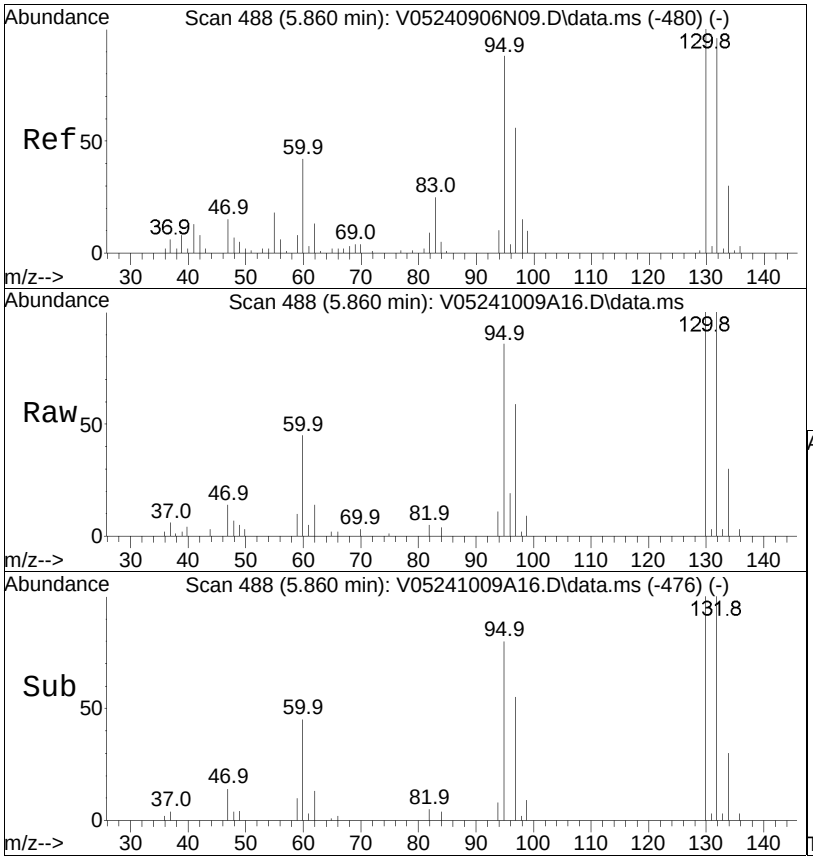


#37
1,1,1-Trichloroethane
Concen: 0.30 ug/L
RT: 4.912 min Scan# 391
Delta R.T. -0.000 min
Lab File: V05241009A16.D
Acq: 9 Oct 2024 12:59 pm

Tgt Ion: 97 Resp: 5457

Ion	Ratio	Lower	Upper
97	100		
99	63.0	41.7	86.5
61	49.3	26.1	54.3
63	14.1	8.5	17.6

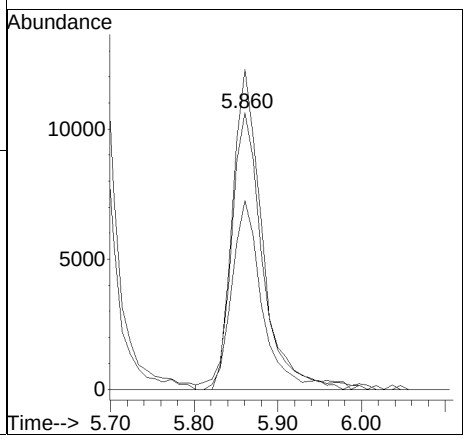


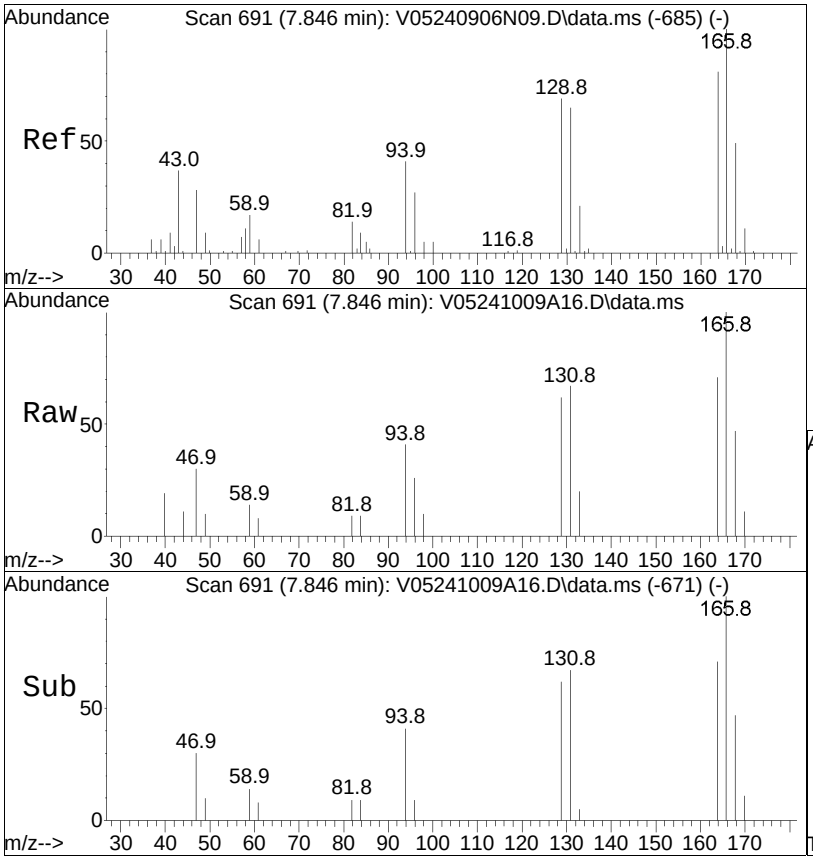


#48
Trichloroethene
Concen: 2.32 ug/L
RT: 5.860 min Scan# 488
Delta R.T. 0.000 min
Lab File: V05241009A16.D
Acq: 9 Oct 2024 12:59 pm

Tgt Ion: 95 Resp: 27874

Ion	Ratio	Lower	Upper
95	100		
97	65.8	56.1	84.1
130	110.1	77.7	116.5

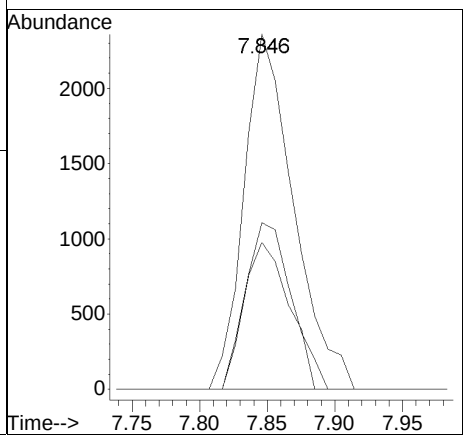


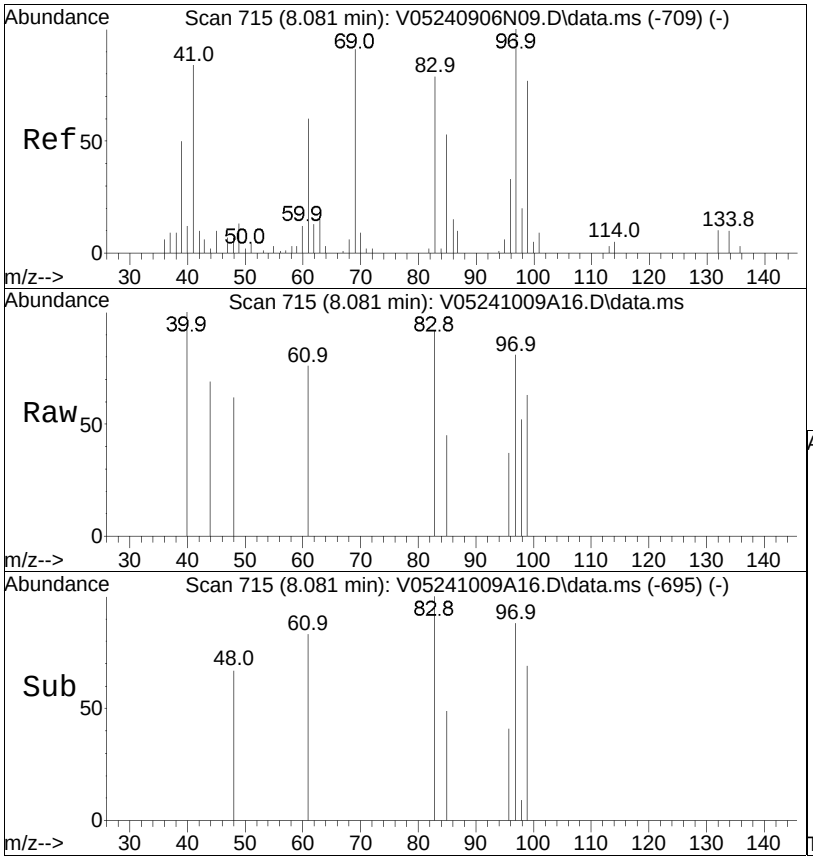


#63
Tetrachloroethene
Concen: 0.44 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241009A16.D
Acq: 9 Oct 2024 12:59 pm

Tgt Ion:166 Resp: 6063

Ion	Ratio	Lower	Upper
166	100		
168	43.8	30.2	70.2
94	37.2	32.5	72.5

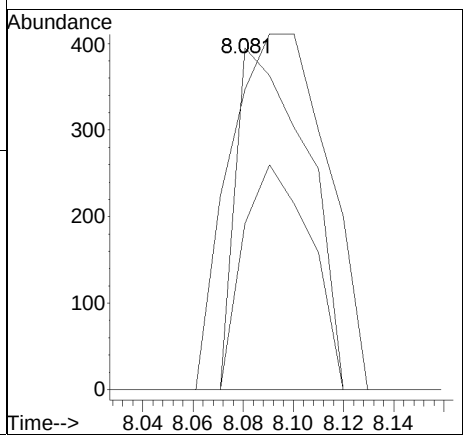




#68
1,1,2-Trichloroethane
Concen: 0.12 ug/L
RT: 8.081 min Scan# 715
Delta R.T. -0.000 min
Lab File: V05241009A16.D
Acq: 9 Oct 2024 12:59 pm

Tgt Ion: 83 Resp: 772

Ion	Ratio	Lower	Upper
83	100		
97	143.9	102.2	142.2#
85	62.7	47.5	87.5



Manual Integration Report

Data Path	: K:\VOA105\2024\241009A\	QMethod	: V105_240906N_8260.m
Data File	: V05241009A16.D	Operator	: VOA105:MJV
Date Inj'd	: 10/9/2024 12:59 pm	Instrument	: VOA105
Sample	: l2457484-03,31,10,10,,a	Quant Date	: 10/10/2024 9:36 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A17.D
Acq On : 9 Oct 2024 1:24 pm
Operator : VOA105:MJV
Sample : l2457484-04,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 10 09:47:31 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	453857	10.000 ug/L	0.00
Standard Area 1 = 452753			Recovery = 100.24%		
59) Chlorobenzene-d5	9.177	117	352709	10.000 ug/L	0.00
Standard Area 1 = 351916			Recovery = 100.23%		
79) 1,4-Dichlorobenzene-d4	11.949	152	206897	10.000 ug/L	0.00
Standard Area 1 = 226621			Recovery = 91.30%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	132484	10.445 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.45%		
43) 1,2-Dichloroethane-d4	5.410	65	142244	10.847 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.47%		
60) Toluene-d8	7.347	98	424986	9.977 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.77%		
83) 4-Bromofluorobenzene	10.715	95	157446	10.967 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.67%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.332	85	541	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	472	0.087 ug/L	88
6) Chloroethane	2.134	64	366	Below Cal #	41
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.740	76	247	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	4.726	83	11929	0.634 ug/L #	91
34) Carbon tetrachloride	4.843	117	4561	0.282 ug/L	97

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A17.D
Acq On : 9 Oct 2024 1:24 pm
Operator : VOA105:MJV
Sample : l2457484-04,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 10 09:47:31 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	4.902	97	2918	0.166	ug/L	88
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	5.851	83	369	N.D.		
48) Trichloroethene	5.860	95	43201	3.796	ug/L	88
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.846	166	16886	1.292	ug/L	90
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.177	91	695	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

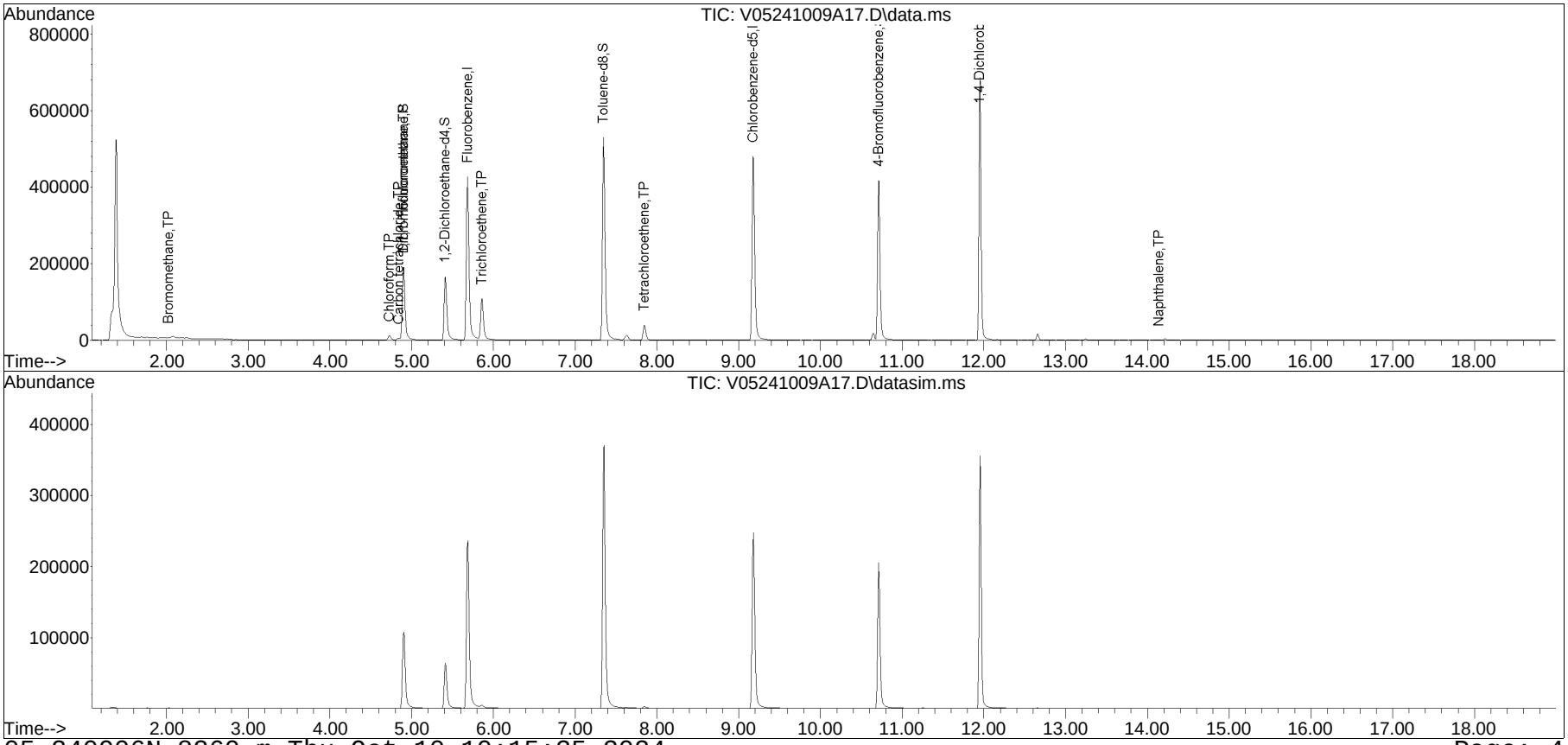
(#) = qualifier out of range (m) = manual integration (+) = signals summed

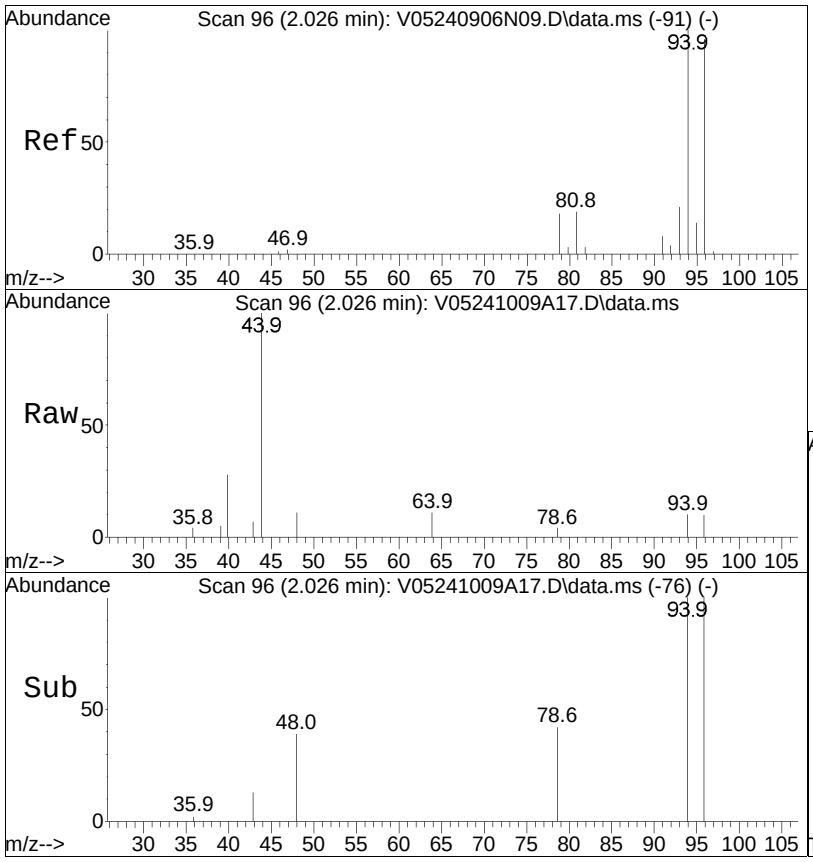
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A17.D
Acq On : 9 Oct 2024 1:24 pm
Operator : VOA105:MJV
Sample : l2457484-04,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 10 09:47:31 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1009A01.D•

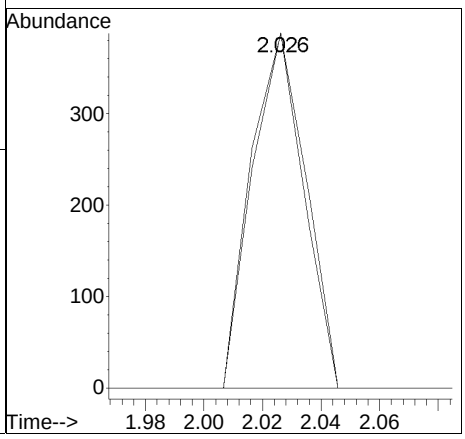


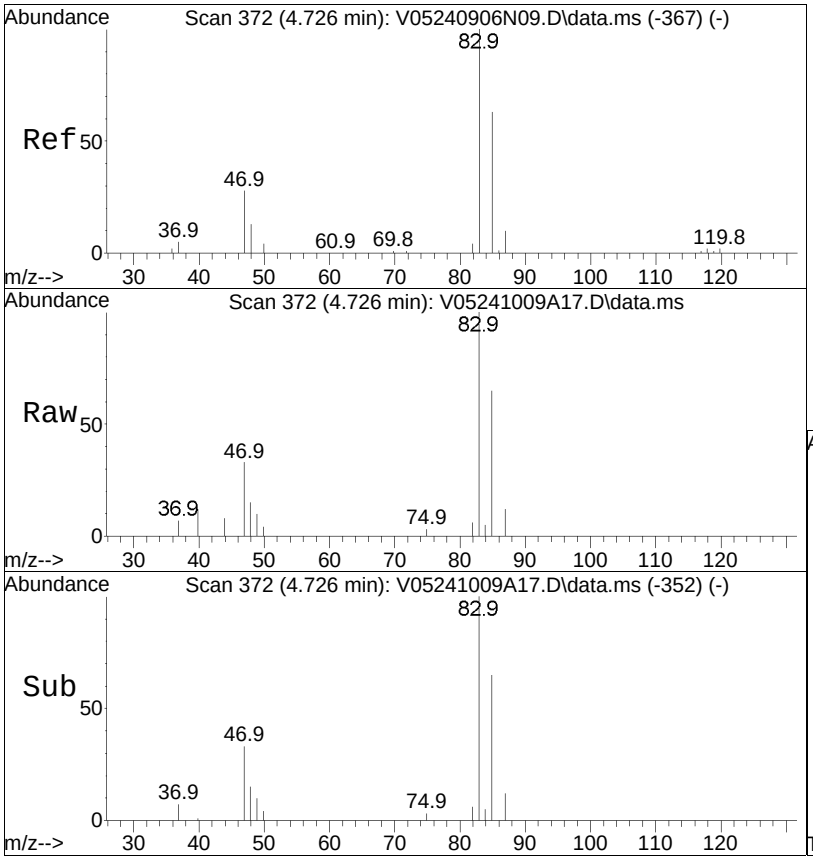


#5
Bromomethane
Concen: 0.09 ug/L
RT: 2.026 min Scan# 96
Delta R.T. 0.000 min
Lab File: V05241009A17.D
Acq: 9 Oct 2024 1:24 pm

Tgt Ion: 94 Resp: 472

Ion	Ratio	Lower	Upper
94	100		
96	107.0	75.4	115.4

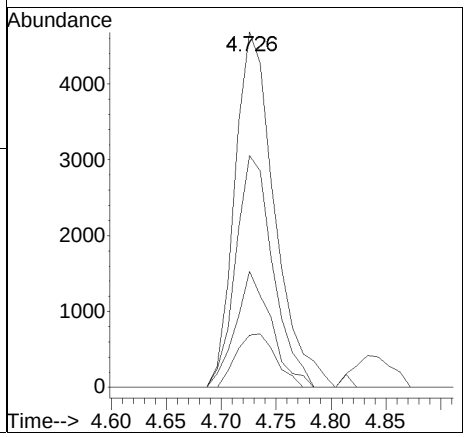


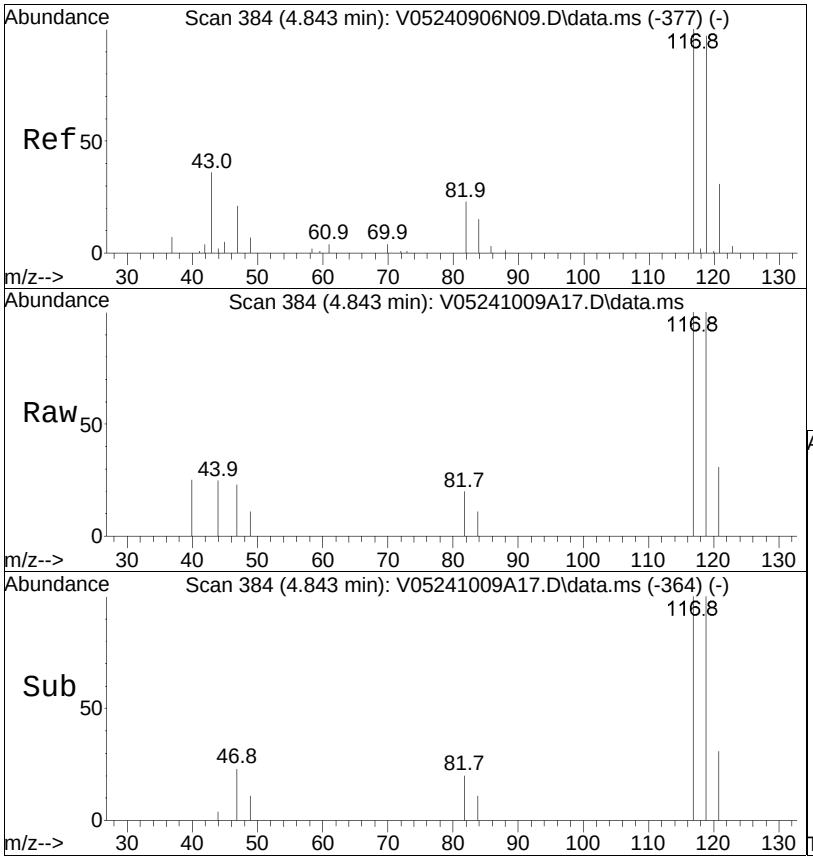


#32
Chloroform
Concen: 0.63 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241009A17.D
Acq: 9 Oct 2024 1:24 pm

Tgt Ion: 83 Resp: 11929

Ion	Ratio	Lower	Upper
83	100		
85	60.9	42.8	89.0
47	29.3	13.7	28.4#
48	15.0	6.9	14.3#

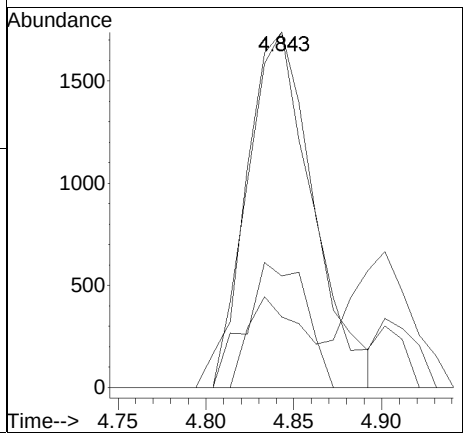


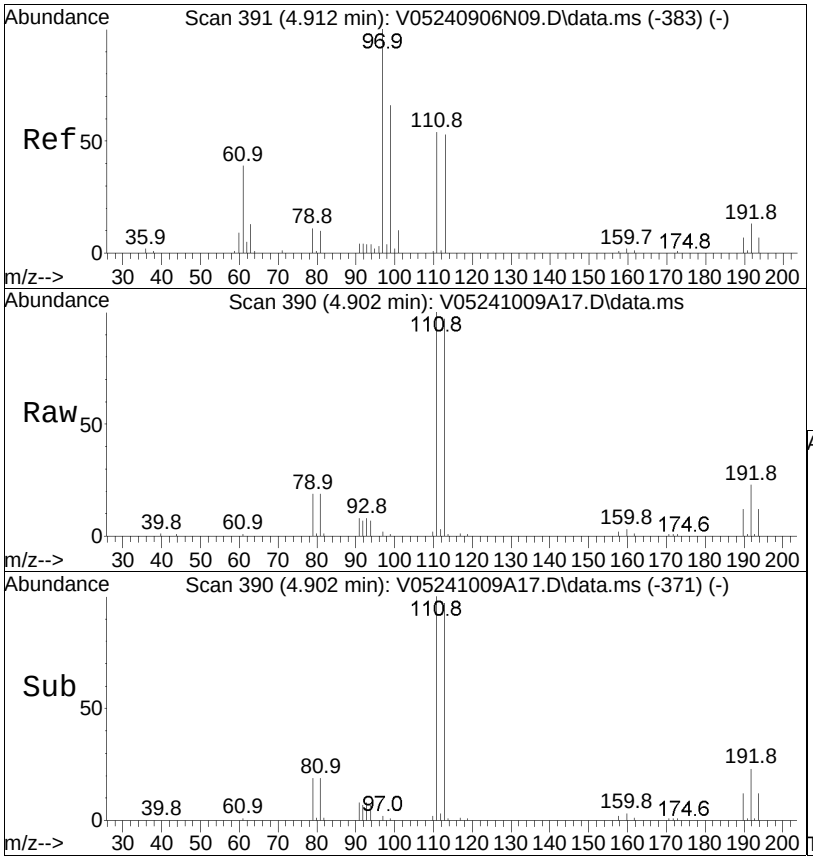


#34
Carbon tetrachloride
Concen: 0.28 ug/L
RT: 4.843 min Scan# 384
Delta R.T. 0.000 min
Lab File: V05241009A17.D
Acq: 9 Oct 2024 1:24 pm

Tgt Ion:117 Resp: 4561

Ion	Ratio	Lower	Upper
117	100		
119	100.5	63.6	132.2
121	32.0	19.8	41.0
82	20.6	15.9	32.9

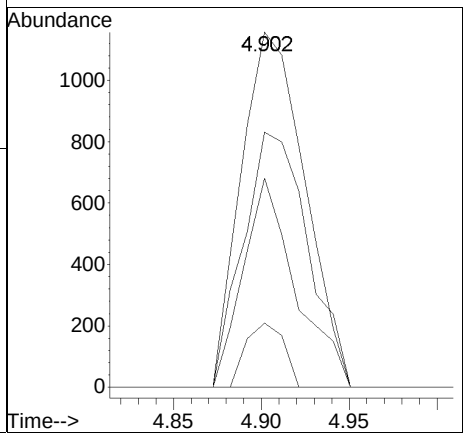


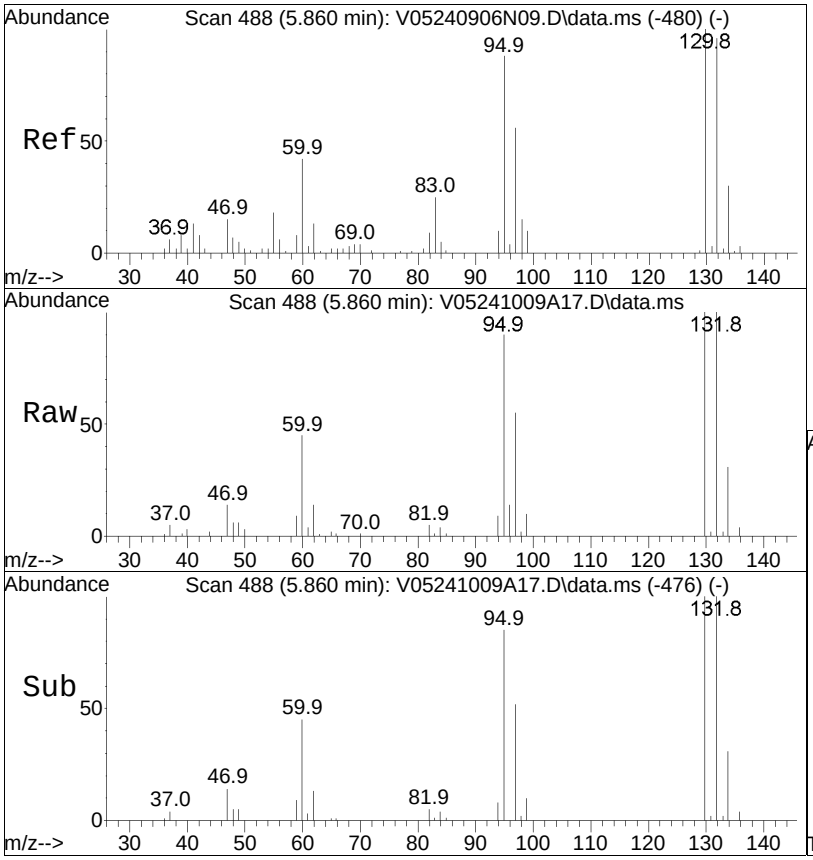


#37
1,1,1-Trichloroethane
Concen: 0.17 ug/L
RT: 4.902 min Scan# 390
Delta R.T. -0.010 min
Lab File: V05241009A17.D
Acq: 9 Oct 2024 1:24 pm

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
99	73.1	41.7	86.5
61	48.7	26.1	54.3
63	10.8	8.5	17.6

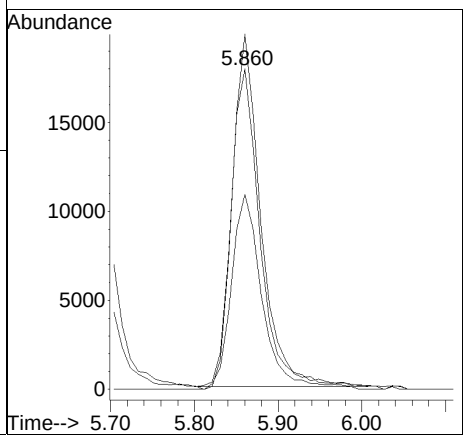


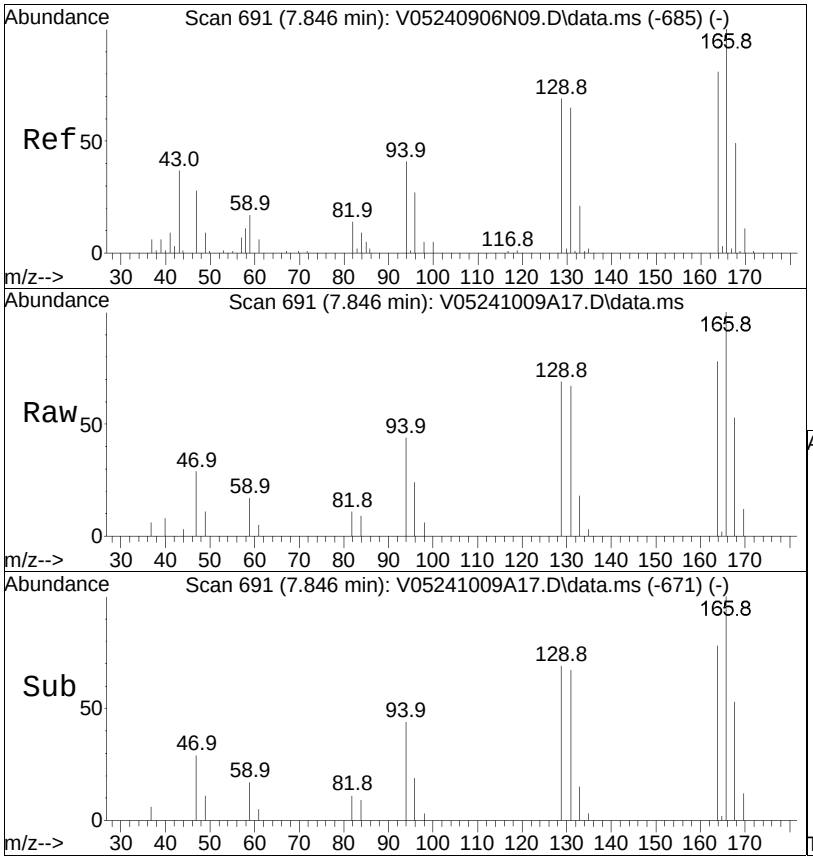


#48
Trichloroethene
Concen: 3.80 ug/L
RT: 5.860 min Scan# 488
Delta R.T. 0.000 min
Lab File: V05241009A17.D
Acq: 9 Oct 2024 1:24 pm

Tgt Ion: 95 Resp: 43201

Ion	Ratio	Lower	Upper
95	100		
97	65.0	56.1	84.1
130	112.5	77.7	116.5

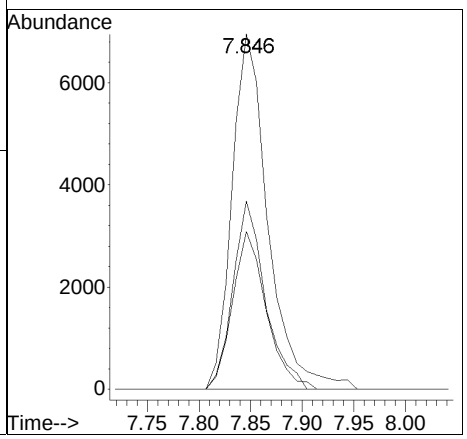




#63
Tetrachloroethene
Concen: 1.29 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241009A17.D
Acq: 9 Oct 2024 1:24 pm

Tgt Ion:166 Resp: 16886

Ion	Ratio	Lower	Upper
166	100		
168	47.5	30.2	70.2
94	41.6	32.5	72.5



Manual Integration Report

Data Path	: K:\VOA105\2024\241009A\	QMethod	: V105_240906N_8260.m
Data File	: V05241009A17.D	Operator	: VOA105:MJV
Date Inj'd	: 10/9/2024 1:24 pm	Instrument	: VOA105
Sample	: l2457484-04,31,10,10,,a	Quant Date	: 10/10/2024 9:36 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A18.D
Acq On : 9 Oct 2024 1:49 pm
Operator : VOA105:MJV
Sample : l2457484-05,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 10 10:13:23 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	433677	10.000 ug/L	0.00
Standard Area 1 = 452753			Recovery = 95.79%		
59) Chlorobenzene-d5	9.177	117	340599	10.000 ug/L	0.00
Standard Area 1 = 351916			Recovery = 96.78%		
79) 1,4-Dichlorobenzene-d4	11.949	152	203827	10.000 ug/L	0.00
Standard Area 1 = 226621			Recovery = 89.94%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	128020	10.563 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.63%		
43) 1,2-Dichloroethane-d4	5.410	65	142509	11.373 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.73%		
60) Toluene-d8	7.347	98	412220	10.021 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.21%		
83) 4-Bromofluorobenzene	10.715	95	154081	10.895 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.95%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.674	50	429	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	320	N.D.	
6) Chloroethane	2.104	64	1145	Below Cal #	41
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.740	76	293	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.337	43	3242	1.582 ug/L #	65
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.464	43	120	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A18.D
Acq On : 9 Oct 2024 1:49 pm
Operator : VOA105:MJV
Sample : l2457484-05,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 10 10:13:23 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2024\241009A\V05241009A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.	d	
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.406	92	894	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.245	91	347	N.D.		
76) p/m Xylene	9.451	106	353	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

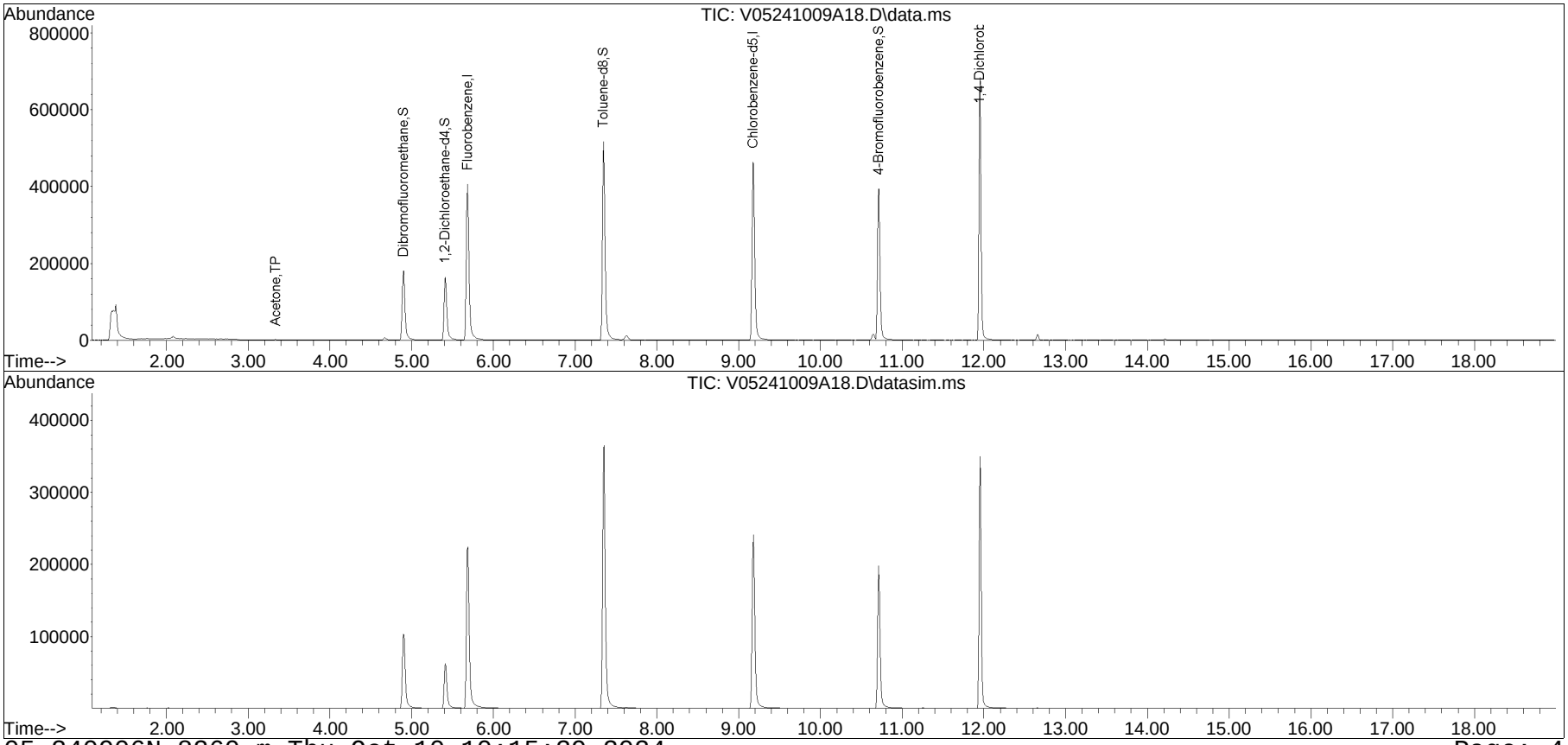
(#) = qualifier out of range (m) = manual integration (+) = signals summed

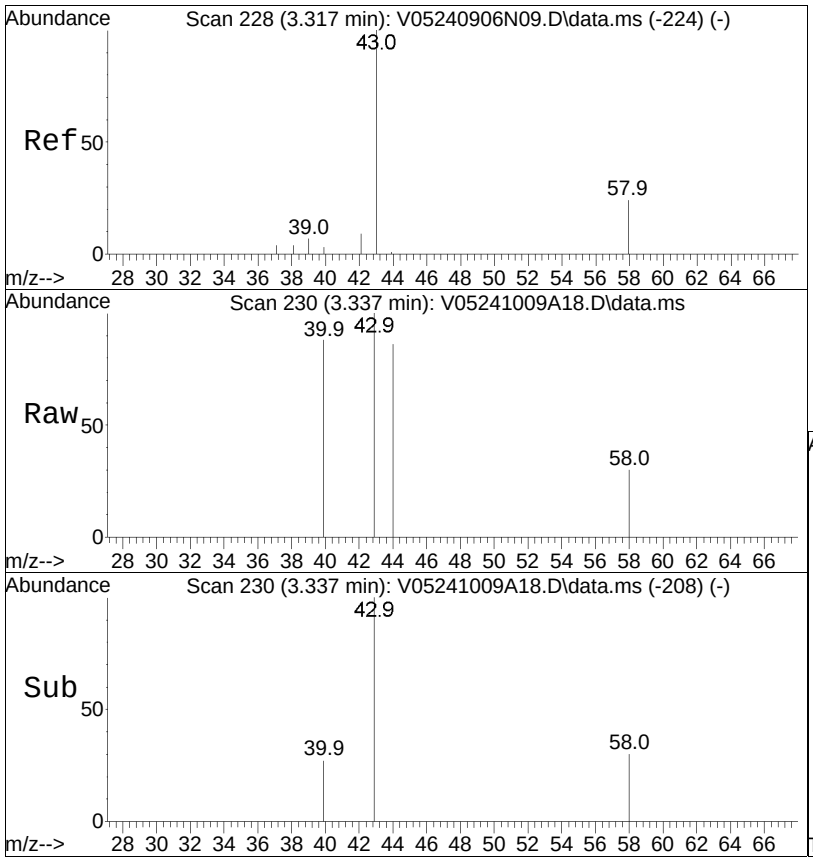
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A18.D
Acq On : 9 Oct 2024 1:49 pm
Operator : VOA105:MJV
Sample : l2457484-05,31,10,10,,a
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 10 10:13:23 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1009A01.D•

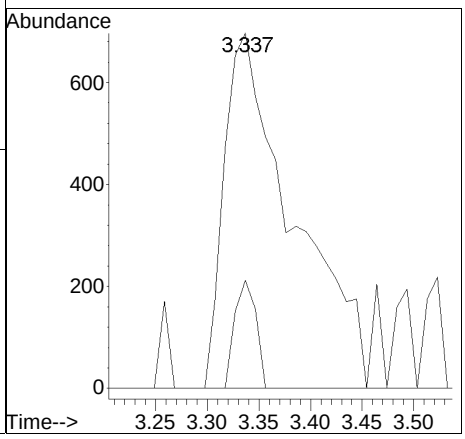




#17
Acetone
Concen: 1.58 ug/L
RT: 3.337 min Scan# 230
Delta R.T. 0.020 min
Lab File: V05241009A18.D
Acq: 9 Oct 2024 1:49 pm

Tgt Ion: 43 Resp: 3242

Ion	Ratio	Lower	Upper
43	100		
58	9.4	22.0	33.0#



Manual Integration Report

Data Path	: K:\VOA105\2024\241009A\	QMethod	: V105_240906N_8260.m
Data File	: V05241009A18.D	Operator	: VOA105:MJV
Date Inj'd	: 10/9/2024 1:49 pm	Instrument	: VOA105
Sample	: l2457484-05,31,10,10,,a	Quant Date	: 10/10/2024 9:36 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2457484**
Project Name	**: FORMER ANSCO CAMERA FACTORY**	**Project Number**	**: U35.003.011**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21466**
Calibration dates	**: 09/06/24 17:39 09/06/24 21:53**		

Calibration Files

L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D

L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

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

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2457484**
Project Name	**: FORMER ANSCO CAMERA FACTORY**	**Project Number**	**: U35.003.011**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21466**
Calibration dates	**: 09/06/24 17:39 09/06/24 21:53**		

Calibration Files

L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D

L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

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

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2457484**
Project Name	**: FORMER ANSCO CAMERA FACTORY**	**Project Number**	**: U35.003.011**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21466**
Calibration dates	**: 09/06/24 17:39 09/06/24 21:53**		

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

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

Response Factor Report VOA105

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

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

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

Response Factor Report VOA105

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

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

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

Response Factor Report VOA105

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

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

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

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

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

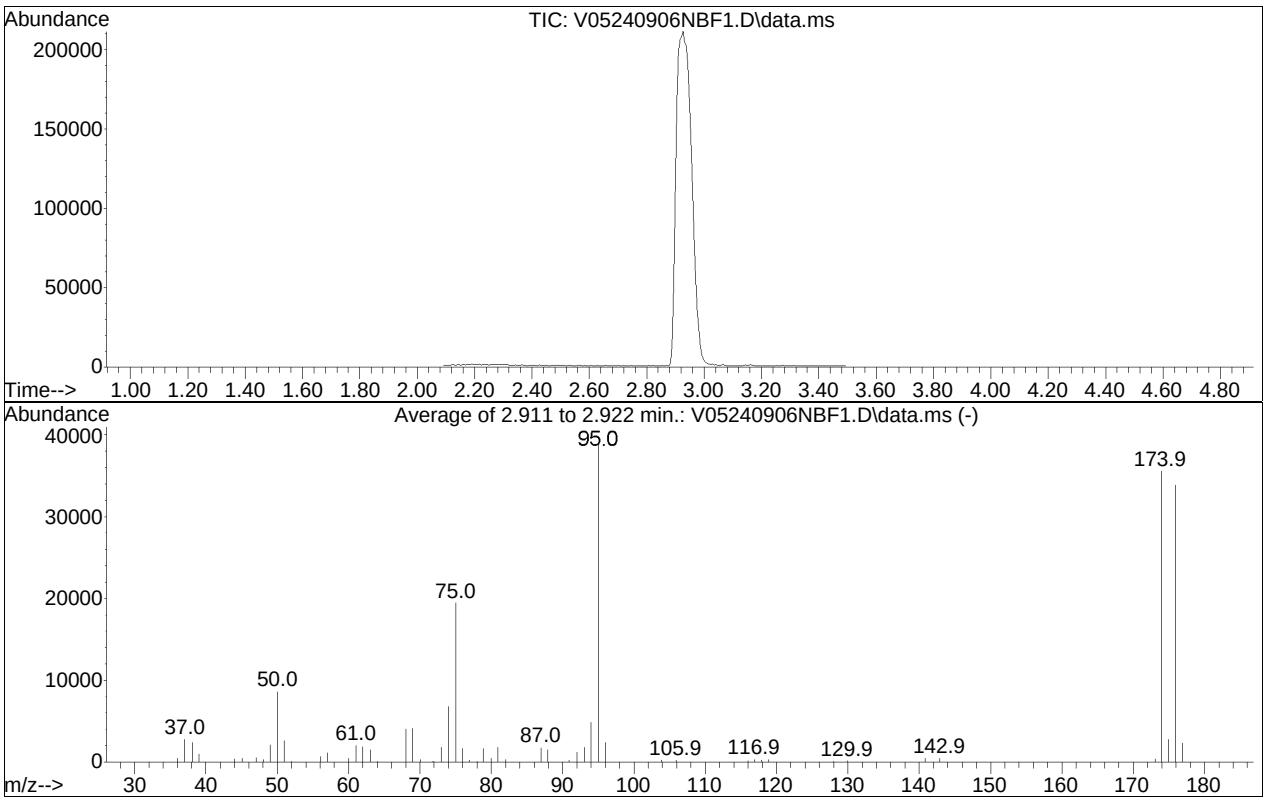
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.259	0.295	0.326	0.331	0.355	0.340	0.346	0.322	10.44	
109)	TP 1,2,4-Trichlor...	0.562	0.645	0.733	0.763	0.808	0.781	0.776	0.724	12.25	
110)	TP Naphthalene	0.761	0.993	1.275	1.397	1.536	1.557	1.506	*L	0.9988	
111)	TP 1,2,3-Trichlor...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

(#) = Out of Range

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

Integration File: rteint.p

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



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

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

Quantitation Report (QT Reviewed)

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

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

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

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

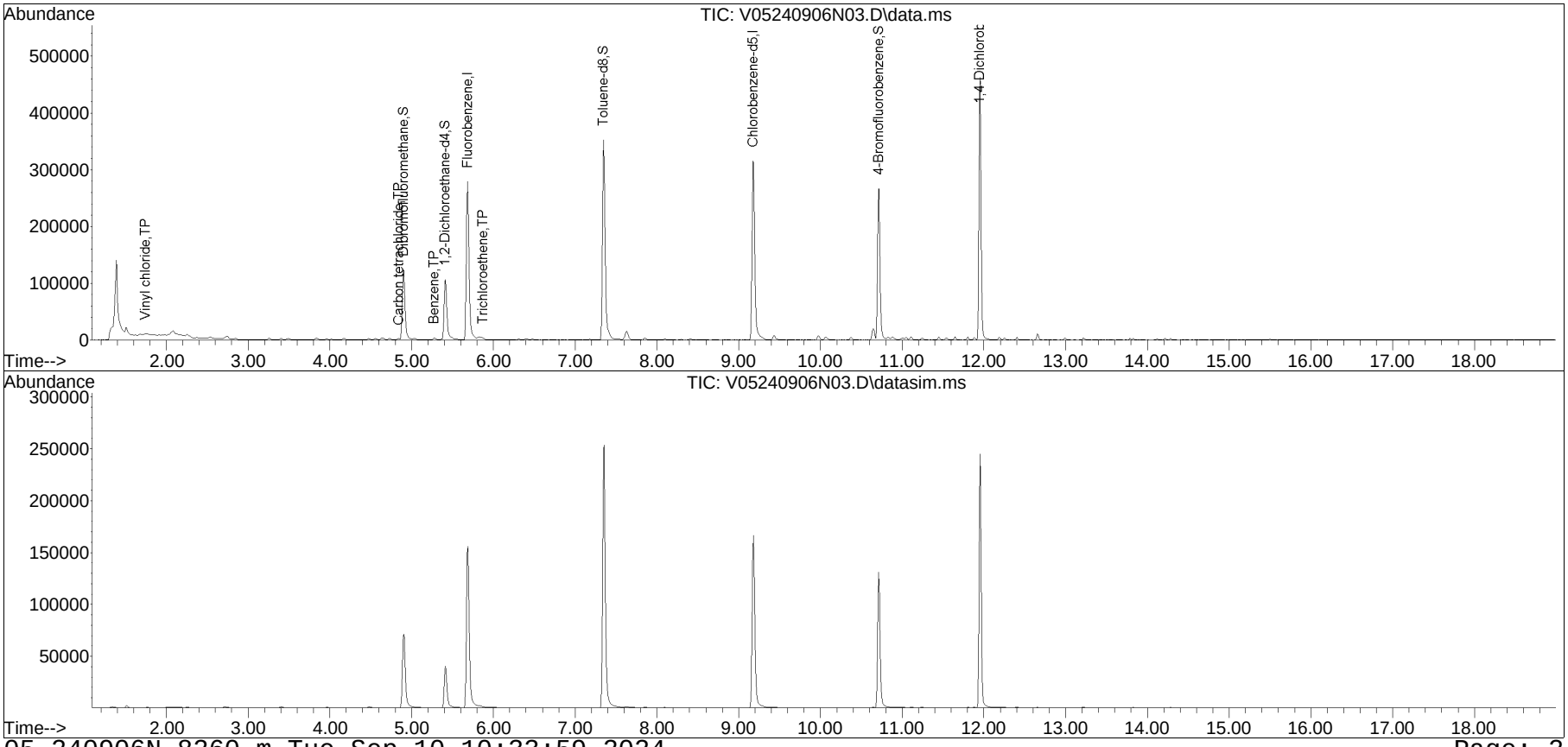
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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

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

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



Manual Integration Report

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

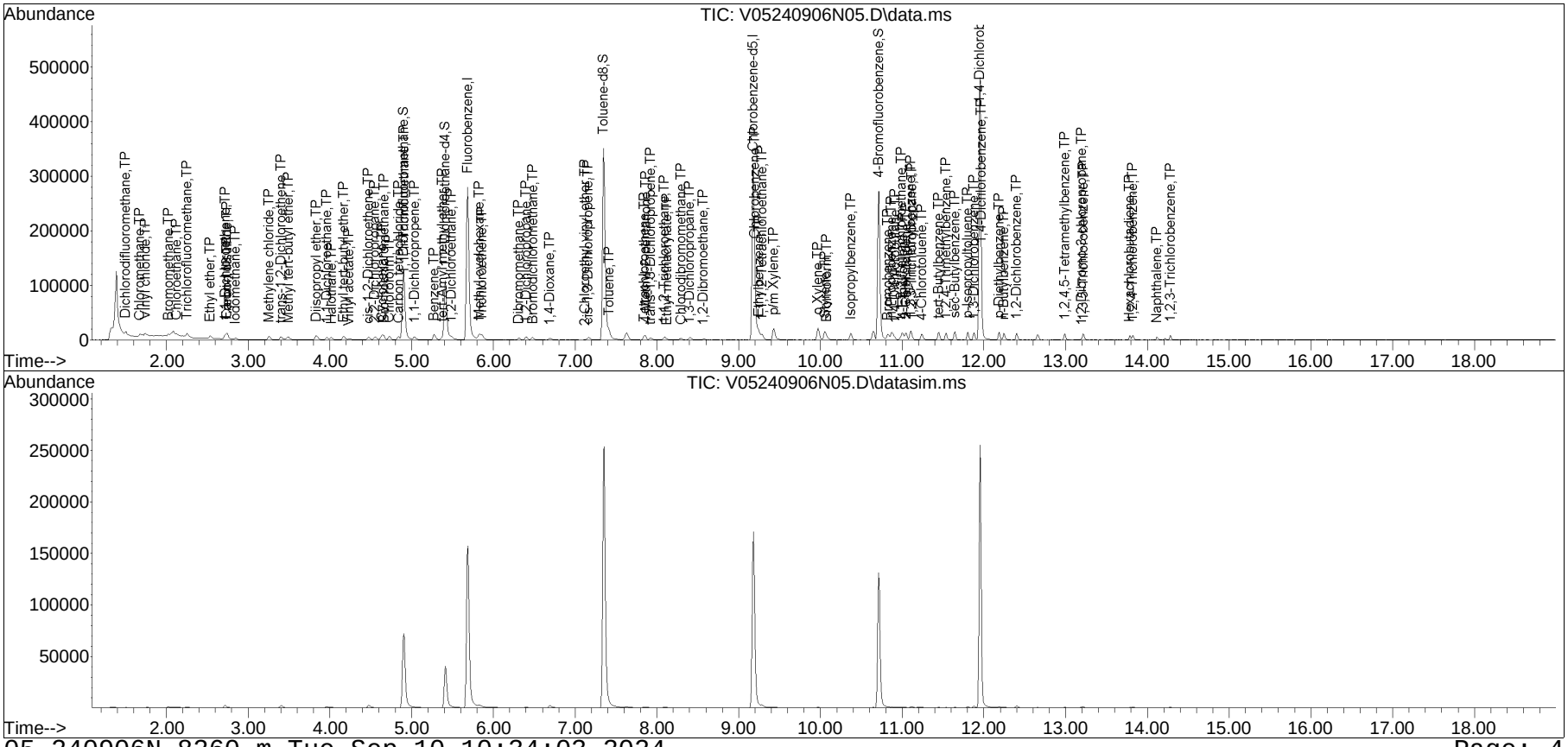
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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

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

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

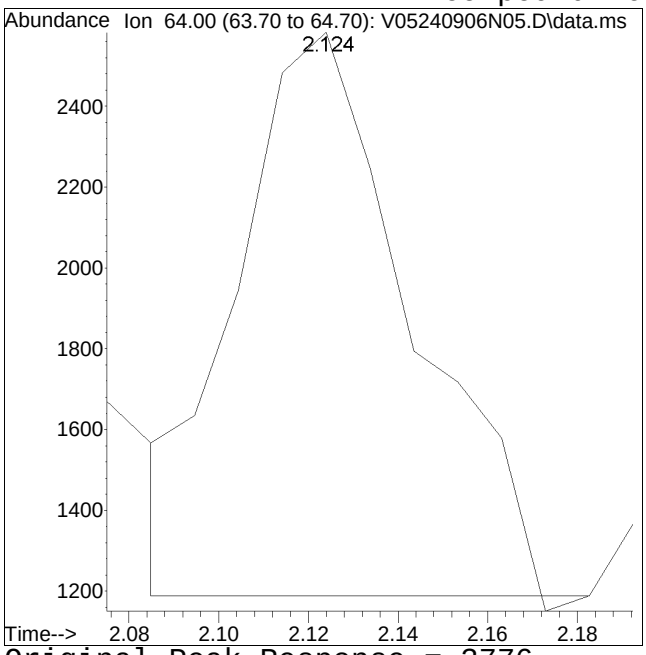


Manual Integration Report

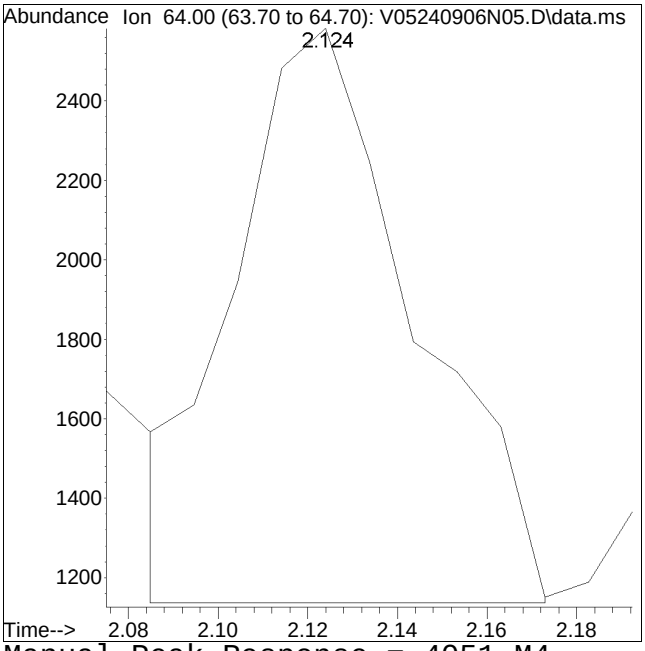
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N05.D
Date Inj'd : 9/6/2024 6:30 pm
Sample : I8260STD0.5PPB

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

Compound #6: Chloroethane



Original Peak Response = 3776



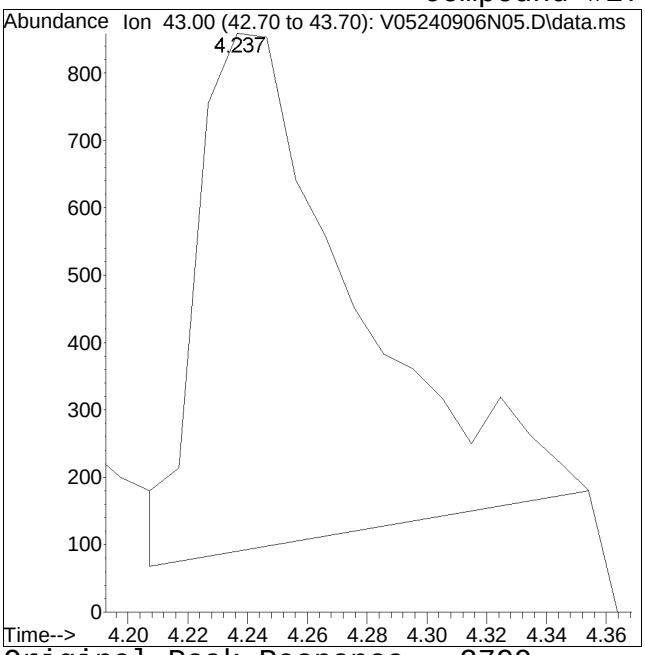
Manual Peak Response = 4051 M4

M4 = Poor automated baseline construction.

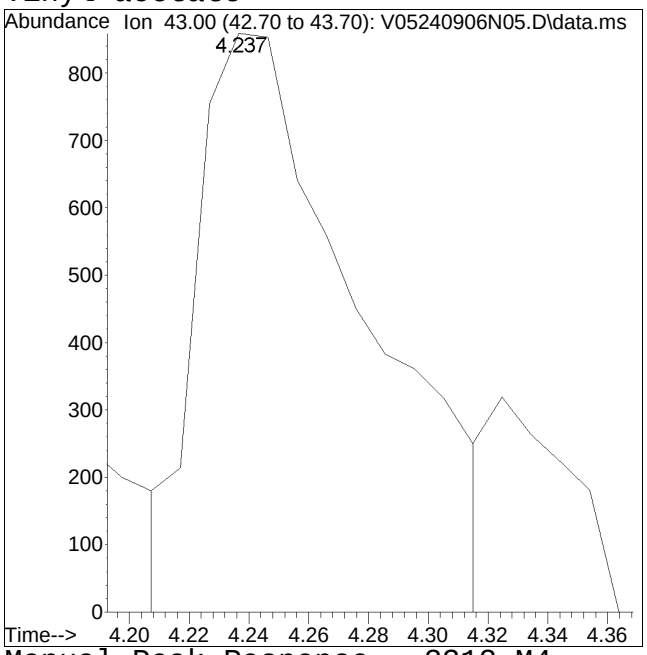
Manual Integration Report

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

Compound #27: Vinyl acetate



Original Peak Response = 2799



Manual Peak Response = 3312 M4

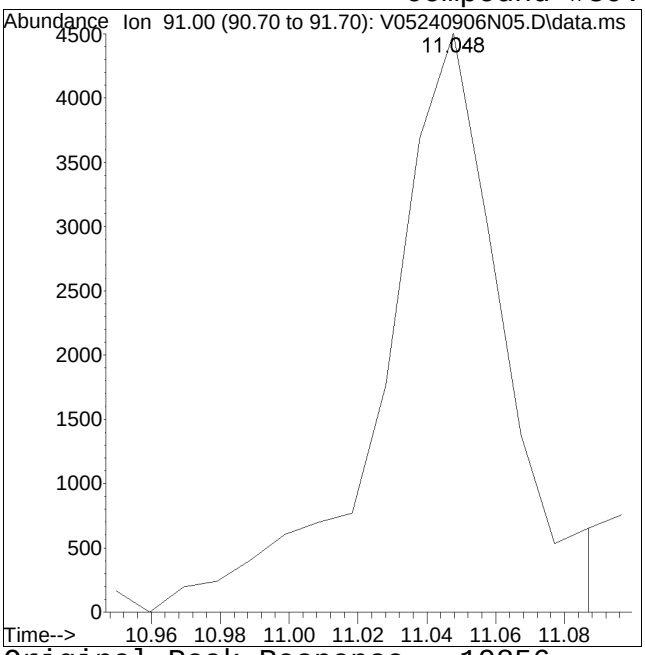
M4 = Poor automated baseline construction.

Manual Integration Report

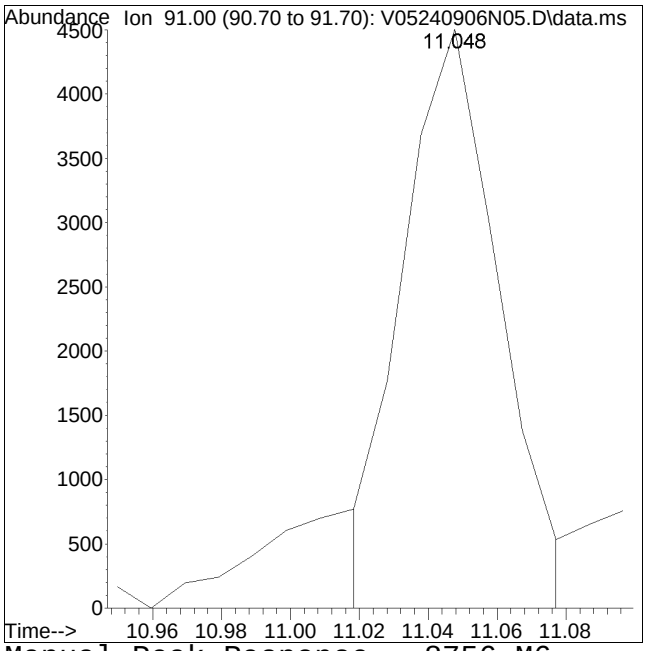
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N05.D
Date Inj'd : 9/6/2024 6:30 pm
Sample : I8260STD0.5PPB

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

Compound #89: 2-Chlorotoluene



Original Peak Response = 10856



Manual Peak Response = 8756 M6

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

Quantitation Report (QT Reviewed)

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

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

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

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

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

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

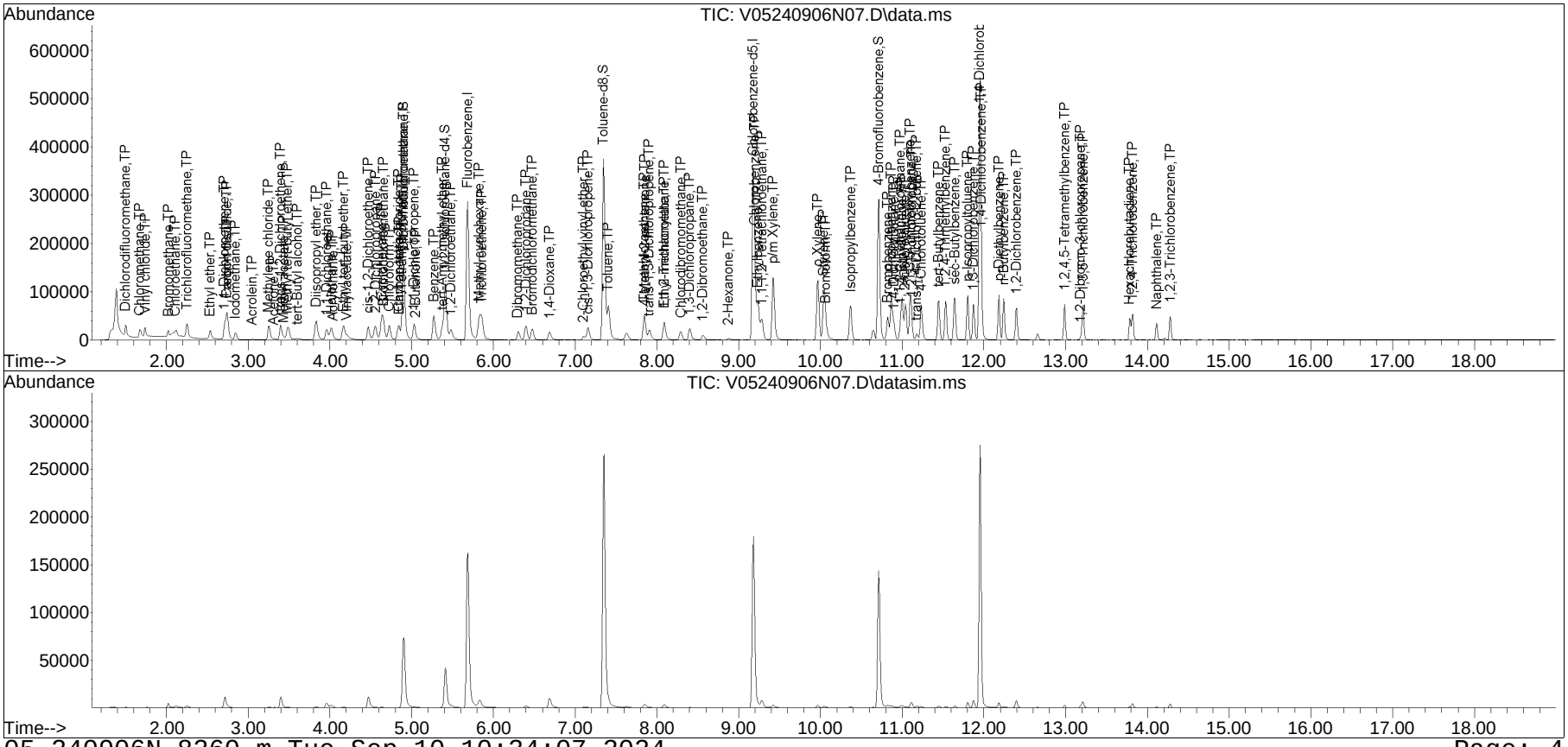
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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

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

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

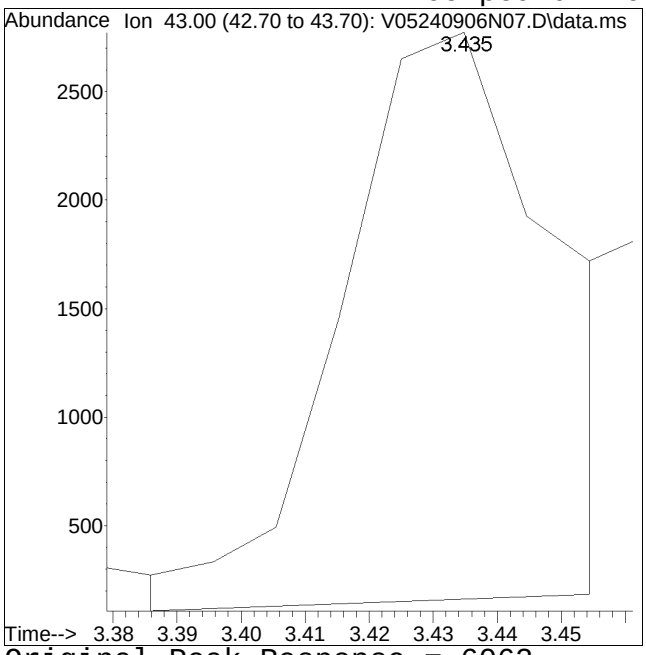


Manual Integration Report

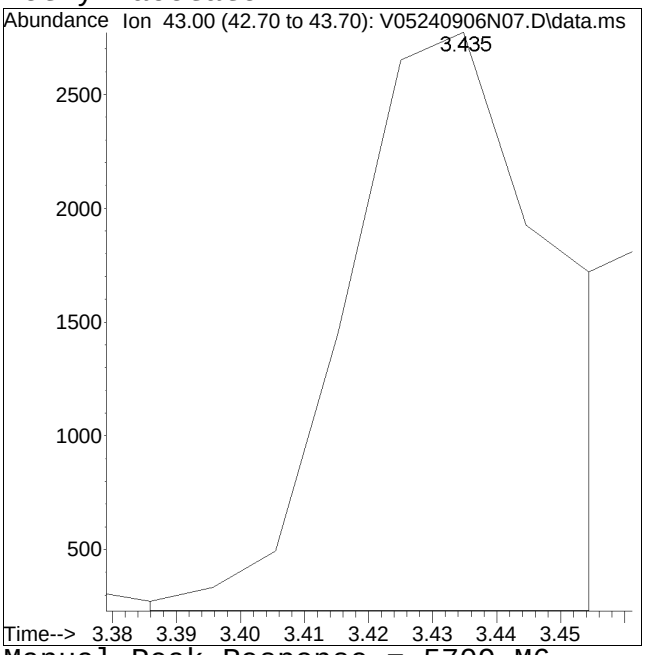
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N07.D
Date Inj'd : 9/6/2024 7:21 pm
Sample : I8260STD2PPB

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

Compound #19: Methyl acetate



Original Peak Response = 6062



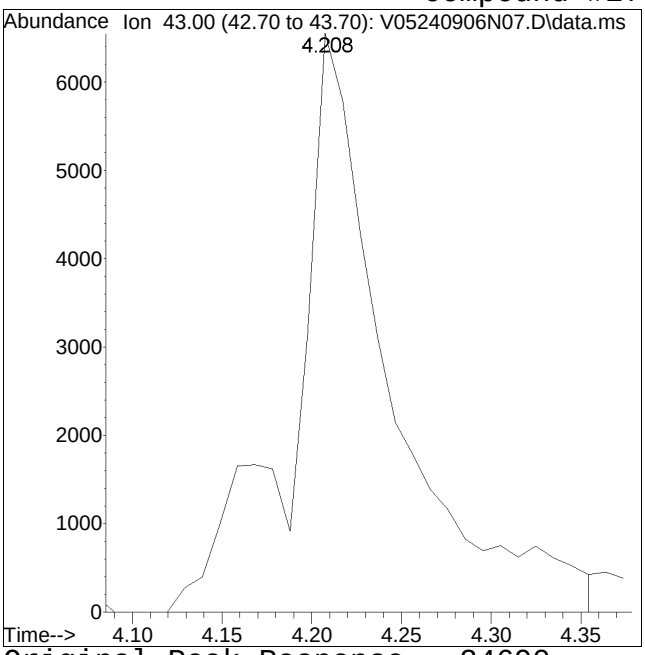
Manual Peak Response = 5709 M6

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

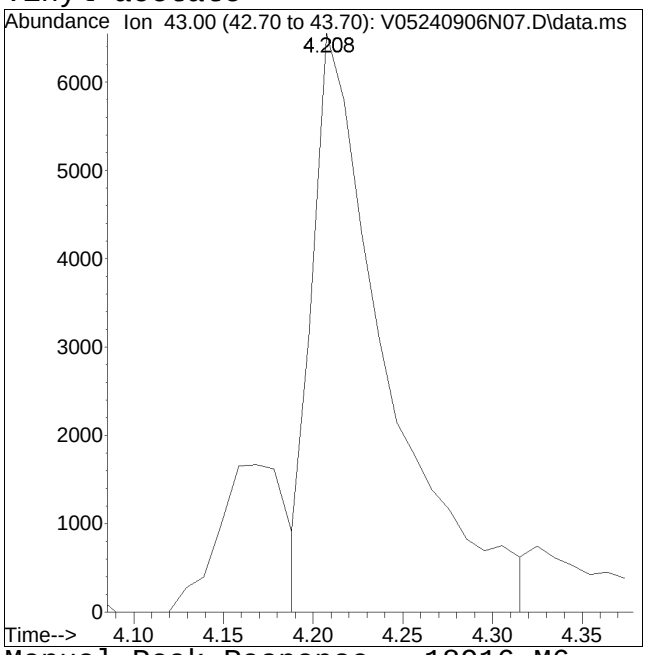
Manual Integration Report

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

Compound #27: Vinyl acetate



Original Peak Response = 24690



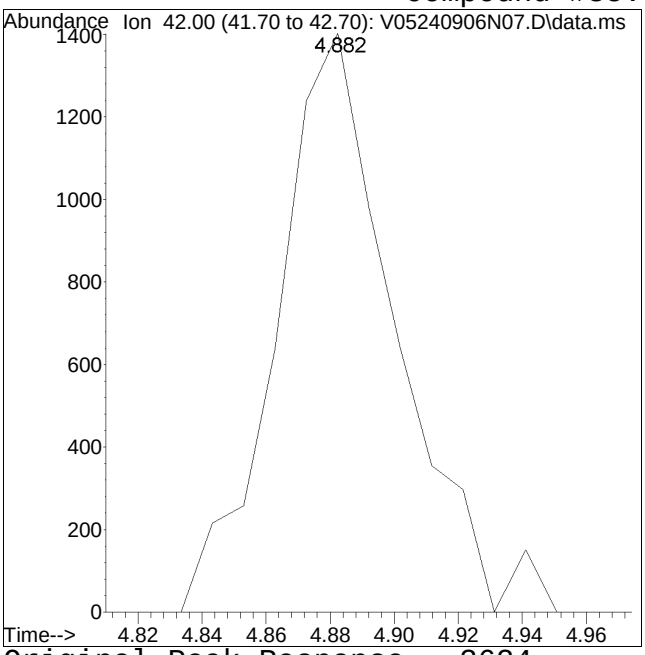
Manual Peak Response = 18916 M6

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

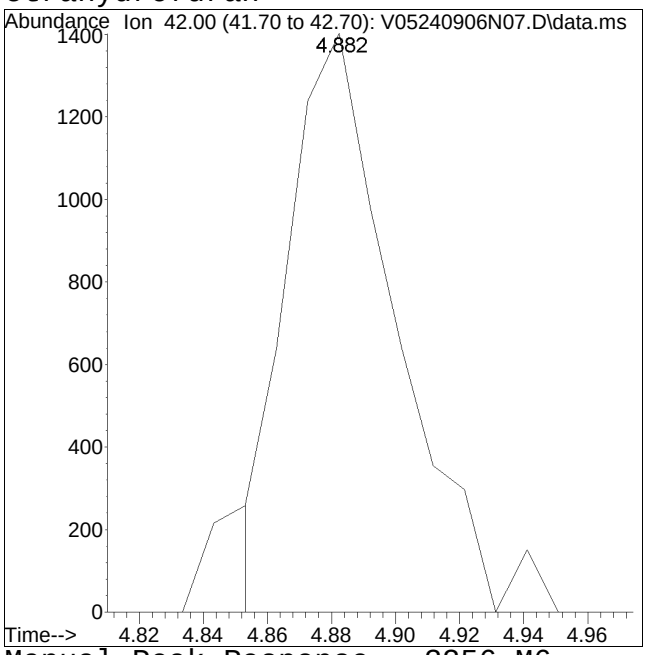
Manual Integration Report

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

Compound #35: Tetrahydrofuran



Original Peak Response = 3624



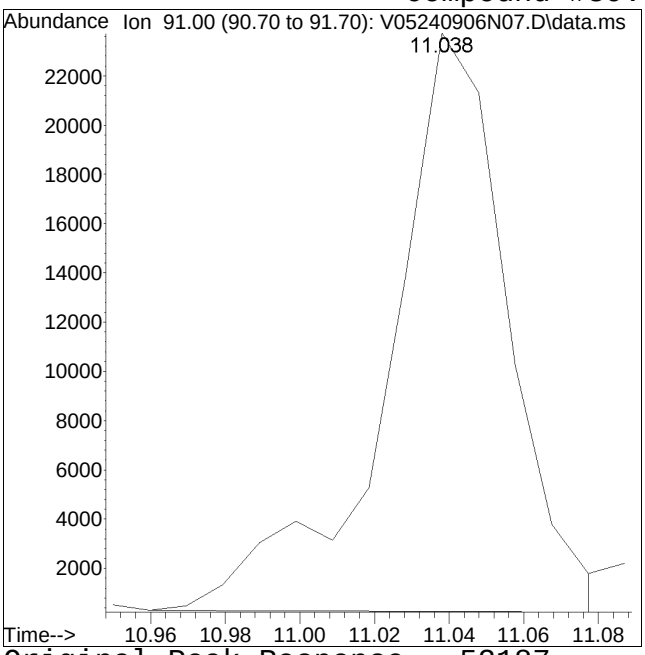
Manual Peak Response = 3256 M6

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

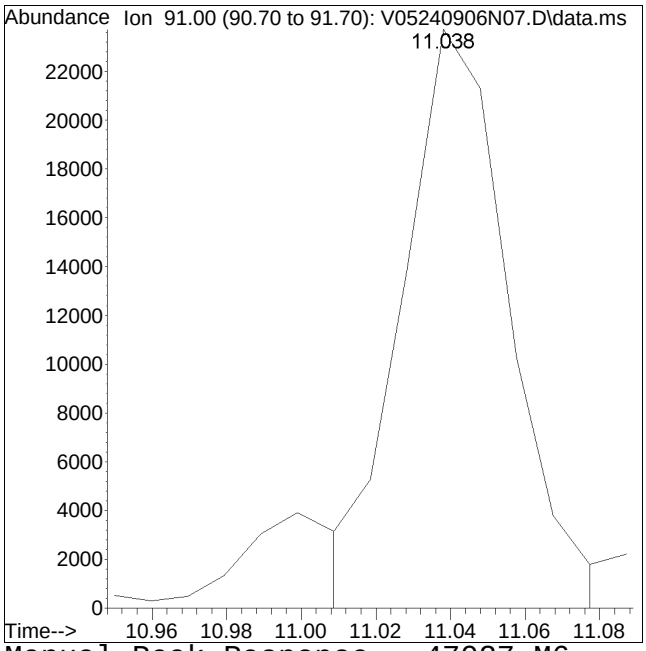
Manual Integration Report

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

Compound #89: 2-Chlorotoluene



Original Peak Response = 52187



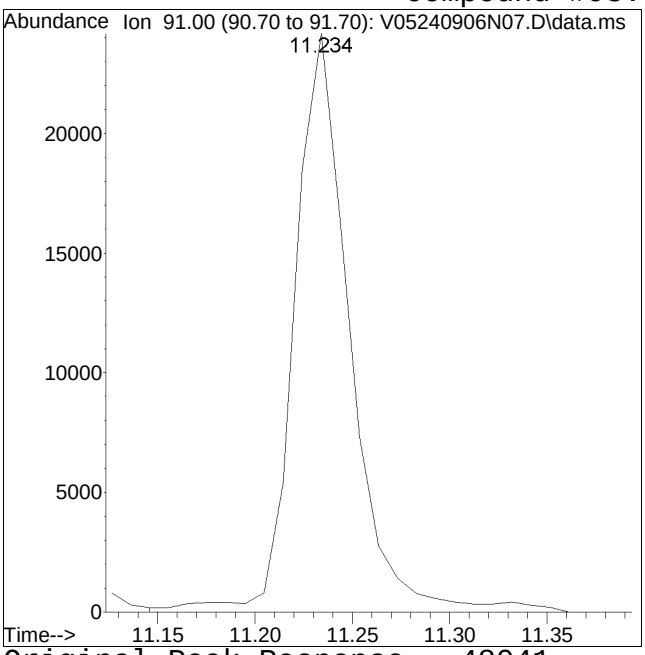
Manual Peak Response = 47027 M6

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

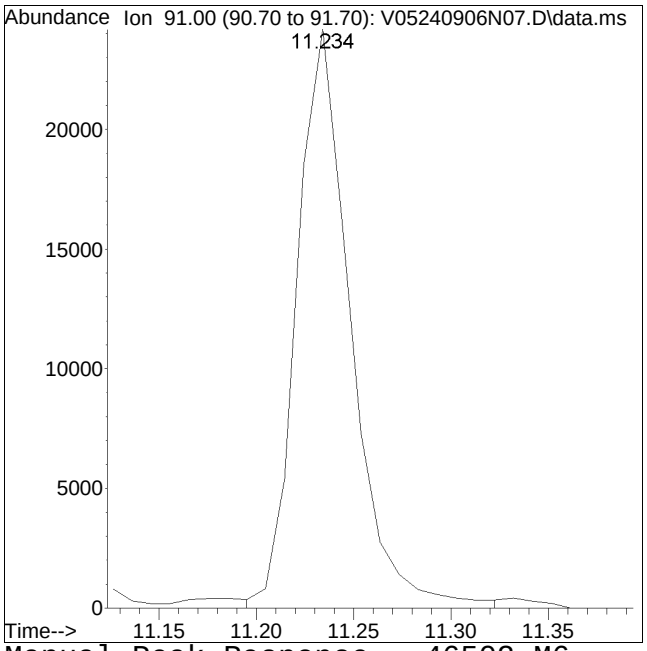
Manual Integration Report

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

Compound #93: 4-Chlorotoluene



Original Peak Response = 48041



Manual Peak Response = 46502 M6

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

Quantitation Report (QT Reviewed)

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

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

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

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

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

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

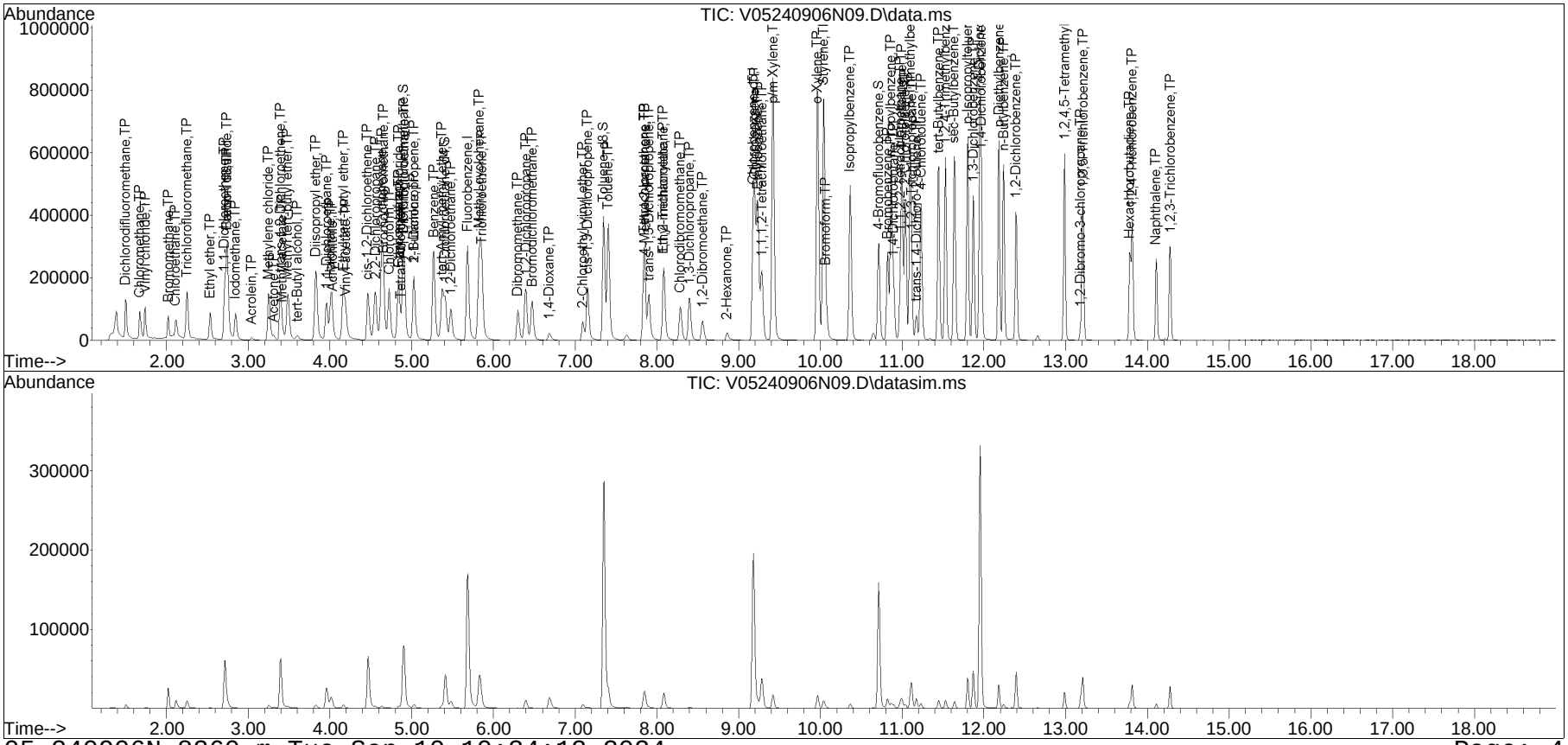
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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

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

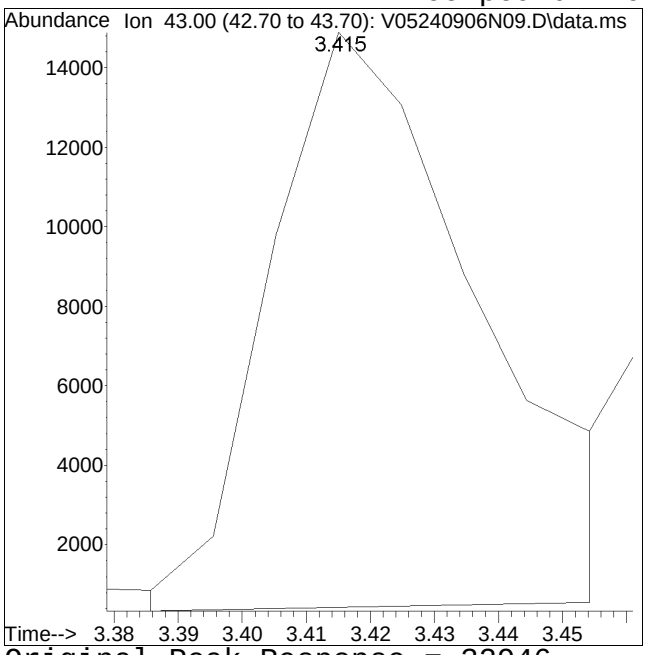
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•



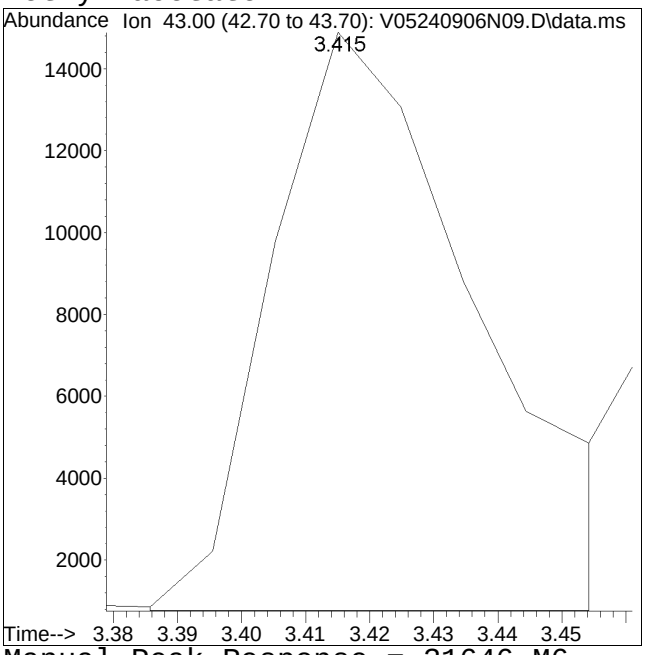
Manual Integration Report

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

Compound #19: Methyl acetate



Original Peak Response = 32946



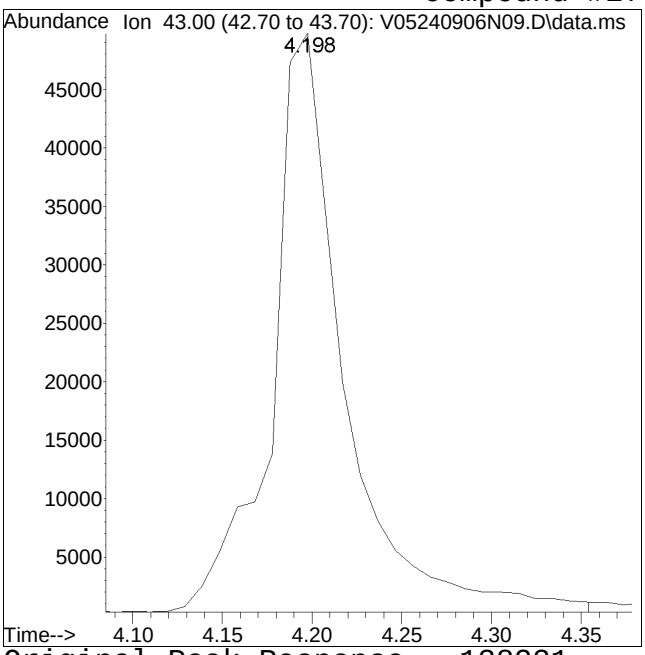
Manual Peak Response = 31646 M6

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

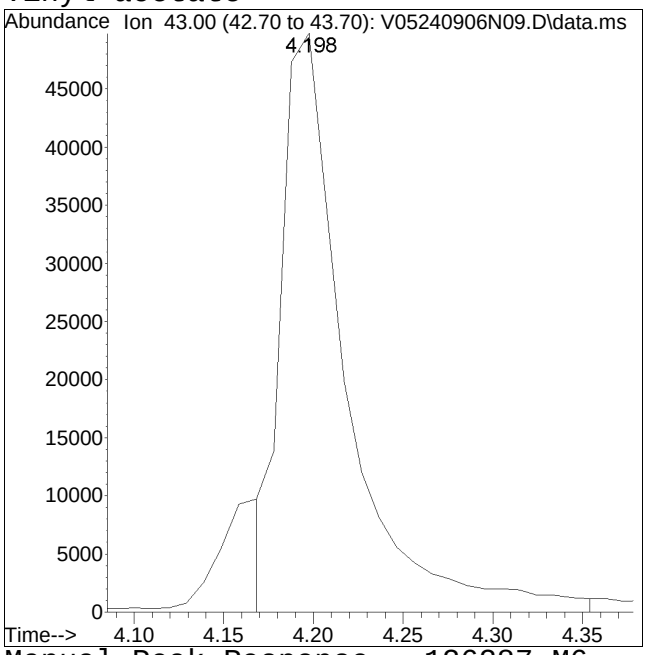
Manual Integration Report

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

Compound #27: Vinyl acetate



Original Peak Response = 138221



Manual Peak Response = 126287 M6

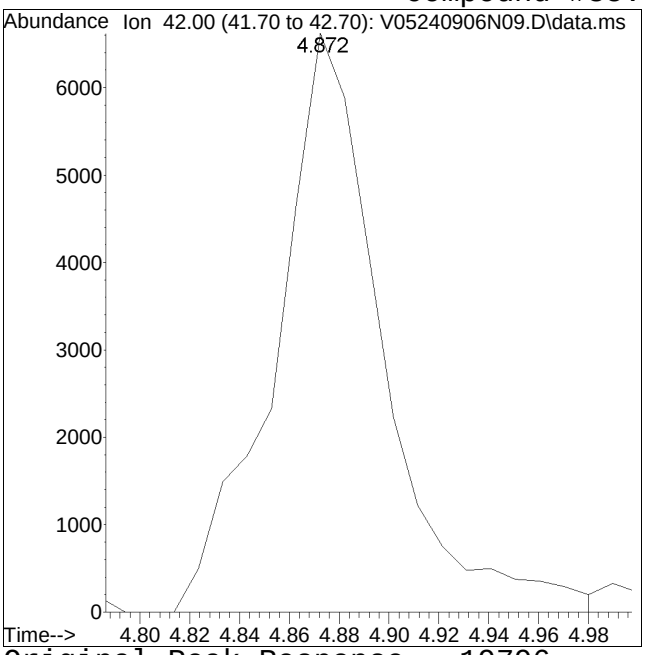
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

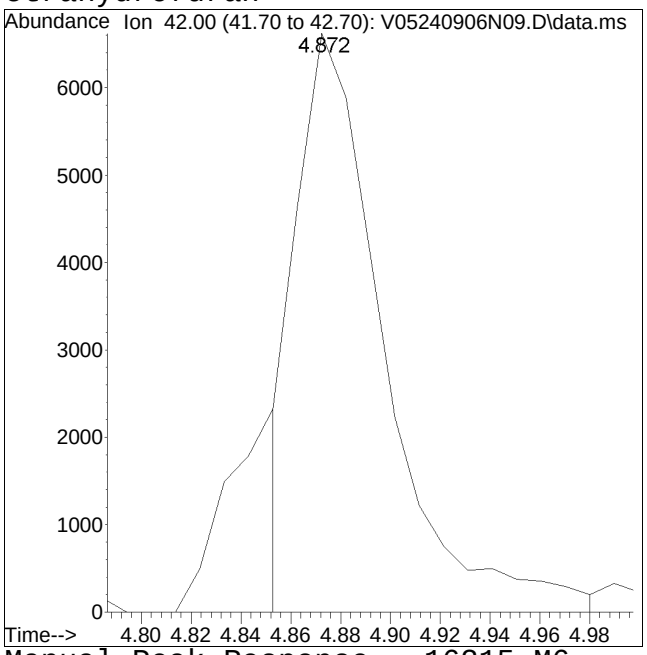
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N09.D
Date Inj'd : 9/6/2024 8:12 pm
Sample : I8260STD10PPB

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

Compound #35: Tetrahydrofuran



Original Peak Response = 19796



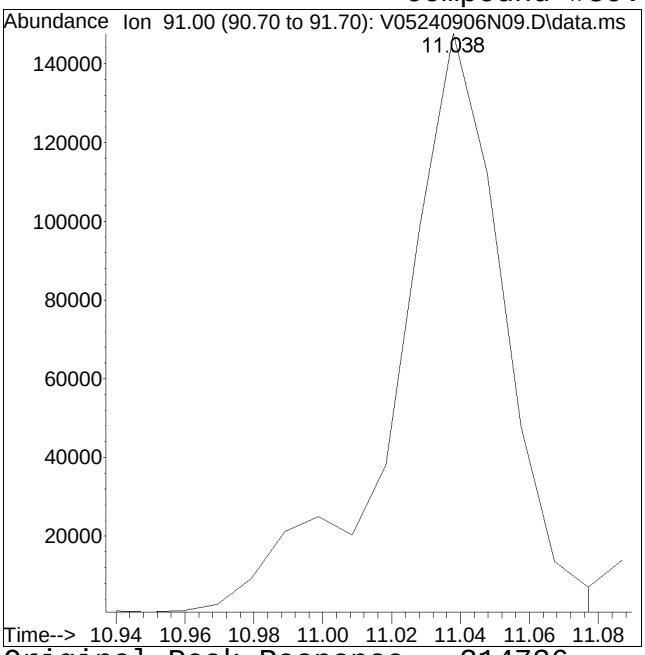
Manual Peak Response = 16215 M6

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

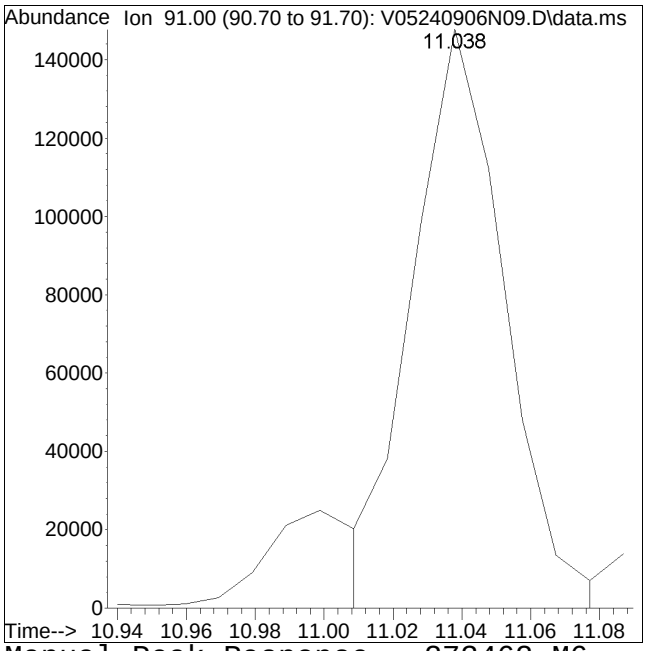
Manual Integration Report

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

Compound #89: 2-Chlorotoluene



Original Peak Response = 314736



Manual Peak Response = 273462 M6

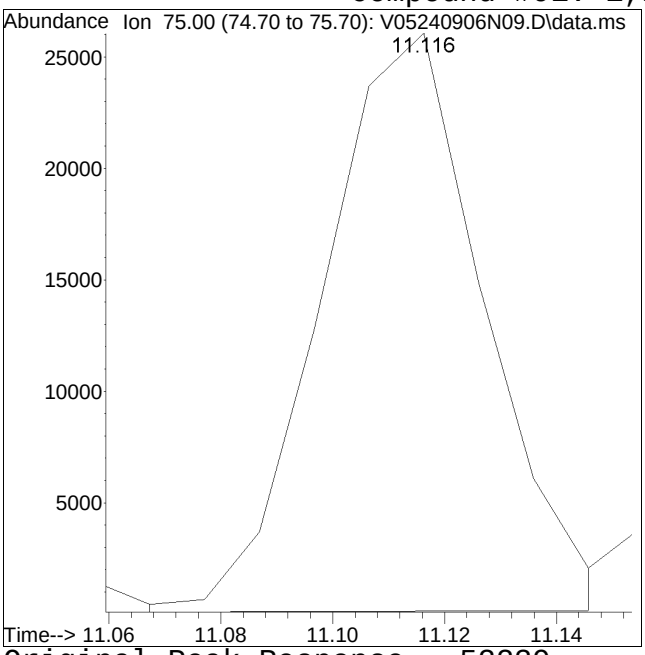
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

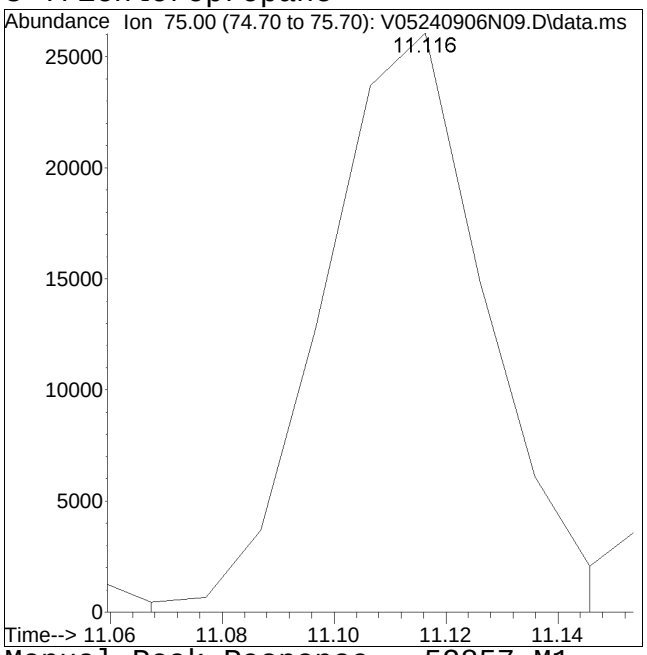
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N09.D
Date Inj'd : 9/6/2024 8:12 pm
Sample : I8260STD10PPB

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

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 52239



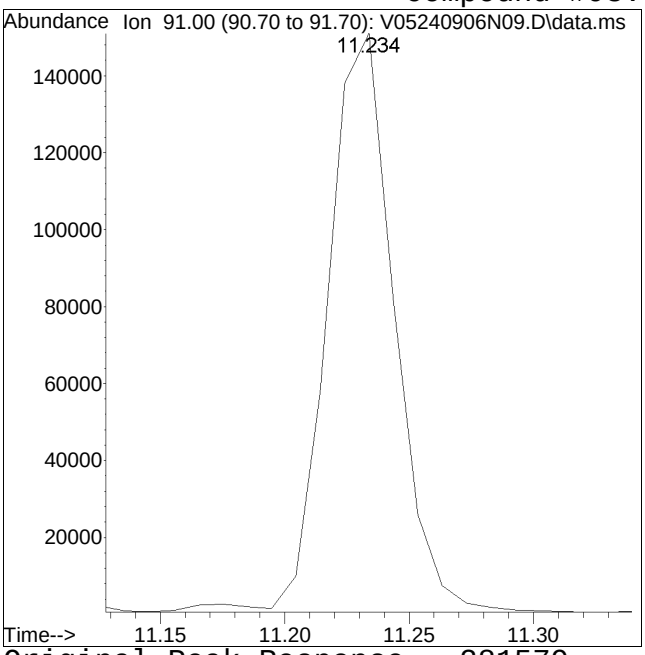
Manual Peak Response = 52857 M1

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

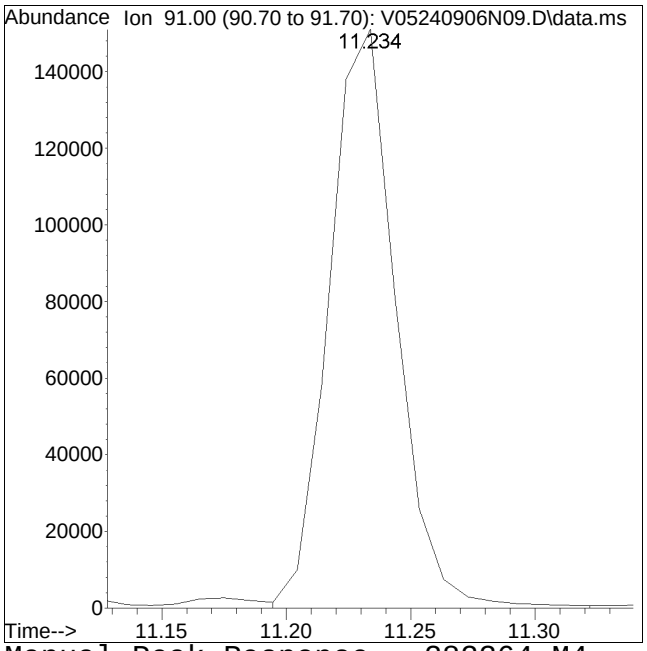
Manual Integration Report

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

Compound #93: 4-Chlorotoluene



Original Peak Response = 281579



Manual Peak Response = 282364 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

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

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

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

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

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

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

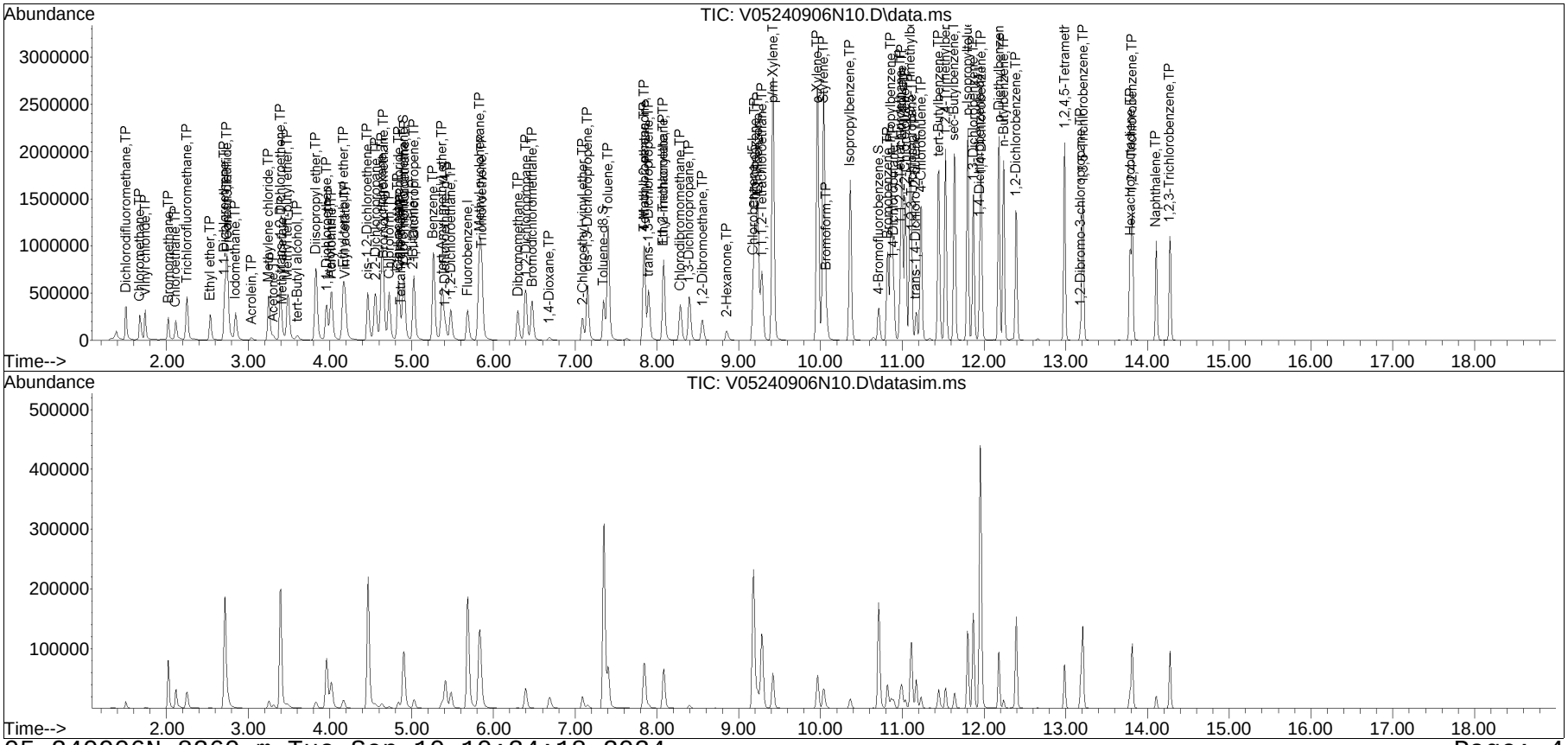
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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

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

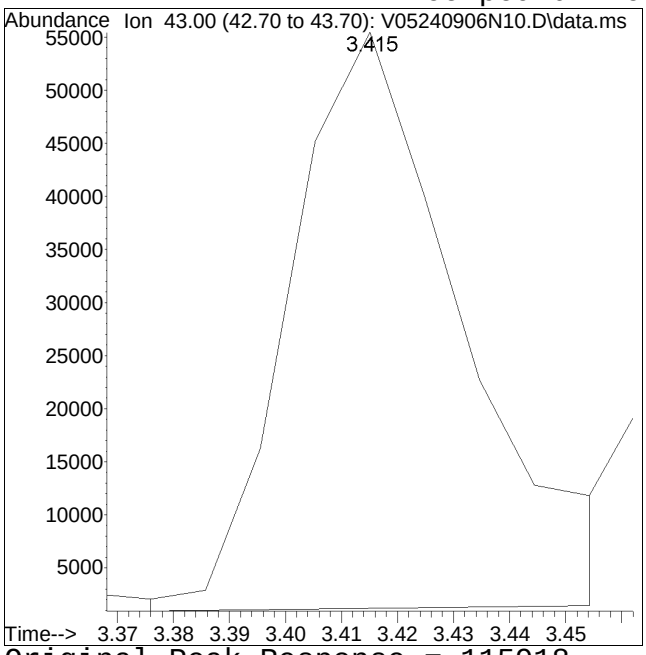
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•



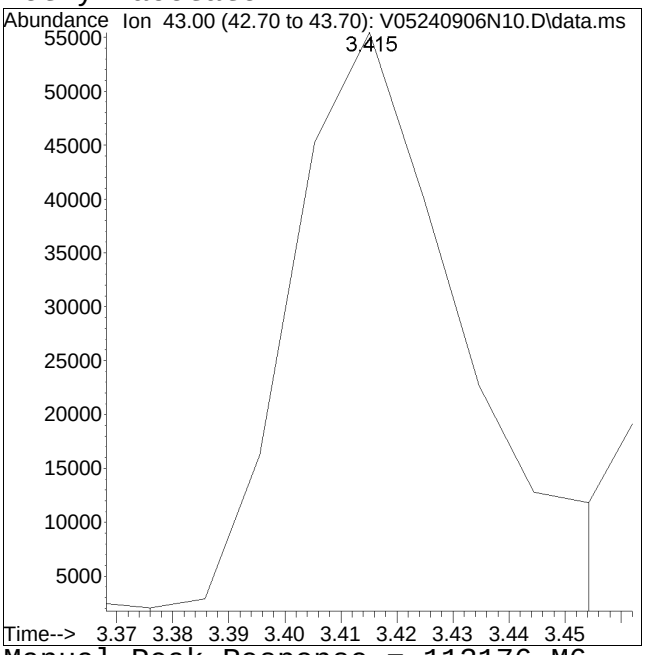
Manual Integration Report

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

Compound #19: Methyl acetate



Original Peak Response = 115918



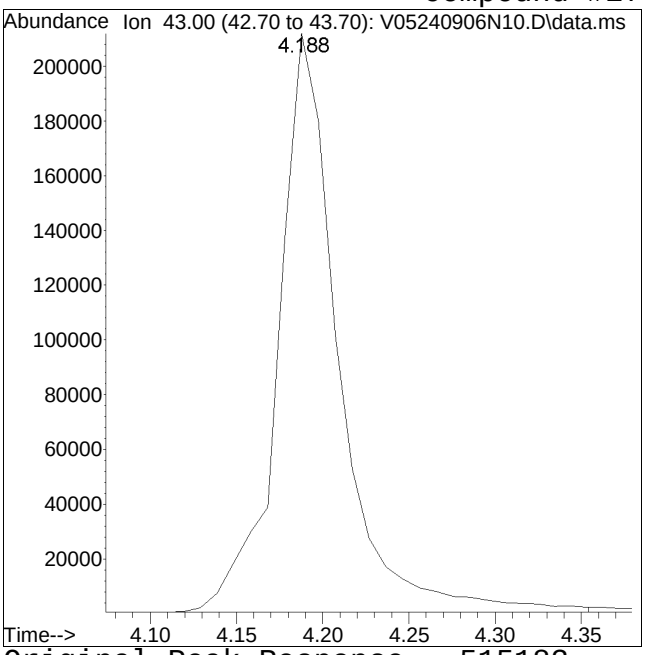
Manual Peak Response = 113176 M6

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

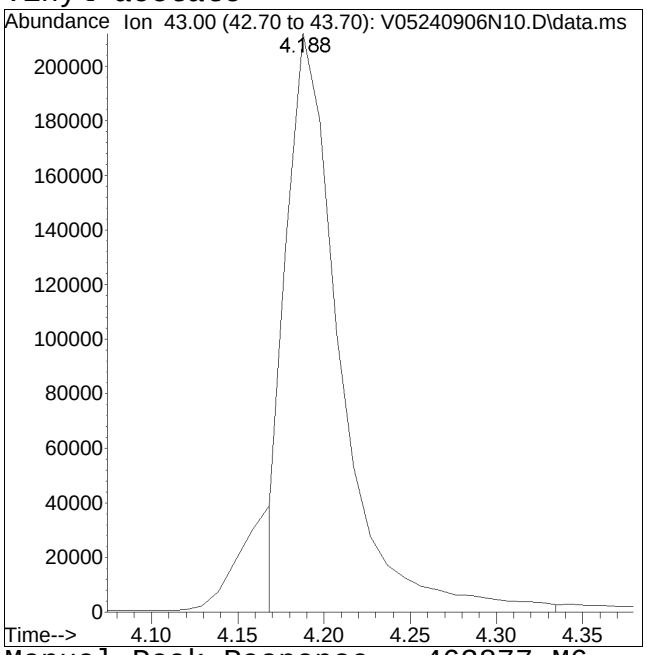
Manual Integration Report

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

Compound #27: Vinyl acetate



Original Peak Response = 515183



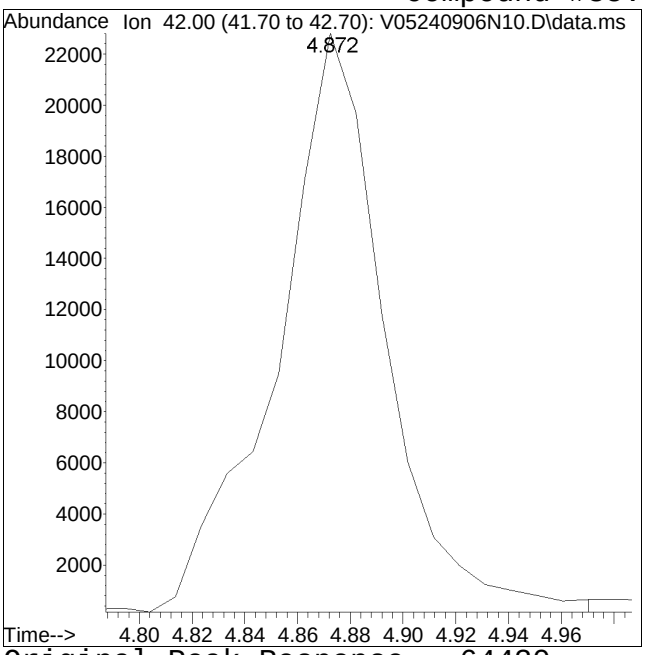
Manual Peak Response = 463877 M6

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

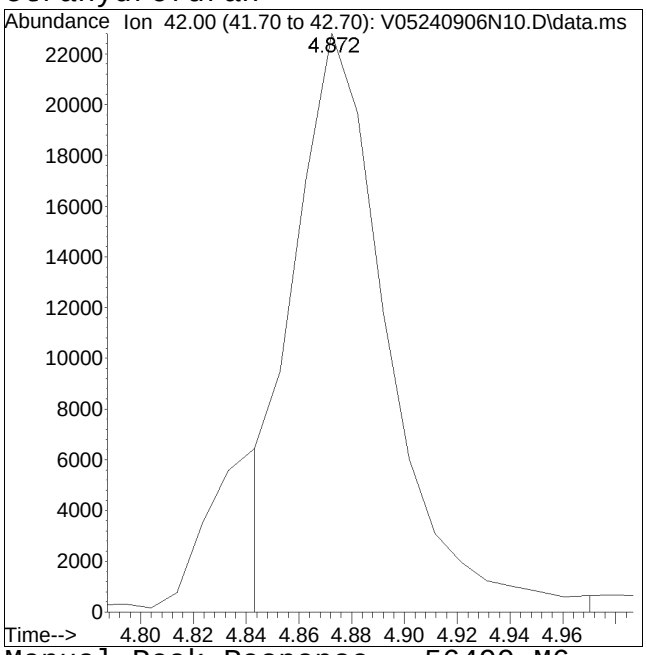
Manual Integration Report

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

Compound #35: Tetrahydrofuran



Original Peak Response = 64430



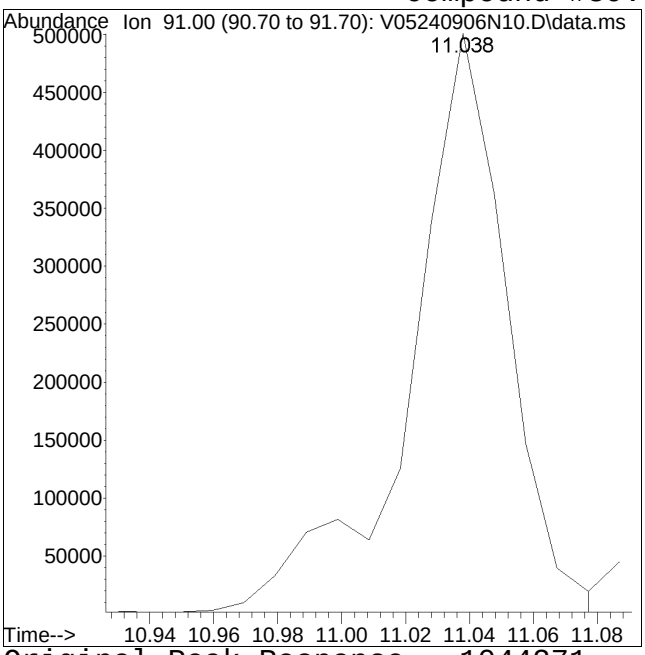
Manual Peak Response = 56490 M6

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

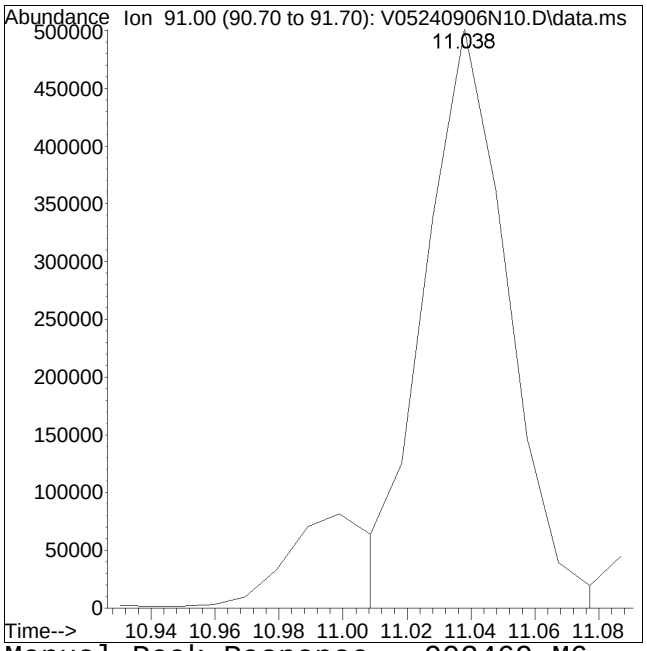
Manual Integration Report

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

Compound #89: 2-Chlorotoluene



Original Peak Response = 1044271



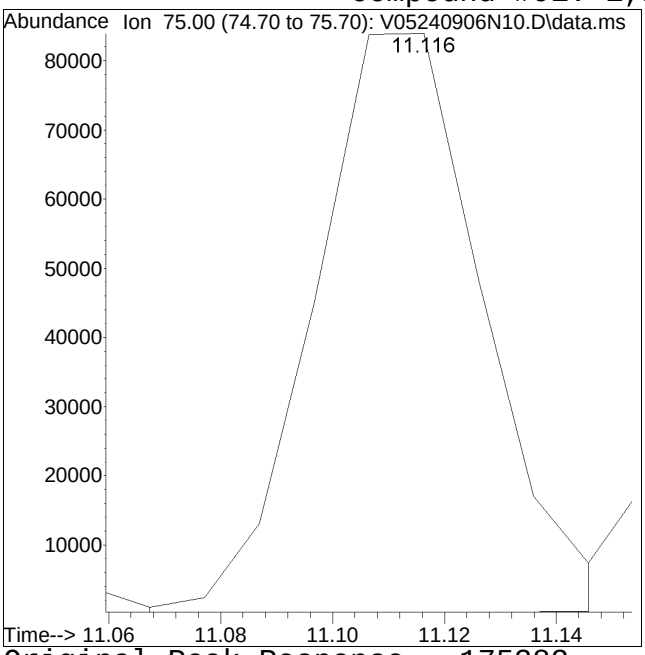
Manual Peak Response = 902469 M6

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

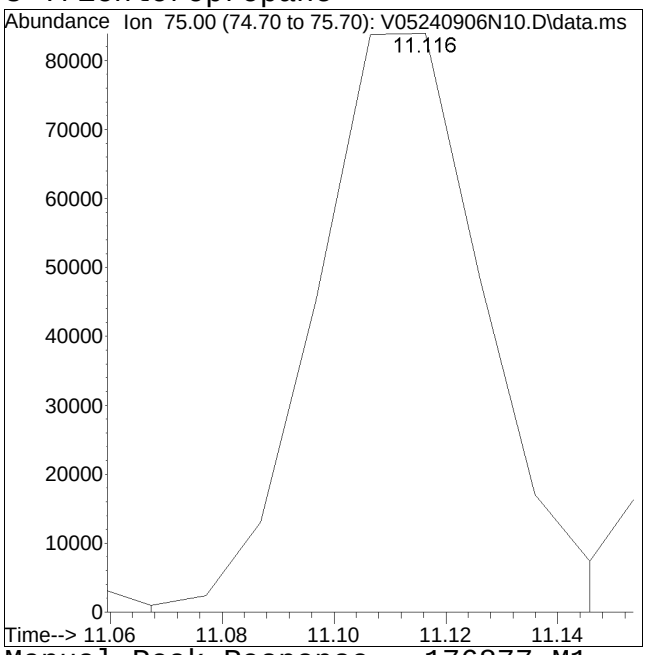
Manual Integration Report

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

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 175382



Manual Peak Response = 176877 M1

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

Quantitation Report (QT Reviewed)

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

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

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

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

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

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

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

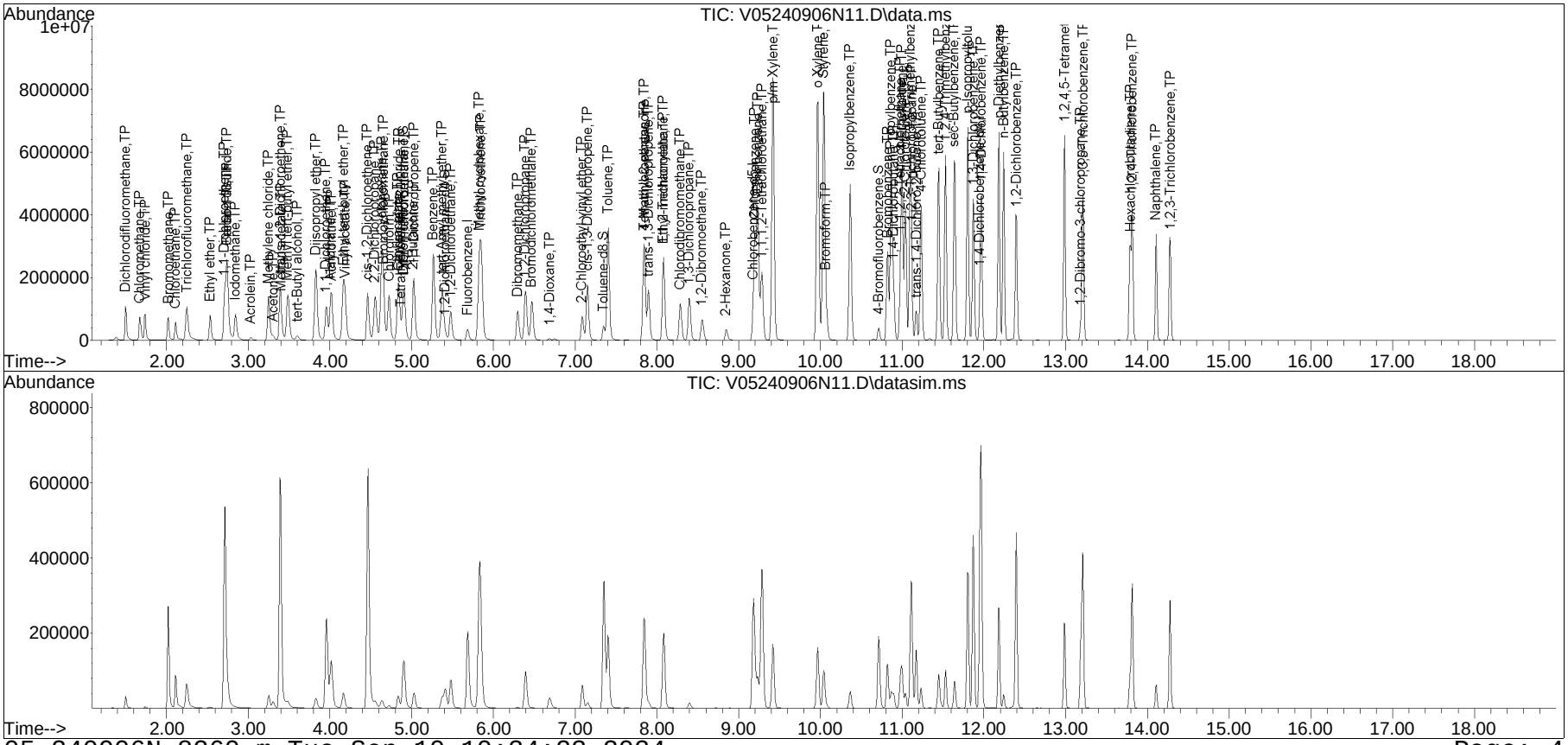
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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

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

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

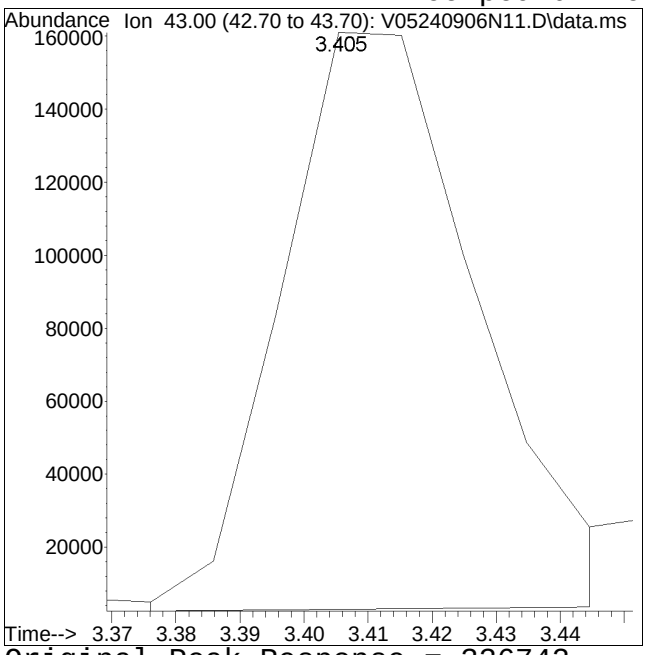


Manual Integration Report

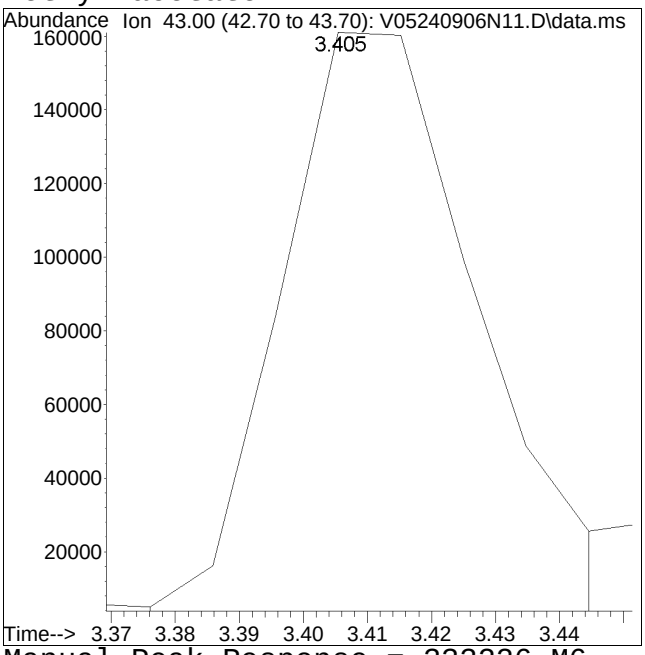
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N11.D
Date Inj'd : 9/6/2024 9:02 pm
Sample : I8260STD80PPB

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

Compound #19: Methyl acetate



Original Peak Response = 336742



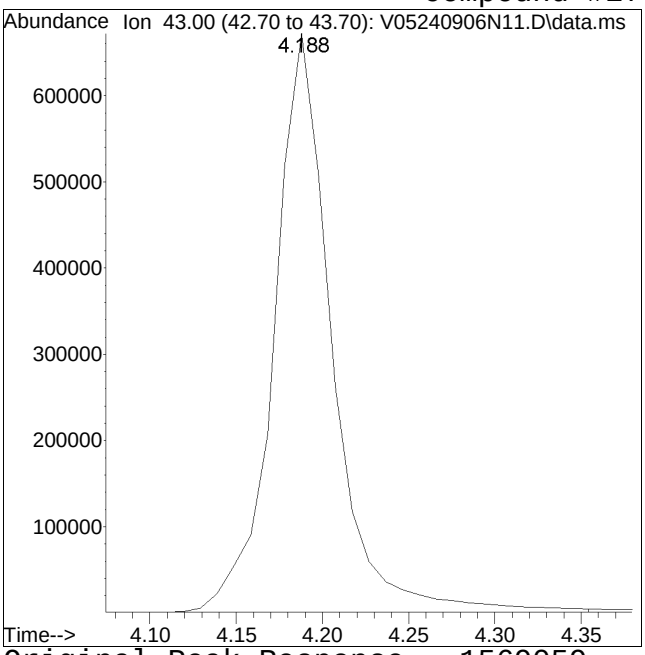
Manual Peak Response = 333226 M6

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

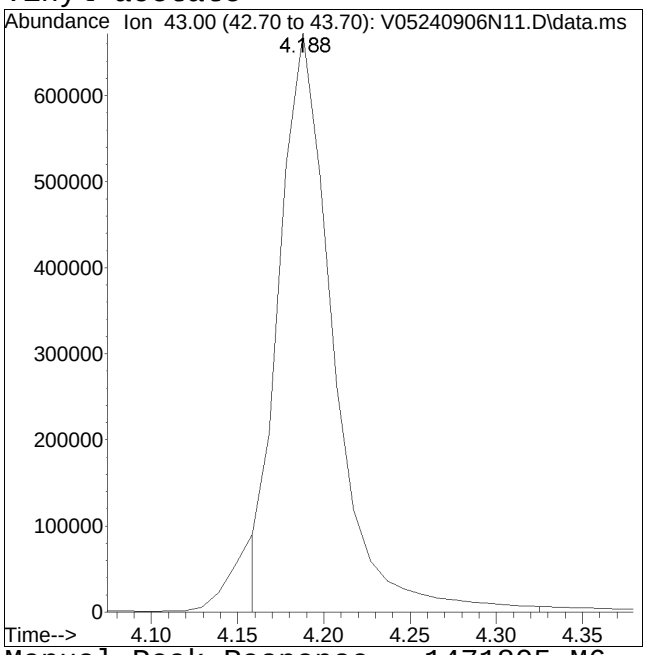
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N11.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:02 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 9/9/2024 11:22 am

Compound #27: Vinyl acetate



Original Peak Response = 1569059



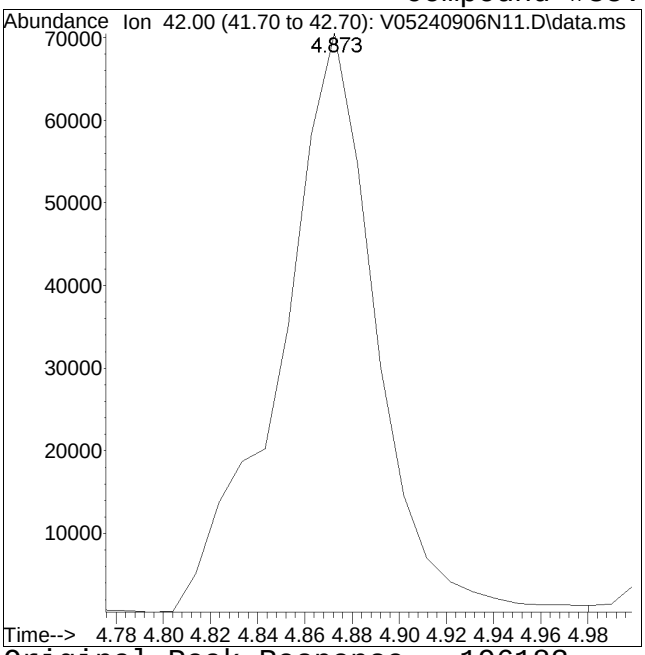
Manual Peak Response = 1471805 M6

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

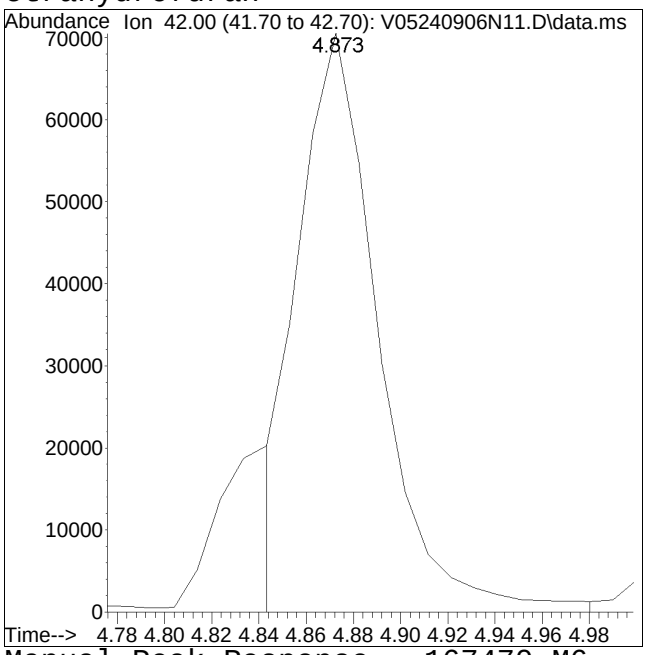
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N11.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:02 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 9/9/2024 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 196183



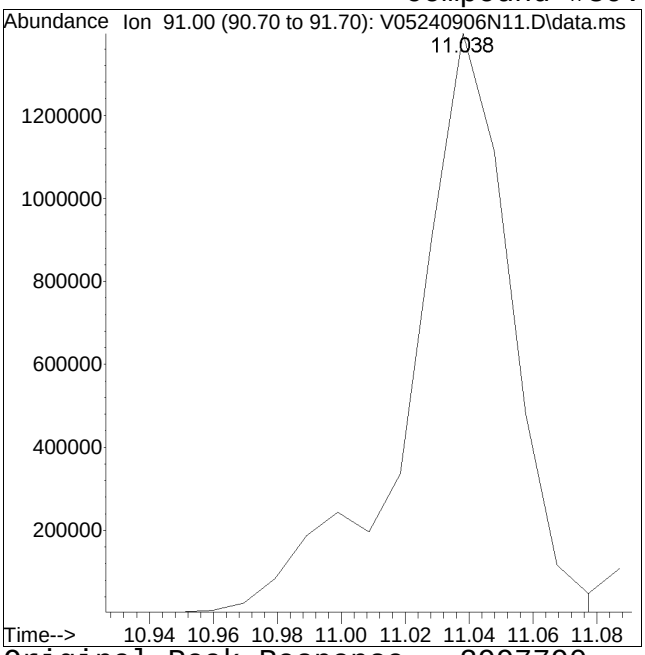
Manual Peak Response = 167470 M6

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

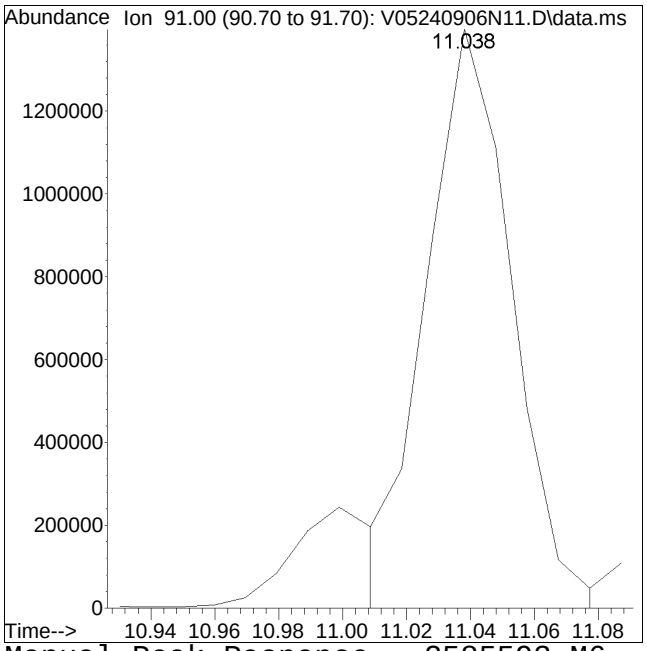
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N11.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:02 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 9/9/2024 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 2997790



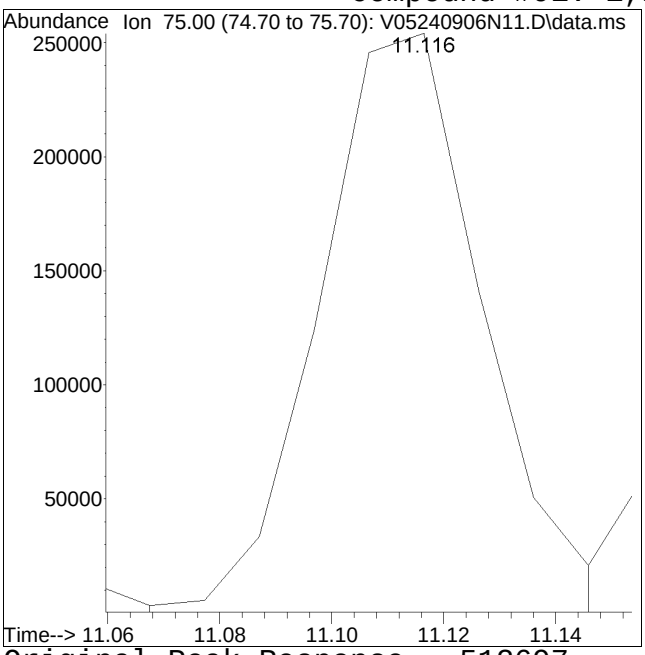
Manual Peak Response = 2585593 M6

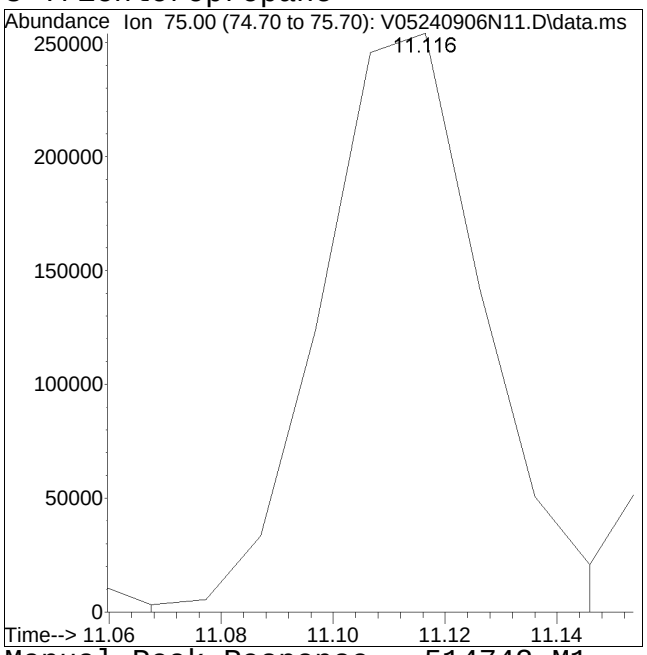
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N11.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:02 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 9/9/2024 11:22 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 512697 Manual Peak Response = 514742 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N12.D
Acq On : 6 Sep 2024 9:28 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:23:01 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	420265	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery = 130.02%			
59) Chlorobenzene-d5	9.177	117	356774	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery = 138.69%			
79) 1,4-Dichlorobenzene-d4	11.949	152	223852	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery = 132.68%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	114747	9.770	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.70%			
43) 1,2-Dichloroethane-d4	5.410	65	116649	9.607	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.07%			
60) Toluene-d8	7.347	98	415205	9.636	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.36%			
83) 4-Bromofluorobenzene	10.715	95	152344	9.808	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	1482950	120.544	ug/L	97
3) Chloromethane	1.674	50	1366311	115.052	ug/L	97
4) Vinyl chloride	1.743	62	1273343	123.230	ug/L	99
5) Bromomethane	2.026	94	672579	133.717	ug/L	100
6) Chloroethane	2.114	64	584778M1	83.718	ug/L	
7) Trichlorofluoromethane	2.251	101	1822778	117.221	ug/L	99
8) Ethyl ether	2.535	74	449579	120.069	ug/L #	55
10) 1,1-Dichloroethene	2.711	96	902154	116.600	ug/L	98
11) Carbon disulfide	2.740	76	2743734	115.203	ug/L	100
12) Freon-113	2.740	101	987365	116.049	ug/L	82
13) Iodomethane	2.848	142	1666852	128.287	ug/L	92
14) Acrolein	3.034	56	137839	133.819	ug/L	98
15) Methylene chloride	3.249	84	1064041	115.839	ug/L #	74
17) Acetone	3.308	43	235934	118.769	ug/L	99
18) trans-1,2-Dichloroethene	3.396	96	1123565	122.848	ug/L	95
19) Methyl acetate	3.405	43	558286M6	127.321	ug/L	
20) Methyl tert-butyl ether	3.484	73	2639051	131.044	ug/L	88
21) tert-Butyl alcohol	3.601	59	307562	674.993	ug/L	93
22) Diisopropyl ether	3.826	45	3925497	128.132	ug/L #	92
23) 1,1-Dichloroethane	3.953	63	1933954	116.093	ug/L	98
24) Halothane	4.012	117	912239	124.004	ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N12.D
Acq On : 6 Sep 2024 9:28 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:23:01 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.022	53	294415	127.345	ug/L	#	85
26) Ethyl tert-butyl ether	4.168	59	2981664	132.061	ug/L	#	73
27) Vinyl acetate	4.188	43	2530524M6	149.133	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	1249676	120.628	ug/L		95
29) 2,2-Dichloropropane	4.560	77	1633721	120.277	ug/L		88
30) Bromochloromethane	4.657	128	575136	115.031	ug/L	#	87
31) Cyclohexane	4.638	56	2050583	127.595	ug/L		83
32) Chloroform	4.726	83	1981990	113.804	ug/L		95
33) Ethyl acetate	4.833	43	932939	133.030	ug/L	#	91
34) Carbon tetrachloride	4.843	117	1885021	126.074	ug/L		98
35) Tetrahydrofuran	4.873	42	283422M6	125.666	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	1963184	120.918	ug/L		99
39) 2-Butanone	5.019	43	402458	133.279	ug/L	#	58
40) 1,1-Dichloropropene	5.029	75	1522558	126.635	ug/L		92
41) Benzene	5.264	78	4321907	122.065	ug/L		96
42) tert-Amyl methyl ether	5.371	73	2531535	135.667	ug/L		93
44) 1,2-Dichloroethane	5.479	62	1359430	116.293	ug/L		97
47) Methyl cyclohexane	5.831	83	2088421	128.620	ug/L		89
48) Trichloroethene	5.860	95	1248581	118.481	ug/L		90
50) Dibromomethane	6.301	93	667183	122.015	ug/L	#	85
51) 1,2-Dichloropropane	6.389	63	1082802	122.466	ug/L	#	89
53) 2-Chloroethyl vinyl ether	7.083	63	642403	147.755	ug/L		91
54) Bromodichloromethane	6.467	83	1573452	121.511	ug/L		98
57) 1,4-Dioxane	6.692	88	77525	1404.643	ug/L	#	90
58) cis-1,3-Dichloropropene	7.151	75	1760068	129.212	ug/L	#	85
61) Toluene	7.406	92	2952710	117.891	ug/L		97
62) 4-Methyl-2-pentanone	7.846	58	285268	152.863	ug/L	#	71
63) Tetrachloroethene	7.846	166	1589050	120.235	ug/L		90
65) trans-1,3-Dichloropropene	7.895	75	1560703	128.085	ug/L		82
67) Ethyl methacrylate	8.081	69	1095259	144.767	ug/L		96
68) 1,1,2-Trichloroethane	8.081	83	748330	120.760	ug/L		98
69) Chlorodibromomethane	8.286	129	1343386	127.140	ug/L		99
70) 1,3-Dichloropropane	8.394	76	1461821	120.215	ug/L		98
71) 1,2-Dibromoethane	8.560	107	1095959	131.360	ug/L		99
72) 2-Hexanone	8.844	43	569203	137.688	ug/L	#	88
73) Chlorobenzene	9.196	112	3546616	119.784	ug/L	#	85
74) Ethylbenzene	9.236	91	6077458	121.510	ug/L		93
75) 1,1,1,2-Tetrachloroethane	9.285	131	1341860	123.444	ug/L		99
76) p/m Xylene	9.422	106	4795977	248.309	ug/L		83
77) o Xylene	9.970	106	4610835	251.995	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N12.D
Acq On : 6 Sep 2024 9:28 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:23:01 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.039	104	7709847	254.652	ug/L	#	85
80) Bromoform	10.078	173	884524	133.372	ug/L		97
82) Isopropylbenzene	10.362	105	6618762	127.842	ug/L		94
84) Bromobenzene	10.823	156	1662940	122.167	ug/L		100
85) n-Propylbenzene	10.872	91	7503087	124.033	ug/L		93
86) 1,4-Dichlorobutane	10.891	55	1592673	122.534	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	1114041	123.901	ug/L		97
88) 4-Ethyltoluene	10.999	105	6319584	125.384	ug/L		95
89) 2-Chlorotoluene	11.038	91	4125083M6	120.956	ug/L		
90) 1,3,5-Trimethylbenzene	11.107	105	5511797	123.913	ug/L		93
91) 1,2,3-Trichloropropane	11.116	75	858636M4	122.994	ug/L		
92) trans-1,4-Dichloro-2-b...	11.175	53	365895	122.785	ug/L	#	64
93) 4-Chlorotoluene	11.234	91	4317577	122.489	ug/L	#	85
94) tert-Butylbenzene	11.449	119	5057378	129.836	ug/L		98
97) 1,2,4-Trimethylbenzene	11.528	105	5456559	128.078	ug/L		93
98) sec-Butylbenzene	11.645	105	7264309	127.456	ug/L		95
99) p-Isopropyltoluene	11.802	119	6474852	131.773	ug/L		93
100) 1,3-Dichlorobenzene	11.871	146	3290172	122.349	ug/L		96
101) 1,4-Dichlorobenzene	11.969	146	3278127	118.595	ug/L		95
102) p-Diethylbenzene	12.184	119	3787905	133.087	ug/L		97
103) n-Butylbenzene	12.243	91	5124451	126.849	ug/L		96
104) 1,2-Dichlorobenzene	12.400	146	3011747	123.983	ug/L		96
105) 1,2,4,5-Tetramethylben...	12.987	119	5643187	140.898	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	219904	147.874	ug/L		97
107) 1,3,5-Trichlorobenzene	13.213	180	2464739	124.901	ug/L		95
108) Hexachlorobutadiene	13.791	225	912959	126.828	ug/L		99
109) 1,2,4-Trichlorobenzene	13.810	180	2099143	129.499	ug/L		98
110) Naphthalene	14.104	128	4182114	144.910	ug/L		100
111) 1,2,3-Trichlorobenzene	14.281	180	1780417	129.177	ug/L		98

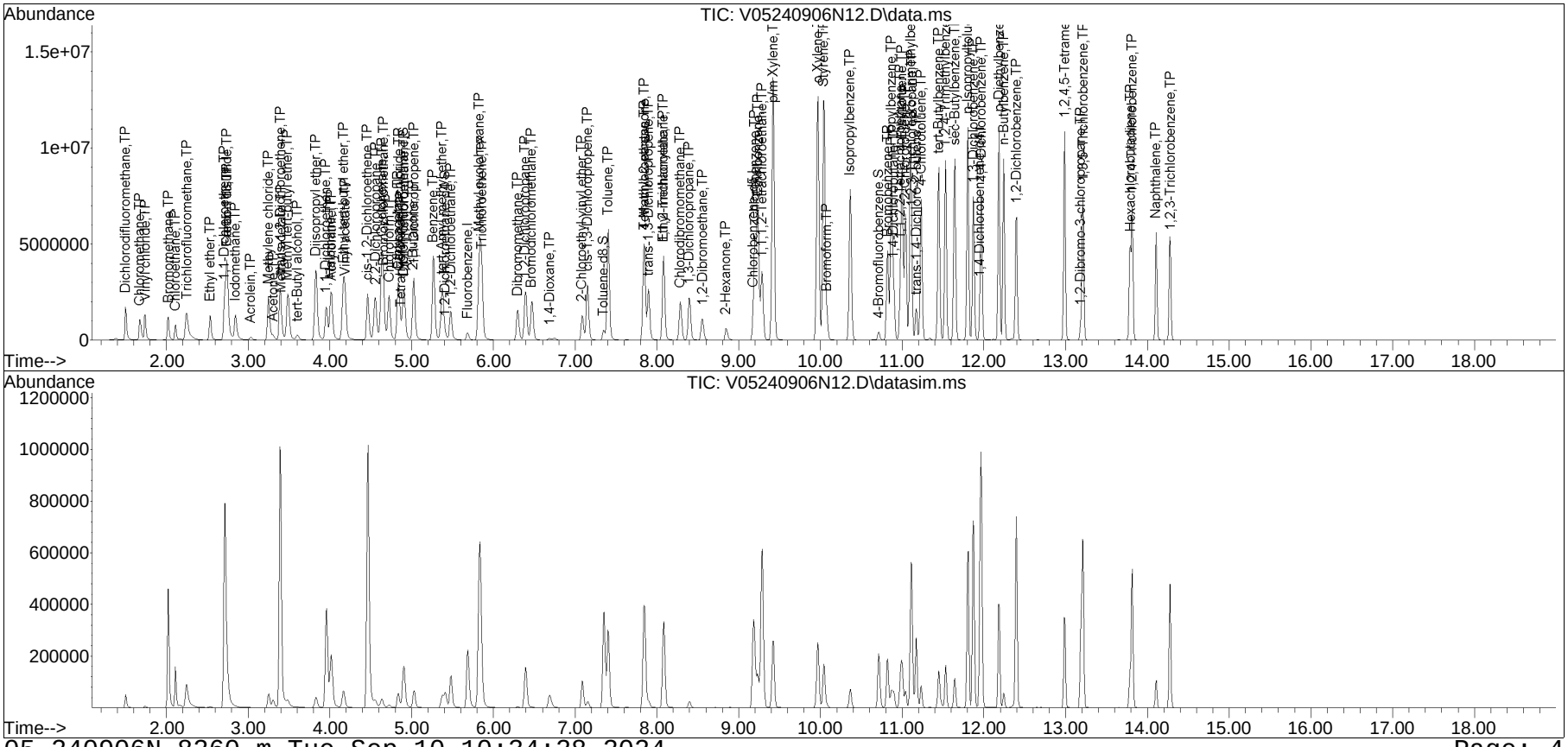
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N12.D
Acq On : 6 Sep 2024 9:28 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:23:01 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

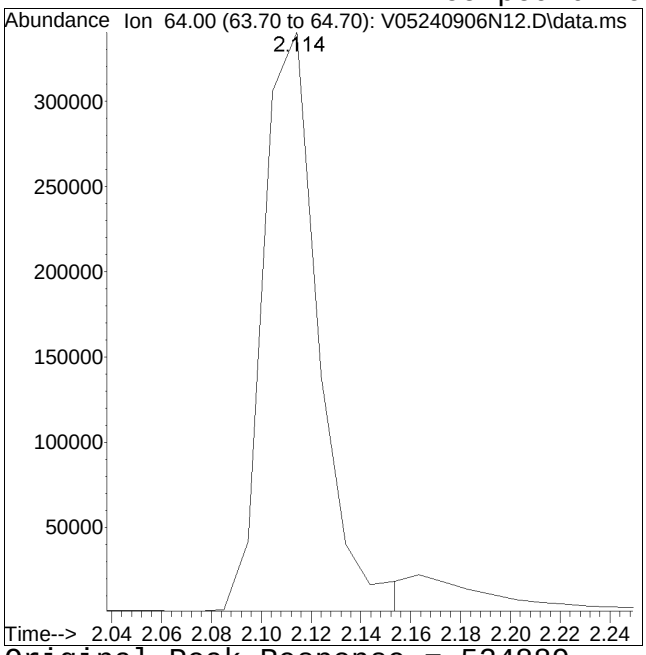
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•

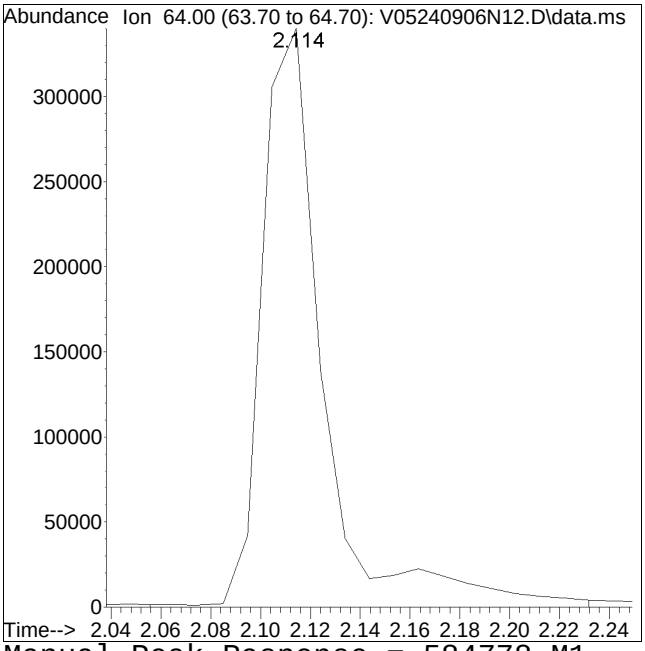


Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #6: Chloroethane



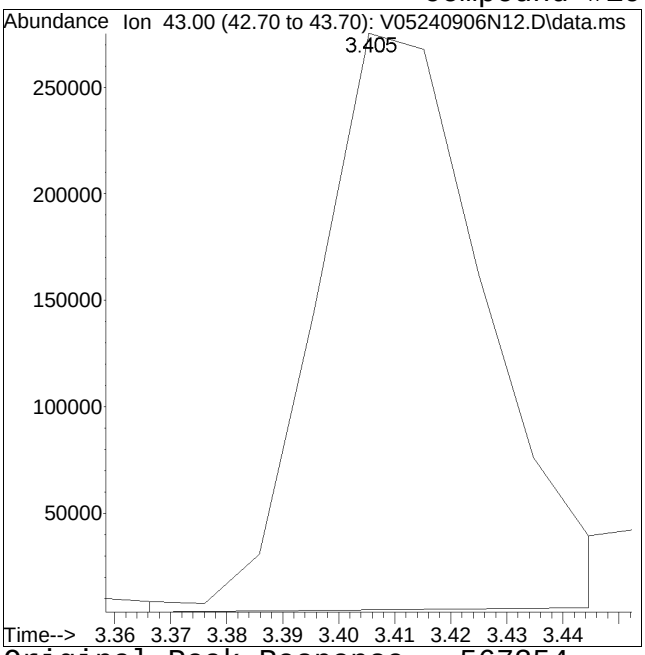


Original Peak Response = 524889 Manual Peak Response = 584778 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

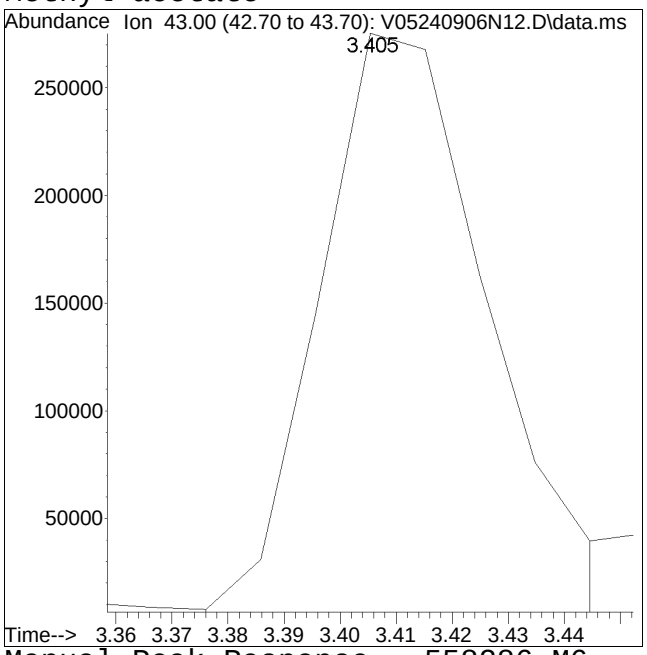
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #19: Methyl acetate



Original Peak Response = 567354



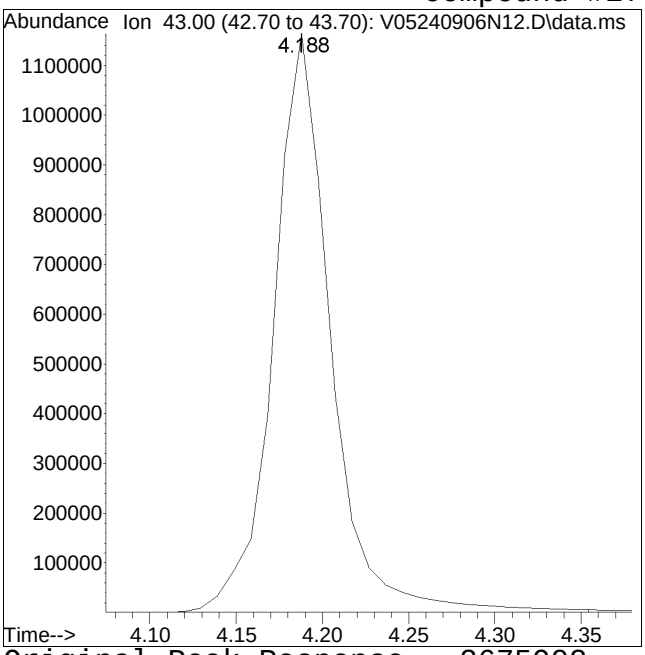
Manual Peak Response = 558286 M6

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

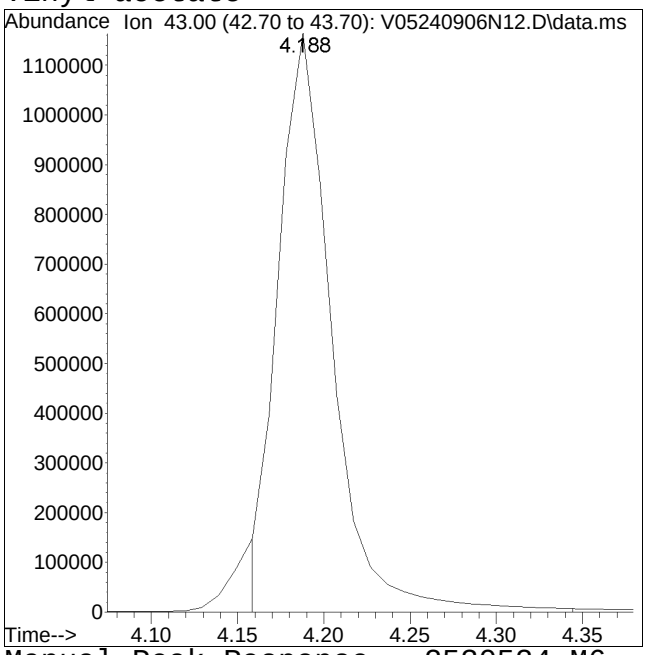
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #27: Vinyl acetate



Original Peak Response = 2675902



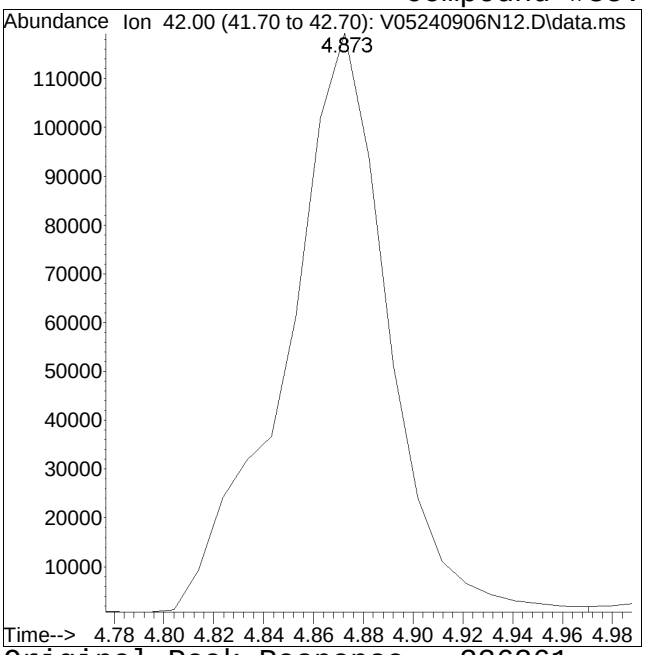
Manual Peak Response = 2530524 M6

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

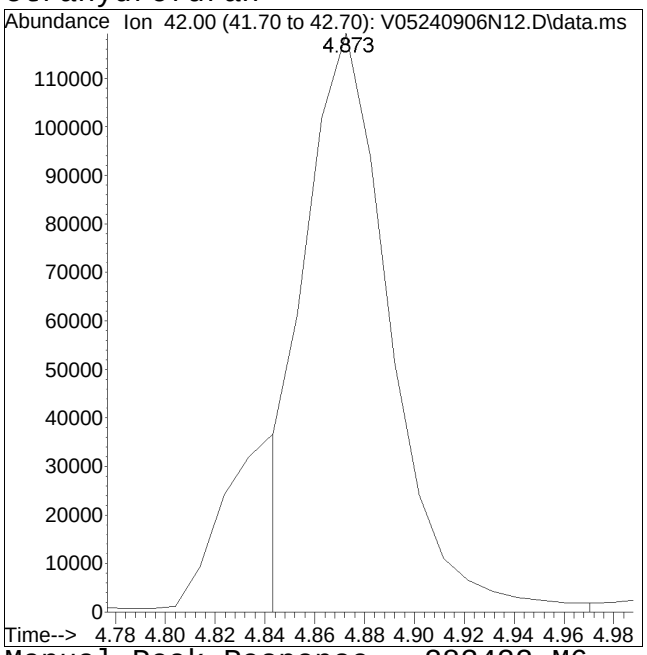
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 336361



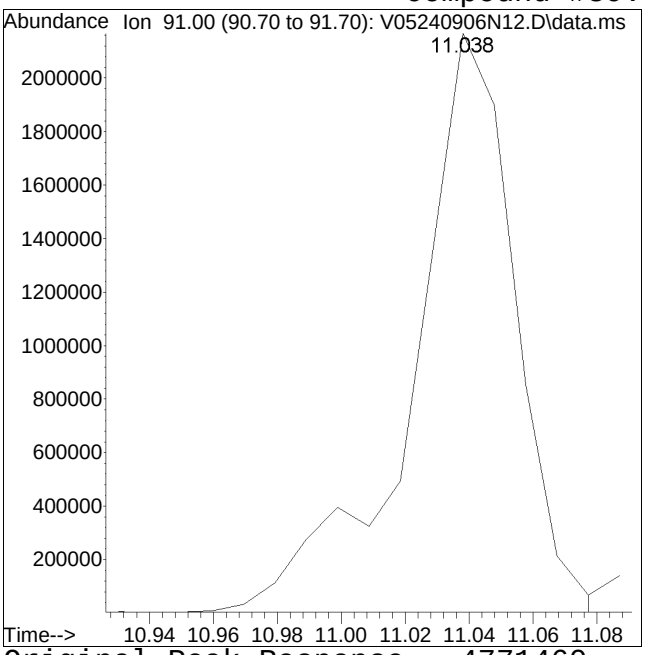
Manual Peak Response = 283422 M6

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

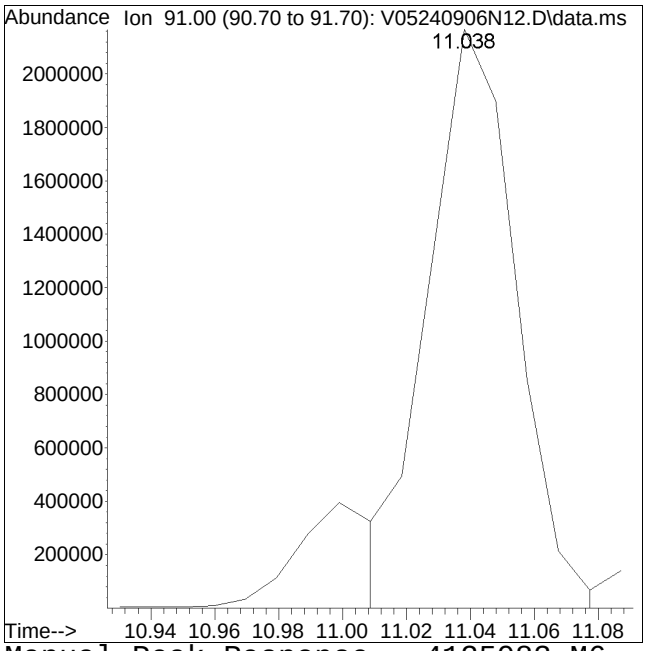
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 4771460



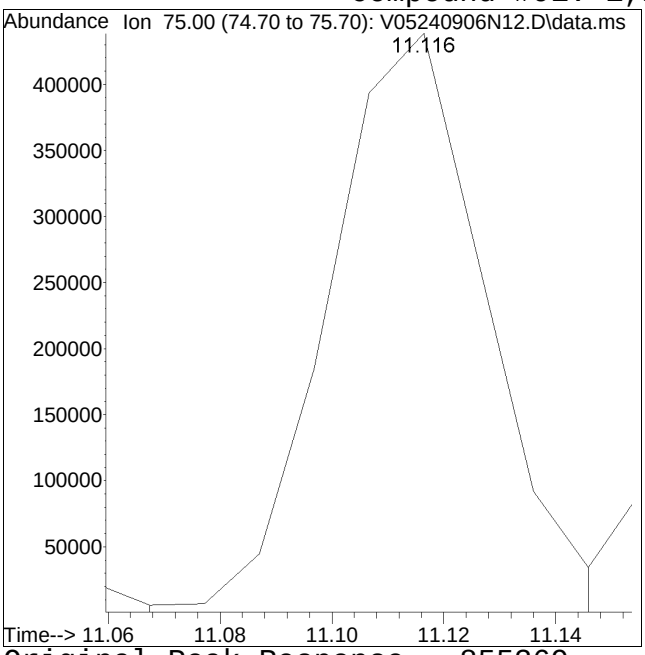
Manual Peak Response = 4125083 M6

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

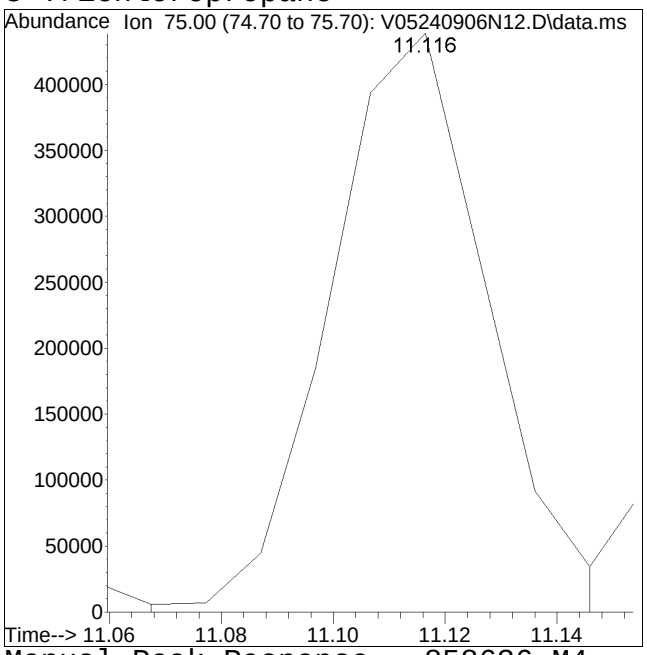
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N12.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:28 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 9/9/2024 11:22 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 855369



Manual Peak Response = 858636 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N13.D
Acq On : 6 Sep 2024 9:53 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 11:23:08 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	462135	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery = 142.98%			
59) Chlorobenzene-d5	9.177	117	393958	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery = 153.15%			
79) 1,4-Dichlorobenzene-d4	11.959	152	233250	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery = 138.25%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	128206	9.927	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.27%			
43) 1,2-Dichloroethane-d4	5.410	65	128600	9.631	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.31%			
60) Toluene-d8	7.347	98	459893	9.666	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.66%			
83) 4-Bromofluorobenzene	10.715	95	163162	10.082	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	2615750	193.362	ug/L	97
3) Chloromethane	1.674	50	2431290	186.181	ug/L	97
4) Vinyl chloride	1.733	62	2245689	197.641	ug/L	98
5) Bromomethane	2.016	94	1317651	238.231	ug/L	99
6) Chloroethane	2.104	64	917306M1	119.425	ug/L	
7) Trichlorofluoromethane	2.241	101	3265020	190.947	ug/L	99
8) Ethyl ether	2.535	74	827274	200.923	ug/L #	56
10) 1,1-Dichloroethene	2.711	96	1674189	196.778	ug/L	99
11) Carbon disulfide	2.740	76	5058129	193.137	ug/L	100
12) Freon-113	2.740	101	1832810	195.900	ug/L	83
13) Iodomethane	2.848	142	3149876	220.461	ug/L	92
14) Acrolein	3.034	56	246503	217.631	ug/L	98
15) Methylene chloride	3.249	84	1984806	196.502	ug/L #	75
17) Acetone	3.307	43	419679	192.126	ug/L	100
18) trans-1,2-Dichloroethene	3.386	96	2084171	207.233	ug/L	95
19) Methyl acetate	3.415	43	961156M6	199.338	ug/L	
20) Methyl tert-butyl ether	3.484	73	4902182	221.368	ug/L	88
21) tert-Butyl alcohol	3.601	59	562979	1123.604	ug/L	89
22) Diisopropyl ether	3.826	45	7240486	214.924	ug/L	92
23) 1,1-Dichloroethane	3.953	63	3442782	187.941	ug/L	98
24) Halothane	4.012	117	1728992	213.734	ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N13.D
Acq On : 6 Sep 2024 9:53 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 11:23:08 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.021	53	528088	207.722	ug/L	#	85
26) Ethyl tert-butyl ether	4.168	59	5592153	225.242	ug/L	#	76
27) Vinyl acetate	4.188	43	4456553M6	238.845	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	2325066	204.098	ug/L		94
29) 2,2-Dichloropropane	4.559	77	3001198	200.934	ug/L		88
30) Bromochloromethane	4.657	128	1079591	196.363	ug/L		89
31) Cyclohexane	4.638	56	3742350	211.766	ug/L		83
32) Chloroform	4.726	83	3679979	192.156	ug/L		95
33) Ethyl acetate	4.833	43	1696300	219.965	ug/L	#	91
34) Carbon tetrachloride	4.843	117	3525188	214.411	ug/L		99
35) Tetrahydrofuran	4.872	42	501938M6	202.390	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	3656427	204.805	ug/L		99
39) 2-Butanone	5.019	43	723051	217.754	ug/L	#	59
40) 1,1-Dichloropropene	5.029	75	2792905	211.246	ug/L		92
41) Benzene	5.273	78	7958612	204.412	ug/L		95
42) tert-Amyl methyl ether	5.371	73	4730070	230.523	ug/L		93
44) 1,2-Dichloroethane	5.479	62	2503299	194.745	ug/L		97
47) Methyl cyclohexane	5.831	83	3856715	216.004	ug/L		89
48) Trichloroethene	5.860	95	2318852	200.106	ug/L		90
50) Dibromomethane	6.300	93	1259506	209.470	ug/L	#	84
51) 1,2-Dichloropropane	6.398	63	1994366	205.129	ug/L	#	90
53) 2-Chloroethyl vinyl ether	7.093	63	1176828	246.151	ug/L		90
54) Bromodichloromethane	6.476	83	2969556	208.549	ug/L	#	99
57) 1,4-Dioxane	6.692	88	142721	2351.616	ug/L	#	94
58) cis-1,3-Dichloropropene	7.151	75	3285117	219.321	ug/L	#	85
61) Toluene	7.406	92	5452066	197.135	ug/L		98
62) 4-Methyl-2-pentanone	7.846	58	510582	247.775	ug/L	#	72
63) Tetrachloroethene	7.846	166	2975835	203.913	ug/L		90
65) trans-1,3-Dichloropropene	7.895	75	2867761	213.140	ug/L	#	82
67) Ethyl methacrylate	8.081	69	1996419	238.972	ug/L		97
68) 1,1,2-Trichloroethane	8.081	83	1359860	198.732	ug/L		98
69) Chlorodibromomethane	8.286	129	2564436	219.795	ug/L		98
70) 1,3-Dichloropropane	8.403	76	2673220	199.087	ug/L		98
71) 1,2-Dibromoethane	8.560	107	2036642	221.068	ug/L		99
72) 2-Hexanone	8.844	43	1017716	222.946	ug/L	#	89
73) Chlorobenzene	9.196	112	6597472	201.792	ug/L	#	85
74) Ethylbenzene	9.235	91	11082200	200.659	ug/L		92
75) 1,1,1,2-Tetrachloroethane	9.284	131	2534793	211.178	ug/L		99
76) p/m Xylene	9.422	106	8721874	408.949	ug/L		82
77) o Xylene	9.970	106	8419983	416.741	ug/L		82

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N13.D
Acq On : 6 Sep 2024 9:53 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 11:23:08 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.049	104	13797652	412.714	ug/L		87
80) Bromoform	10.078	173	1614830	233.680	ug/L		96
82) Isopropylbenzene	10.372	105	11999855	222.440	ug/L		93
84) Bromobenzene	10.822	156	3052591	215.221	ug/L		100
85) n-Propylbenzene	10.871	91	13271936	210.557	ug/L		91
86) 1,4-Dichlorobutane	10.901	55	2858753	211.080	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	1981378	211.486	ug/L		98
88) 4-Ethyltoluene	10.999	105	11429870	217.638	ug/L		95
89) 2-Chlorotoluene	11.048	91	7106559M6	199.983	ug/L		
90) 1,3,5-Trimethylbenzene	11.107	105	9811378	211.687	ug/L		93
91) 1,2,3-Trichloropropane	11.116	75	1498942	206.062	ug/L		89
92) trans-1,4-Dichloro-2-b...	11.175	53	651781	209.908	ug/L	#	65
93) 4-Chlorotoluene	11.234	91	7778362	211.780	ug/L	#	86
94) tert-Butylbenzene	11.449	119	9053346	223.058	ug/L		97
97) 1,2,4-Trimethylbenzene	11.538	105	9716711	218.884	ug/L		93
98) sec-Butylbenzene	11.645	105	12714477	214.093	ug/L		94
99) p-Isopropyltoluene	11.802	119	11299950	220.706	ug/L		94
100) 1,3-Dichlorobenzene	11.871	146	5840950	208.451	ug/L		96
101) 1,4-Dichlorobenzene	11.969	146	5802781	201.473	ug/L		96
102) p-Diethylbenzene	12.184	119	6747031	227.504	ug/L		98
103) n-Butylbenzene	12.243	91	9032965	214.590	ug/L	#	96
104) 1,2-Dichlorobenzene	12.400	146	5306734	209.658	ug/L		96
105) 1,2,4,5-Tetramethylben...	12.987	119	9868945	236.477	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	379081	244.641	ug/L		97
107) 1,3,5-Trichlorobenzene	13.213	180	4244201	206.411	ug/L		96
108) Hexachlorobutadiene	13.791	225	1612555	214.990	ug/L		99
109) 1,2,4-Trichlorobenzene	13.810	180	3621201	214.395	ug/L		99
110) Naphthalene	14.104	128	7027667	233.697	ug/L		100
111) 1,2,3-Trichlorobenzene	14.280	180	3060105	213.078	ug/L		98

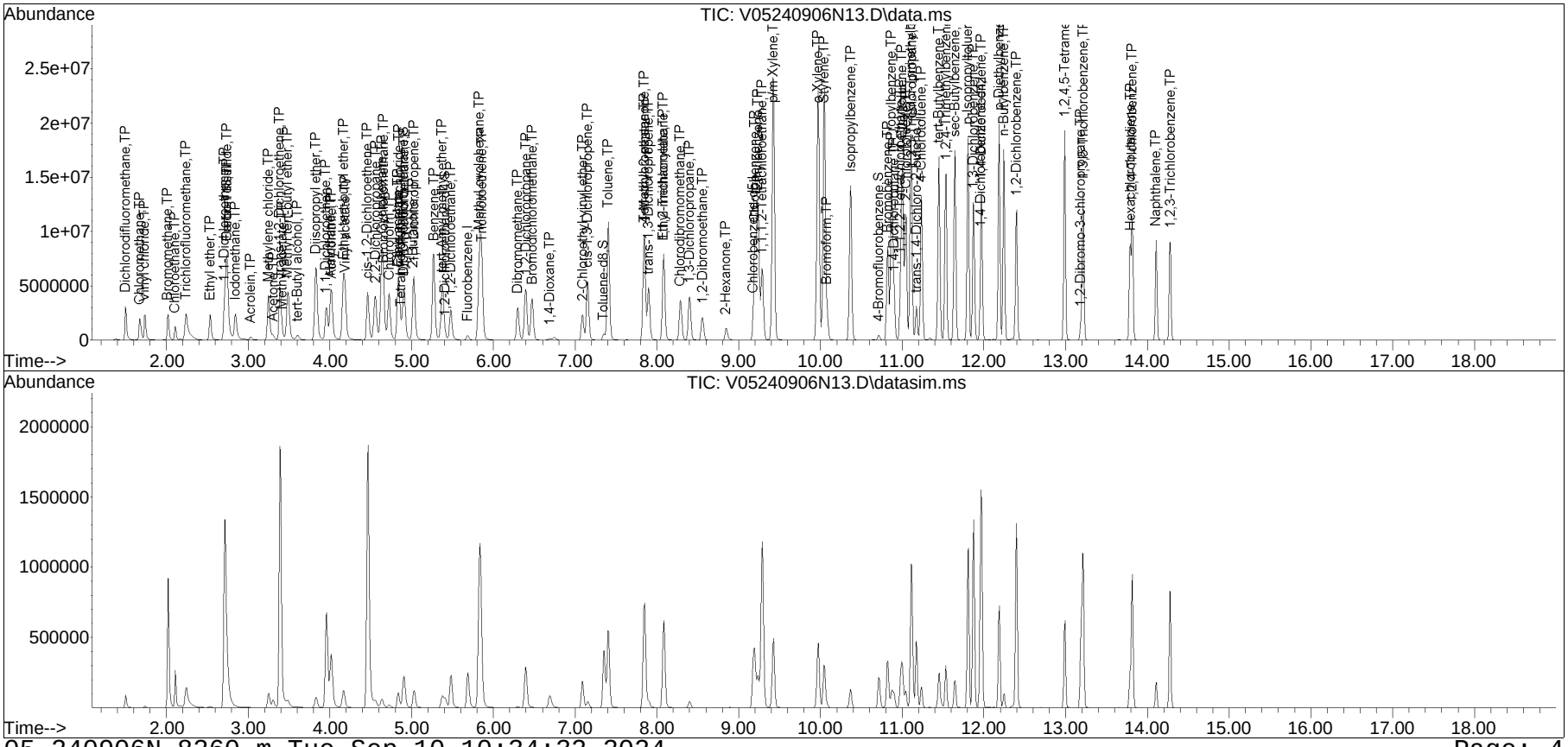
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N13.D
Acq On : 6 Sep 2024 9:53 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 11:23:08 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:21:44 2024
Response via : Initial Calibration

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

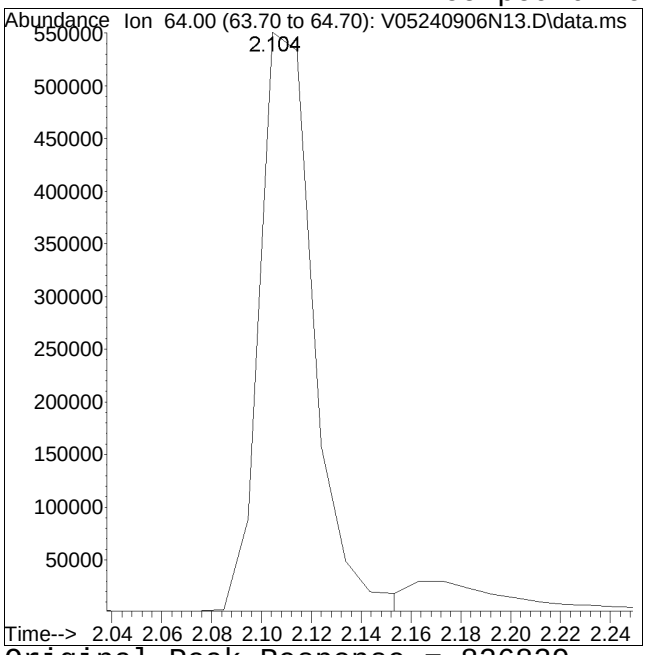


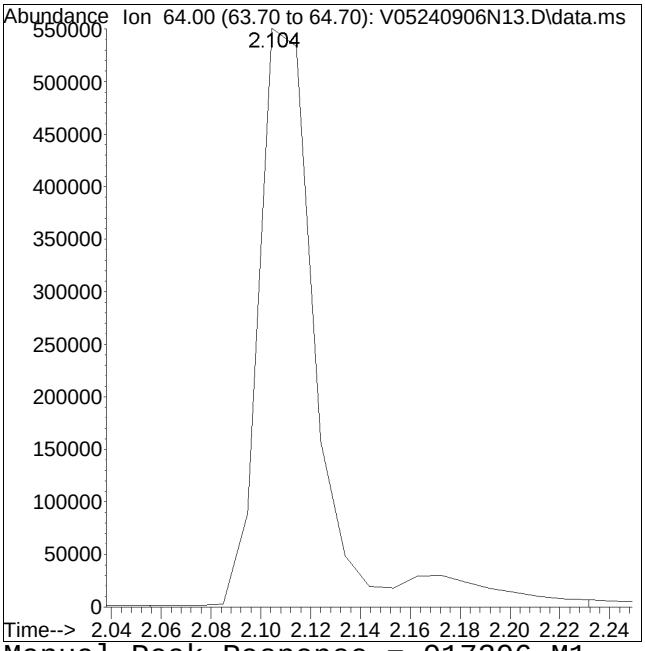
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N13.D
Date Inj'd : 9/6/2024 9:53 pm
Sample : I8260STD200PPB

Method : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/9/2024 11:23 am

Compound #6: Chloroethane





Original Peak Response = 826829 Manual Peak Response = 917306 M1

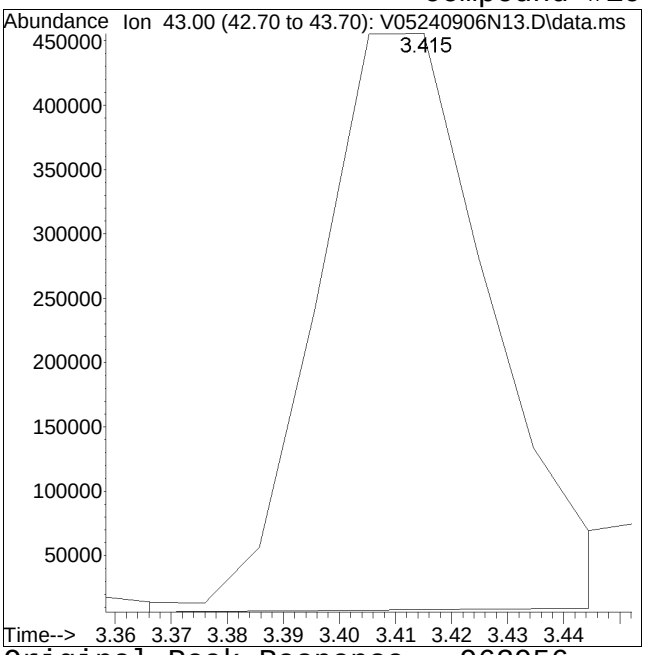
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

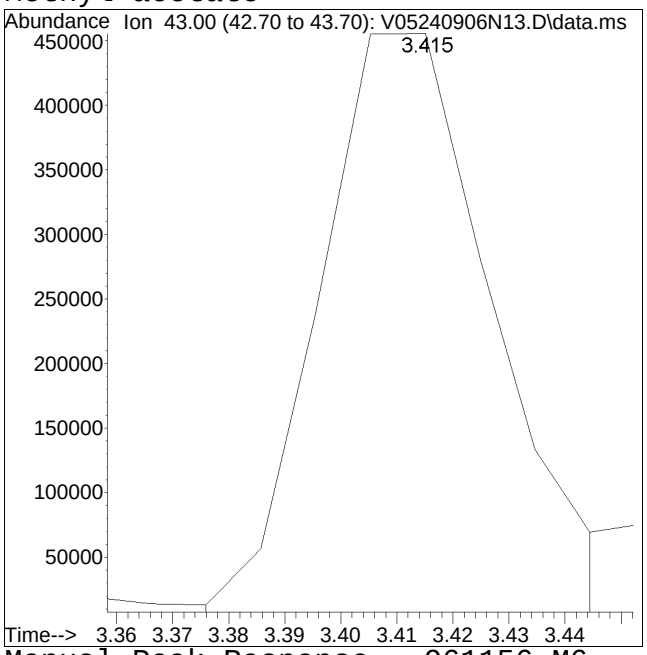
Data Path : K:\VOA105\2024\240906NICALQ
Data File : V05240906N13.D
Date Inj'd : 9/6/2024 9:53 pm
Sample : I8260STD200PPB

Method : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/9/2024 11:23 am

Compound #19: Methyl acetate



Original Peak Response = 963956



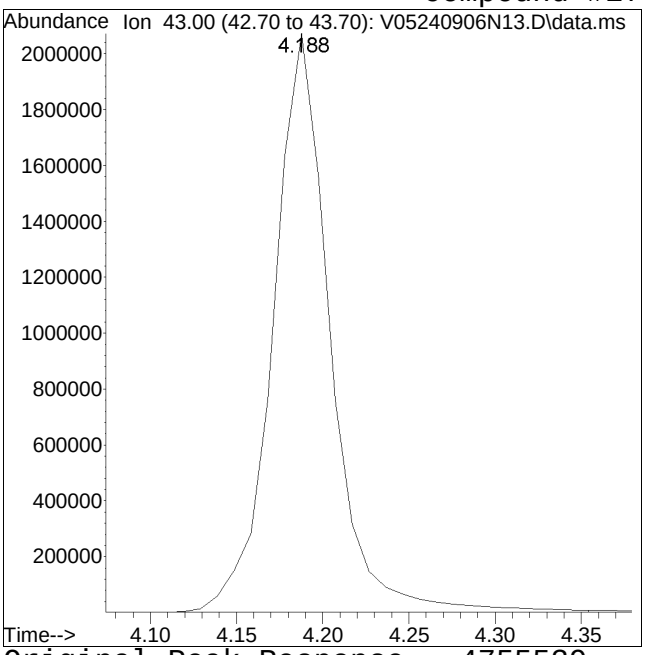
Manual Peak Response = 961156 M6

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

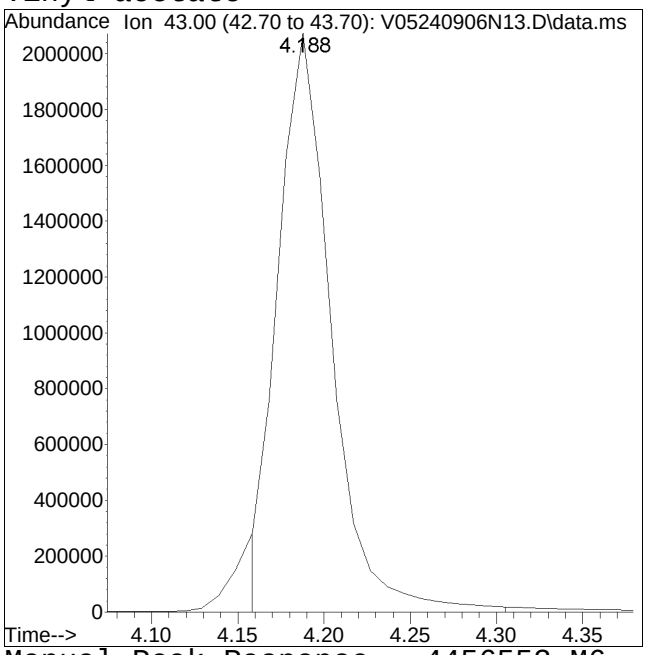
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N13.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:53 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 9/9/2024 11:23 am

Compound #27: Vinyl acetate



Original Peak Response = 4755539



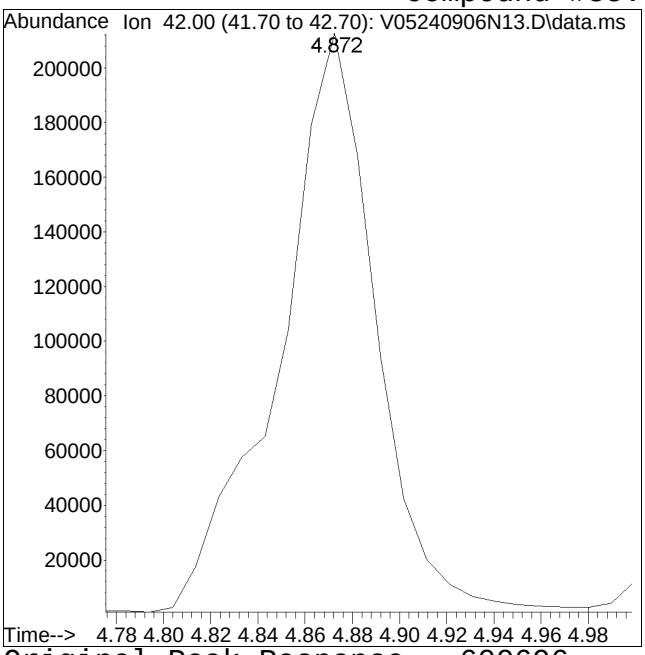
Manual Peak Response = 4456553 M6

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

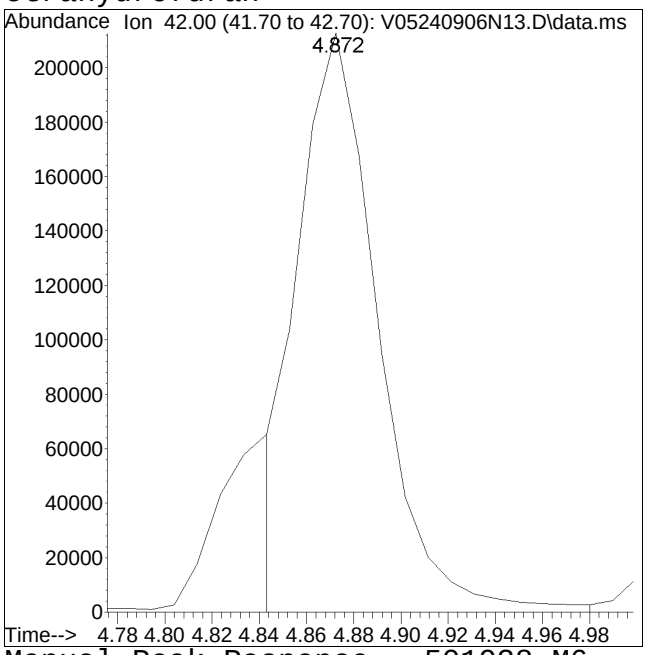
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N13.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:53 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 9/9/2024 11:23 am

Compound #35: Tetrahydrofuran



Original Peak Response = 600696



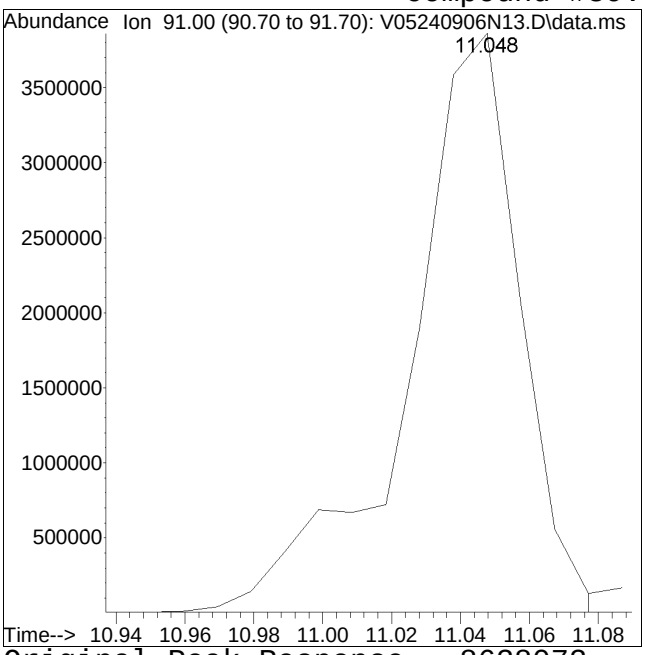
Manual Peak Response = 501938 M6

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

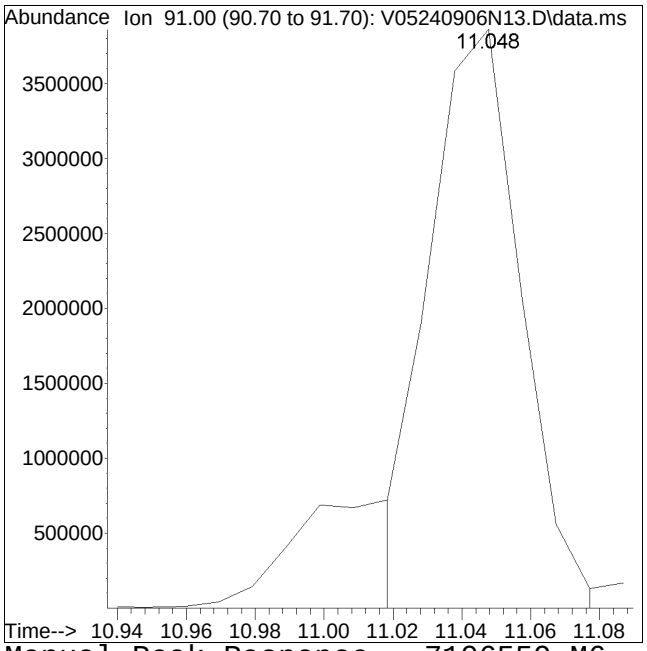
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N13.D Operator : VOA105:PID
Date Inj'd : 9/6/2024 9:53 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 9/9/2024 11:23 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 8638073



Manual Peak Response = 7106559 M6

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

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00
2	TP	Dichlorodifluoromethane	0.293	0.292	0.3	98	0.00
3	TP	Chloromethane	0.283	0.348	-23.0#	125	0.00
4	TP	Vinyl chloride	0.246	0.264	-7.3	107	0.00
5	TP	Bromomethane	0.120	0.145	-20.8#	141	0.00
6	TP	Chloroethane	* 10.000	8.681	13.2	100	0.00
7	TP	Trichlorofluoromethane	0.370	0.400	-8.1	108	0.00
8	TP	Ethyl ether	0.089	0.094	-5.6	115	0.00
10	TP	1,1-Dichloroethene	0.184	0.190	-3.3	105	0.00
11	TP	Carbon disulfide	0.567	0.536	5.5	96	0.00
12	TP	Freon-113	0.202	0.219	-8.4	108	0.00
13	TP	Iodomethane	0.309	0.254	17.8	90	0.00
14	TP	Acrolein	0.025	0.020	20.0#	98	0.00
15	TP	Methylene chloride	0.219	0.218	0.5	106	0.00
17	TP	Acetone	0.047	0.048	-2.1	113	0.00
18	TP	trans-1,2-Dichloroethene	0.218	0.228	-4.6	109	0.00
19	TP	Methyl acetate	0.104	0.102	1.9	115	0.00
20	TP	Methyl tert-butyl ether	0.479	0.435	9.2	101	0.00
21	TP	tert-Butyl alcohol	0.011	0.011	0.0	127	0.00
22	TP	Diisopropyl ether	0.729	0.738	-1.2	111	0.00
23	TP	1,1-Dichloroethane	0.396	0.409	-3.3	105	0.00
24	TP	Halothane	0.175	0.188	-7.4	111	0.00
25	TP	Acrylonitrile	0.055	0.050	9.1	102	0.00
26	TP	Ethyl tert-butyl ether	0.537	0.542	-0.9	112	0.00
27	TP	Vinyl acetate	0.434	0.339	21.9#	96	0.00
28	TP	cis-1,2-Dichloroethene	0.247	0.248	-0.4	106	0.00
29	TP	2,2-Dichloropropane	0.323	0.312	3.4	100	0.00
30	TP	Bromochloromethane	0.119	0.120	-0.8	104	0.00
31	TP	Cyclohexane	0.382	0.408	-6.8	104	0.00
32	TP	Chloroform	0.414	0.416	-0.5	106	0.00
33	TP	Ethyl acetate	0.167	0.155	7.2	115	0.00
34	TP	Carbon tetrachloride	0.356	0.361	-1.4	106	0.00
35	TP	Tetrahydrofuran	0.054	0.051	5.6	112	0.01
36	S	Dibromofluoromethane	0.279	0.273	2.2	109	0.00
37	TP	1,1,1-Trichloroethane	0.386	0.399	-3.4	105	0.00
39	TP	2-Butanone	0.072	0.070	2.8	119	0.00
40	TP	1,1-Dichloropropene	0.286	0.306	-7.0	109	0.00
41	TP	Benzene	0.842	0.844	-0.2	102	0.00
42	TP	tert-Amyl methyl ether	0.444	0.439	1.1	110	0.01

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.289	0.296	-2.4	108	0.00
44	TP	1,2-Dichloroethane	0.278	0.283	-1.8	108	0.00
47	TP	Methyl cyclohexane	0.386	0.404	-4.7	106	0.00
48	TP	Trichloroethene	0.251	0.248	1.2	105	0.00
50	TP	Dibromomethane	0.130	0.123	5.4	104	0.00
51	TP	1,2-Dichloropropane	0.210	0.215	-2.4	106	0.00
53	TP	2-Chloroethyl vinyl ether	0.113	0.092	18.6	100	0.00
54	TP	Bromodichloromethane	0.308	0.293#	4.9	104	0.00
57	TP	1,4-Dioxane	0.00131	0.00148#	-13.0	129	0.00
58	TP	cis-1,3-Dichloropropene	0.324	0.332	-2.5	109	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
60	S	Toluene-d8	1.208	1.233	-2.1	109	0.00
61	TP	Toluene	0.702	0.729	-3.8	107	0.00
62	TP	4-Methyl-2-pentanone	0.058	0.054	6.9	111	0.00
63	TP	Tetrachloroethene	0.370	0.381	-3.0	105	0.00
65	TP	trans-1,3-Dichloropropene	0.342	0.356	-4.1	109	0.00
67	TP	Ethyl methacrylate	0.231	0.220	4.8	114	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.181#	-4.0	109	0.00
69	TP	Chlorodibromomethane	0.296	0.288	2.7	107	0.00
70	TP	1,3-Dichloropropane	0.341	0.351	-2.9	106	0.00
71	TP	1,2-Dibromoethane	0.234	0.245	-4.7	109	0.00
72	TP	2-Hexanone	0.116	0.107	7.8	113	0.01
73	TP	Chlorobenzene	0.830	0.860	-3.6	109	0.00
74	TP	Ethylbenzene	1.402	1.401	0.1	101	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.305	0.303	0.7	107	0.00
76	TP	p/m Xylene	0.541	0.565	-4.4	104	0.00
77	TP	o Xylene	0.513	0.534	-4.1	104	0.00
78	TP	Styrene	0.849	0.897	-5.7	105	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	TP	Bromoform	0.296	0.287	3.0	112	0.00
82	TP	Isopropylbenzene	2.313	2.087	9.8	90	0.00
83	S	4-Bromofluorobenzene	0.694	0.699	-0.7	110	0.00
84	TP	Bromobenzene	0.608	0.574	5.6	101	0.00
85	TP	n-Propylbenzene	2.702	2.773	-2.6	102	0.00
86	TP	1,4-Dichlorobutane	0.581	0.577	0.7	104	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.402	0.383	4.7	104	0.00
88	TP	4-Ethyltoluene	2.252	2.467	-9.5	109	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene		1.524	1.557	-2.2	102	0.00
90 TP	1,3,5-Trimethylbenzene		1.987	1.994	-0.4	99	0.00
91 TP	1,2,3-Trichloropropane		0.312	0.295	5.4	100	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.133	0.122	8.3	100	0.00
93 TP	4-Chlorotoluene		1.575	1.626	-3.2	103	0.00
94 TP	tert-Butylbenzene		1.740	1.759	-1.1	100	0.00
97 TP	1,2,4-Trimethylbenzene		1.903	1.985	-4.3	103	0.00
98 TP	sec-Butylbenzene		2.546	2.583	-1.5	101	0.01
99 TP	p-Isopropyltoluene		2.195	2.263	-3.1	101	0.00
100 TP	1,3-Dichlorobenzene		1.201	1.221	-1.7	104	0.00
101 TP	1,4-Dichlorobenzene		1.235	1.242	-0.6	105	0.00
102 TP	p-Diethylbenzene		1.271	1.307	-2.8	103	0.00
103 TP	n-Butylbenzene		1.805	1.899	-5.2	102	0.00
104 TP	1,2-Dichlorobenzene		1.085	1.117	-2.9	106	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.922	1.824	5.1	105	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	9.658	3.4	114	0.00
107 TP	1,3,5-Trichlorobenzene		0.882	0.898	-1.8	104	0.00
108 TP	Hexachlorobutadiene		0.322	0.315	2.2	103	0.00
109 TP	1,2,4-Trichlorobenzene		0.724	0.730	-0.8	106	0.00
110 TP	Naphthalene	*	10.000	9.082	9.2	110	0.00
111 TP	1,2,3-Trichlorobenzene		0.616	0.629	-2.1	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	355839	10.000	ug/L	0.00
Standard Area 1 = 323219			Recovery = 110.09%			
59) Chlorobenzene-d5	9.177	117	282578	10.000	ug/L	0.00
Standard Area 1 = 257237			Recovery = 109.85%			
79) 1,4-Dichlorobenzene-d4	11.949	152	179582	10.000	ug/L	0.00
Standard Area 1 = 168721			Recovery = 106.44%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	97147	9.769	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.69%			
43) 1,2-Dichloroethane-d4	5.410	65	105336	10.246	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.46%			
60) Toluene-d8	7.347	98	348357	10.207	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.07%			
83) 4-Bromofluorobenzene	10.715	95	125466	10.069	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.69%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	104036	9.988	ug/L	96
3) Chloromethane	1.674	50	123782	12.310	ug/L	97
4) Vinyl chloride	1.743	62	93973	10.741	ug/L	99
5) Bromomethane	2.026	94	51599	12.116	ug/L	96
6) Chloroethane	2.114	64	52939	8.681	ug/L	95
7) Trichlorofluoromethane	2.251	101	142165	10.798	ug/L	99
8) Ethyl ether	2.535	74	33611	10.602	ug/L #	56
10) 1,1-Dichloroethene	2.711	96	67501	10.304	ug/L	97
11) Carbon disulfide	2.740	76	190832	9.463	ug/L	100
12) Freon-113	2.740	101	77874	10.810	ug/L	97
13) Iodomethane	2.848	142	90416	8.219	ug/L	91
14) Acrolein	3.043	56	7117	8.160	ug/L	93
15) Methylene chloride	3.249	84	77700	9.990	ug/L #	73
17) Acetone	3.317	43	17137	10.189	ug/L	95
18) trans-1,2-Dichloroethene	3.396	96	81213	10.487	ug/L	95
19) Methyl acetate	3.415	43	36333M6	9.849	ug/L	
20) Methyl tert-butyl ether	3.484	73	154844	9.081	ug/L #	84
21) tert-Butyl alcohol	3.611	59	19782	51.275	ug/L	86
22) Diisopropyl ether	3.836	45	262636	10.125	ug/L #	92
23) 1,1-Dichloroethane	3.963	63	145627	10.325	ug/L	97
24) Halothane	4.012	117	66829	10.729	ug/L	100

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.031	53	17773	9.079	ug/L	#	88
26) Ethyl tert-butyl ether	4.168	59	193027	10.097	ug/L	#	84
27) Vinyl acetate	4.198	43	120685M1	7.809	ug/L		
28) cis-1,2-Dichloroethene	4.462	96	88304	10.067	ug/L		94
29) 2,2-Dichloropropane	4.560	77	110895	9.642	ug/L		85
30) Bromochloromethane	4.657	128	42605	10.064	ug/L	#	85
31) Cyclohexane	4.638	56	145331	10.680	ug/L		83
32) Chloroform	4.726	83	148161	10.048	ug/L		94
33) Ethyl acetate	4.843	43	54994	9.262	ug/L	#	94
34) Carbon tetrachloride	4.843	117	128529	10.153	ug/L		98
35) Tetrahydrofuran	4.882	42	18080M6	9.468	ug/L		
37) 1,1,1-Trichloroethane	4.912	97	142128	10.339	ug/L		97
39) 2-Butanone	5.029	43	24935	9.753	ug/L	#	62
40) 1,1-Dichloropropene	5.029	75	109036	10.711	ug/L		93
41) Benzene	5.274	78	300341	10.018	ug/L		95
42) tert-Amyl methyl ether	5.381	73	156091	9.880	ug/L		97
44) 1,2-Dichloroethane	5.479	62	100634	10.167	ug/L		99
47) Methyl cyclohexane	5.831	83	143713	10.453	ug/L		89
48) Trichloroethene	5.860	95	88422	9.910	ug/L		90
50) Dibromomethane	6.301	93	43780	9.456	ug/L		89
51) 1,2-Dichloropropane	6.398	63	76332	10.196	ug/L	#	89
53) 2-Chloroethyl vinyl ether	7.093	63	32711	8.140	ug/L		88
54) Bromodichloromethane	6.477	83	104152	9.499	ug/L		98
57) 1,4-Dioxane	6.692	88	26303	562.858	ug/L	#	88
58) cis-1,3-Dichloropropene	7.151	75	118078	10.238	ug/L	#	83
61) Toluene	7.406	92	205915	10.380	ug/L		96
62) 4-Methyl-2-pentanone	7.856	58	15283	9.308	ug/L	#	63
63) Tetrachloroethene	7.846	166	107758	10.294	ug/L		91
65) trans-1,3-Dichloropropene	7.905	75	100597	10.424	ug/L	#	78
67) Ethyl methacrylate	8.090	69	62274	9.545	ug/L		95
68) 1,1,2-Trichloroethane	8.081	83	51051	10.401	ug/L		99
69) Chlorodibromomethane	8.286	129	81473	9.735	ug/L		99
70) 1,3-Dichloropropane	8.403	76	99279	10.308	ug/L		100
71) 1,2-Dibromoethane	8.560	107	69144	10.463	ug/L		100
72) 2-Hexanone	8.863	43	30124	9.200	ug/L	#	85
73) Chlorobenzene	9.196	112	243152	10.369	ug/L	#	85
74) Ethylbenzene	9.236	91	395960	9.995	ug/L		93
75) 1,1,1,2-Tetrachloroethane	9.285	131	85590	9.941	ug/L		98
76) p/m Xylene	9.422	106	319055	20.856	ug/L		83
77) o Xylene	9.960	106	301671	20.816	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.039	104	506740	21.132	ug/L	#	83
80) Bromoform	10.068	173	51491	9.678	ug/L		97
82) Isopropylbenzene	10.362	105	374826	9.025	ug/L		96
84) Bromobenzene	10.823	156	103091	9.440	ug/L		100
85) n-Propylbenzene	10.862	91	497960	10.261	ug/L		94
86) 1,4-Dichlorobutane	10.901	55	103679	9.943	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.979	83	68775	9.535	ug/L		98
88) 4-Ethyltoluene	10.999	105	442992	10.956	ug/L		96
89) 2-Chlorotoluene	11.038	91	279679M6	10.222	ug/L		
90) 1,3,5-Trimethylbenzene	11.097	105	358075	10.035	ug/L		93
91) 1,2,3-Trichloropropane	11.116	75	53044M1	9.471	ug/L		
92) trans-1,4-Dichloro-2-b...	11.175	53	21932	9.174	ug/L	#	77
93) 4-Chlorotoluene	11.234	91	292004M6	10.326	ug/L		
94) tert-Butylbenzene	11.449	119	315818	10.107	ug/L		98
97) 1,2,4-Trimethylbenzene	11.528	105	356460	10.430	ug/L		94
98) sec-Butylbenzene	11.645	105	463923	10.146	ug/L		96
99) p-Isopropyltoluene	11.802	119	406380	10.309	ug/L		94
100) 1,3-Dichlorobenzene	11.871	146	219295	10.165	ug/L		95
101) 1,4-Dichlorobenzene	11.969	146	222954	10.054	ug/L		95
102) p-Diethylbenzene	12.184	119	234715	10.280	ug/L		96
103) n-Butylbenzene	12.243	91	341001	10.522	ug/L		96
104) 1,2-Dichlorobenzene	12.400	146	200607	10.294	ug/L		96
105) 1,2,4,5-Tetramethylben...	12.987	119	327531	9.490	ug/L		93
106) 1,2-Dibromo-3-chloropr...	13.183	155	12128	9.658	ug/L		94
107) 1,3,5-Trichlorobenzene	13.213	180	161337	10.191	ug/L		96
108) Hexachlorobutadiene	13.791	225	56621	9.805	ug/L		98
109) 1,2,4-Trichlorobenzene	13.810	180	131129	10.084	ug/L		97
110) Naphthalene	14.104	128	236906	9.082	ug/L		100
111) 1,2,3-Trichlorobenzene	14.281	180	112892	10.210	ug/L		98

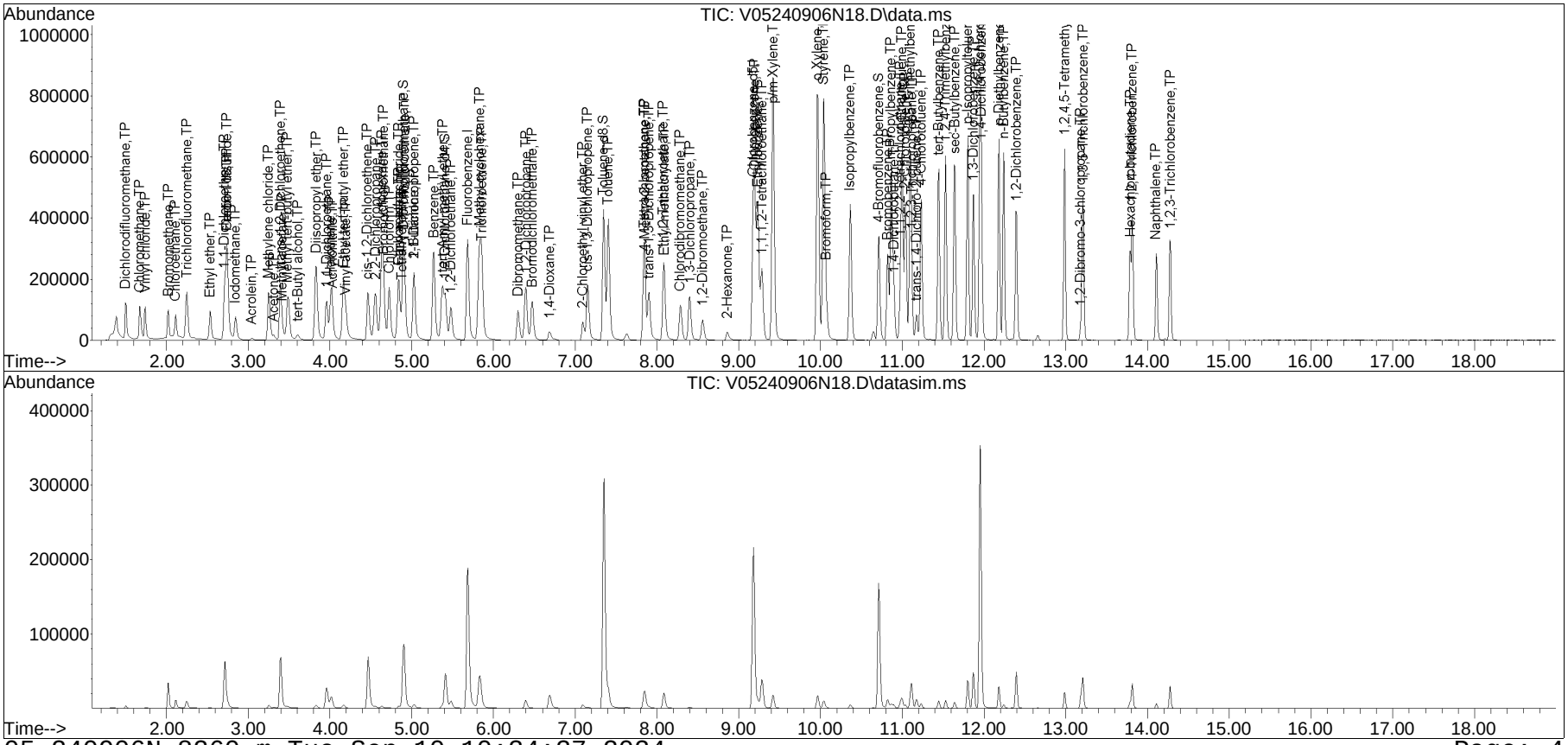
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

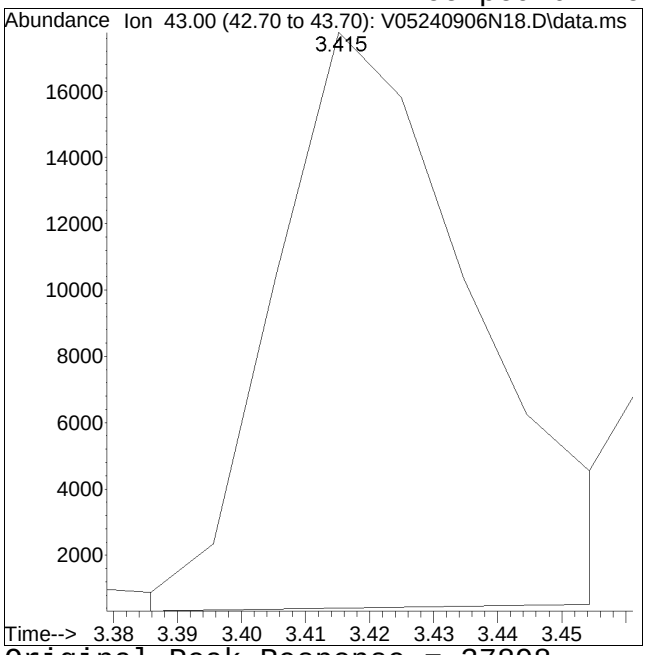
Sub List : 8260-Curve - Megamix plus Diox\V05240906N09.D•



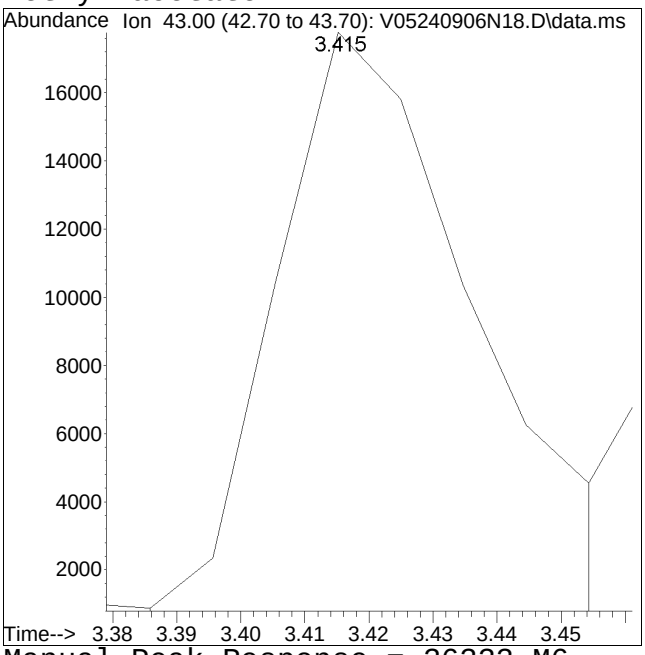
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #19: Methyl acetate



Original Peak Response = 37898



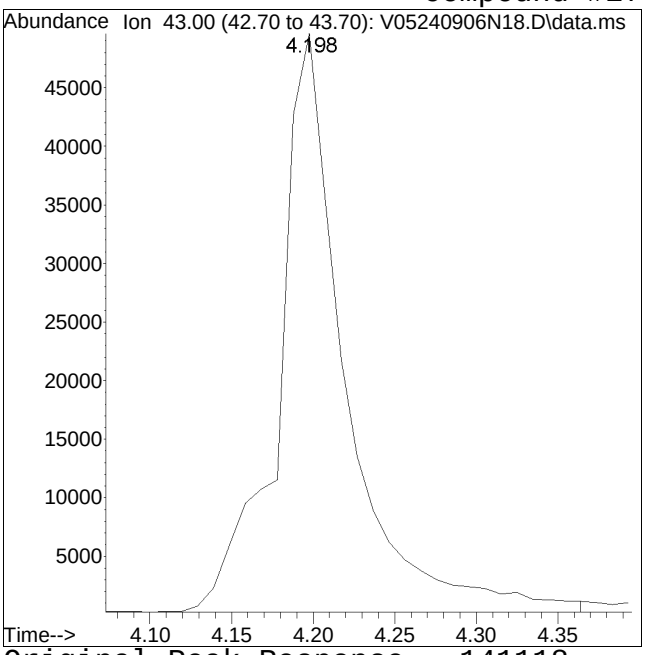
Manual Peak Response = 36333 M6

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

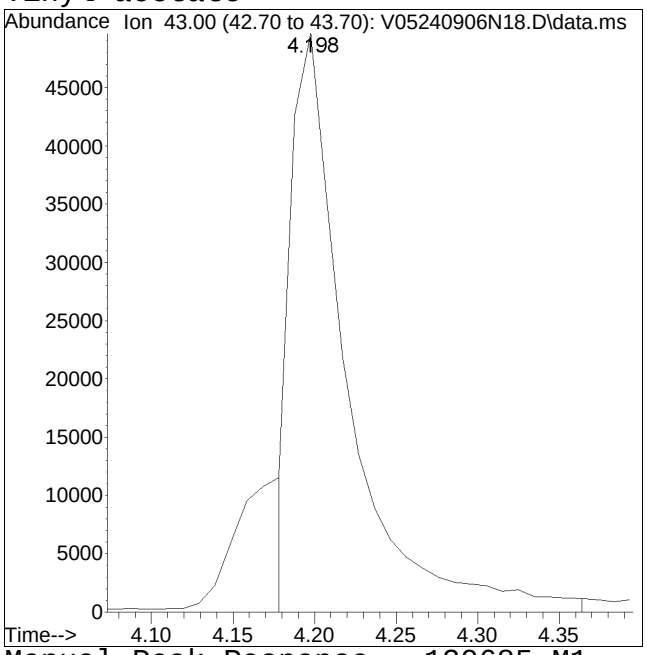
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #27: Vinyl acetate



Original Peak Response = 141118



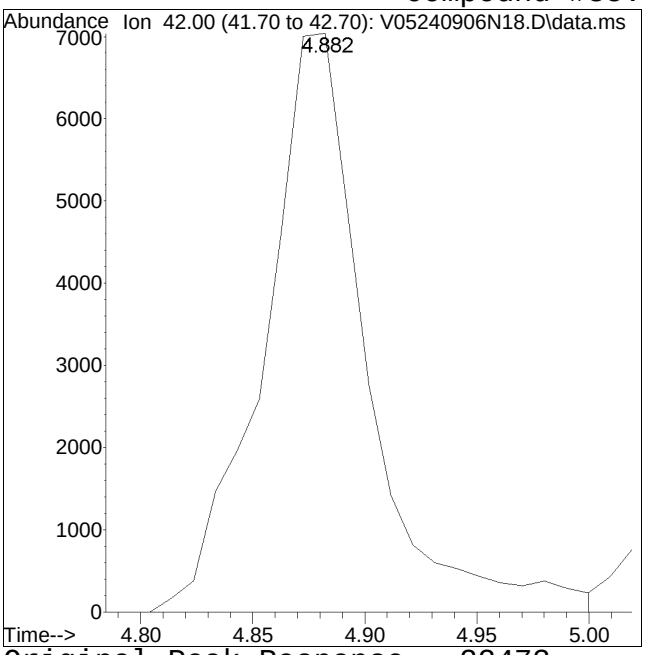
Manual Peak Response = 120685 M1

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

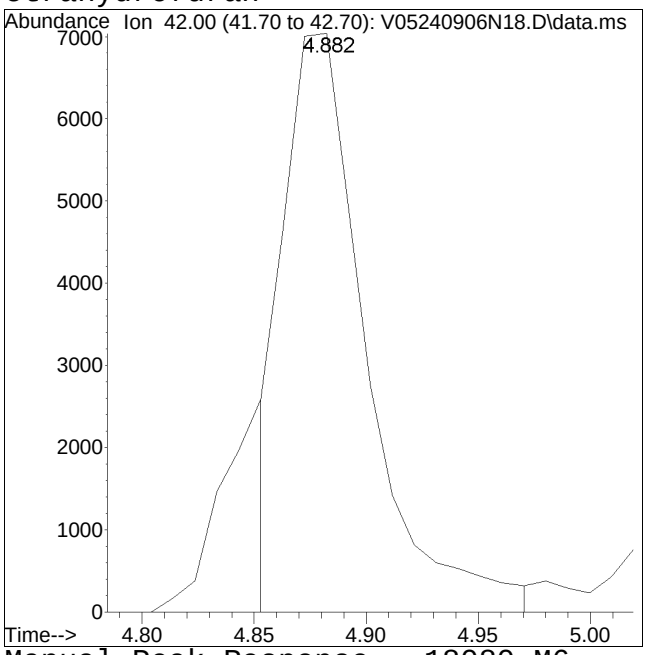
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #35: Tetrahydrofuran



Original Peak Response = 22473



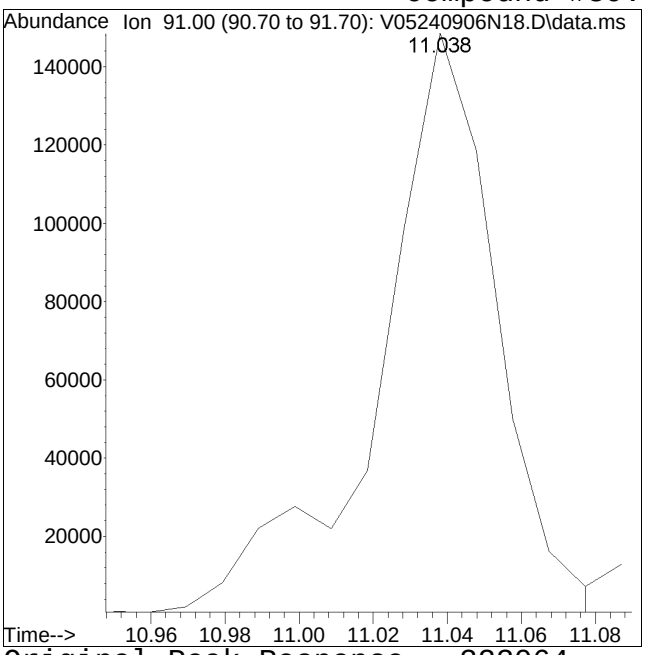
Manual Peak Response = 18080 M6

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

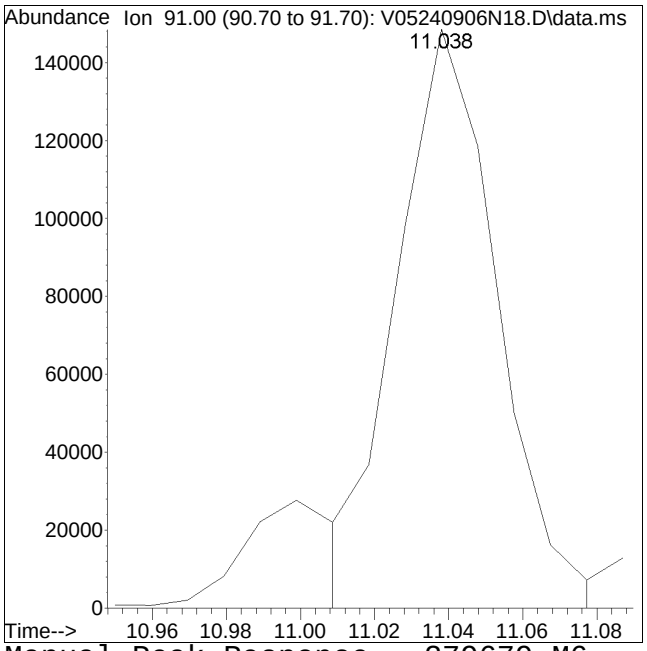
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 323064



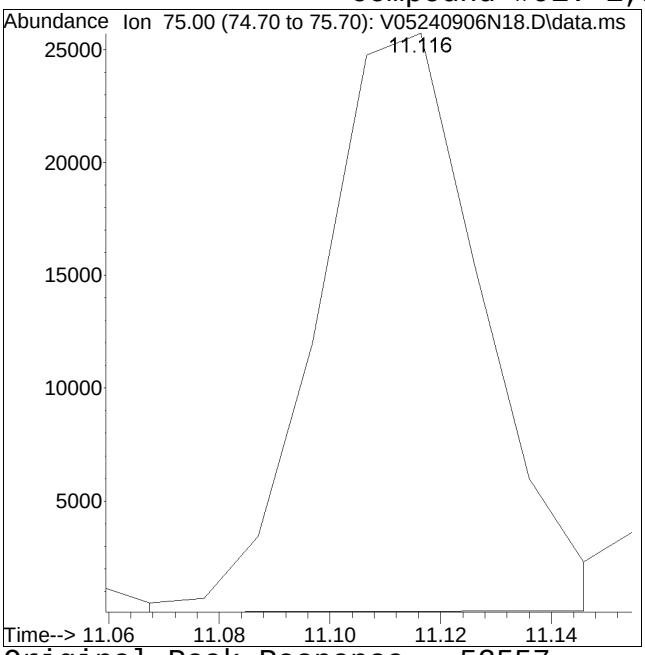
Manual Peak Response = 279679 M6

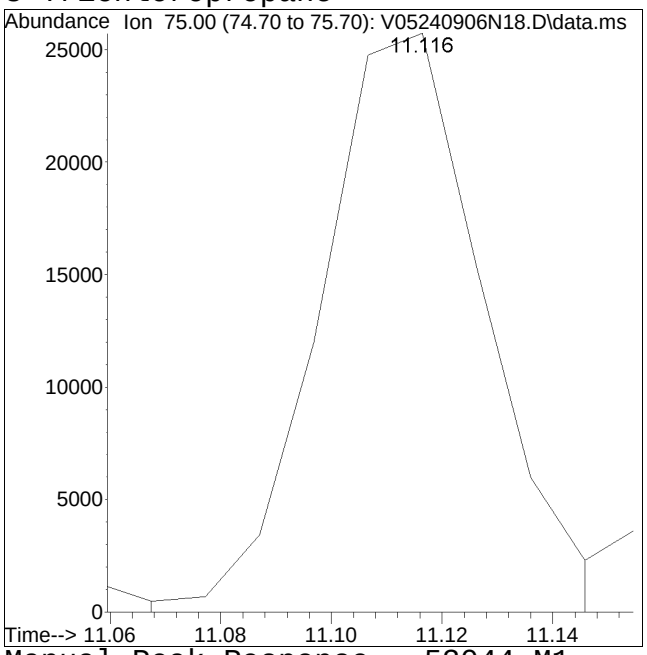
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #91: 1,2,3-Trichloropropane



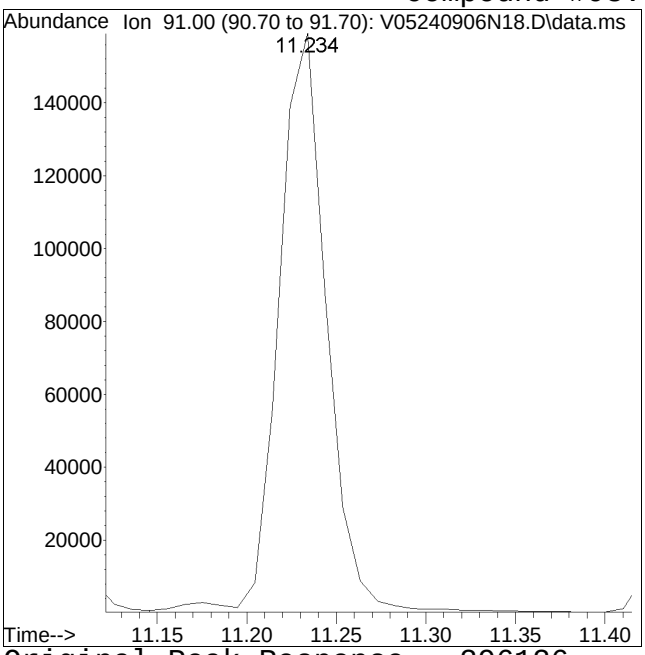


Original Peak Response = 52557 Manual Peak Response = 53044 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

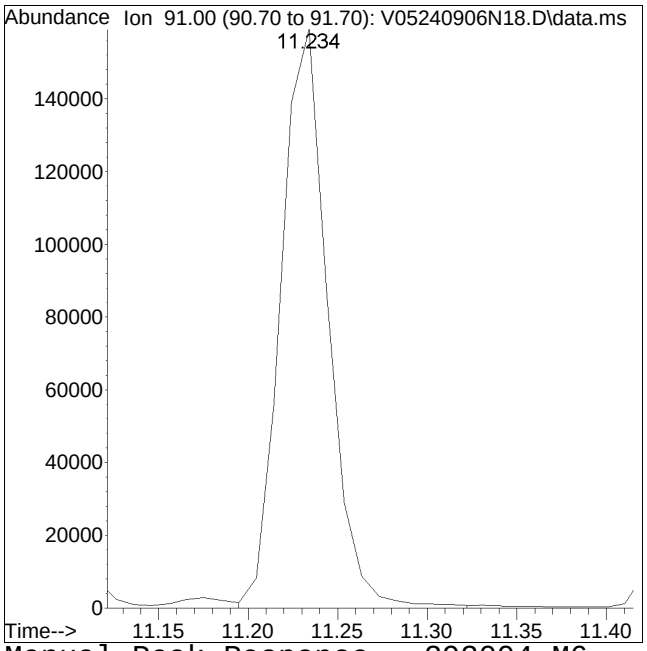
Manual Integration Report

Data Path : K:\VOA105\2024\240906NICALQMethod : V105_240906N_8260.m
Data File : V05240906N18.D Operator : VOA105:PID
Date Inj'd : 9/7/2024 12:00 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 9/9/2024 11:33 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 296126



Manual Peak Response = 292004 M6

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

Evaluate Relative Error Report VOA105

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

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
6	TP Chloroethane	Q	ug/L	10.0	9.596	-4.0	0.50	0.448	-10.4
106	TP 1,2-Dibromo-3-chloropropane	Q	ug/L	10.0	9.041	-9.6	0.50	0.589	17.8
110	TP Naphthalene	L	ug/L	10.0	8.793	-12.1	0.50	0.649	29.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
6	TP Chloroethane	Quadratic	0.998851	-0.004258	0.168206	0.00596107
106	TP 1,2-Dibromo-3-chloropropane	Quadratic	0.998718	0.000543	0.0717979	-0.00231609
110	TP Naphthalene	Linear	0.998839	0.000000	1.51913	-0.0605148

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457484	
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011	
Instrument ID	: VOA105	**Calibration Date**	: 10/09/24 06:38	
Lab File ID	: V05241009A01	**Init. Calib. Date(s)**	: 09/06/24	09/06/24
Sample No	: WG1982134-2	**Init. Calib. Times**	: 17:39	21:53
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	140	0
Dichlorodifluoromethane	0.293	0.327	-	-11.6	20	139	0
Chloromethane	0.283	0.242	-	14.5	20	110	0
Vinyl chloride	0.246	0.264	-	-7.3	20	136	0
Bromomethane	0.12	0.042	-	65*	20	52	0
Chloroethane	10	8.398	-	16	20	124	.01
Trichlorofluoromethane	0.37	0.399	-	-7.8	20	137	0
Ethyl ether	0.089	0.073	-	18	20	113	0
1,1-Dichloroethene	0.184	0.186	-	-1.1	20	131	0
Carbon disulfide	0.567	0.617	-	-8.8	20	141	0
Freon-113	0.202	0.211	-	-4.5	20	132	0
Acrolein	0.025	0.021	-	16	20	133	0
Methylene chloride	0.219	0.243	-	-11	20	150	0
Acetone	0.047	0.039	-	17	20	116	0
trans-1,2-Dichloroethene	0.218	0.243	-	-11.5	20	147	0
Methyl acetate	0.104	0.098	-	5.8	20	140	0
Methyl tert-butyl ether	0.479	0.433	-	9.6	20	127	0
tert-Butyl alcohol	0.011	0.01	-	9.1	20	150	0
Diisopropyl ether	0.729	0.777	-	-6.6	20	148	0
1,1-Dichloroethane	0.396	0.464	-	-17.2	20	151	0
Halothane	0.175	0.198	-	-13.1	20	149	0
Acrylonitrile	0.055	0.047	-	14.5	20	122	0
Ethyl tert-butyl ether	0.537	0.582	-	-8.4	20	153	0
Vinyl acetate	0.434	0.438	-	-0.9	20	157	0
cis-1,2-Dichloroethene	0.247	0.267	-	-8.1	20	145	0
2,2-Dichloropropane	0.323	0.401	-	-24.1*	20	163	0
Bromochloromethane	0.119	0.129	-	-8.4	20	143	0
Cyclohexane	0.382	0.474	-	-24.1*	20	154	0
Chloroform	0.414	0.441	-	-6.5	20	143	0
Ethyl acetate	0.167	0.147	-	12	20	140	0
Carbon tetrachloride	0.356	0.404	-	-13.5	20	150	0
Tetrahydrofuran	0.054	0.05	-	7.4	20	138	0
Dibromofluoromethane	0.279	0.285	-	-2.2	20	145	0
1,1,1-Trichloroethane	0.386	0.435	-	-12.7	20	146	-.01
2-Butanone	0.072	0.066	-	8.3	20	141	0
1,1-Dichloropropene	0.286	0.332	-	-16.1	20	150	0
Benzene	0.842	0.958	-	-13.8	20	147	0
tert-Amyl methyl ether	0.444	0.458	-	-3.2	20	146	0
1,2-Dichloroethane-d4	0.289	0.32	-	-10.7	20	149	0
1,2-Dichloroethane	0.278	0.303	-	-9	20	147	0
Methyl cyclohexane	0.386	0.422	-	-9.3	20	140	0
Trichloroethene	0.251	0.261	-	-4	20	140	0
Dibromomethane	0.13	0.13	-	0	20	140	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457484		
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011		
Instrument ID	: VOA105	**Calibration Date**	: 10/09/24 06:38		
Lab File ID	: V05241009A01	**Init. Calib. Date(s)**	: 09/06/24	09/06/24	
Sample No	: WG1982134-2	**Init. Calib. Times**	: 17:39	21:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.21	0.233	-	-11	20	147	0
Bromodichloromethane	0.308	0.319	-	-3.6	20	144	0
1,4-Dioxane	0.00131	0.00122*	-	6.9	20	136	0
cis-1,3-Dichloropropene	0.324	0.344	-	-6.2	20	144	0
Chlorobenzene-d5	1	1	-	0	20	137	0
Toluene-d8	1.208	1.256	-	-4	20	138	0
Toluene	0.702	0.762	-	-8.5	20	139	0
4-Methyl-2-pentanone	0.058	0.054	-	6.9	20	137	-.01
Tetrachloroethene	0.37	0.425	-	-14.9	20	145	0
trans-1,3-Dichloropropene	0.342	0.375	-	-9.6	20	143	0
Ethyl methacrylate	0.231	0.191	-	17.3	20	123	0
1,1,2-Trichloroethane	0.174	0.184*	-	-5.7	20	139	0
Chlorodibromomethane	0.296	0.303	-	-2.4	20	141	0
1,3-Dichloropropane	0.341	0.365	-	-7	20	137	0
1,2-Dibromoethane	0.234	0.231	-	1.3	20	129	0
2-Hexanone	0.116	0.101	-	12.9	20	133	0
Chlorobenzene	0.83	0.861	-	-3.7	20	135	0
Ethylbenzene	1.402	1.509	-	-7.6	20	136	0
1,1,1,2-Tetrachloroethane	0.305	0.325	-	-6.6	20	144	0
p/m Xylene	0.541	0.598	-	-10.5	20	137	0
o Xylene	0.513	0.558	-	-8.8	20	135	0
Styrene	0.849	0.899	-	-5.9	20	131	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
Bromoform	0.296	0.273	-	7.8	20	135	0
Isopropylbenzene	2.313	2.483	-	-7.3	20	135	0
4-Bromofluorobenzene	0.694	0.726	-	-4.6	20	144	-.01
Bromobenzene	0.608	0.611	-	-0.5	20	135	0
n-Propylbenzene	2.702	2.902	-	-7.4	20	134	0
1,4-Dichlorobutane	0.581	0.538	-	7.4	20	122	0
1,1,2,2-Tetrachloroethane	0.402	0.368	-	8.5	20	126	0
4-Ethyltoluene	2.252	2.422	-	-7.5	20	136	0
2-Chlorotoluene	1.524	1.658	-	-8.8	20	137	0
1,3,5-Trimethylbenzene	1.987	2.103	-	-5.8	20	132	0
1,2,3-Trichloropropane	0.312	0.298	-	4.5	20	128	0
trans-1,4-Dichloro-2-buten	0.133	0.112	-	15.8	20	116	0
4-Chlorotoluene	1.575	1.69	-	-7.3	20	136	0
tert-Butylbenzene	1.74	1.843	-	-5.9	20	133	0
1,2,4-Trimethylbenzene	1.903	1.995	-	-4.8	20	131	0
sec-Butylbenzene	2.546	2.719	-	-6.8	20	133	0
p-Isopropyltoluene	2.195	2.348	-	-7	20	132	0
1,3-Dichlorobenzene	1.201	1.218	-	-1.4	20	131	0
1,4-Dichlorobenzene	1.235	1.227	-	0.6	20	131	0
p-Diethylbenzene	1.271	1.299	-	-2.2	20	129	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457484		
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011		
Instrument ID	: VOA105	**Calibration Date**	: 10/09/24 06:38		
Lab File ID	: V05241009A01	**Init. Calib. Date(s)**	: 09/06/24	09/06/24	
Sample No	: WG1982134-2	**Init. Calib. Times**	: 17:39	21:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.805	1.921	-	-6.4	20	131	0
1,2-Dichlorobenzene	1.085	1.1	-	-1.4	20	132	0
1,2,4,5-Tetramethylbenzene	1.922	1.793	-	6.7	20	130	0
1,2-Dibromo-3-chloropropan	10	8.541	-	14.6	20	127	0
1,3,5-Trichlorobenzene	0.882	0.882	-	0	20	129	0
Hexachlorobutadiene	0.322	0.364	-	-13	20	150	0
1,2,4-Trichlorobenzene	0.724	0.714	-	1.4	20	131	0
Naphthalene	10	8.296	-	17	20	126	0
1,2,3-Trichlorobenzene	0.616	0.595	-	3.4	20	127	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	140	0.00
2	TP	Dichlorodifluoromethane	0.293	0.327	-11.6	139	0.00
3	TP	Chloromethane	0.283	0.242	14.5	110	0.00
4	TP	Vinyl chloride	0.246	0.264	-7.3	136	0.00
5	TP	Bromomethane	0.120	0.042	65.0#	52	0.00
6	TP	Chloroethane	* 10.000	8.398	16.0	124	0.01
7	TP	Trichlorofluoromethane	0.370	0.399	-7.8	137	0.00
8	TP	Ethyl ether	0.089	0.073	18.0	113	0.00
10	TP	1,1-Dichloroethene	0.184	0.186	-1.1	131	0.00
11	TP	Carbon disulfide	0.567	0.617	-8.8	141	0.00
12	TP	Freon-113	0.202	0.211	-4.5	132	0.00
14	TP	Acrolein	0.025	0.021	16.0	133	0.00
15	TP	Methylene chloride	0.219	0.243	-11.0	150	0.00
17	TP	Acetone	0.047	0.039	17.0	116	0.00
18	TP	trans-1,2-Dichloroethene	0.218	0.243	-11.5	147	0.00
19	TP	Methyl acetate	0.104	0.098	5.8	140	0.00
20	TP	Methyl tert-butyl ether	0.479	0.433	9.6	127	0.00
21	TP	tert-Butyl alcohol	0.011	0.010	9.1	150	0.00
22	TP	Diisopropyl ether	0.729	0.777	-6.6	148	0.00
23	TP	1,1-Dichloroethane	0.396	0.464	-17.2	151	0.00
24	TP	Halothane	0.175	0.198	-13.1	149	0.00
25	TP	Acrylonitrile	0.055	0.047	14.5	122	0.00
26	TP	Ethyl tert-butyl ether	0.537	0.582	-8.4	153	0.00
27	TP	Vinyl acetate	0.434	0.438	-0.9	157	0.00
28	TP	cis-1,2-Dichloroethene	0.247	0.267	-8.1	145	0.00
29	TP	2,2-Dichloropropane	0.323	0.401	-24.1#	163	0.00
30	TP	Bromochloromethane	0.119	0.129	-8.4	143	0.00
31	TP	Cyclohexane	0.382	0.474	-24.1#	154	0.00
32	TP	Chloroform	0.414	0.441	-6.5	143	0.00
33	TP	Ethyl acetate	0.167	0.147	12.0	140	0.00
34	TP	Carbon tetrachloride	0.356	0.404	-13.5	150	0.00
35	TP	Tetrahydrofuran	0.054	0.050	7.4	138	0.00
36	S	Dibromofluoromethane	0.279	0.285	-2.2	145	0.00
37	TP	1,1,1-Trichloroethane	0.386	0.435	-12.7	146	-0.01
39	TP	2-Butanone	0.072	0.066	8.3	141	0.00
40	TP	1,1-Dichloropropene	0.286	0.332	-16.1	150	0.00
41	TP	Benzene	0.842	0.958	-13.8	147	0.00
42	TP	tert-Amyl methyl ether	0.444	0.458	-3.2	146	0.00
43	S	1,2-Dichloroethane-d4	0.289	0.320	-10.7	149	0.00

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.278	0.303	-9.0	147	0.00
47	TP	Methyl cyclohexane	0.386	0.422	-9.3	140	0.00
48	TP	Trichloroethene	0.251	0.261	-4.0	140	0.00
50	TP	Dibromomethane	0.130	0.130	0.0	140	0.00
51	TP	1,2-Dichloropropane	0.210	0.233	-11.0	147	0.00
54	TP	Bromodichloromethane	0.308	0.319	-3.6	144	0.00
57	TP	1,4-Dioxane	0.00131	0.00122#	6.9	136	0.00
58	TP	cis-1,3-Dichloropropene	0.324	0.344	-6.2	144	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	137	0.00
60	S	Toluene-d8	1.208	1.256	-4.0	138	0.00
61	TP	Toluene	0.702	0.762	-8.5	139	0.00
62	TP	4-Methyl-2-pentanone	0.058	0.054	6.9	137	-0.01
63	TP	Tetrachloroethene	0.370	0.425	-14.9	145	0.00
65	TP	trans-1,3-Dichloropropene	0.342	0.375	-9.6	143	0.00
67	TP	Ethyl methacrylate	0.231	0.191	17.3	123	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.184#	-5.7	139	0.00
69	TP	Chlorodibromomethane	0.296	0.303	-2.4	141	0.00
70	TP	1,3-Dichloropropane	0.341	0.365	-7.0	137	0.00
71	TP	1,2-Dibromoethane	0.234	0.231	1.3	129	0.00
72	TP	2-Hexanone	0.116	0.101	12.9	133	0.00
73	TP	Chlorobenzene	0.830	0.861	-3.7	135	0.00
74	TP	Ethylbenzene	1.402	1.509	-7.6	136	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.305	0.325	-6.6	144	0.00
76	TP	p/m Xylene	0.541	0.598	-10.5	137	0.00
77	TP	o Xylene	0.513	0.558	-8.8	135	0.00
78	TP	Styrene	0.849	0.899	-5.9	131	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	134	0.00
80	TP	Bromoform	0.296	0.273	7.8	135	0.00
82	TP	Isopropylbenzene	2.313	2.483	-7.3	135	0.00
83	S	4-Bromofluorobenzene	0.694	0.726	-4.6	144	-0.01
84	TP	Bromobenzene	0.608	0.611	-0.5	135	0.00
85	TP	n-Propylbenzene	2.702	2.902	-7.4	134	0.00
86	TP	1,4-Dichlorobutane	0.581	0.538	7.4	122	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.402	0.368	8.5	126	0.00
88	TP	4-Ethyltoluene	2.252	2.422	-7.5	136	0.00
89	TP	2-Chlorotoluene	1.524	1.658	-8.8	137	0.00
90	TP	1,3,5-Trimethylbenzene	1.987	2.103	-5.8	132	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane		0.312	0.298	4.5	128	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.133	0.112	15.8	116	0.00
93 TP	4-Chlorotoluene		1.575	1.690	-7.3	136	0.00
94 TP	tert-Butylbenzene		1.740	1.843	-5.9	133	0.00
97 TP	1,2,4-Trimethylbenzene		1.903	1.995	-4.8	131	0.00
98 TP	sec-Butylbenzene		2.546	2.719	-6.8	133	0.00
99 TP	p-Isopropyltoluene		2.195	2.348	-7.0	132	0.00
100 TP	1,3-Dichlorobenzene		1.201	1.218	-1.4	131	0.00
101 TP	1,4-Dichlorobenzene		1.235	1.227	0.6	131	0.00
102 TP	p-Diethylbenzene		1.271	1.299	-2.2	129	0.00
103 TP	n-Butylbenzene		1.805	1.921	-6.4	131	0.00
104 TP	1,2-Dichlorobenzene		1.085	1.100	-1.4	132	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.922	1.793	6.7	130	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.541	14.6	127	0.00
107 TP	1,3,5-Trichlorobenzene		0.882	0.882	0.0	129	0.00
108 TP	Hexachlorobutadiene		0.322	0.364	-13.0	150	0.00
109 TP	1,2,4-Trichlorobenzene		0.724	0.714	1.4	131	0.00
110 TP	Naphthalene	*	10.000	8.296	17.0	126	0.00
111 TP	1,2,3-Trichlorobenzene		0.616	0.595	3.4	127	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	452753	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.177	117	351916	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.949	152	226621	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	128870	10.185	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.85%			
43) 1,2-Dichloroethane-d4	5.410	65	144949	11.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.81%			
60) Toluene-d8	7.347	98	442025	10.400	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.00%			
83) 4-Bromofluorobenzene	10.705	95	164418	10.456	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.508	85	148148	11.178	ug/L	97
3) Chloromethane	1.674	50	109528	8.561	ug/L	96
4) Vinyl chloride	1.743	62	119390	10.725	ug/L	93
5) Bromomethane	2.026	94	18946	3.496	ug/L	99
6) Chloroethane	2.124	64	65294	8.398	ug/L	94
7) Trichlorofluoromethane	2.251	101	180489	10.774	ug/L	100
8) Ethyl ether	2.535	74	32920	8.161	ug/L #	54
10) 1,1-Dichloroethene	2.711	96	84257	10.108	ug/L	90
11) Carbon disulfide	2.740	76	279485	10.893	ug/L	100
12) Freon-113	2.740	101	95585	10.428	ug/L #	75
14) Acrolein	3.043	56	9684	8.727	ug/L	96
15) Methylene chloride	3.249	84	109804	11.096	ug/L #	71
17) Acetone	3.317	43	17678	8.261	ug/L	98
18) trans-1,2-Dichloroethene	3.396	96	110004	11.165	ug/L	98
19) Methyl acetate	3.415	43	44263	9.431	ug/L #	79
20) Methyl tert-butyl ether	3.484	73	196176	9.042	ug/L #	83
21) tert-Butyl alcohol	3.601	59	23483	47.839	ug/L	98
22) Diisopropyl ether	3.826	45	351630	10.654	ug/L #	92
23) 1,1-Dichloroethane	3.953	63	209953	11.699	ug/L	97
24) Halothane	4.012	117	89633	11.310	ug/L	98
25) Acrylonitrile	4.031	53	21288	8.547	ug/L	89
26) Ethyl tert-butyl ether	4.168	59	263359	10.827	ug/L #	76
27) Vinyl acetate	4.198	43	198435M6	10.092	ug/L	
28) cis-1,2-Dichloroethene	4.462	96	120991	10.841	ug/L	99
29) 2,2-Dichloropropane	4.550	77	181442	12.399	ug/L	87

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Bromochloromethane	4.657	128	58319	10.827	ug/L	#	84
31) Cyclohexane	4.638	56	214697	12.401	ug/L		77
32) Chloroform	4.726	83	199514	10.634	ug/L	#	96
33) Ethyl acetate	4.843	43	66745	8.834	ug/L	#	94
34) Carbon tetrachloride	4.833	117	183113	11.368	ug/L		98
35) Tetrahydrofuran	4.872	42	22427	9.230	ug/L	#	68
37) 1,1,1-Trichloroethane	4.902	97	196964	11.261	ug/L		97
39) 2-Butanone	5.029	43	29692	9.127	ug/L	#	66
40) 1,1-Dichloropropene	5.029	75	150281	11.602	ug/L		95
41) Benzene	5.264	78	433860	11.374	ug/L		94
42) tert-Amyl methyl ether	5.371	73	207317	10.313	ug/L		99
44) 1,2-Dichloroethane	5.479	62	137217	10.896	ug/L		98
47) Methyl cyclohexane	5.831	83	191267	10.934	ug/L	#	77
48) Trichloroethene	5.851	95	118117	10.404	ug/L		90
50) Dibromomethane	6.300	93	59033	10.021	ug/L		89
51) 1,2-Dichloropropane	6.388	63	105383	11.064	ug/L	#	90
54) Bromodichloromethane	6.467	83	144527	10.360	ug/L		97
57) 1,4-Dioxane	6.682	88	27729	466.359	ug/L	#	80
58) cis-1,3-Dichloropropene	7.151	75	155941	10.627	ug/L	#	82
61) Toluene	7.406	92	268141	10.854	ug/L		97
62) 4-Methyl-2-pentanone	7.846	58	18883	9.234	ug/L	#	64
63) Tetrachloroethene	7.846	166	149646	11.479	ug/L		89
65) trans-1,3-Dichloropropene	7.895	75	132091	10.990	ug/L	#	81
67) Ethyl methacrylate	8.081	69	67331	8.287	ug/L		87
68) 1,1,2-Trichloroethane	8.081	83	64925	10.622	ug/L		97
69) Chlorodibromomethane	8.286	129	106698	10.237	ug/L		98
70) 1,3-Dichloropropane	8.394	76	128481	10.712	ug/L		99
71) 1,2-Dibromoethane	8.560	107	81357	9.886	ug/L		96
72) 2-Hexanone	8.853	43	35477	8.700	ug/L	#	84
73) Chlorobenzene	9.196	112	302845	10.370	ug/L		89
74) Ethylbenzene	9.236	91	530989	10.763	ug/L		94
75) 1,1,1,2-Tetrachloroethane	9.284	131	114519	10.681	ug/L		99
76) p/m Xylene	9.422	106	421169	22.107	ug/L		86
77) o Xylene	9.960	106	392602	21.753	ug/L		86
78) Styrene	10.039	104	632611	21.183	ug/L		90
80) Bromoform	10.068	173	61895	9.219	ug/L		97
82) Isopropylbenzene	10.362	105	562622	10.734	ug/L		96
84) Bromobenzene	10.822	156	138451	10.047	ug/L		99
85) n-Propylbenzene	10.862	91	657632	10.738	ug/L		94
86) 1,4-Dichlorobutane	10.891	55	121822	9.258	ug/L		93
87) 1,1,2,2-Tetrachloroethane	10.979	83	83408	9.163	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88)	4-Ethyltoluene	10.999	105	548821	10.756	ug/L		96
89)	2-Chlorotoluene	11.038	91	375676M6	10.881	ug/L		
90)	1,3,5-Trimethylbenzene	11.097	105	476672	10.585	ug/L		93
91)	1,2,3-Trichloropropane	11.116	75	67425M1	9.540	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.175	53	25427	8.428	ug/L	#	83
93)	4-Chlorotoluene	11.234	91	383070M6	10.735	ug/L		
94)	tert-Butylbenzene	11.449	119	417635	10.591	ug/L		96
97)	1,2,4-Trimethylbenzene	11.528	105	452207	10.485	ug/L		93
98)	sec-Butylbenzene	11.636	105	616159	10.679	ug/L		96
99)	p-Isopropyltoluene	11.802	119	532008	10.695	ug/L		94
100)	1,3-Dichlorobenzene	11.871	146	276066	10.140	ug/L		95
101)	1,4-Dichlorobenzene	11.969	146	278028	9.936	ug/L		95
102)	p-Diethylbenzene	12.184	119	294366	10.216	ug/L		97
103)	n-Butylbenzene	12.243	91	435255	10.643	ug/L		96
104)	1,2-Dichlorobenzene	12.390	146	249391	10.141	ug/L		95
105)	1,2,4,5-Tetramethylben...	12.987	119	406232	9.327	ug/L		94
106)	1,2-Dibromo-3-chloropr...	13.183	155	13462	8.541	ug/L		97
107)	1,3,5-Trichlorobenzene	13.213	180	199979	10.010	ug/L		95
108)	Hexachlorobutadiene	13.781	225	82577	11.331	ug/L		98
109)	1,2,4-Trichlorobenzene	13.810	180	161705	9.854	ug/L		97
110)	Naphthalene	14.104	128	271902	8.296	ug/L		100
111)	1,2,3-Trichlorobenzene	14.271	180	134943	9.671	ug/L		96

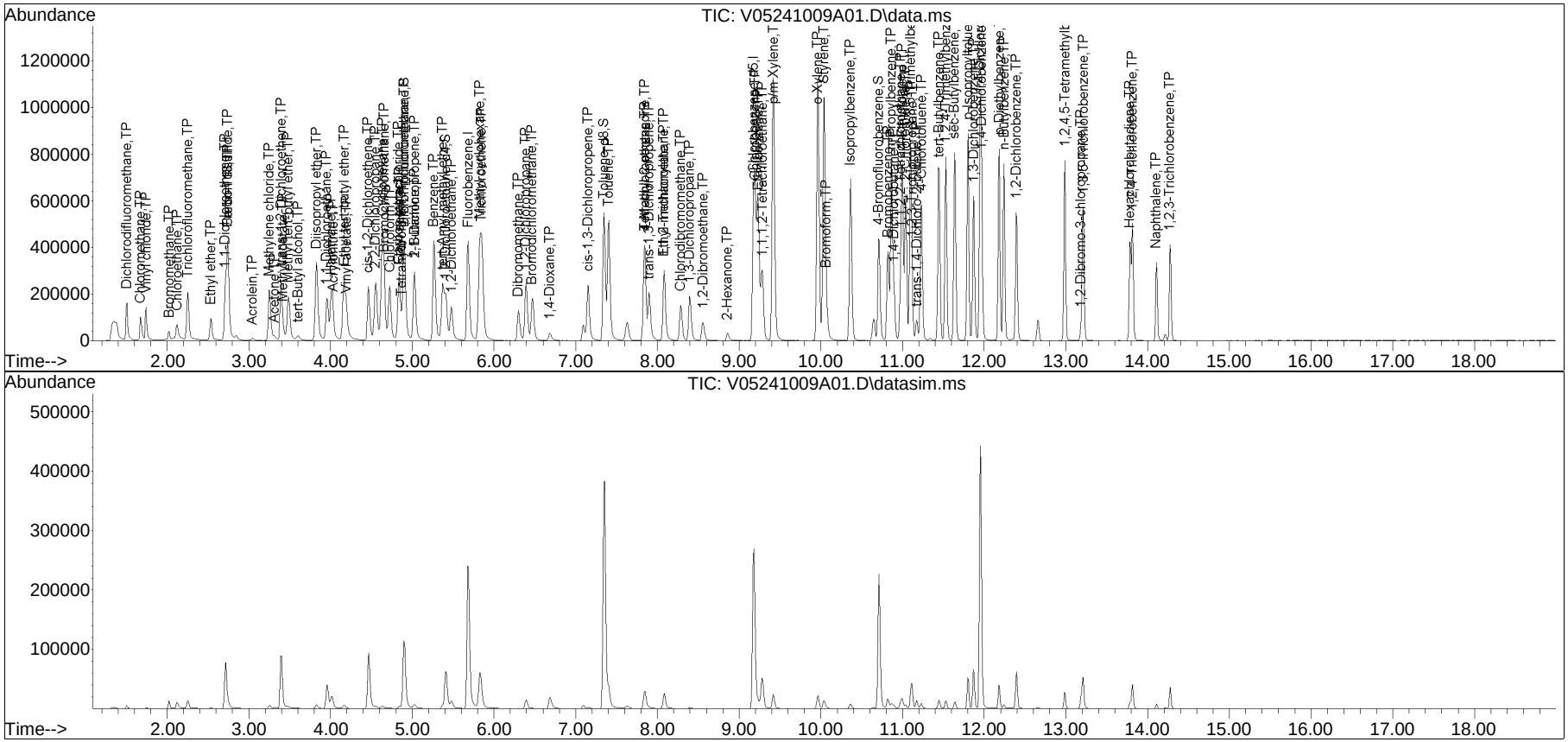
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

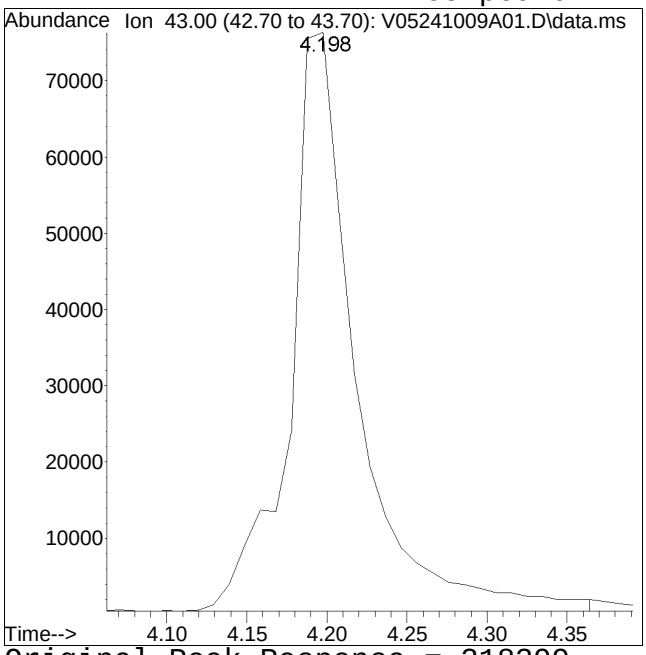


Manual Integration Report

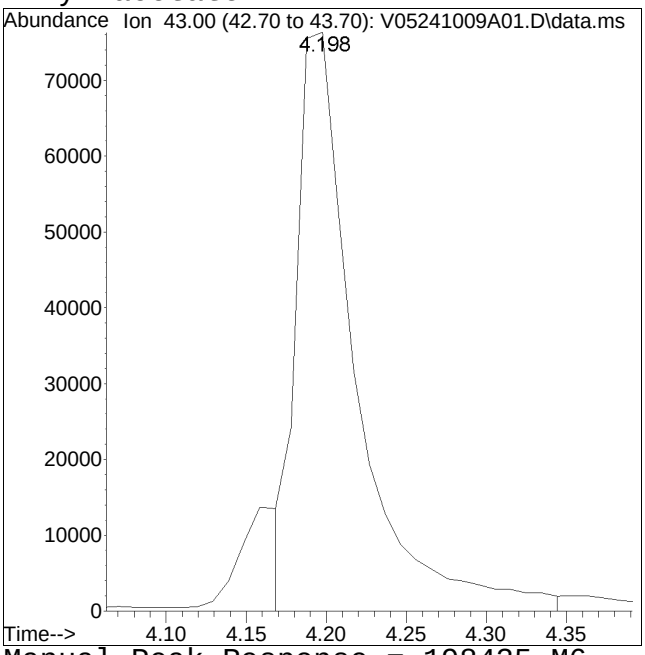
Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Date Inj'd : 10/9/2024 6:38 am
Sample : WG1982134-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/9/2024 7:07 am

Compound #27: Vinyl acetate



Original Peak Response = 218399



Manual Peak Response = 198435 M6

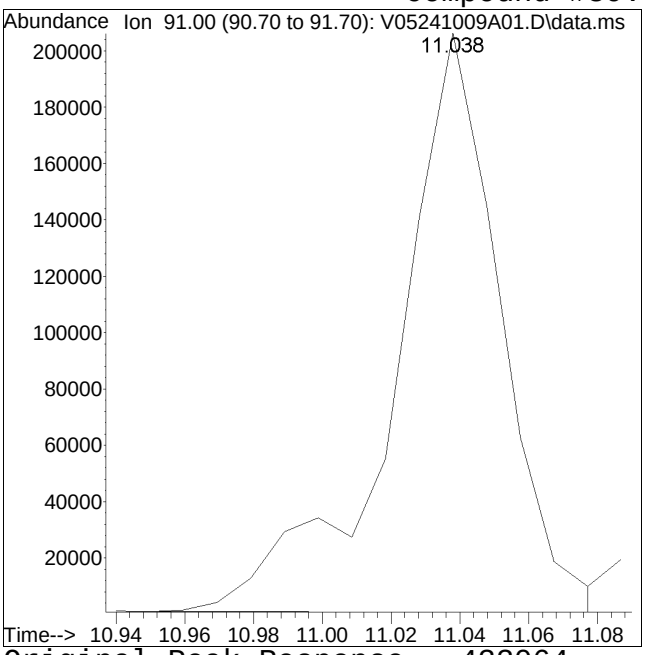
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

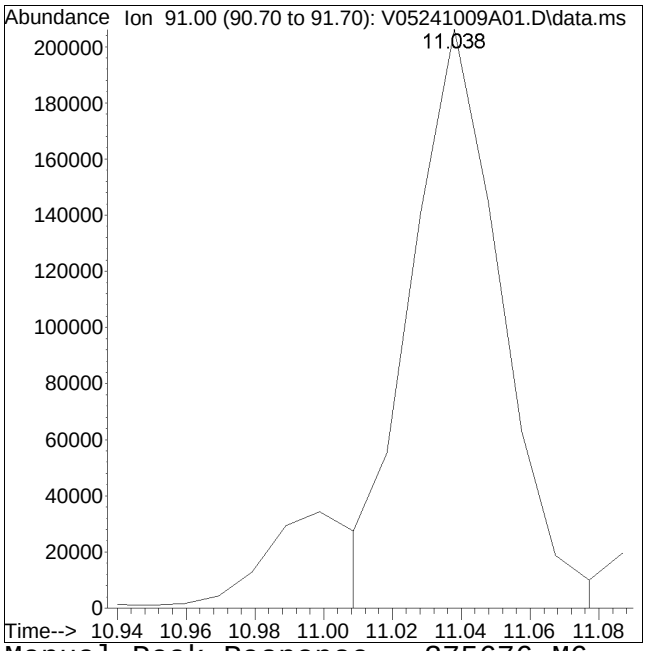
Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Date Inj'd : 10/9/2024 6:38 am
Sample : WG1982134-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/9/2024 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 433064



Manual Peak Response = 375676 M6

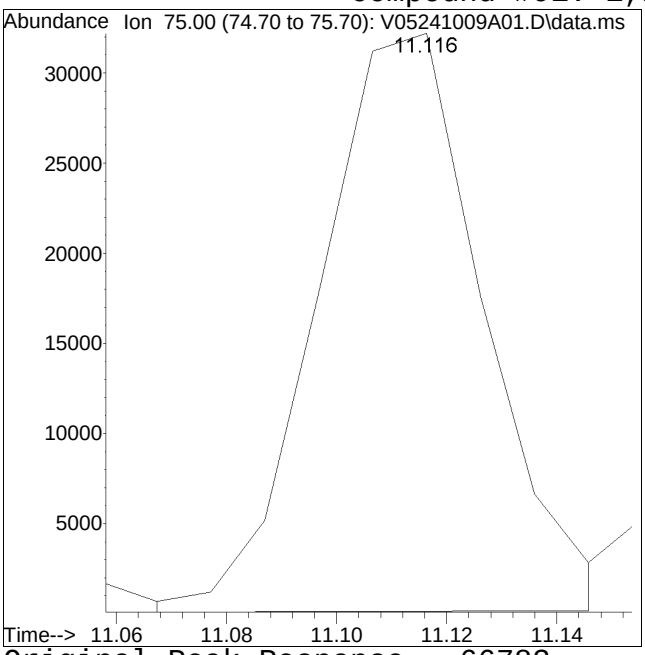
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

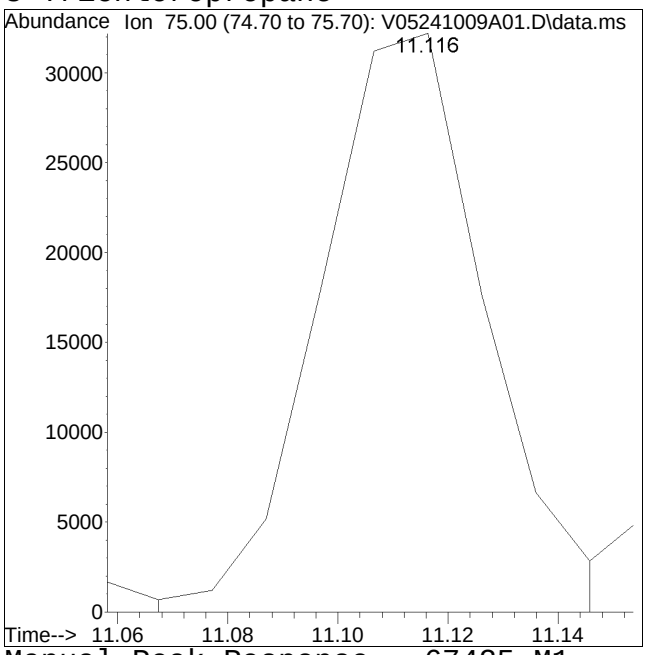
Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Date Inj'd : 10/9/2024 6:38 am
Sample : WG1982134-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/9/2024 7:07 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 66783



Manual Peak Response = 67425 M1

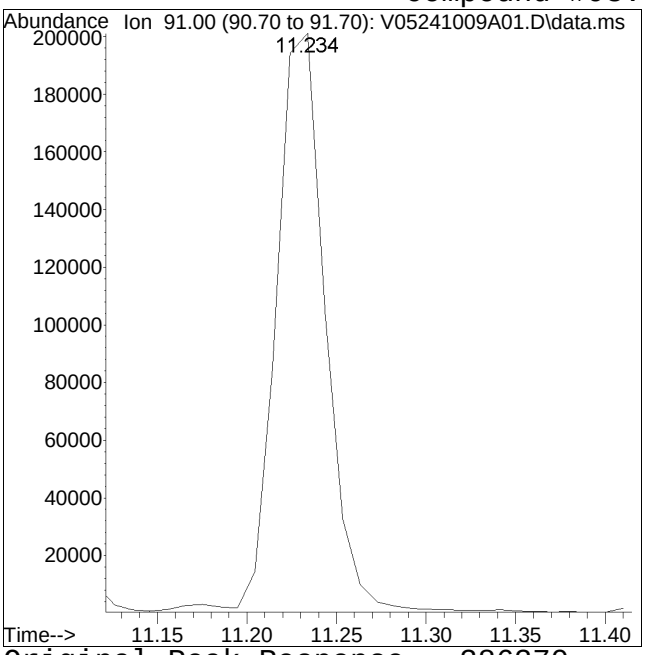
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

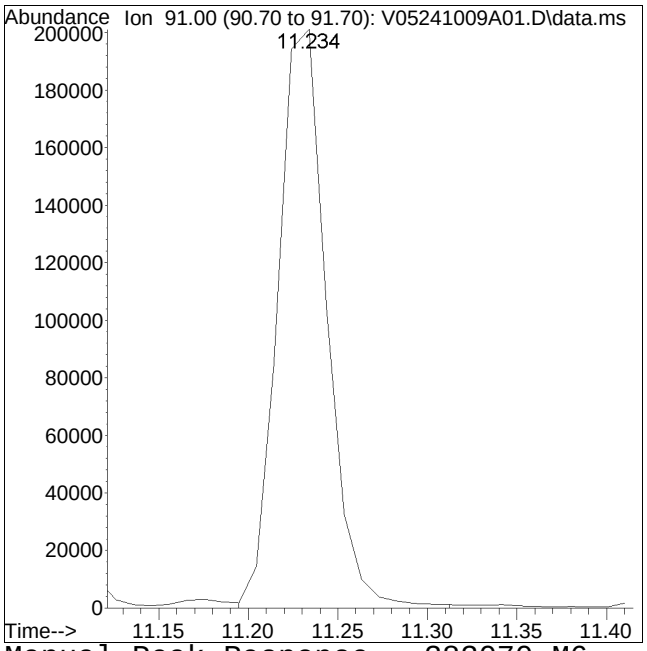
Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Date Inj'd : 10/9/2024 6:38 am
Sample : WG1982134-2

QMethod : V105_240906N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 10/9/2024 7:07 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 386370



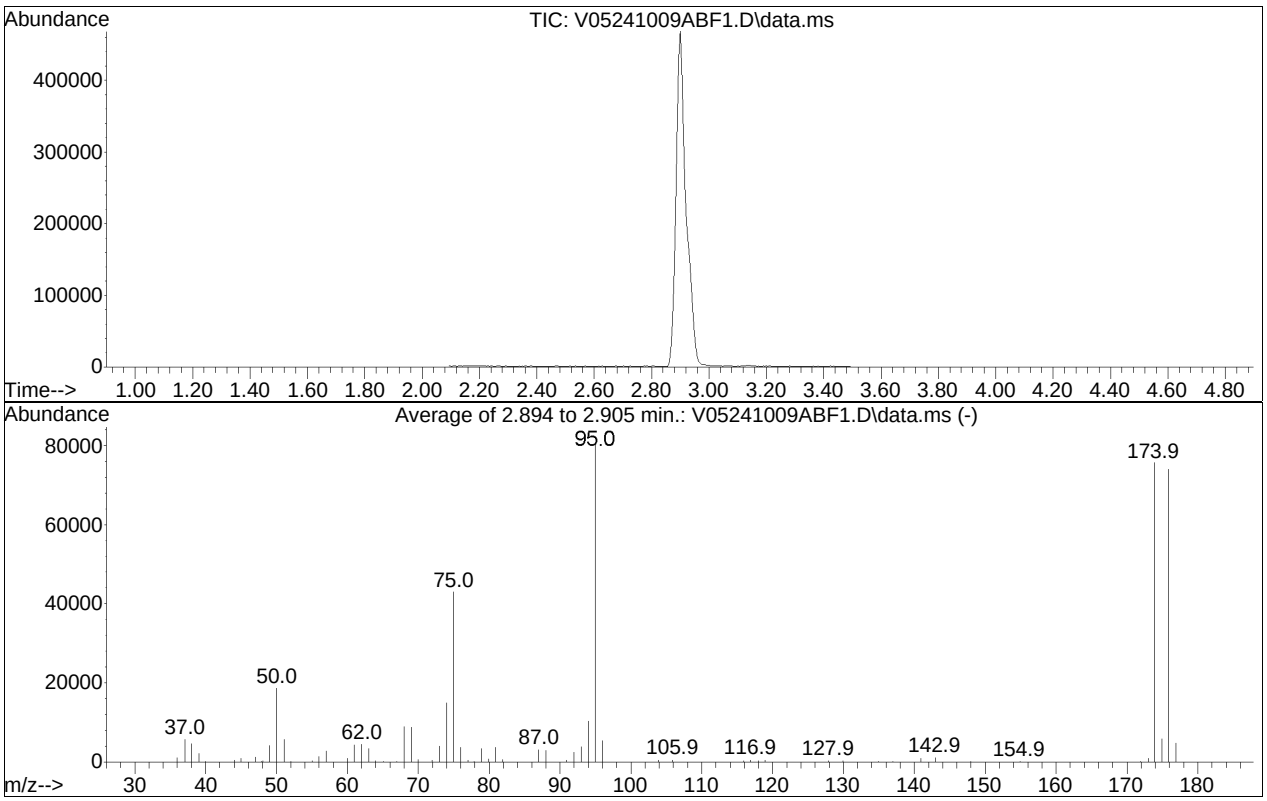
Manual Peak Response = 383070 M6

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

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009ABF1.D
Acq On : 9 Oct 2024 6:24 am
Operator : VOA105:PID
Sample : WG1982134-1
Misc : WG1982134,ICAL21466
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Sep 09 11:32:51 2024



Spectrum Information: Average of 2.894 to 2.905 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	18653	PASS
75	95	30	60	53.3	43019	PASS
95	95	100	100	100.0	80723	PASS
96	95	5	9	6.7	5444	PASS
173	174	0.00	2	1.2	915	PASS
174	95	50	100	93.7	75640	PASS
175	174	5	9	7.7	5828	PASS
176	174	95	101	97.9	74053	PASS
177	176	5	9	6.5	4850	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A05.D
Acq On : 9 Oct 2024 8:19 am
Operator : VOA105:PID
Sample : WG1982134-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:47:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	415091	10.000 ug/L	0.00
Standard Area 1 = 452753			Recovery = 91.68%		
59) Chlorobenzene-d5	9.177	117	327740	10.000 ug/L	0.00
Standard Area 1 = 351916			Recovery = 93.13%		
79) 1,4-Dichlorobenzene-d4	11.949	152	195066	10.000 ug/L	0.00
Standard Area 1 = 226621			Recovery = 86.08%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	124208	10.707 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.07%		
43) 1,2-Dichloroethane-d4	5.410	65	136730	11.401 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.01%		
60) Toluene-d8	7.347	98	395478	9.991 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.91%		
83) 4-Bromofluorobenzene	10.715	95	146044	10.790 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.90%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.674	50	150	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.026	94	491	0.099 ug/L	83
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.593	96	98	N.D.	
11) Carbon disulfide	2.740	76	626	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.268	84	344	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.435	43	89	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A05.D
Acq On : 9 Oct 2024 8:19 am
Operator : VOA105:PID
Sample : WG1982134-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:47:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
41) Benzene	5.352	78	97		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.177	91	548		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	11.880	146	93		N.D.	
101) 1,4-Dichlorobenzene	11.969	146	192		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	14.280	180	397		N.D.	

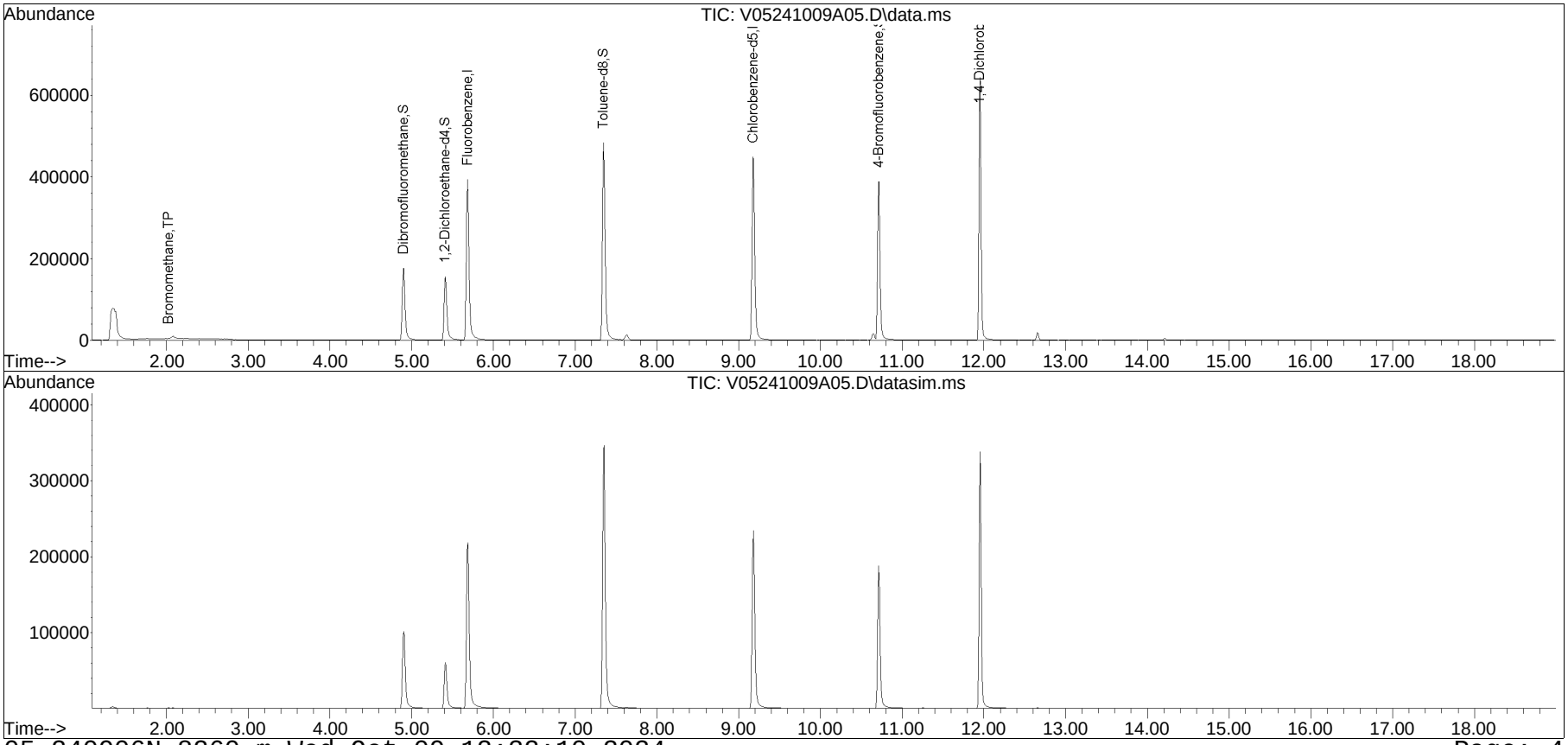
(#) = qualifier out of range (m) = manual integration (+) = signals summed

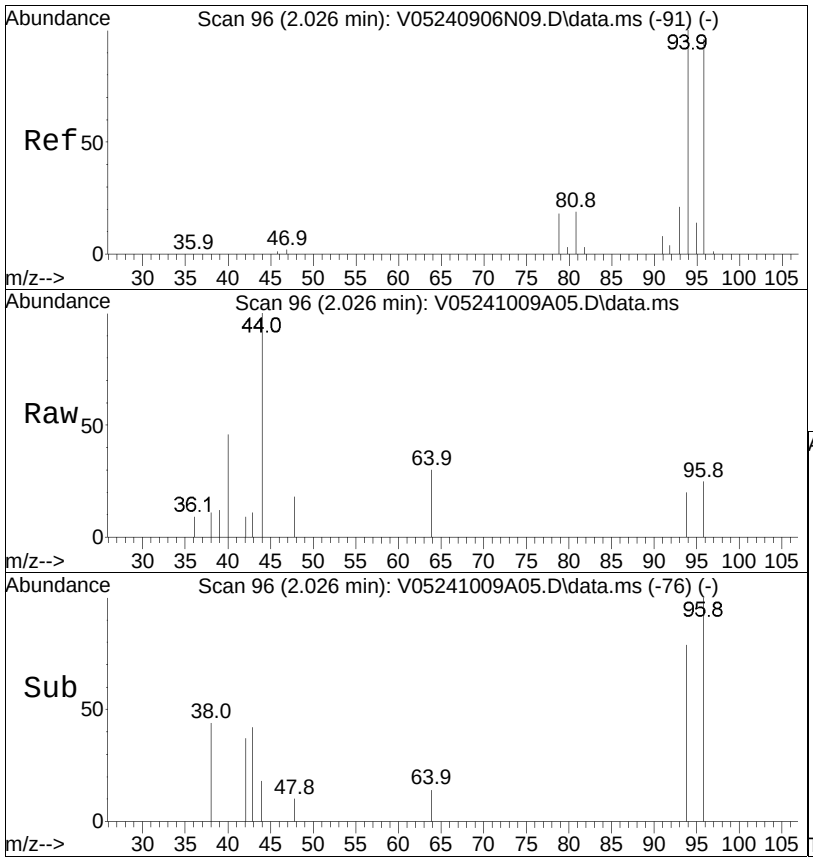
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A05.D
Acq On : 9 Oct 2024 8:19 am
Operator : VOA105:PID
Sample : WG1982134-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:47:33 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

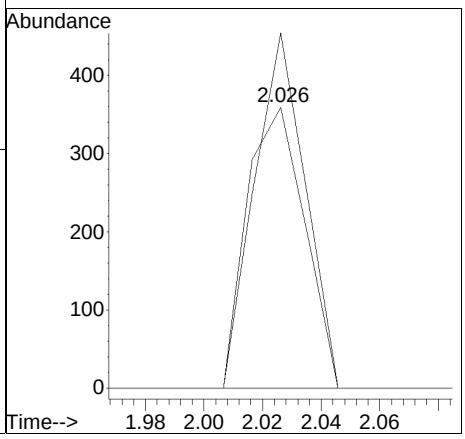




#5
Bromomethane
Concen: 0.10 ug/L
RT: 2.026 min Scan# 96
Delta R.T. -0.000 min
Lab File: V05241009A05.D
Acq: 9 Oct 2024 8:19 am

Tgt Ion: 94 Resp: 491

Ion	Ratio	Lower	Upper
94	100		
96	111.6	75.4	115.4



Manual Integration Report

Data Path	: K:\VOA105\2024\241009A\	QMethod	: V105_240906N_8260.m
Data File	: V05241009A05.D	Operator	: VOA105:PID
Date Inj'd	: 10/9/2024 8:19 am	Instrument	: VOA105
Sample	: WG1982134-5,31,10,10	Quant Date	: 10/9/2024 8:47 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.684	96	452753	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.177	117	351916	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.949	152	226621	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.902	113	128870	10.185	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.85%			
43) 1,2-Dichloroethane-d4	5.410	65	144949	11.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.81%			
60) Toluene-d8	7.347	98	442025	10.400	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.00%			
83) 4-Bromofluorobenzene	10.705	95	164418	10.456	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.508	85	148148	11.178	ug/L	97
3) Chloromethane	1.674	50	109528	8.561	ug/L	96
4) Vinyl chloride	1.743	62	119390	10.725	ug/L	93
5) Bromomethane	2.026	94	18946	3.496	ug/L	99
6) Chloroethane	2.124	64	65294	8.398	ug/L	94
7) Trichlorofluoromethane	2.251	101	180489	10.774	ug/L	100
10) 1,1-Dichloroethene	2.711	96	84257	10.108	ug/L	90
11) Carbon disulfide	2.740	76	279485	10.893	ug/L	100
12) Freon-113	2.740	101	95585	10.428	ug/L #	75
15) Methylene chloride	3.249	84	109804	11.096	ug/L #	71
17) Acetone	3.317	43	17678	8.261	ug/L	98
18) trans-1,2-Dichloroethene	3.396	96	110004	11.165	ug/L	98
19) Methyl acetate	3.415	43	44263	9.431	ug/L #	79
20) Methyl tert-butyl ether	3.484	73	196176	9.042	ug/L #	83
23) 1,1-Dichloroethane	3.953	63	209953	11.699	ug/L	97
28) cis-1,2-Dichloroethene	4.462	96	120991	10.841	ug/L	99
30) Bromochloromethane	4.657	128	58319	10.827	ug/L #	84
31) Cyclohexane	4.638	56	214697	12.401	ug/L	77
32) Chloroform	4.726	83	199514	10.634	ug/L #	96
34) Carbon tetrachloride	4.833	117	183113	11.368	ug/L	98
37) 1,1,1-Trichloroethane	4.902	97	196964	11.261	ug/L	97
39) 2-Butanone	5.029	43	29692	9.127	ug/L #	66
41) Benzene	5.264	78	433860	11.374	ug/L	94
44) 1,2-Dichloroethane	5.479	62	137217	10.896	ug/L	98

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl cyclohexane	5.831	83	191267	10.934	ug/L	#	77
48) Trichloroethene	5.851	95	118117	10.404	ug/L		90
51) 1,2-Dichloropropane	6.388	63	105383	11.064	ug/L	#	90
54) Bromodichloromethane	6.467	83	144527	10.360	ug/L		97
57) 1,4-Dioxane	6.682	88	27729	466.359	ug/L	#	80
58) cis-1,3-Dichloropropene	7.151	75	155941	10.627	ug/L	#	82
61) Toluene	7.406	92	268141	10.854	ug/L		97
62) 4-Methyl-2-pentanone	7.846	58	18883	9.234	ug/L	#	64
63) Tetrachloroethene	7.846	166	149646	11.479	ug/L		89
65) trans-1,3-Dichloropropene	7.895	75	132091	10.990	ug/L	#	81
68) 1,1,2-Trichloroethane	8.081	83	64925	10.622	ug/L		97
69) Chlorodibromomethane	8.286	129	106698	10.237	ug/L		98
71) 1,2-Dibromoethane	8.560	107	81357	9.886	ug/L		96
72) 2-Hexanone	8.853	43	35477	8.700	ug/L	#	84
73) Chlorobenzene	9.196	112	302845	10.370	ug/L		89
74) Ethylbenzene	9.236	91	530989	10.763	ug/L		94
76) p/m Xylene	9.422	106	421169	22.107	ug/L		86
77) o Xylene	9.960	106	392602	21.753	ug/L		86
78) Styrene	10.039	104	632611	21.183	ug/L		90
80) Bromoform	10.068	173	61895	9.219	ug/L		97
82) Isopropylbenzene	10.362	105	562622	10.734	ug/L		96
87) 1,1,2,2-Tetrachloroethane	10.979	83	83408	9.163	ug/L		99
100) 1,3-Dichlorobenzene	11.871	146	276066	10.140	ug/L		95
101) 1,4-Dichlorobenzene	11.969	146	278028	9.936	ug/L		95
104) 1,2-Dichlorobenzene	12.390	146	249391	10.141	ug/L		95
106) 1,2-Dibromo-3-chloropr...	13.183	155	13462	8.541	ug/L		97
109) 1,2,4-Trichlorobenzene	13.810	180	161705	9.854	ug/L		97
111) 1,2,3-Trichlorobenzene	14.271	180	134943	9.671	ug/L		96

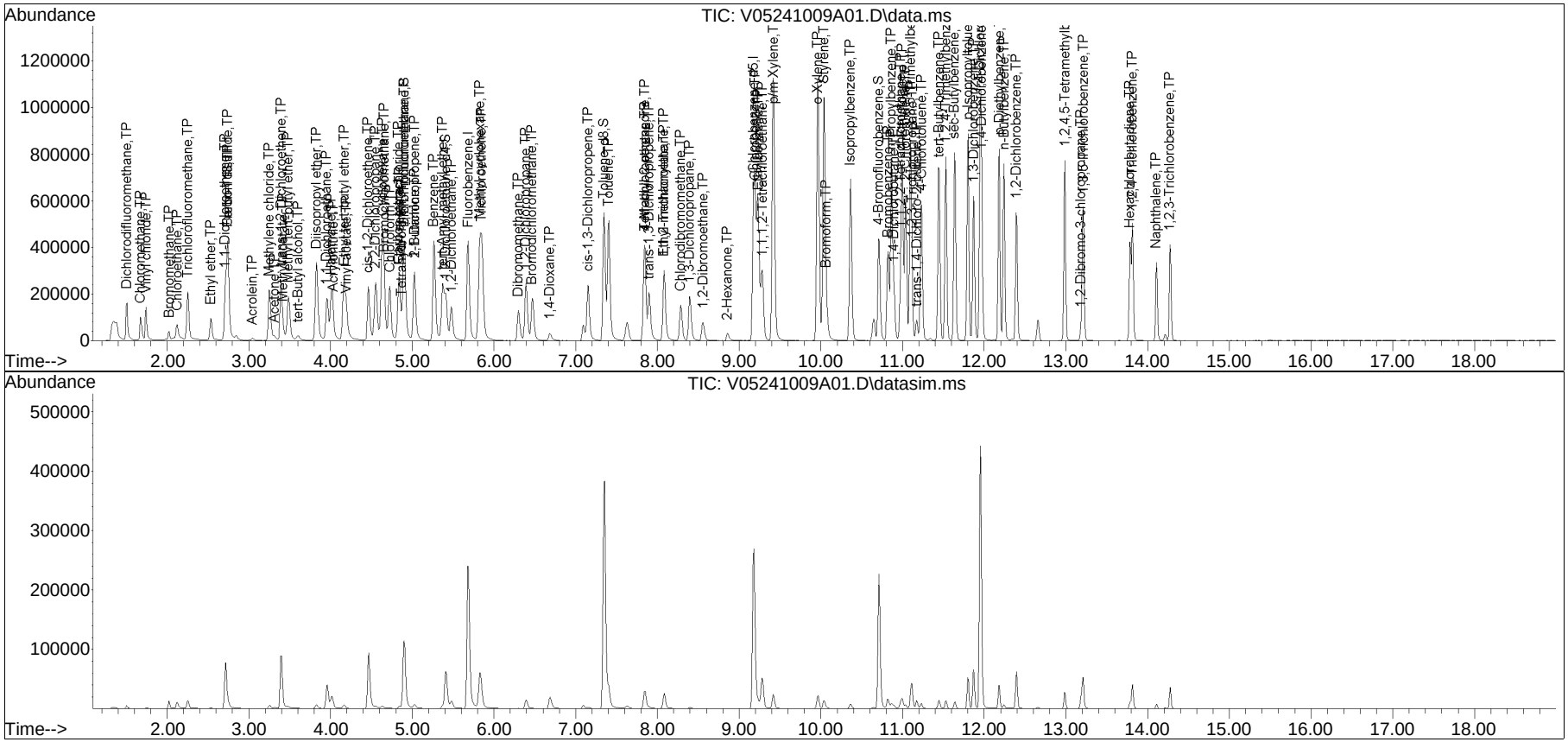
(#) = qualifier out of range (m) = manual integration (+) = signals summed

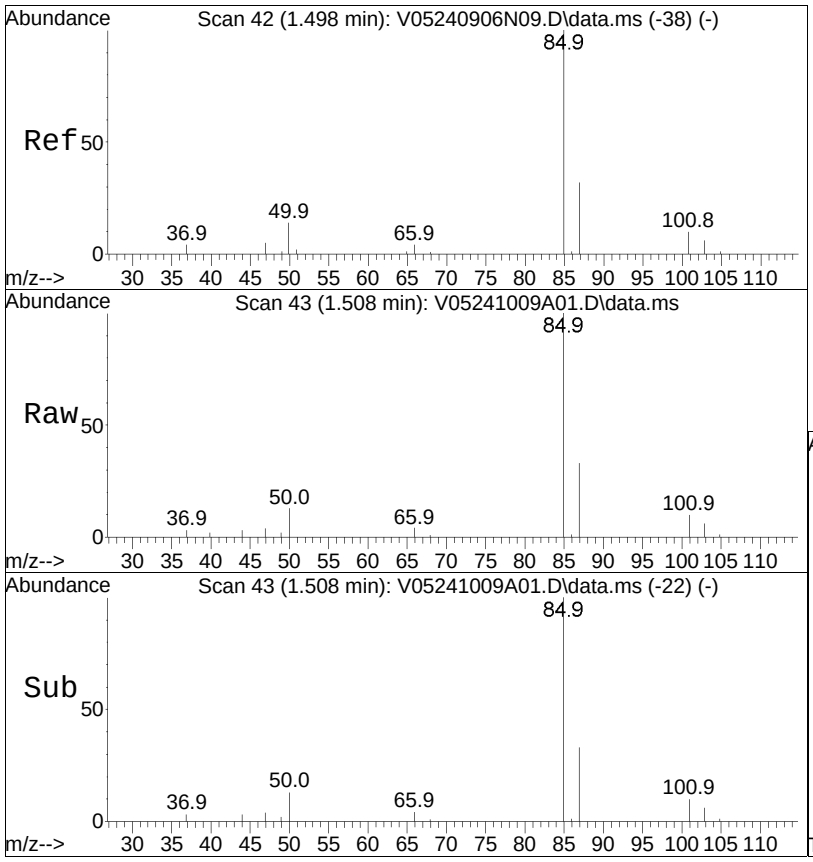
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A01.D
Acq On : 9 Oct 2024 6:38 am
Operator : VOA105:PID
Sample : WG1982134-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 07:09:35 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

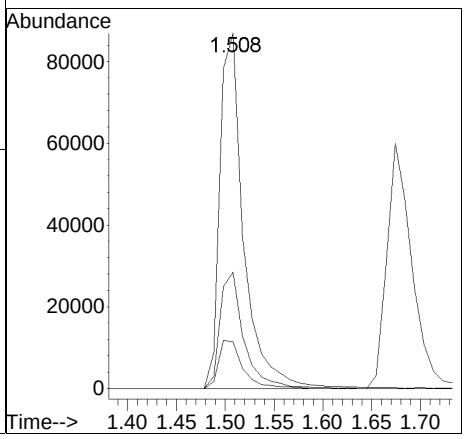


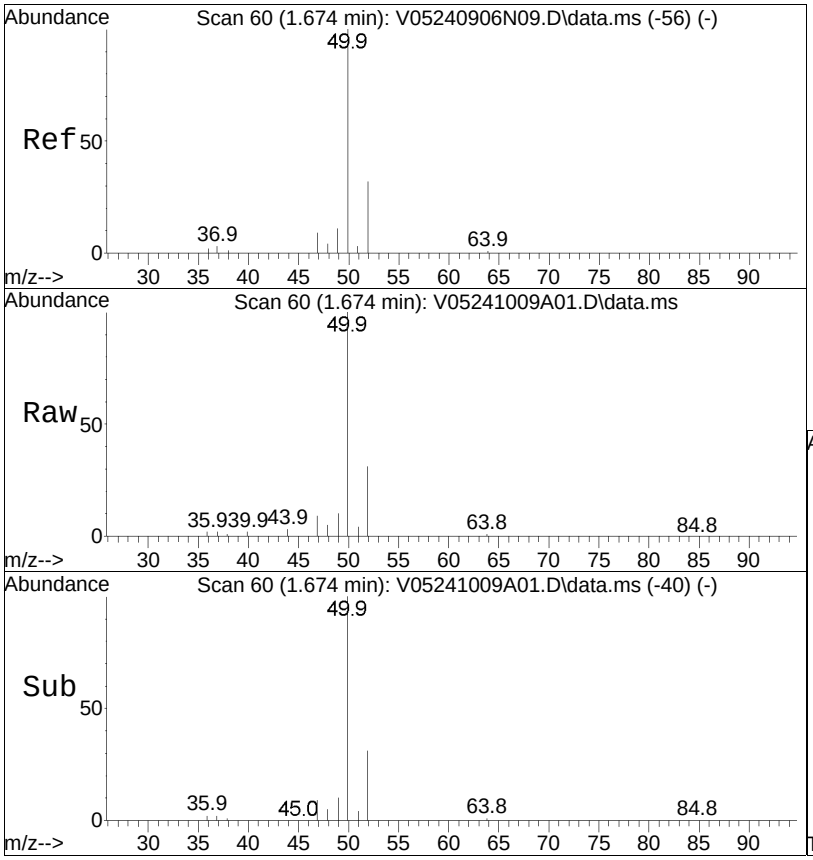


#2
Dichlorodifluoromethane
Concen: 11.18 ug/L
RT: 1.508 min Scan# 43
Delta R.T. 0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 85 Resp: 148148

Ion	Ratio	Lower	Upper
85	100		
87	32.7	20.9	43.5
50	13.7	6.8	14.0

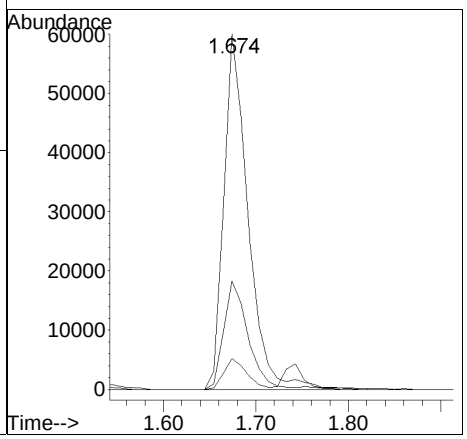


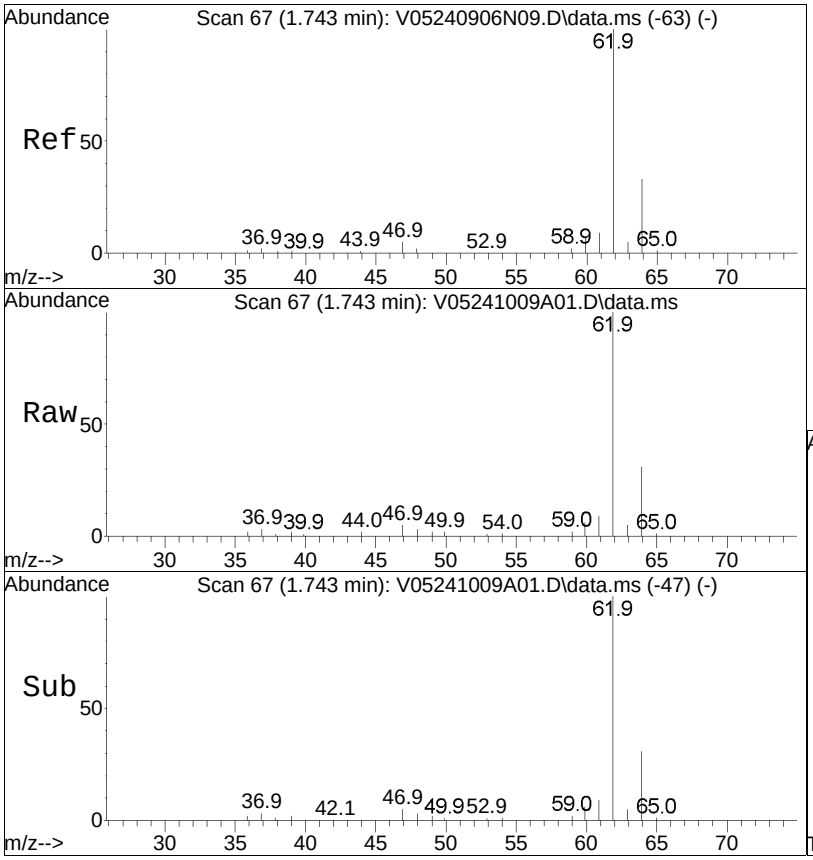


#3
Chloromethane
Concen: 8.56 ug/L
RT: 1.674 min Scan# 60
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 50 Resp: 109528

Ion	Ratio	Lower	Upper
50	100		
52	30.4	12.6	52.6
47	8.2	0.0	30.1

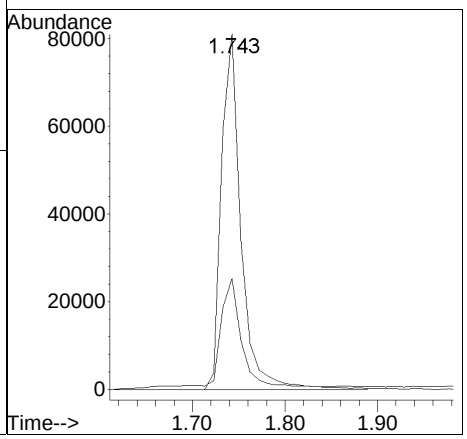


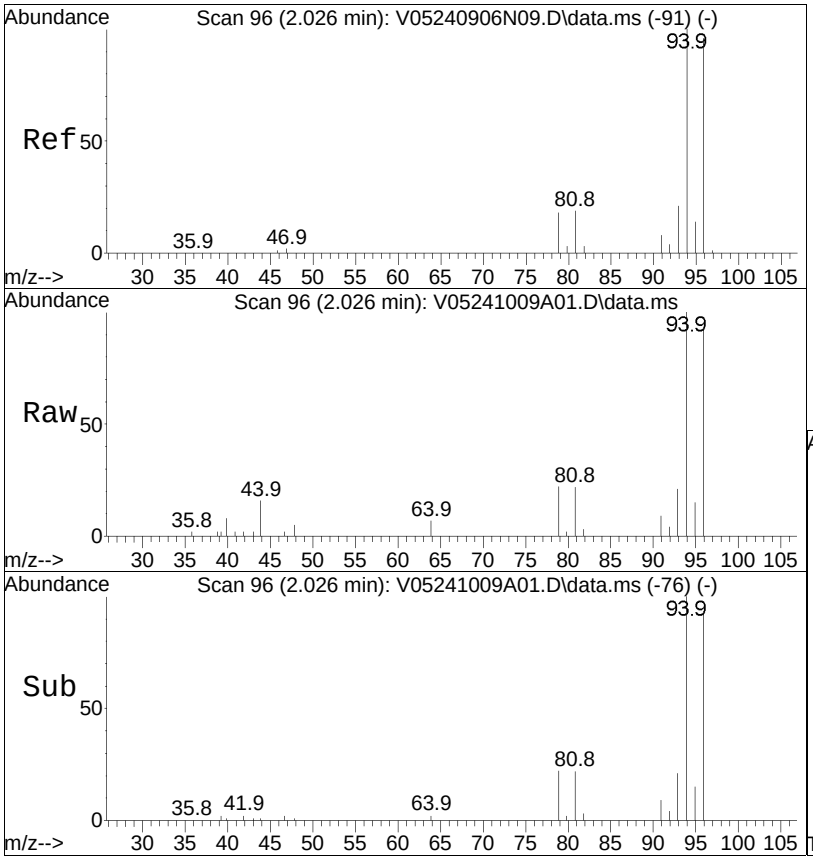


#4
Vinyl chloride
Concen: 10.73 ug/L
RT: 1.743 min Scan# 67
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 62 Resp: 119390

Ion	Ratio	Lower	Upper
62	100		
64	37.5	13.5	53.5

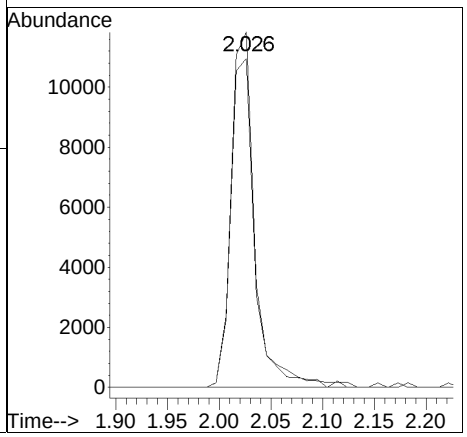


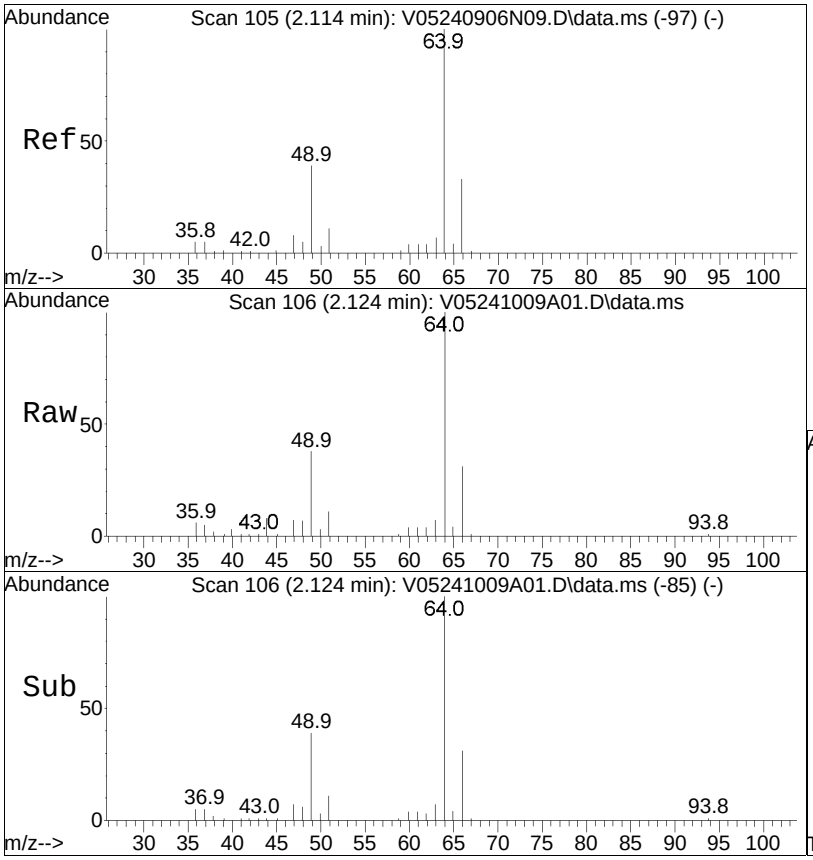


#5
Bromomethane
Concen: 3.50 ug/L
RT: 2.026 min Scan# 96
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 94 Resp: 18946

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.4	115.4

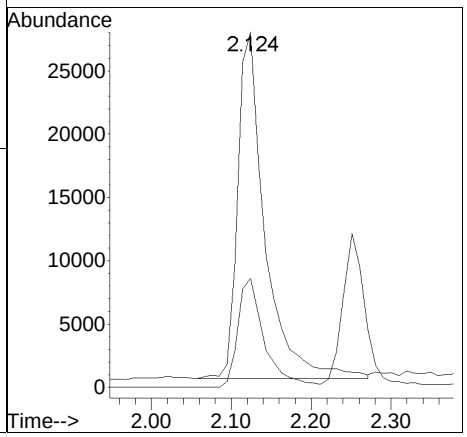


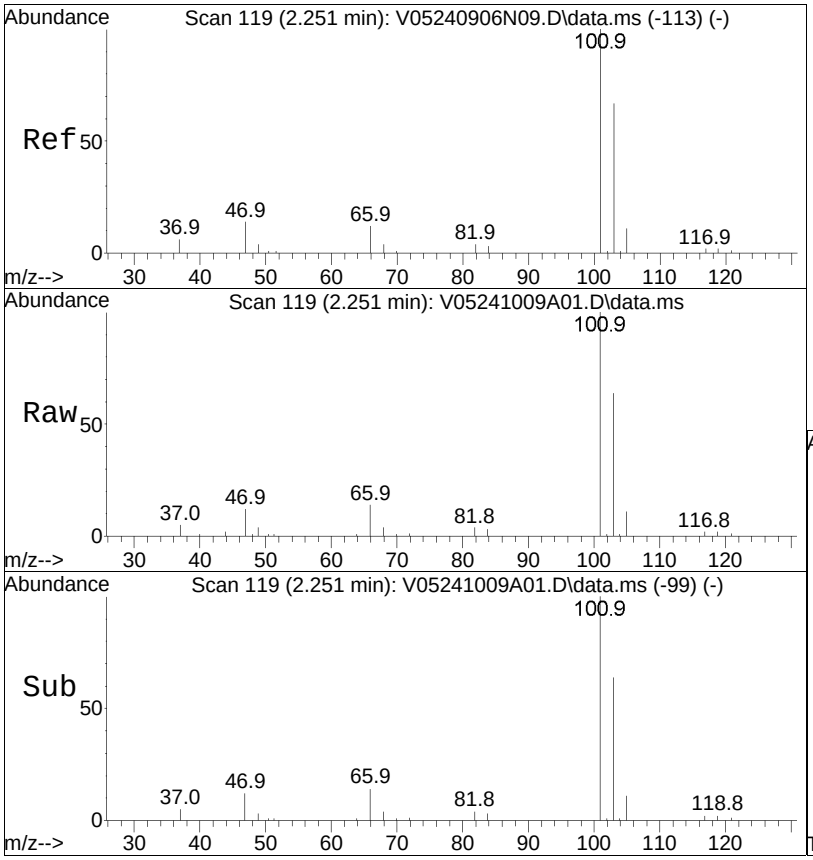


#6
Chloroethane
Concen: 8.40 ug/L
RT: 2.124 min Scan# 106
Delta R.T. 0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 64 Resp: 65294

Ion	Ratio	Lower	Upper
64	100		
66	30.5	13.8	53.8

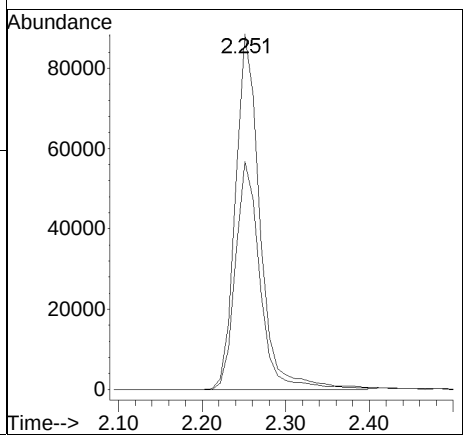


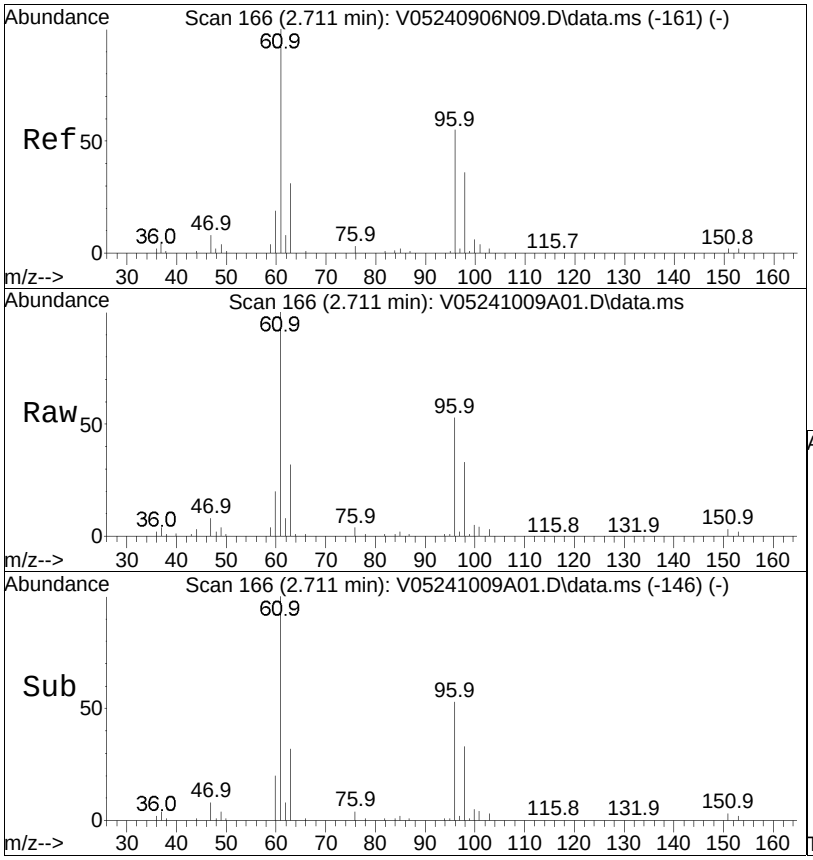


#7
Trichlorofluoromethane
Concen: 10.77 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:101 Resp: 180489

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6

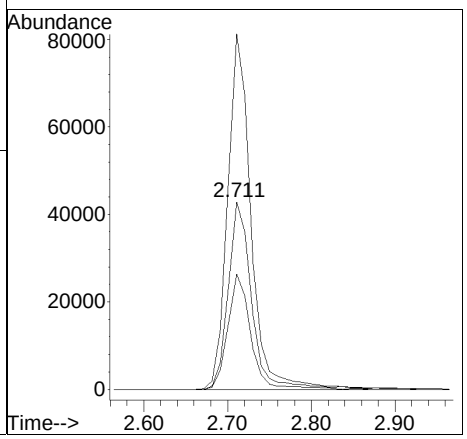


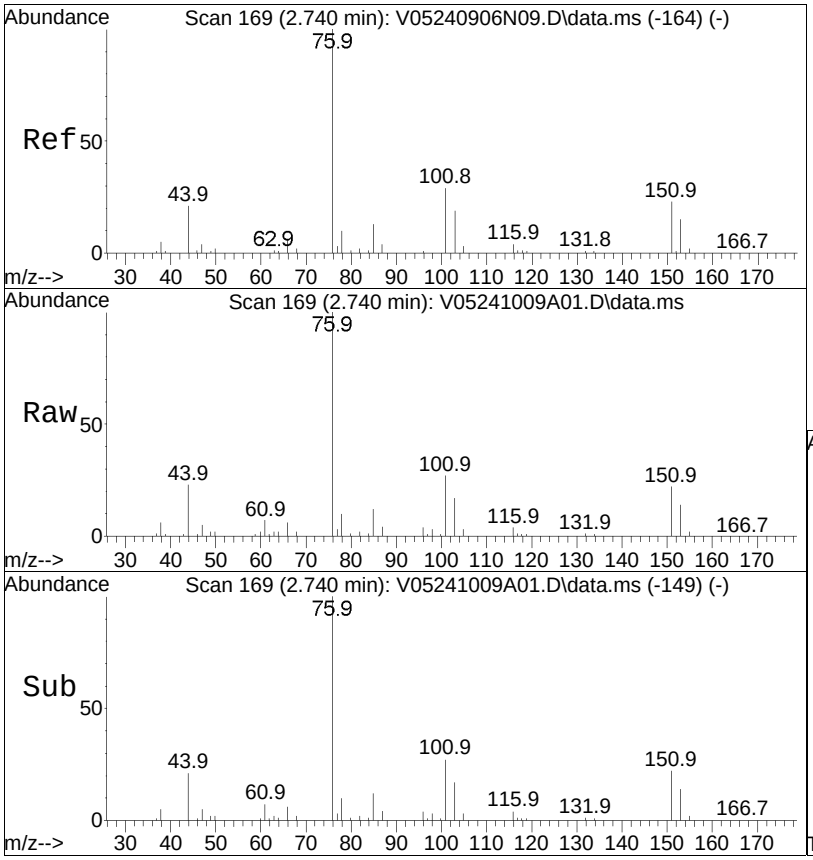


#10
1,1-Dichloroethene
Concen: 10.11 ug/L
RT: 2.711 min Scan# 166
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 96 Resp: 84257

Ion	Ratio	Lower	Upper
96	100		
61	188.0	136.7	205.1
63	59.7	45.0	67.6

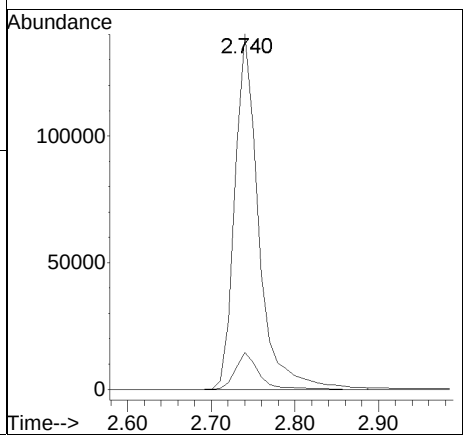


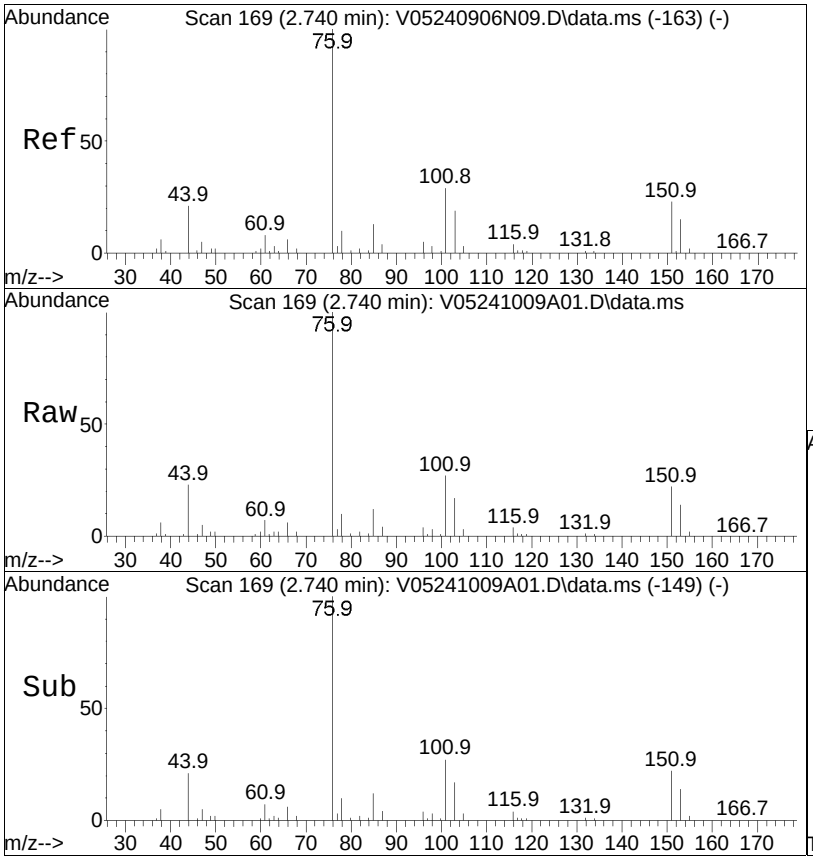


#11
Carbon disulfide
Concen: 10.89 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 76 Resp: 279485

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.7	13.9

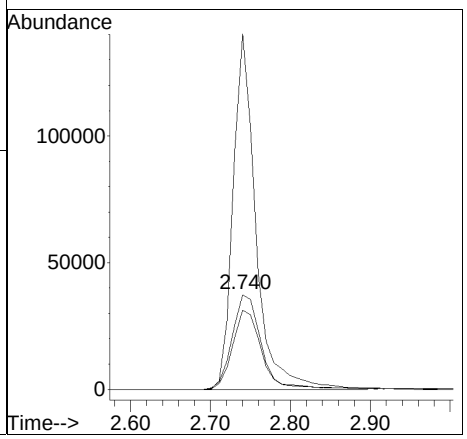


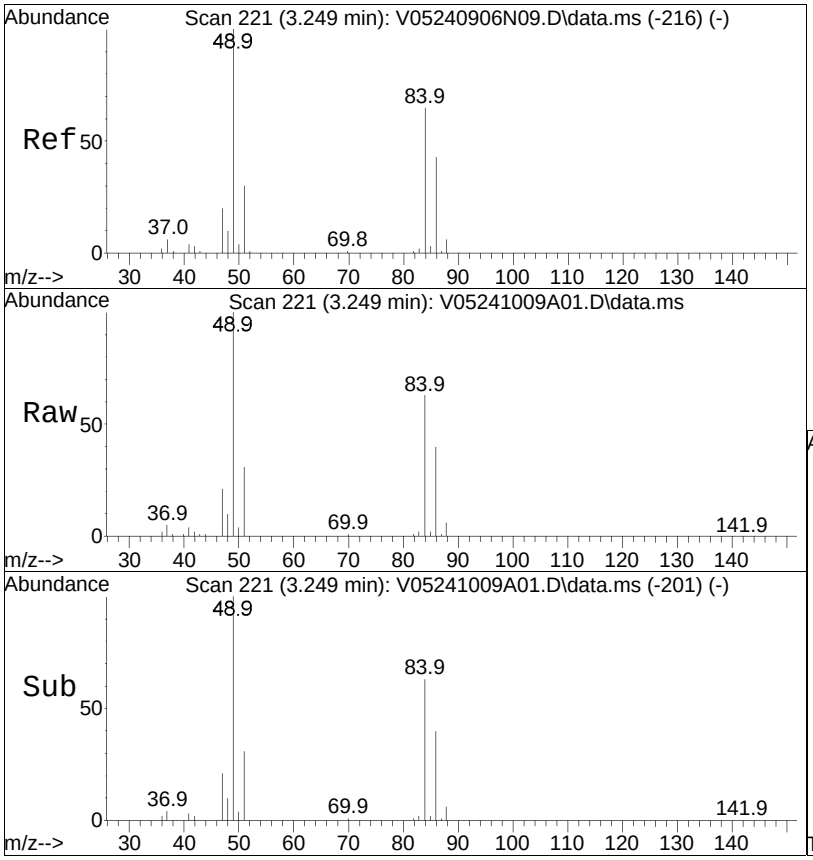


#12
Freon-113
Concen: 10.43 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:101 Resp: 95585

Ion	Ratio	Lower	Upper
101	100		
151	83.7	65.0	97.6
76	292.4	190.0	285.0#

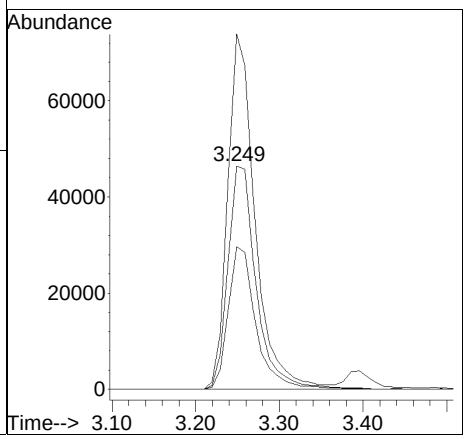


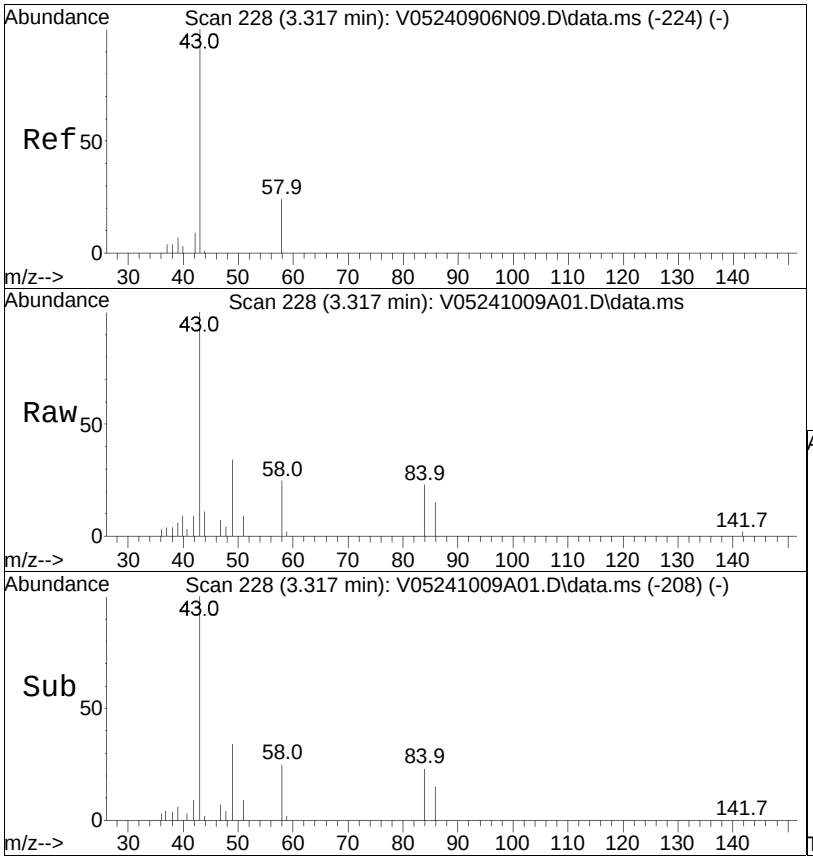


#15
Methylene chloride
Concen: 11.10 ug/L
RT: 3.249 min Scan# 221
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 84 Resp: 109804

Ion	Ratio	Lower	Upper
84	100		
86	62.8	42.1	87.5
49	152.9	69.3	143.9#

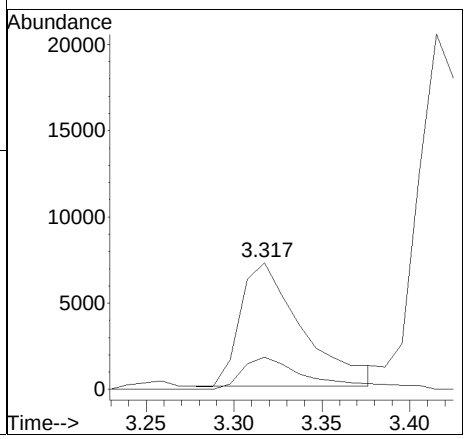


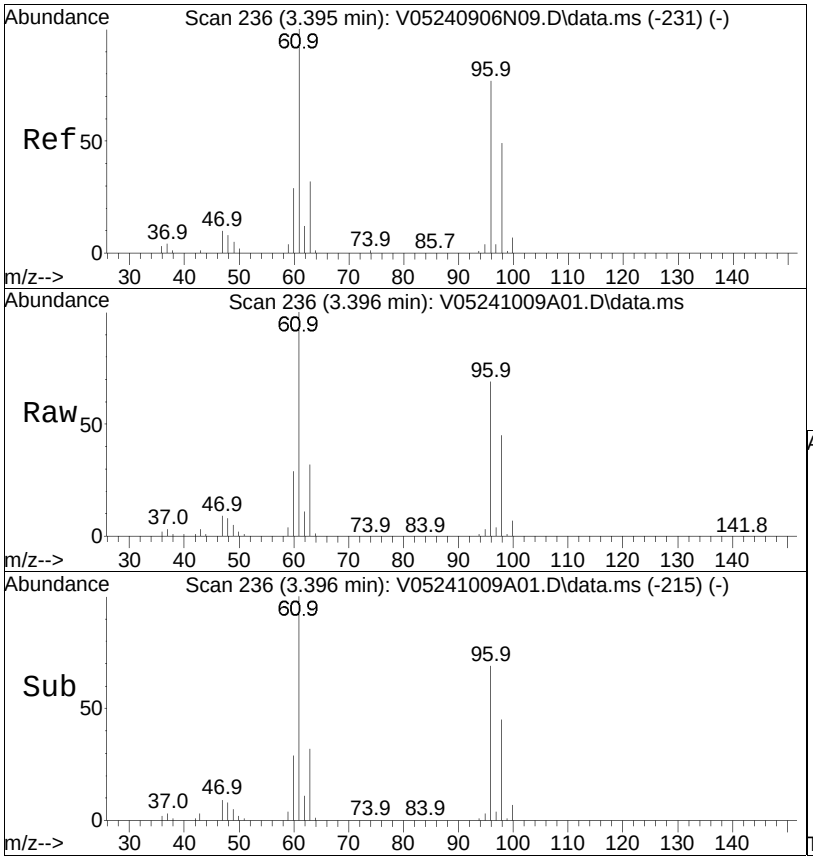


#17
Acetone
Concen: 8.26 ug/L
RT: 3.317 min Scan# 228
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 43 Resp: 17678

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.0	33.0

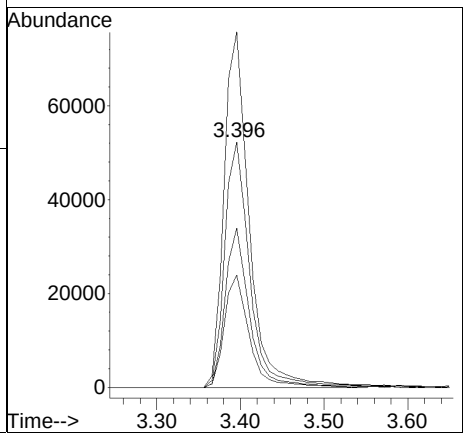


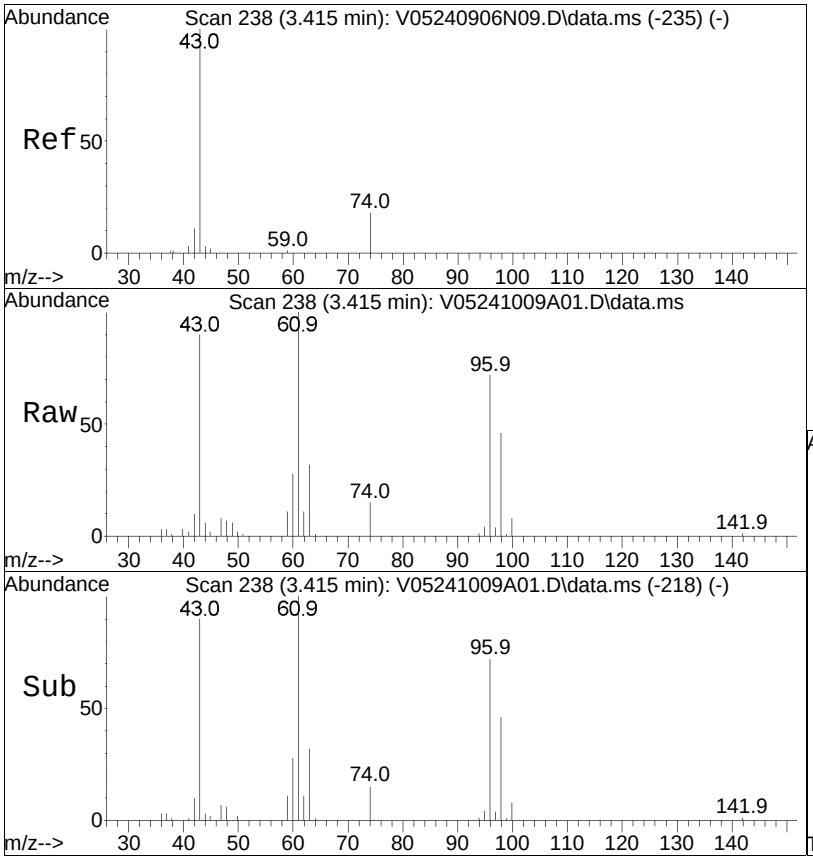


#18
trans-1,2-Dichloroethene
Concen: 11.16 ug/L
RT: 3.396 min Scan# 236
Delta R.T. 0.001 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 96 Resp: 110004

Ion	Ratio	Lower	Upper
96	100		
61	144.9	91.7	190.5
98	62.9	41.1	85.5
63	45.3	29.4	61.0

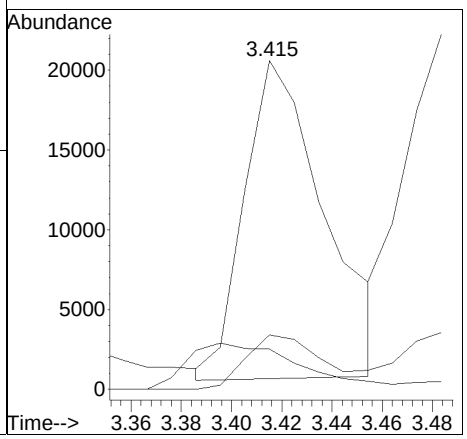


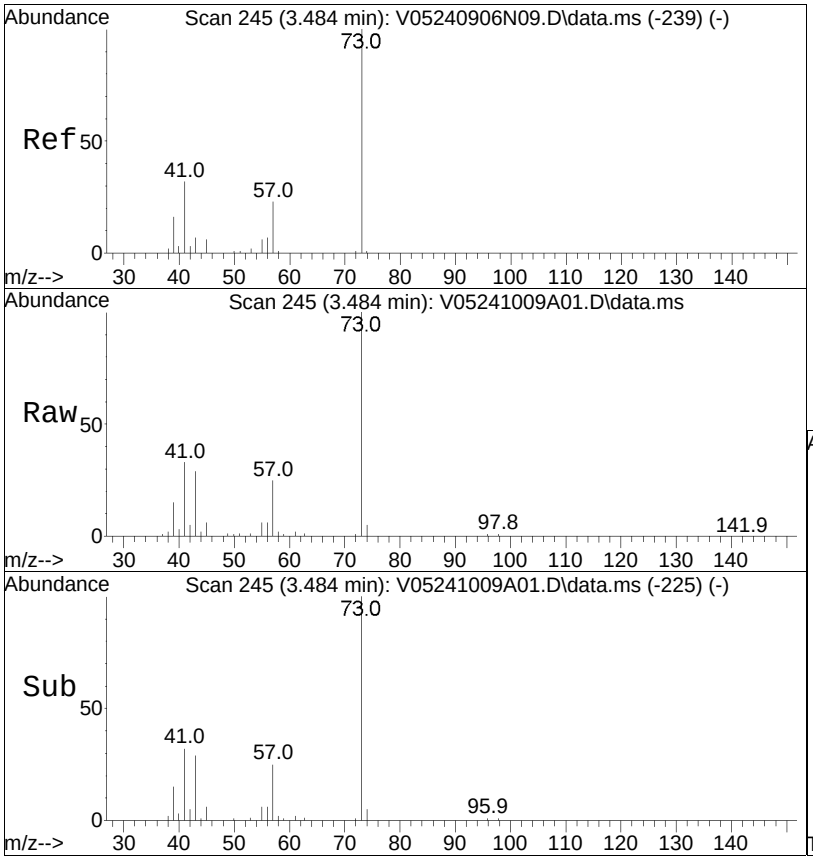


#19
Methyl acetate
Concen: 9.43 ug/L
RT: 3.415 min Scan# 238
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 43 Resp: 44263

Ion	Ratio	Lower	Upper
43	100		
74	15.7	23.1	34.7#
59	20.5	23.9	35.9#

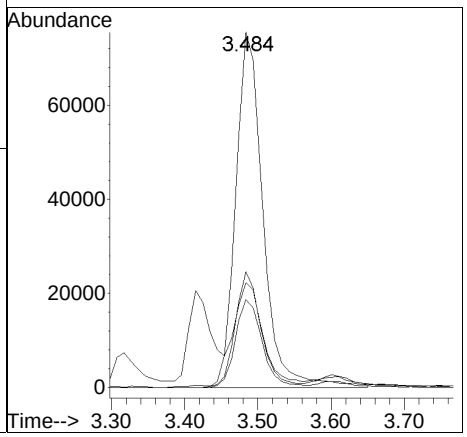


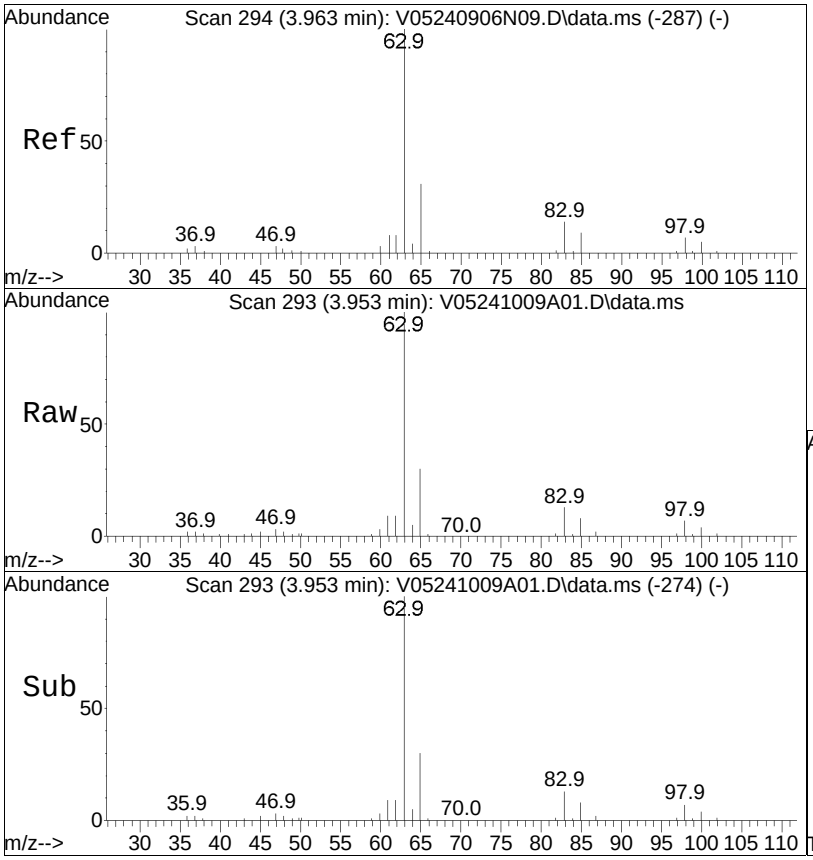


#20
Methyl tert-butyl ether
Concen: 9.04 ug/L
RT: 3.484 min Scan# 245
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 73 Resp: 196176

Ion	Ratio	Lower	Upper
73	100		
57	24.3	11.8	24.6
43	27.1	13.5	27.9
41	31.4	13.3	27.5#

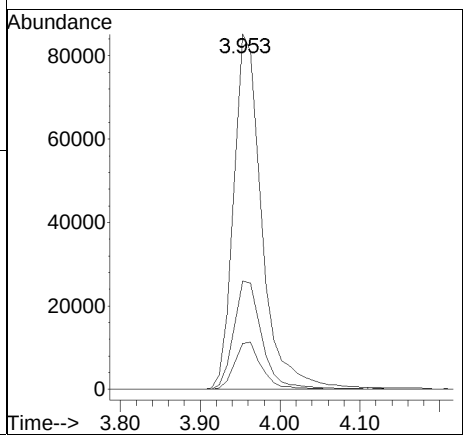


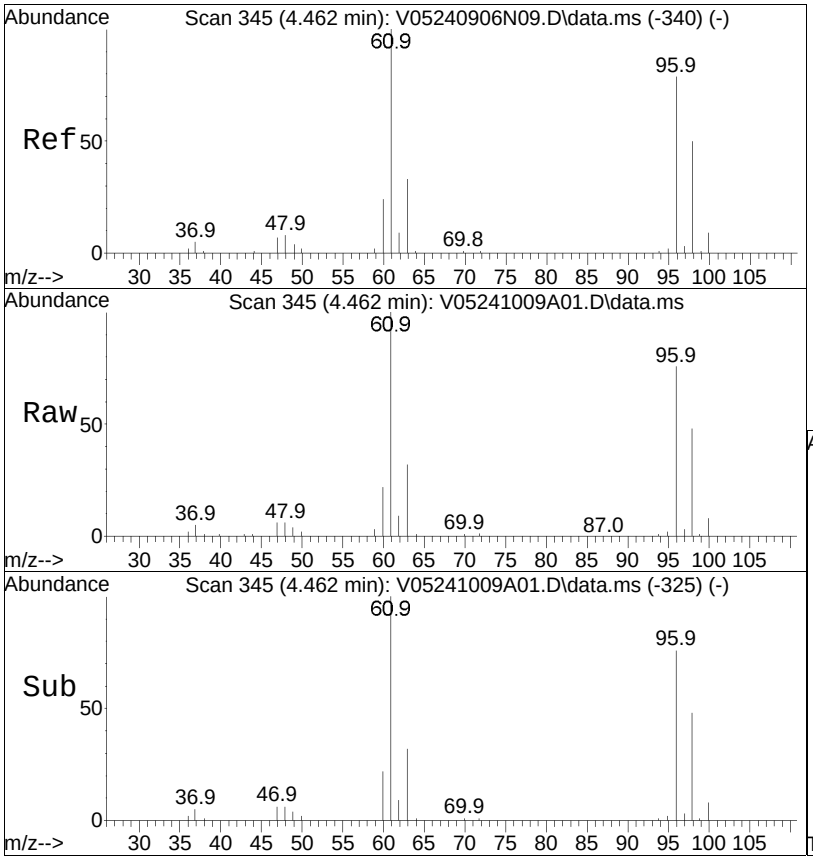


#23
1,1-Dichloroethane
Concen: 11.70 ug/L
RT: 3.953 min Scan# 293
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 63 Resp: 209953

Ion	Ratio	Lower	Upper
63	100		
65	30.6	11.9	51.9
83	12.8	0.0	34.2

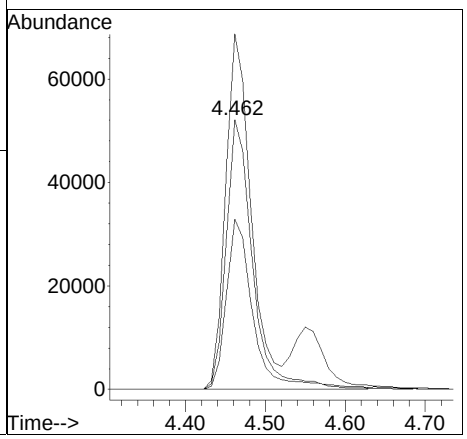


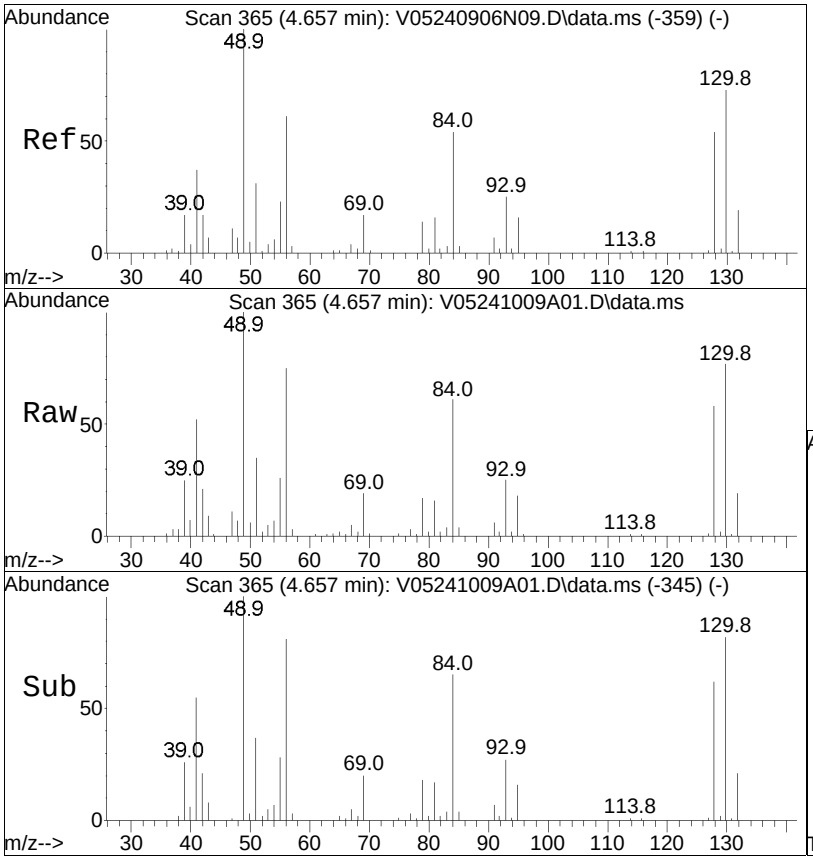


#28
cis-1,2-Dichloroethene
Concen: 10.84 ug/L
RT: 4.462 min Scan# 345
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 96 Resp: 120991

Ion	Ratio	Lower	Upper
96	100		
61	125.7	100.5	150.7
98	63.6	49.8	74.8

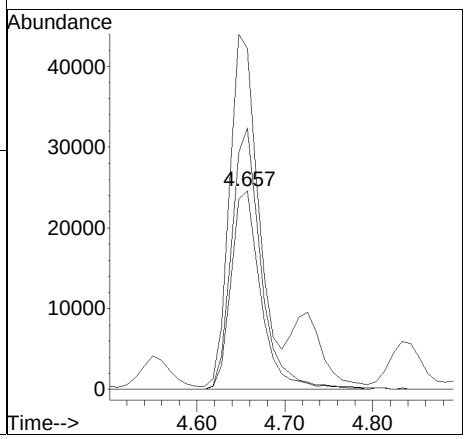


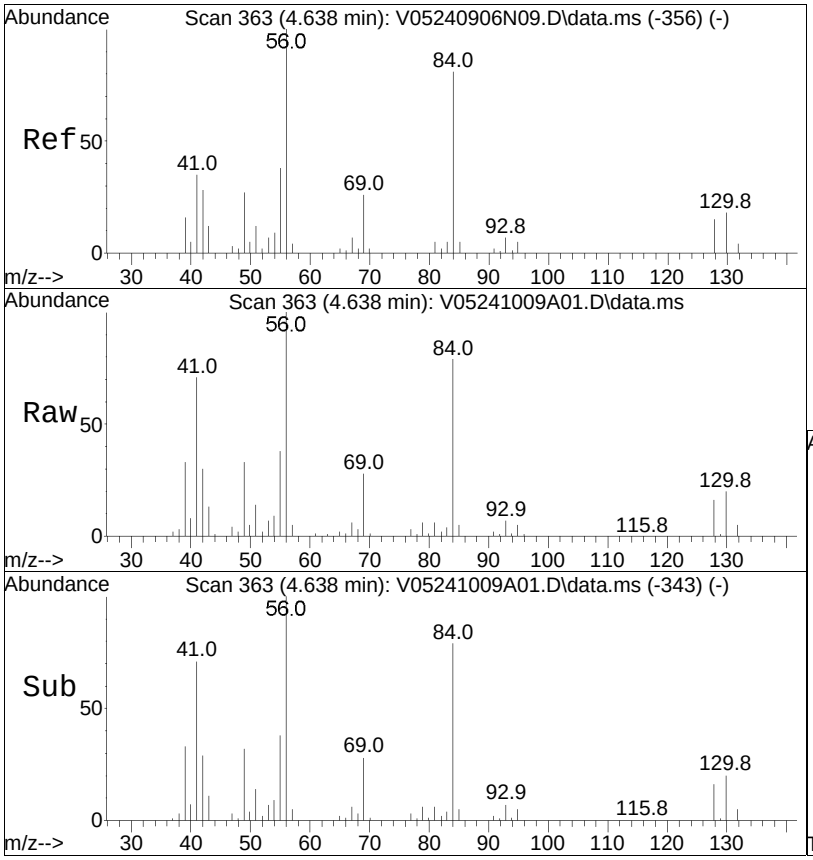


#30
Bromochloromethane
Concen: 10.83 ug/L
RT: 4.657 min Scan# 365
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:128 Resp: 58319

Ion	Ratio	Lower	Upper
128	100		
49	171.6	109.0	163.4#
130	130.4	105.6	158.4

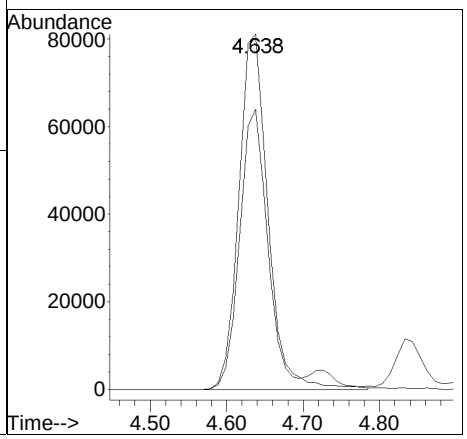


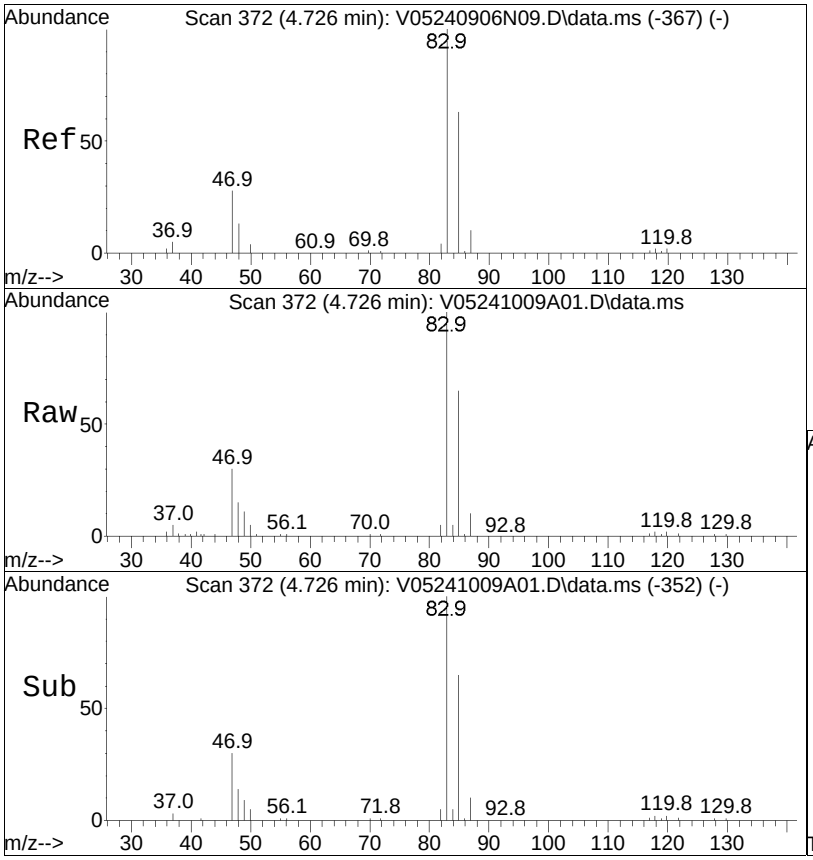


#31
Cyclohexane
Concen: 12.40 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 56 Resp: 214697

Ion	Ratio	Lower	Upper
56	100		
84	76.1	64.4	133.8

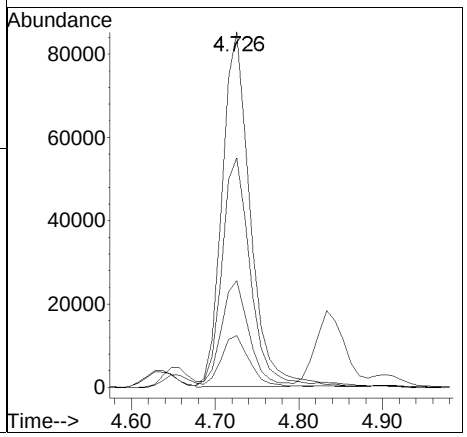


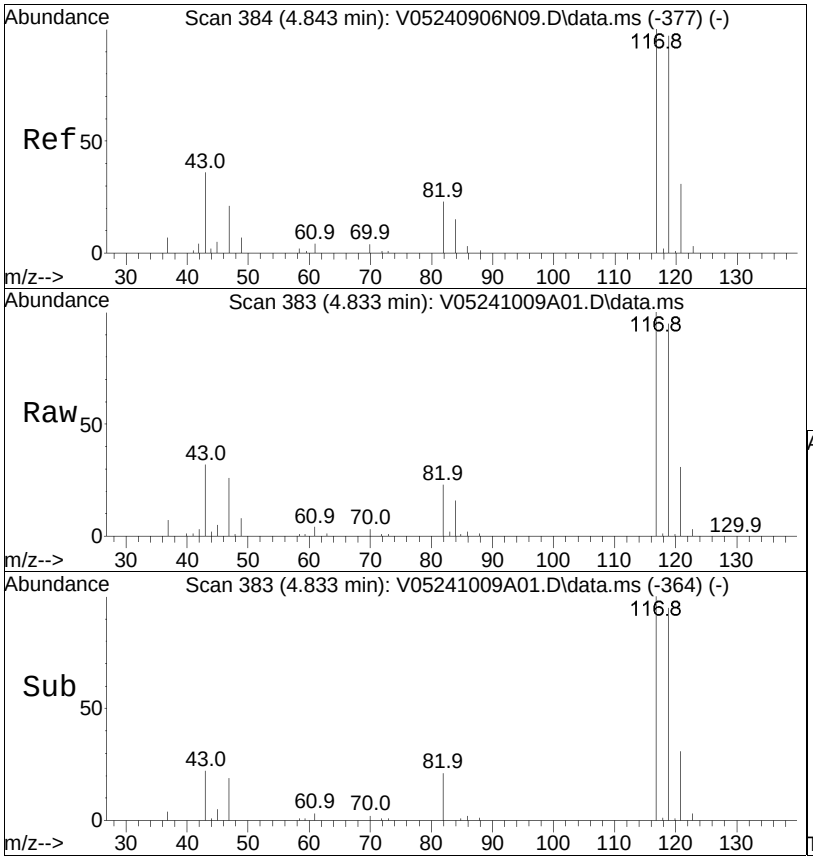


#32
Chloroform
Concen: 10.63 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 199514

Ion	Ratio	Lower	Upper
83	100		
85	65.8	42.8	89.0
47	27.3	13.7	28.4
48	14.3	6.9	14.3#

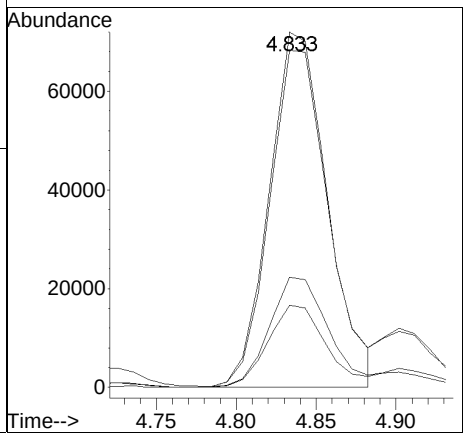


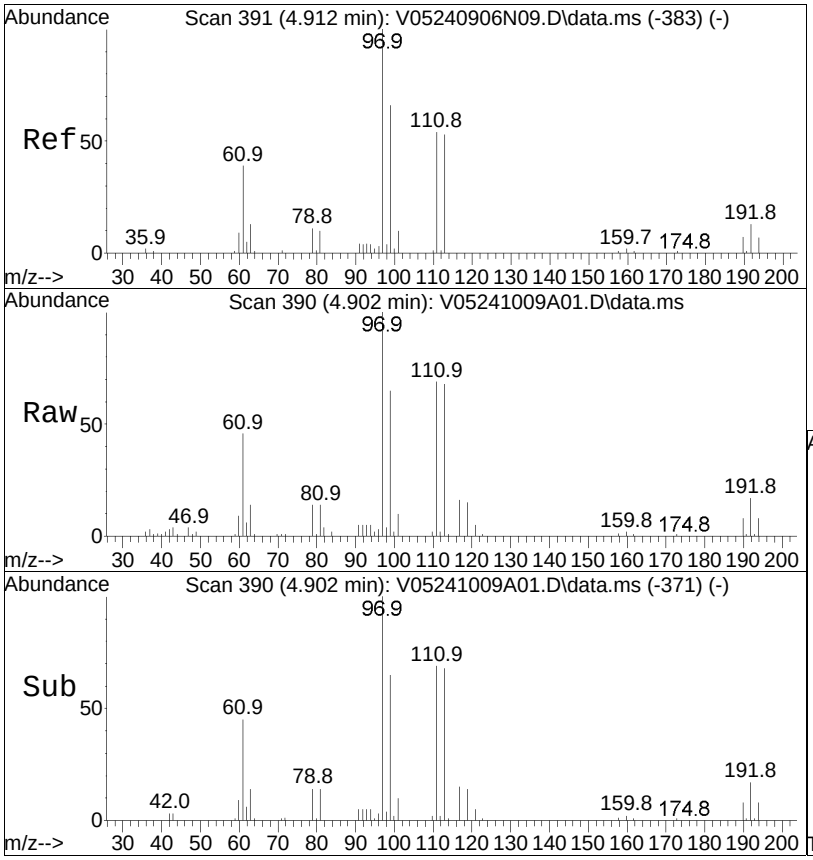


#34
Carbon tetrachloride
Concen: 11.37 ug/L
RT: 4.833 min Scan# 383
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:117 Resp: 183113

Ion	Ratio	Lower	Upper
117	100		
119	95.6	63.6	132.2
121	31.2	19.8	41.0
82	22.6	15.9	32.9

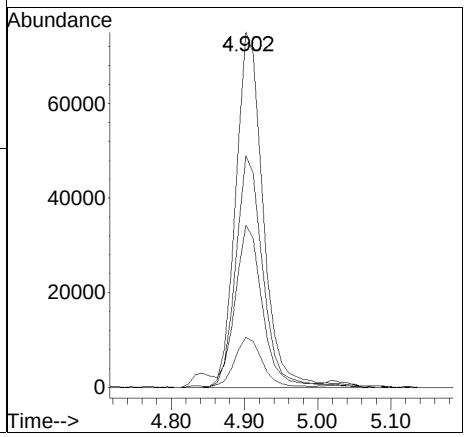


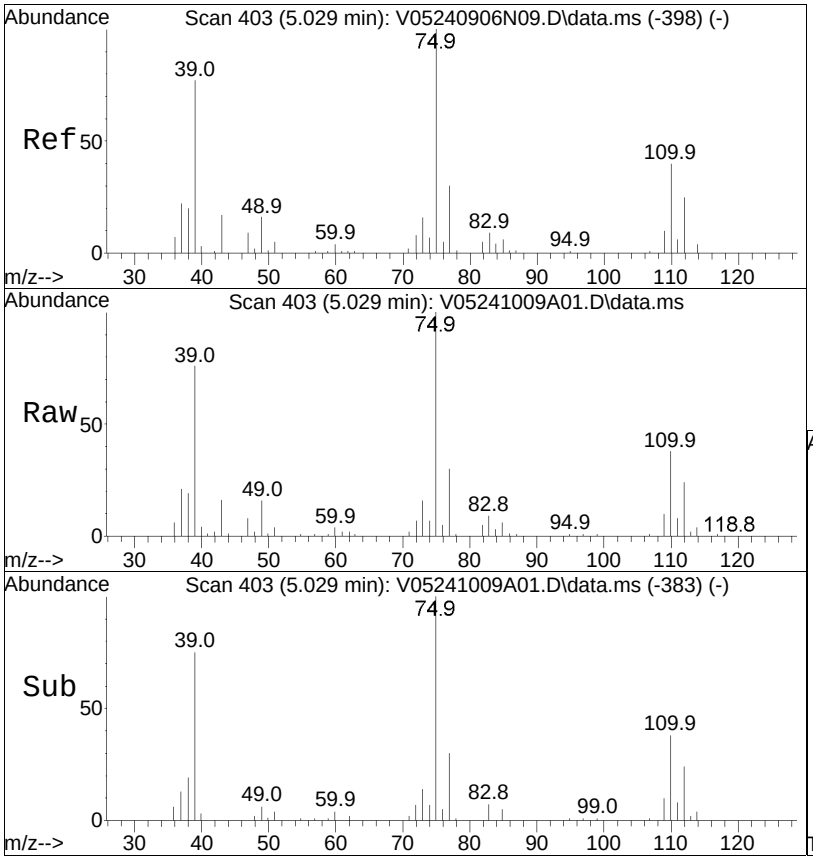


#37
1,1,1-Trichloroethane
Concen: 11.26 ug/L
RT: 4.902 min Scan# 390
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 97 Resp: 196964

Ion	Ratio	Lower	Upper
97	100		
99	64.4	41.7	86.5
61	44.5	26.1	54.3
63	14.5	8.5	17.6

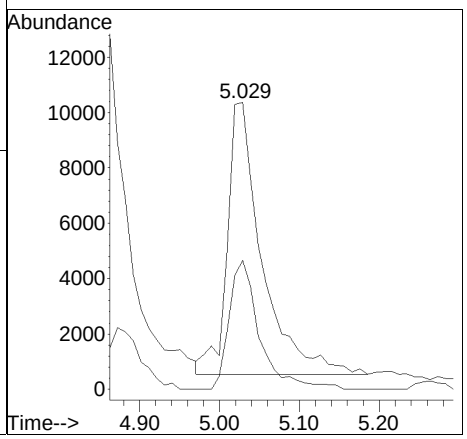


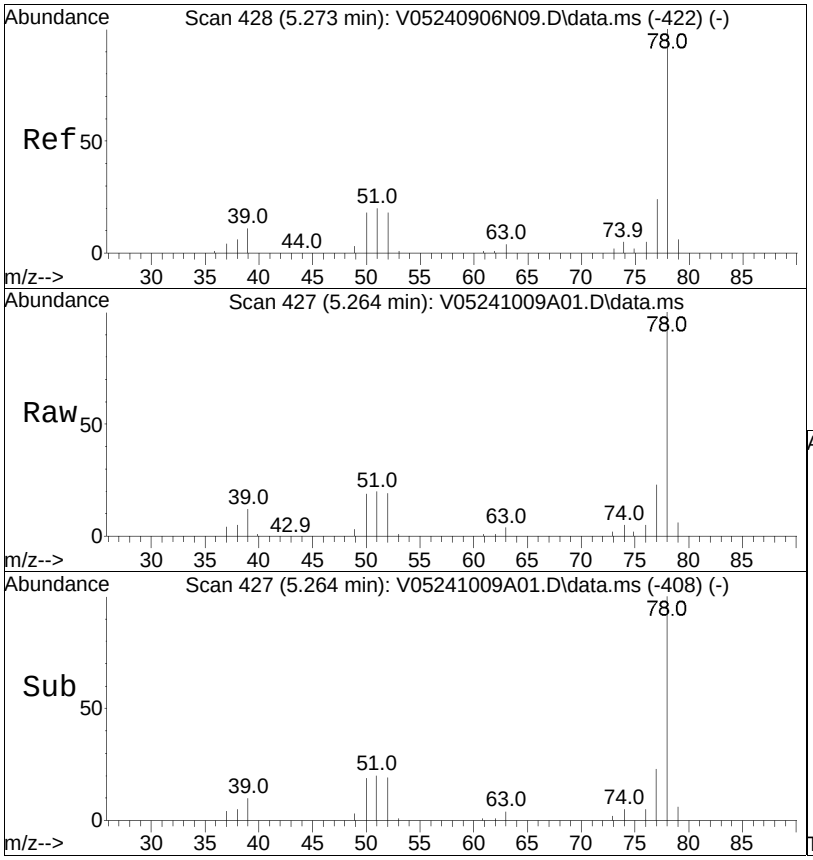


#39
2-Butanone
Concen: 9.13 ug/L
RT: 5.029 min Scan# 403
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 43 Resp: 29692

Ion	Ratio	Lower	Upper
43	100		
72	41.8	55.6	83.4#

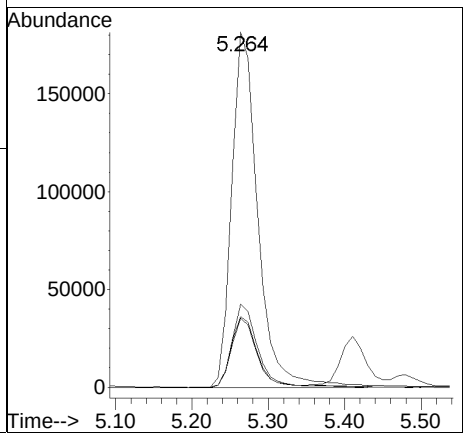


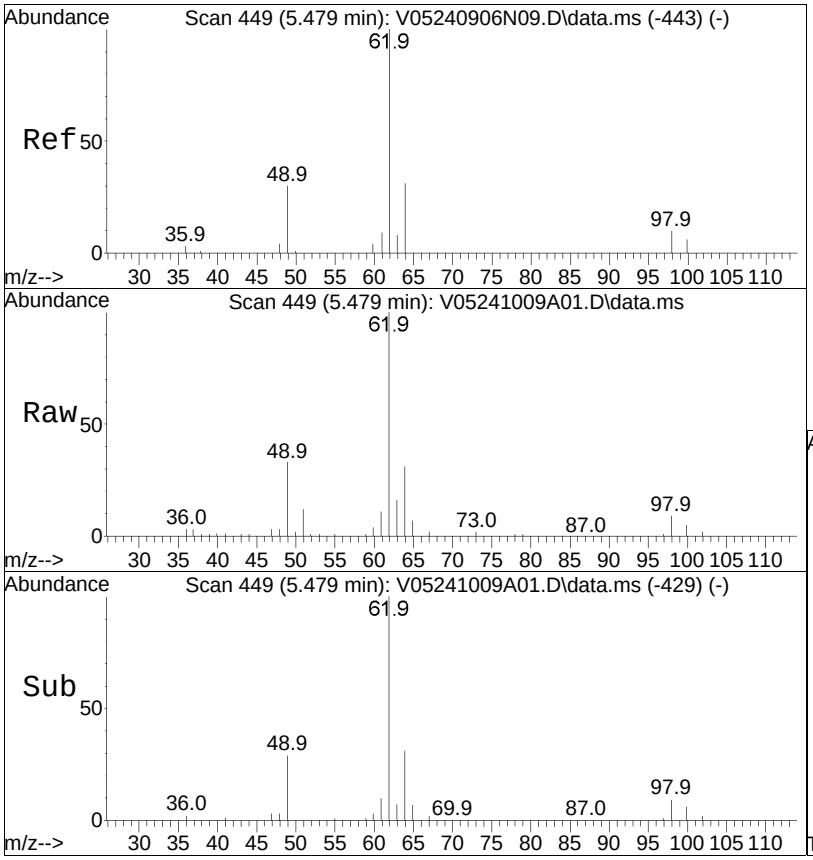


#41
Benzene
Concen: 11.37 ug/L
RT: 5.264 min Scan# 427
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 78 Resp: 433860

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.2	31.6
51	19.7	10.5	21.7
52	18.8	9.5	19.7

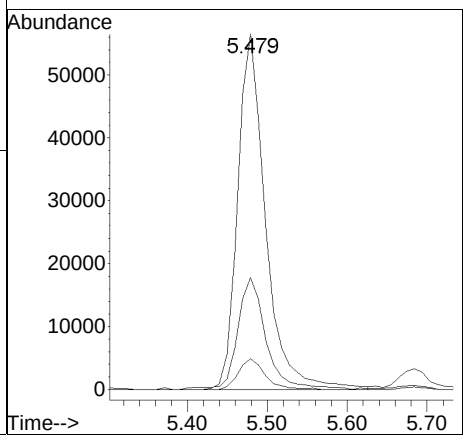


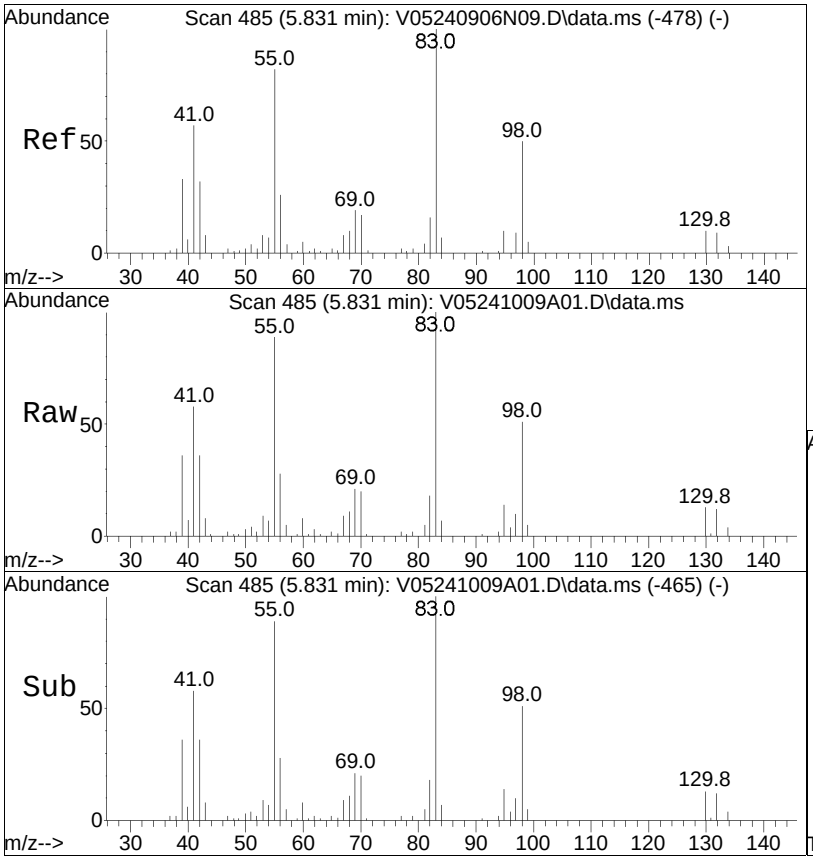


#44
1,2-Dichloroethane
Concen: 10.90 ug/L
RT: 5.479 min Scan# 449
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 62 Resp: 137217

Ion	Ratio	Lower	Upper
62	100		
64	32.0	13.2	53.2
98	8.2	0.0	27.8

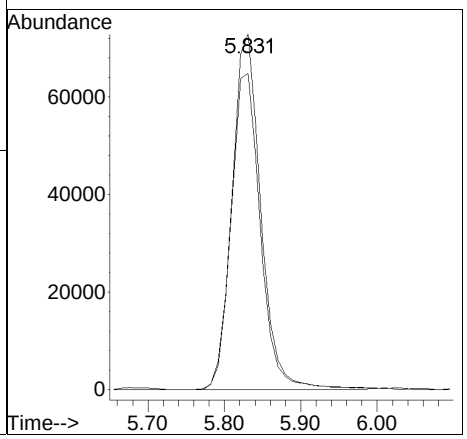


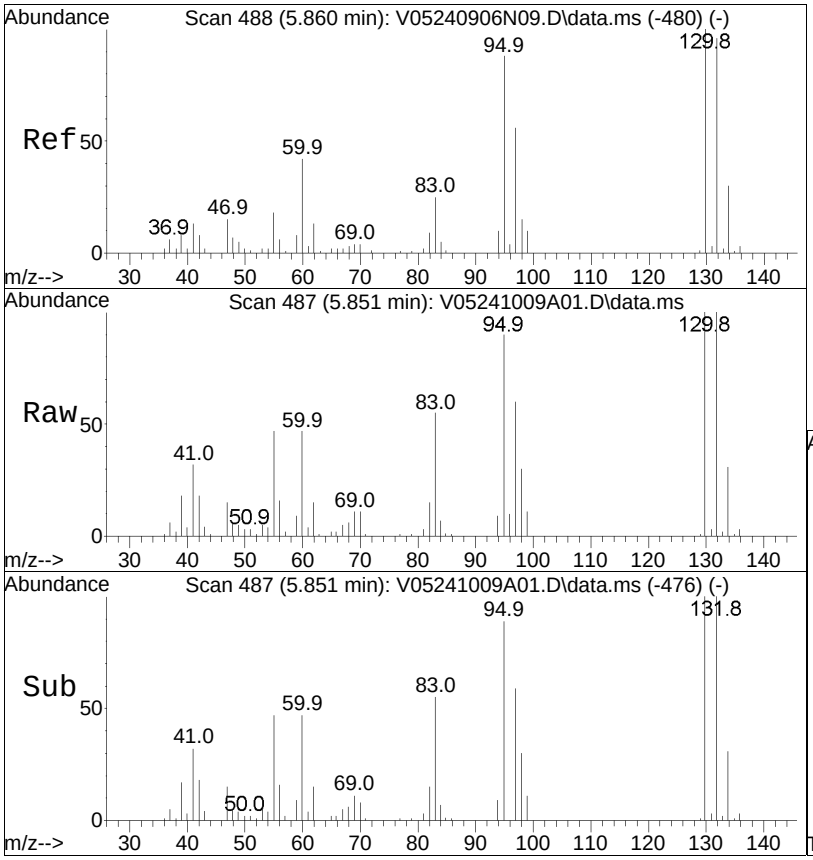


#47
Methyl cyclohexane
Concen: 10.93 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 191267

Ion	Ratio	Lower	Upper
83	100		
55	90.4	57.3	85.9#

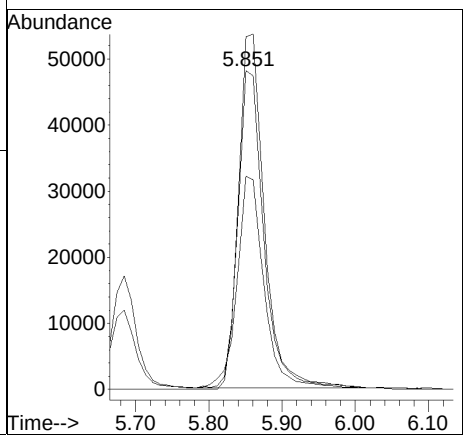


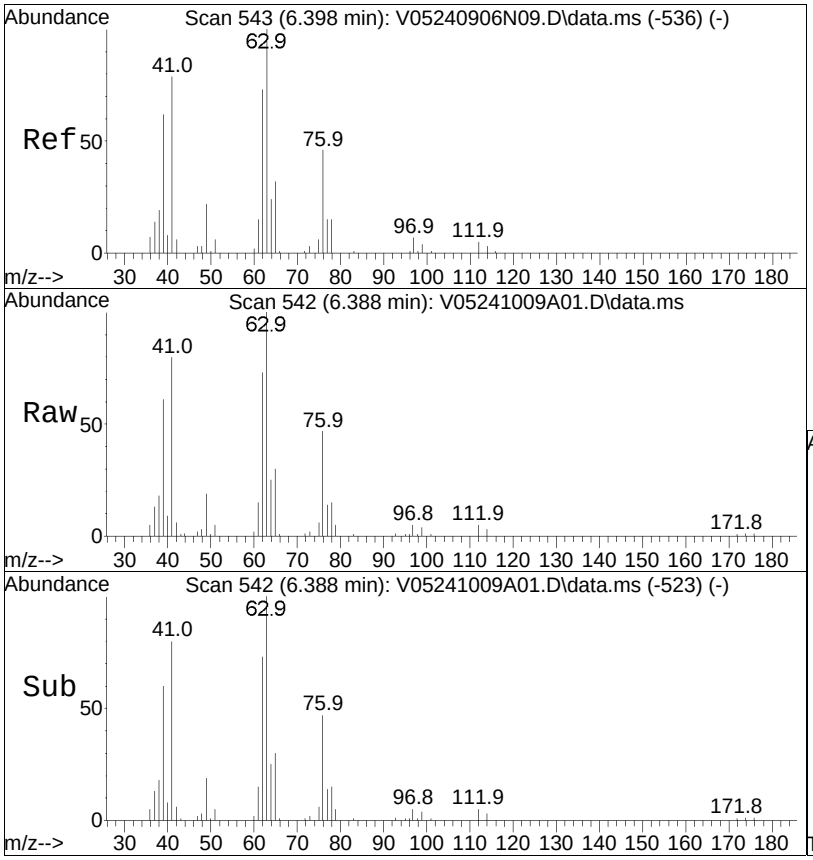


#48
Trichloroethene
Concen: 10.40 ug/L
RT: 5.851 min Scan# 487
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 95 Resp: 118117

Ion	Ratio	Lower	Upper
95	100		
97	69.7	56.1	84.1
130	113.8	77.7	116.5

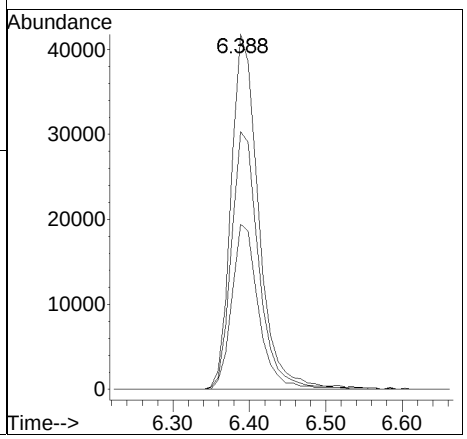


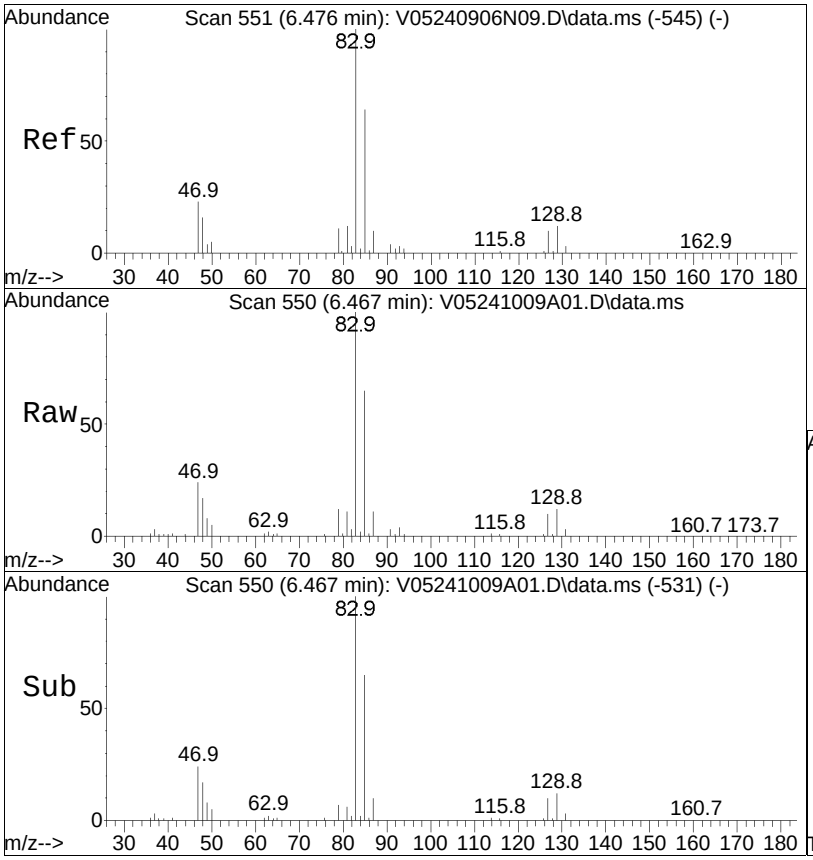


#51
1,2-Dichloropropane
Concen: 11.06 ug/L
RT: 6.388 min Scan# 542
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 63 Resp: 105383

Ion	Ratio	Lower	Upper
63	100		
62	72.2	57.0	85.4
76	45.3	48.4	72.6#

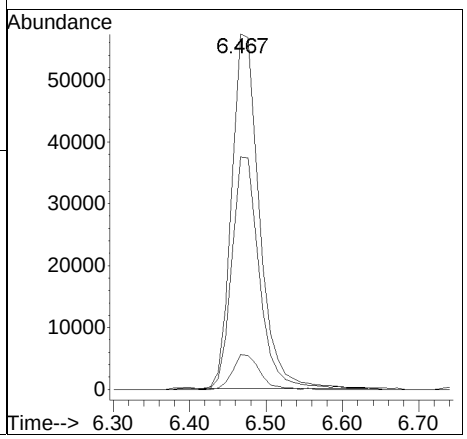


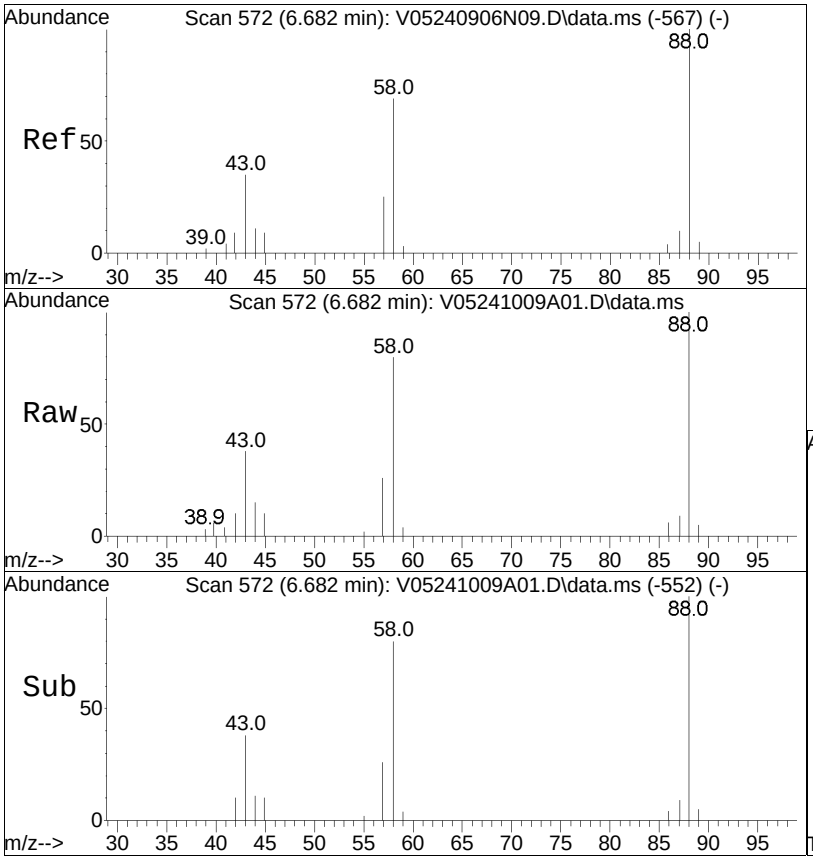


#54
Bromodichloromethane
Concen: 10.36 ug/L
RT: 6.467 min Scan# 550
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 144527

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.6
127	9.6	6.7	10.1

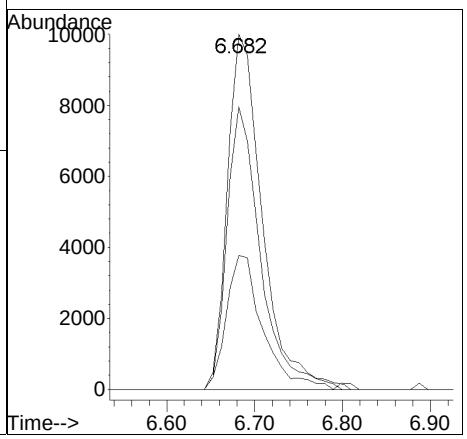


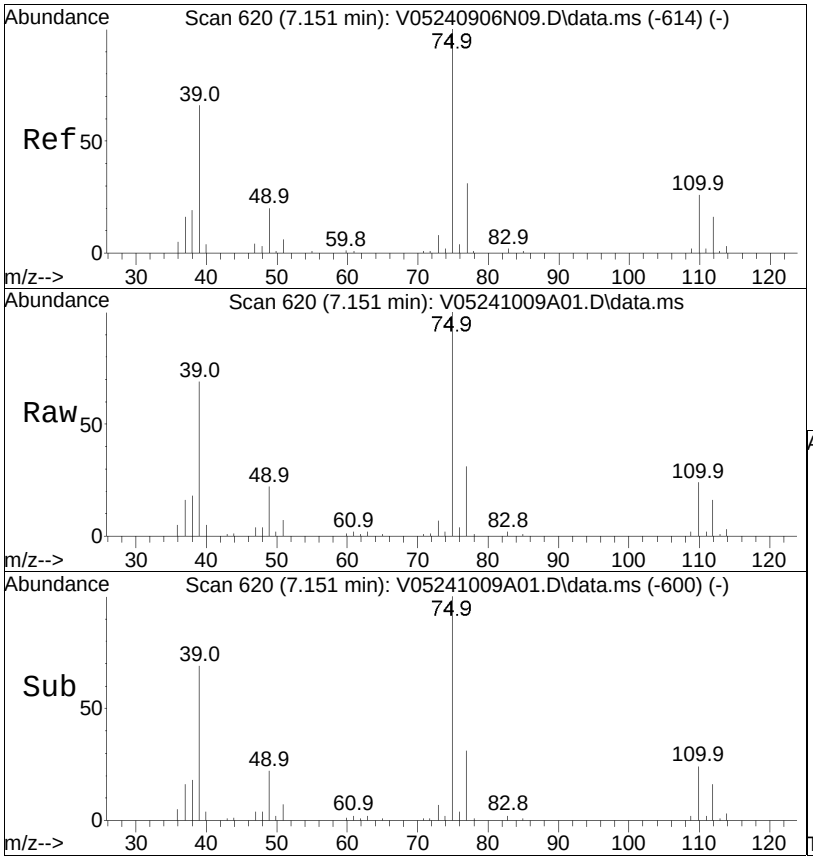


#57
1,4-Dioxane
Concen: 466.36 ug/L
RT: 6.682 min Scan# 572
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 88 Resp: 27729

Ion	Ratio	Lower	Upper
88	100		
58	76.3	50.6	75.8#
43	39.3	20.5	30.7#

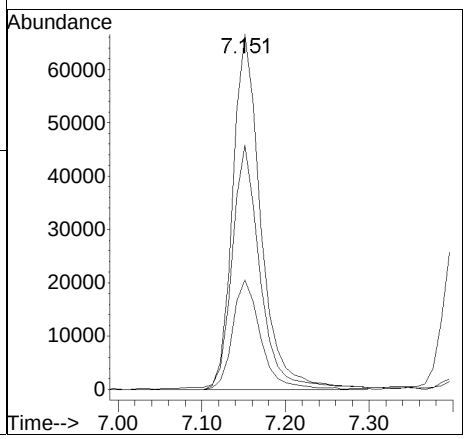


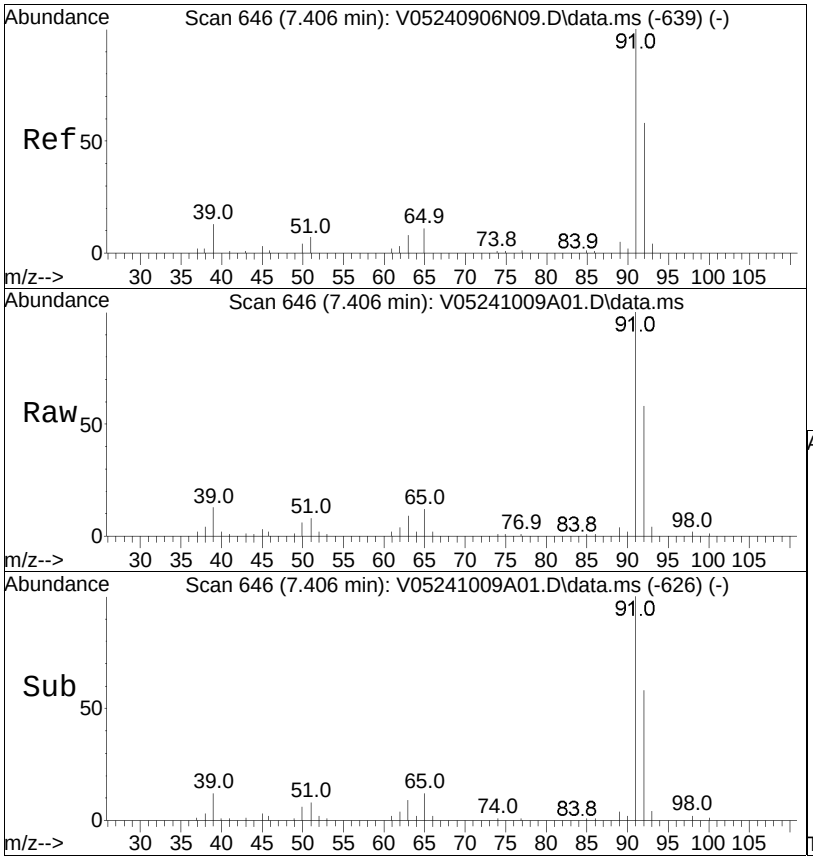


#58
cis-1,3-Dichloropropene
Concen: 10.63 ug/L
RT: 7.151 min Scan# 620
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 75 Resp: 155941

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3
39	69.4	40.4	60.6#

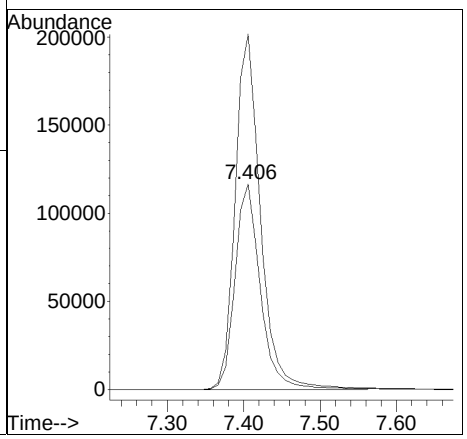


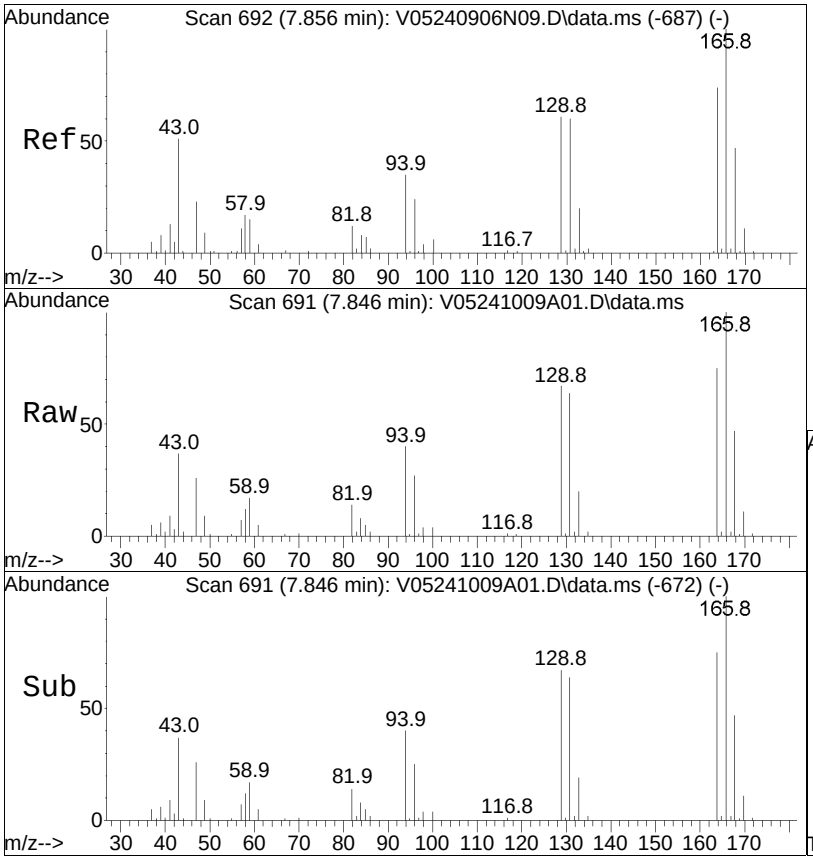


#61
Toluene
Concen: 10.85 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 92 Resp: 268141

Ion	Ratio	Lower	Upper
92	100		
91	172.4	135.2	202.8

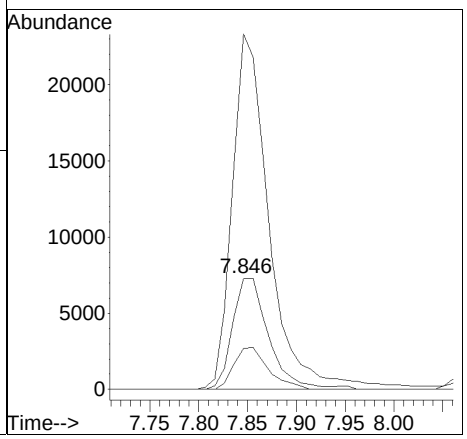


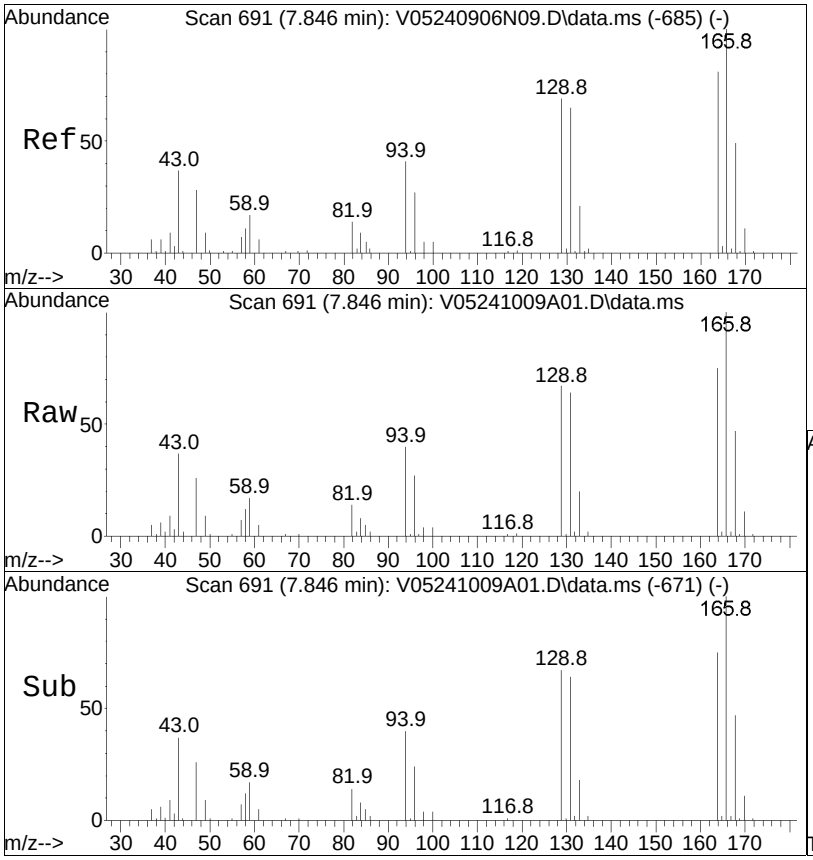


#62
4-Methyl-2-pentanone
Concen: 9.23 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.010 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 58 Resp: 18883

Ion	Ratio	Lower	Upper
58	100		
100	36.1	38.9	58.3#
43	325.6	204.2	306.2#

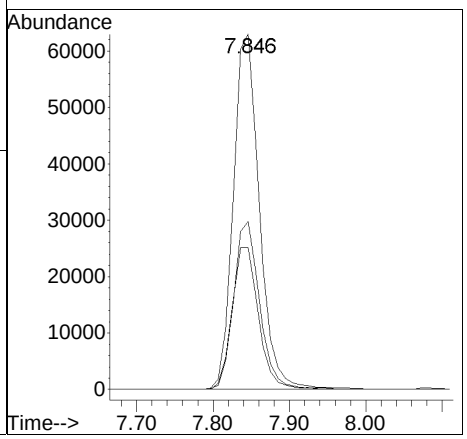


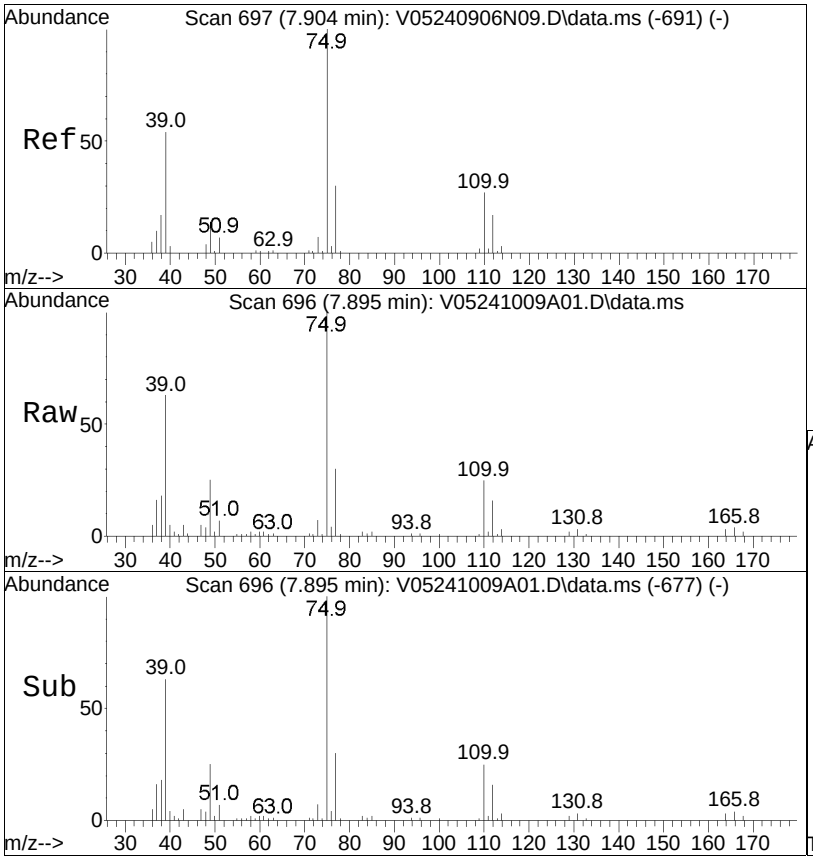


#63
Tetrachloroethene
Concen: 11.48 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:166 Resp: 149646

Ion	Ratio	Lower	Upper
166	100		
168	47.2	30.2	70.2
94	40.7	32.5	72.5

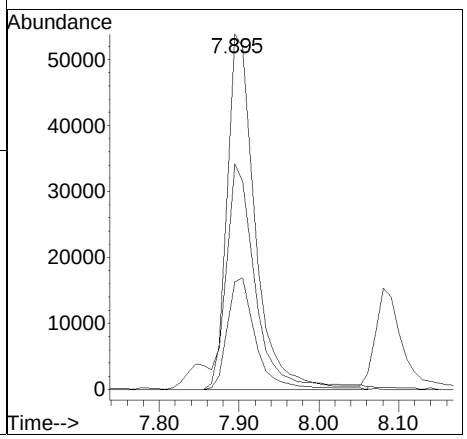


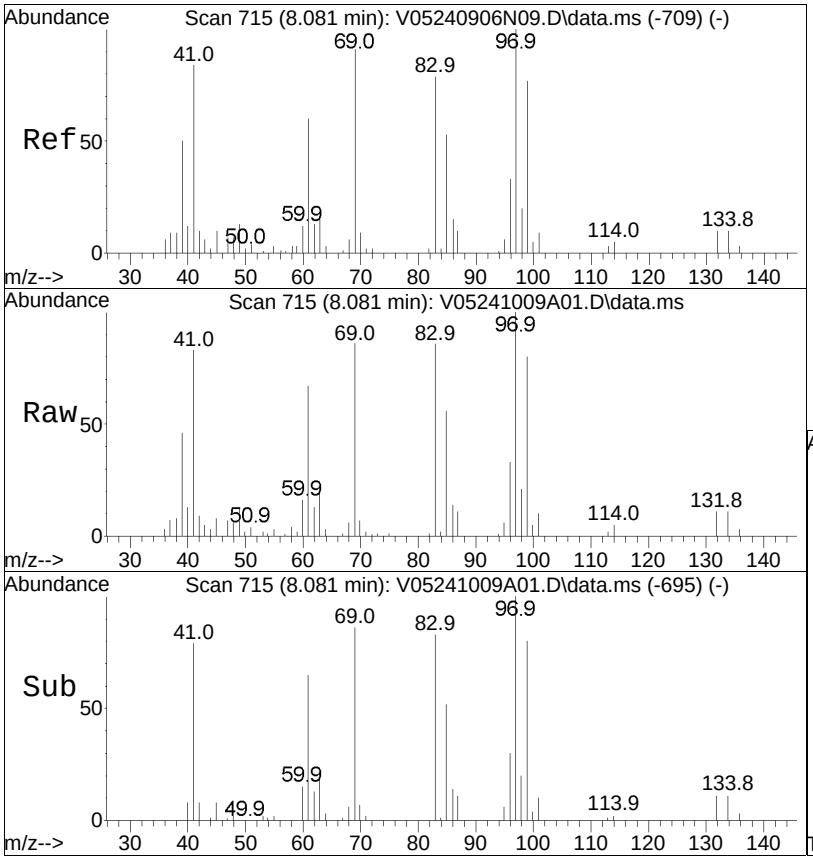


#65
trans-1,3-Dichloropropene
Concen: 10.99 ug/L
RT: 7.895 min Scan# 696
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 75 Resp: 132091

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.5	51.5
39	70.6	29.3	69.3#

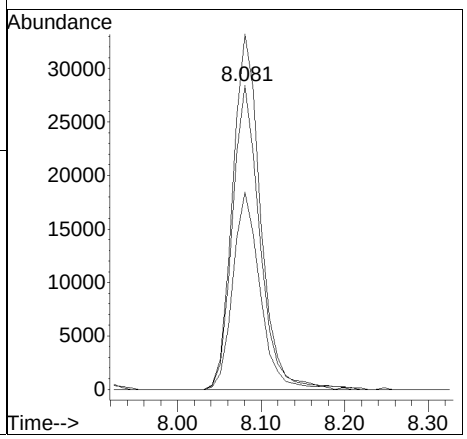


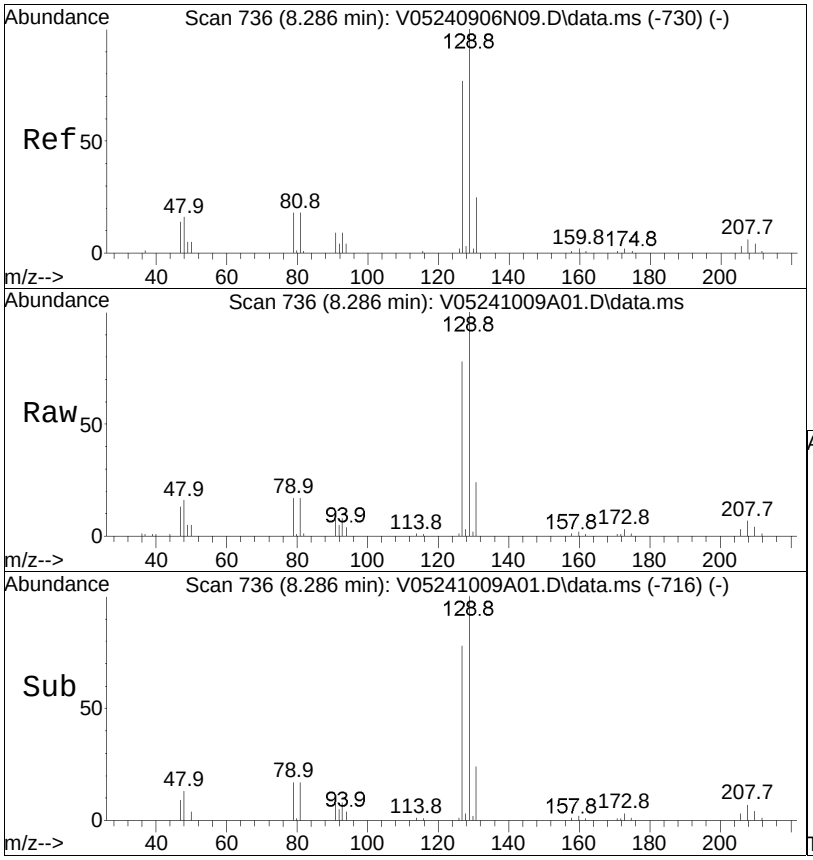


#68
1,1,2-Trichloroethane
Concen: 10.62 ug/L
RT: 8.081 min Scan# 715
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 64925

Ion	Ratio	Lower	Upper
83	100		
97	119.0	102.2	142.2
85	64.2	47.5	87.5

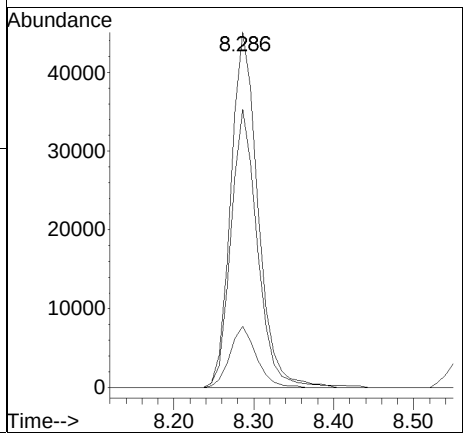


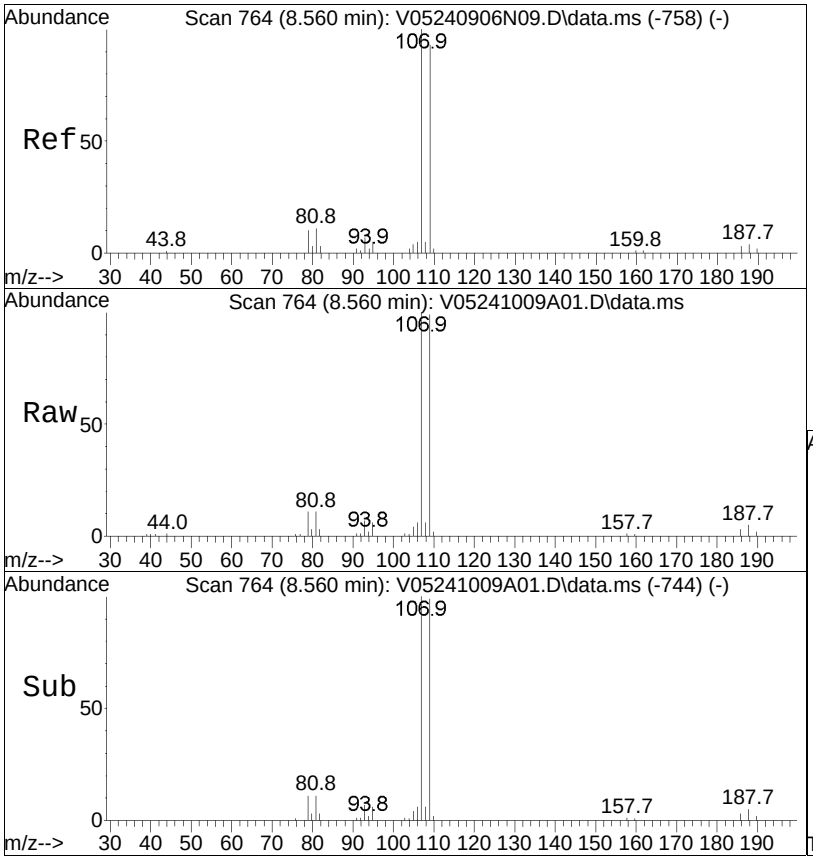


#69
Chlorodibromomethane
Concen: 10.24 ug/L
RT: 8.286 min Scan# 736
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:129 Resp: 106698

Ion	Ratio	Lower	Upper
129	100		
81	16.7	0.0	37.0
127	76.0	58.3	98.3

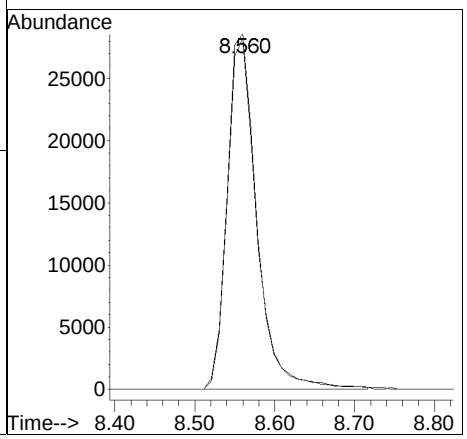


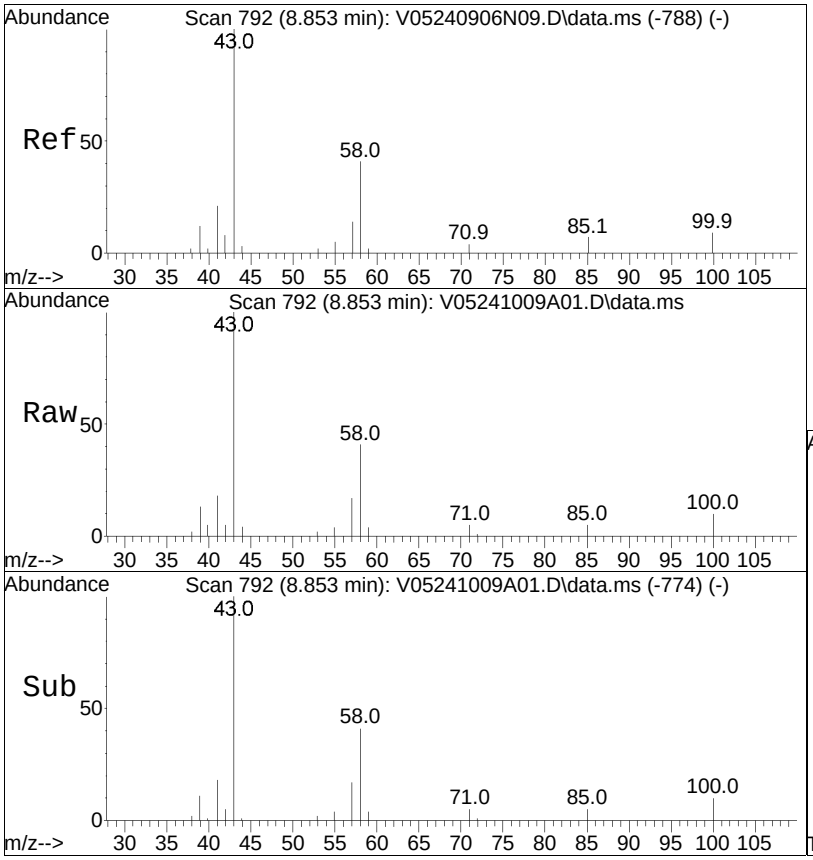


#71
1,2-Dibromoethane
Concen: 9.89 ug/L
RT: 8.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:107 Resp: 81357

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.0	112.6

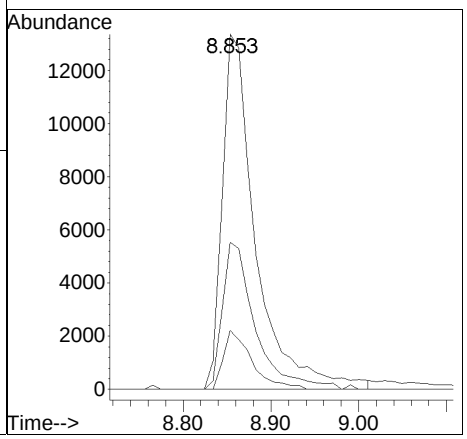


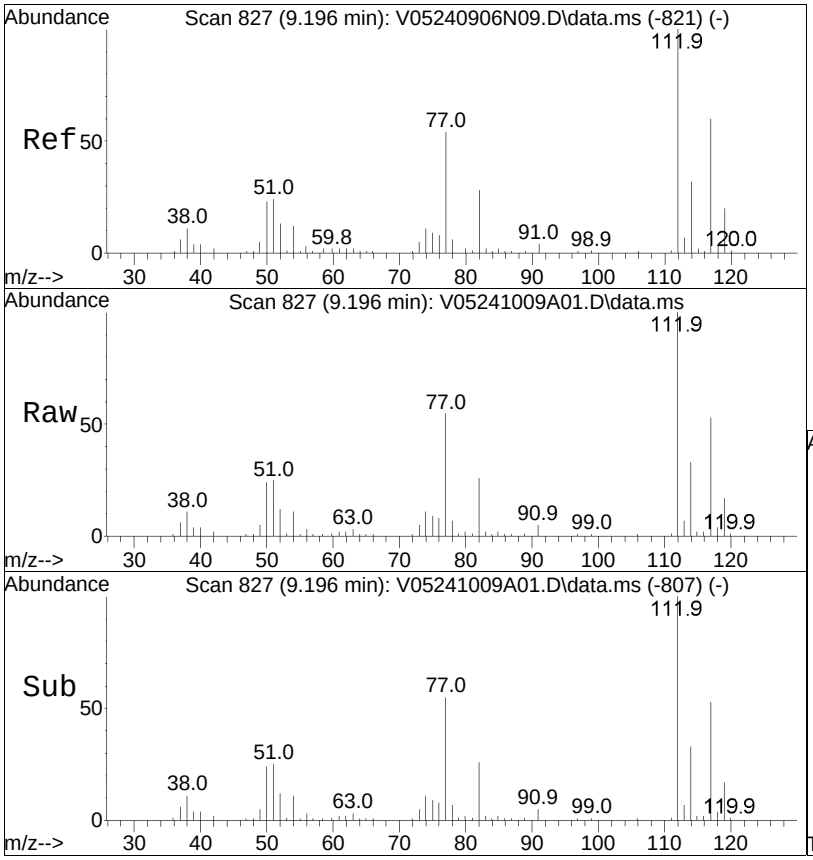


#72
2-Hexanone
Concen: 8.70 ug/L
RT: 8.853 min Scan# 792
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 43 Resp: 35477

Ion	Ratio	Lower	Upper
43	100		
58	40.7	42.3	63.5#
57	14.2	15.6	23.4#

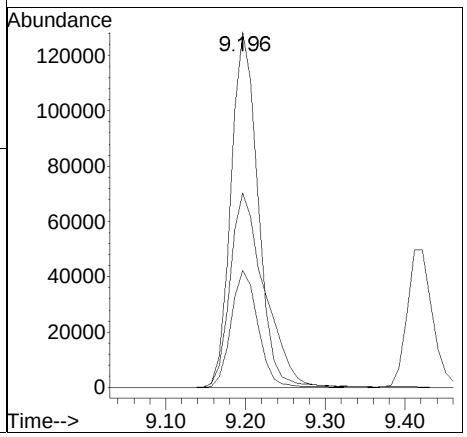


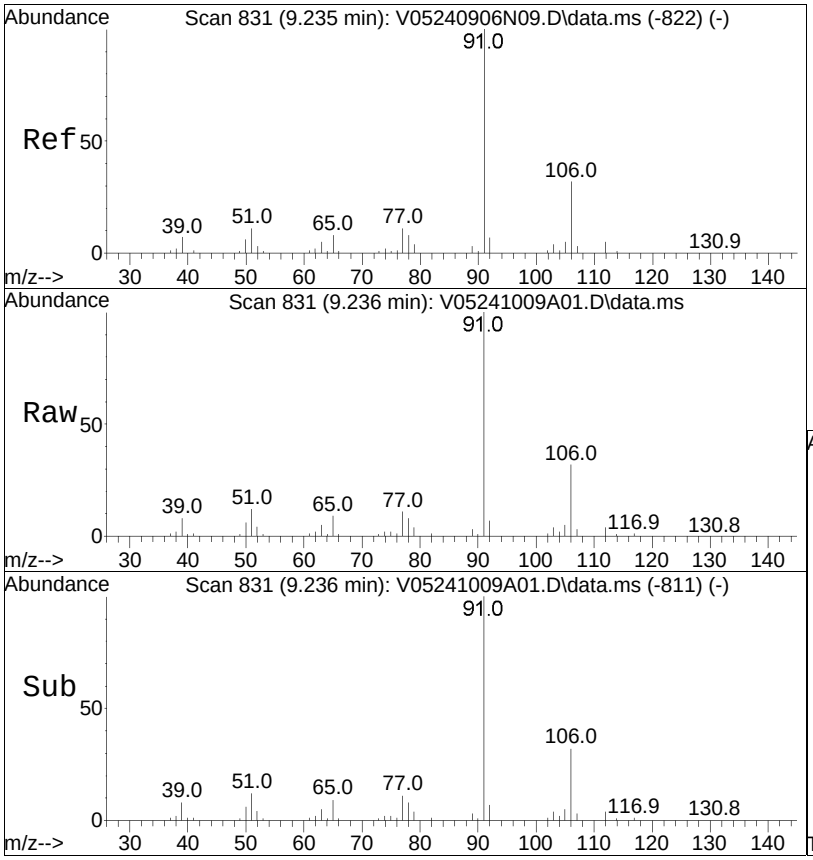


#73
Chlorobenzene
Concen: 10.37 ug/L
RT: 9.196 min Scan# 827
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:112 Resp: 302845

Ion	Ratio	Lower	Upper
112	100		
77	69.7	66.1	99.1
114	32.8	25.4	38.0

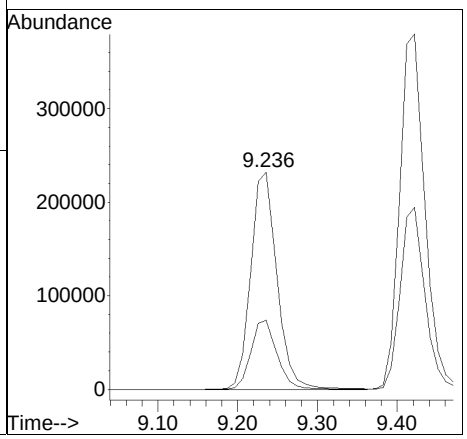


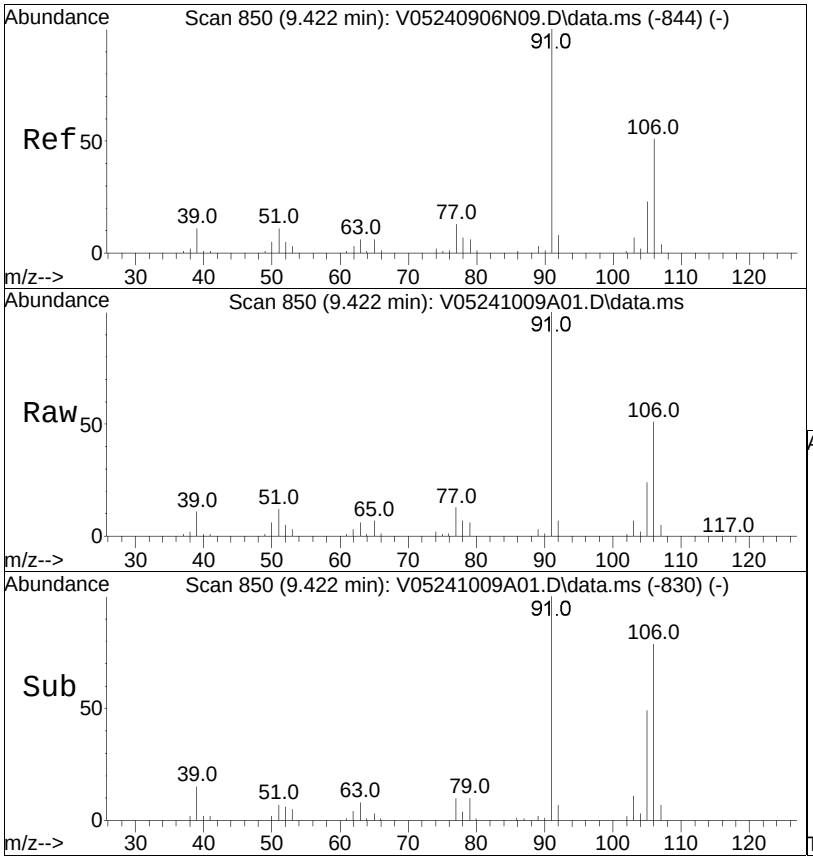


#74
Ethylbenzene
Concen: 10.76 ug/L
RT: 9.236 min Scan# 831
Delta R.T. 0.001 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 91 Resp: 530989

Ion	Ratio	Lower	Upper
91	100		
106	31.7	22.9	34.3

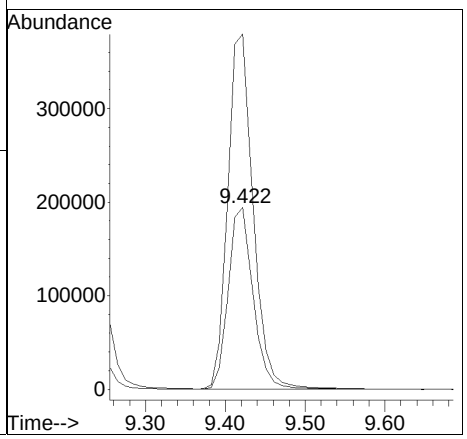


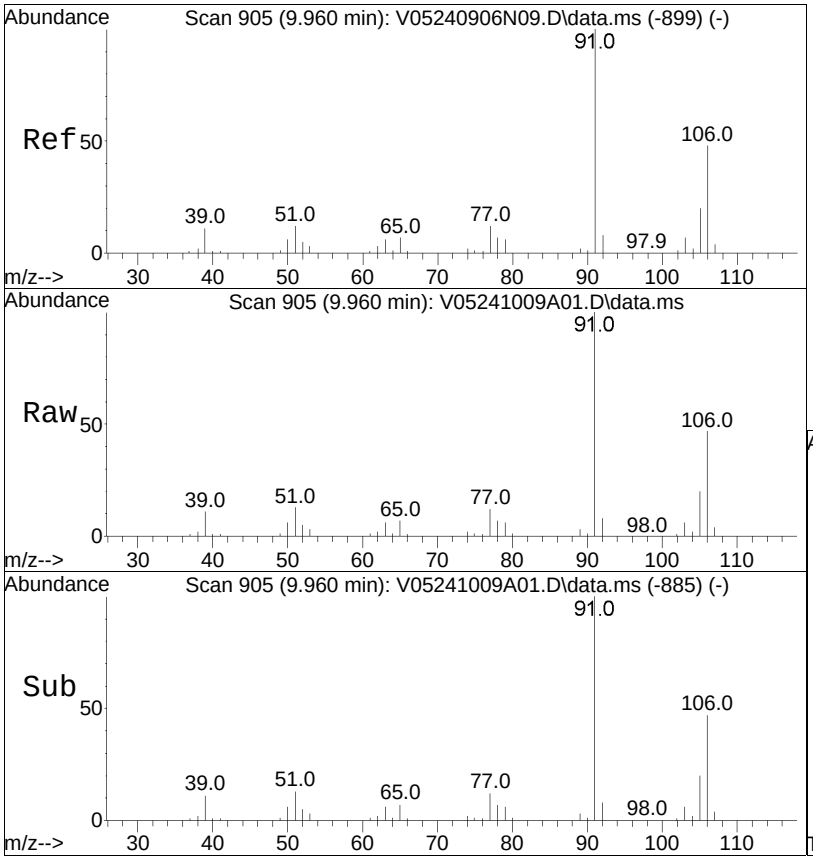


#76
p/m Xylene
Concen: 22.11 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:106 Resp: 421169

Ion	Ratio	Lower	Upper
106	100		
91	198.1	177.2	265.8

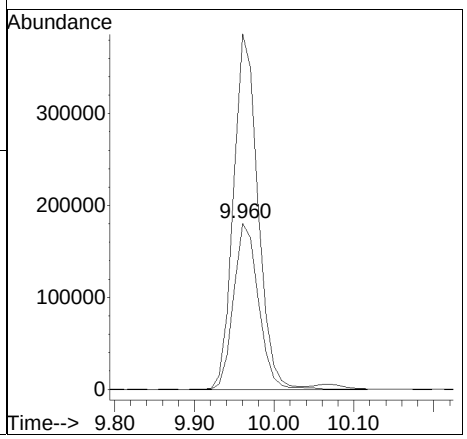


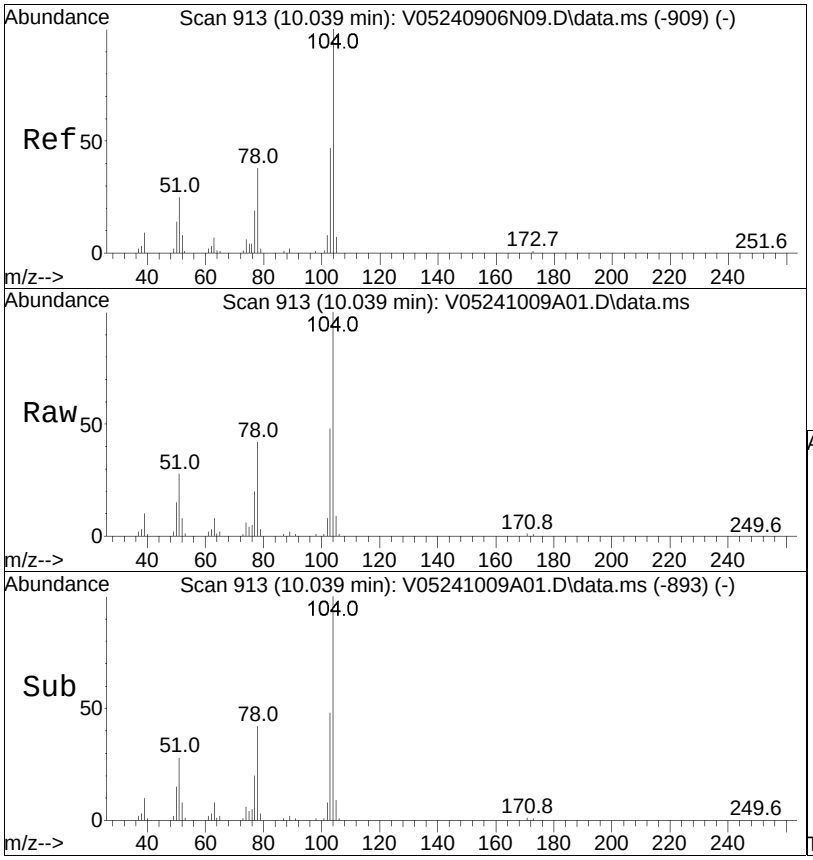


#77
o Xylene
Concen: 21.75 ug/L
RT: 9.960 min Scan# 905
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:106 Resp: 392602

Ion	Ratio	Lower	Upper
106	100		
91	209.6	187.0	280.6

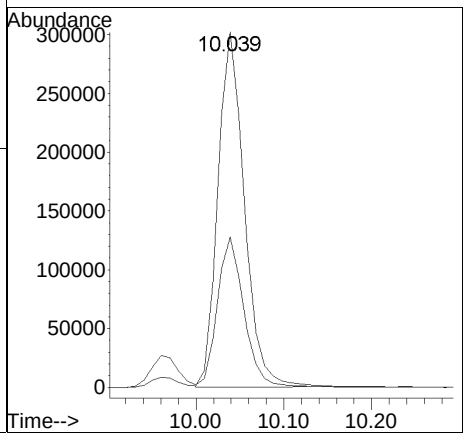


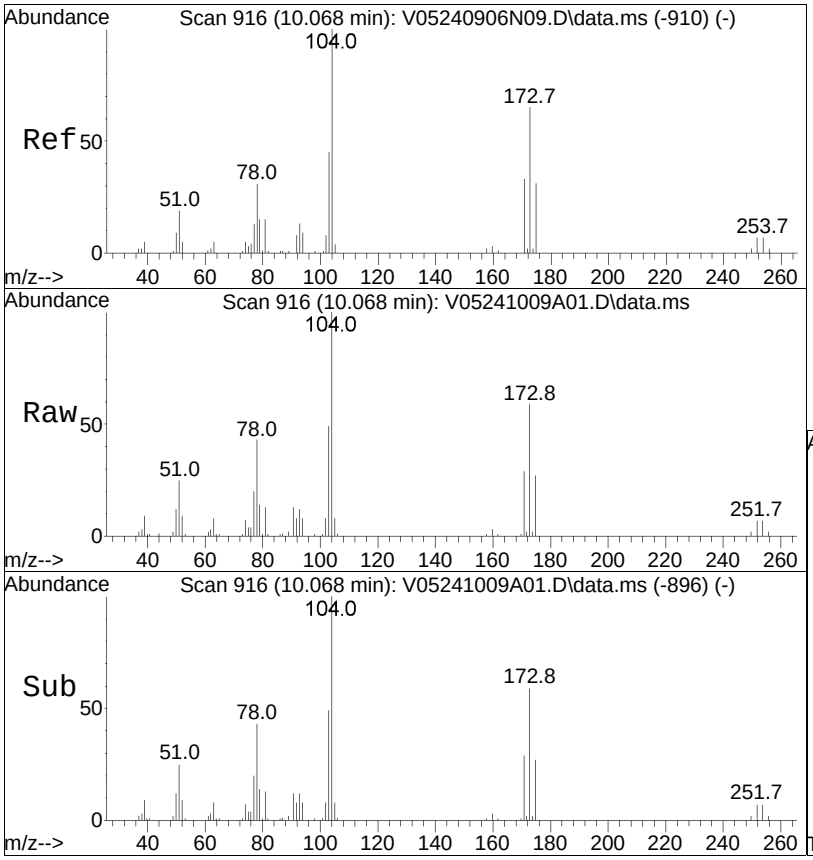


#78
Styrene
Concen: 21.18 ug/L
RT: 10.039 min Scan# 913
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:104 Resp: 632611

Ion	Ratio	Lower	Upper
104	100		
78	42.4	39.6	59.4

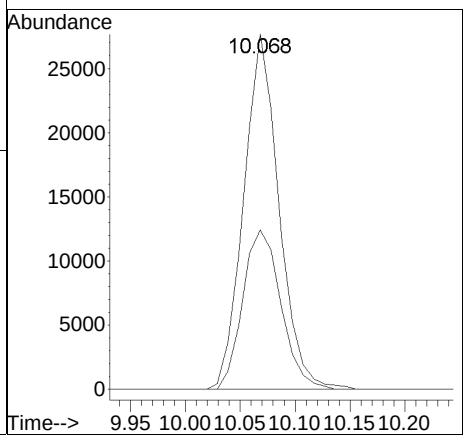


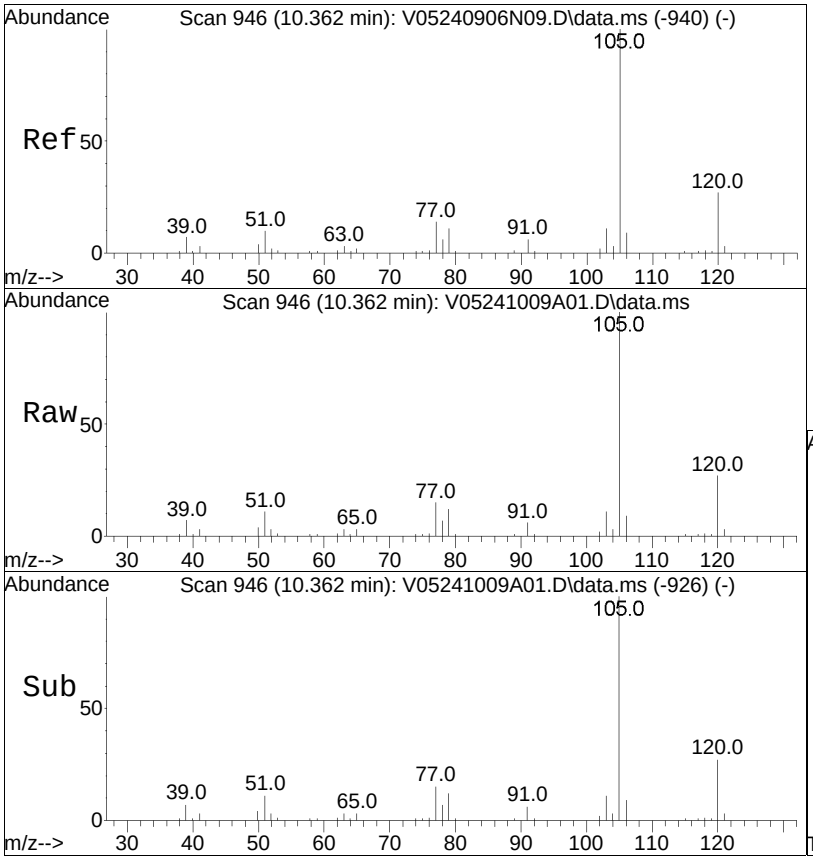


#80
Bromoform
Concen: 9.22 ug/L
RT: 10.068 min Scan# 916
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:173 Resp: 61895

Ion	Ratio	Lower	Upper
173	100		
175	48.6	26.6	66.6

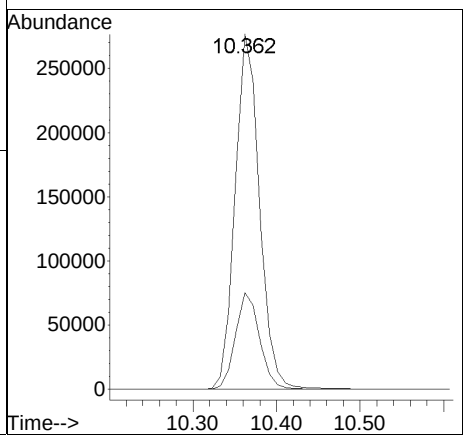


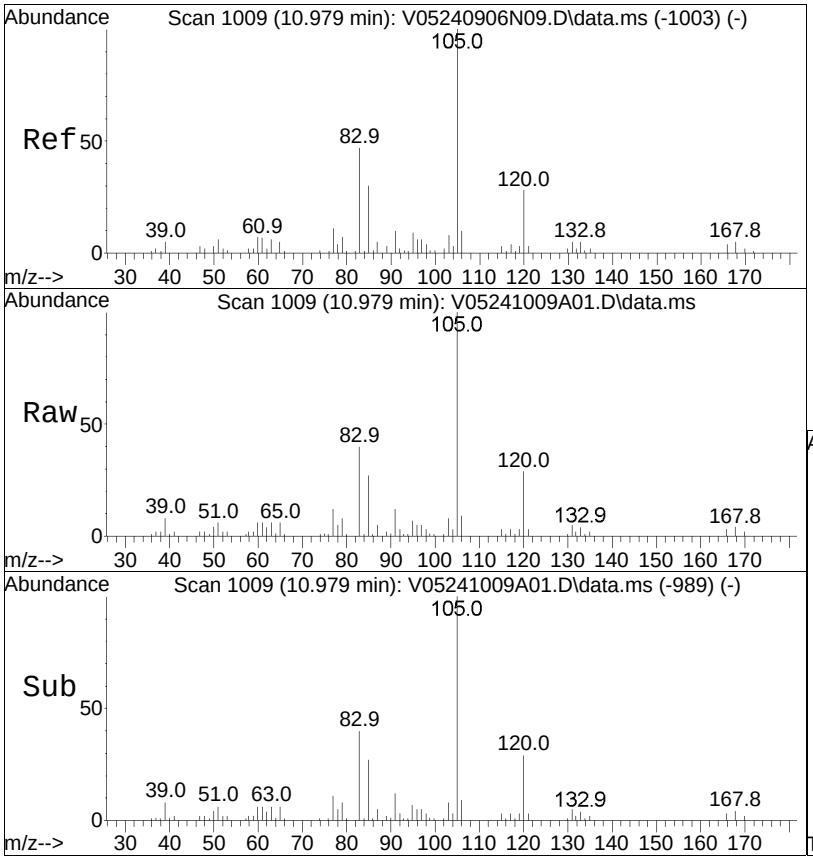


#82
Isopropylbenzene
Concen: 10.73 ug/L
RT: 10.362 min Scan# 946
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:105 Resp: 562622

Ion	Ratio	Lower	Upper
105	100		
120	27.0	4.8	44.8

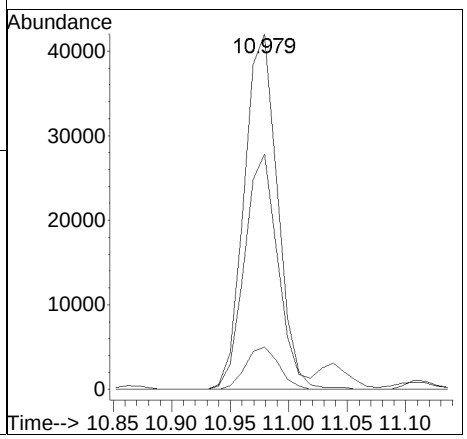


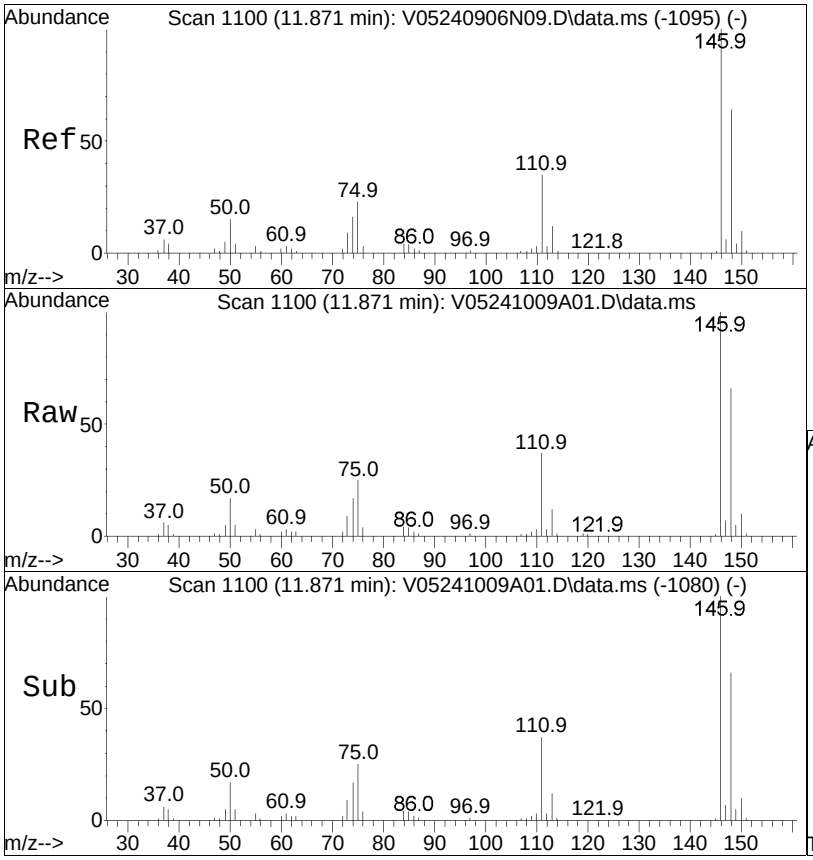


#87
1,1,2,2-Tetrachloroethane
Concen: 9.16 ug/L
RT: 10.979 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion: 83 Resp: 83408

Ion	Ratio	Lower	Upper
83	100		
131	12.0	0.0	30.4
85	66.8	46.4	86.4

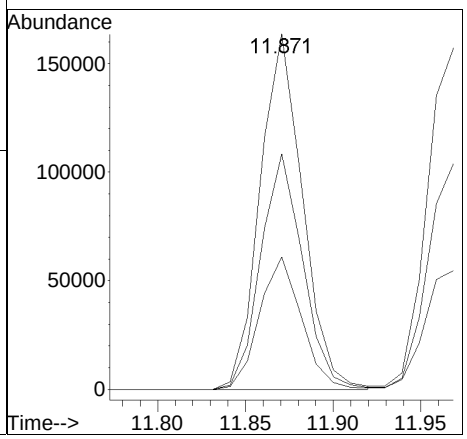


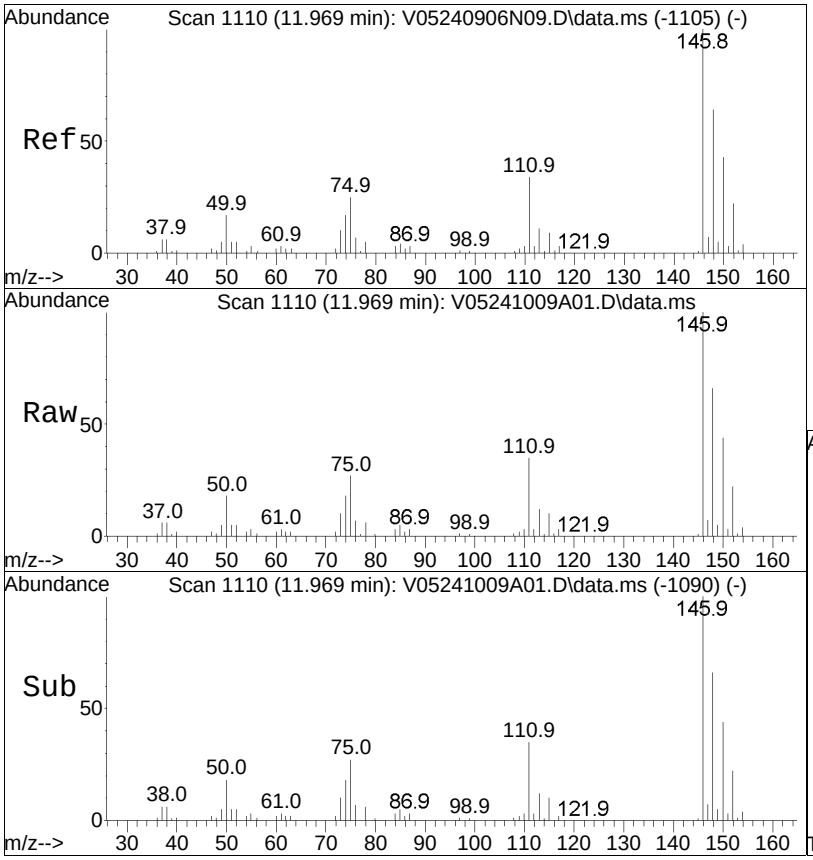


#100
1,3-Dichlorobenzene
Concen: 10.14 ug/L
RT: 11.871 min Scan# 1100
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:146 Resp: 276066

Ion	Ratio	Lower	Upper
146	100		
111	36.9	28.0	58.1
148	65.8	41.6	86.4

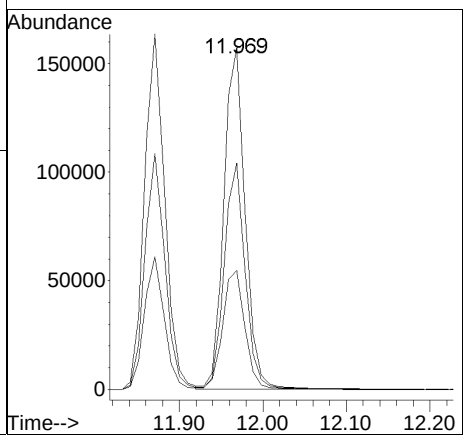


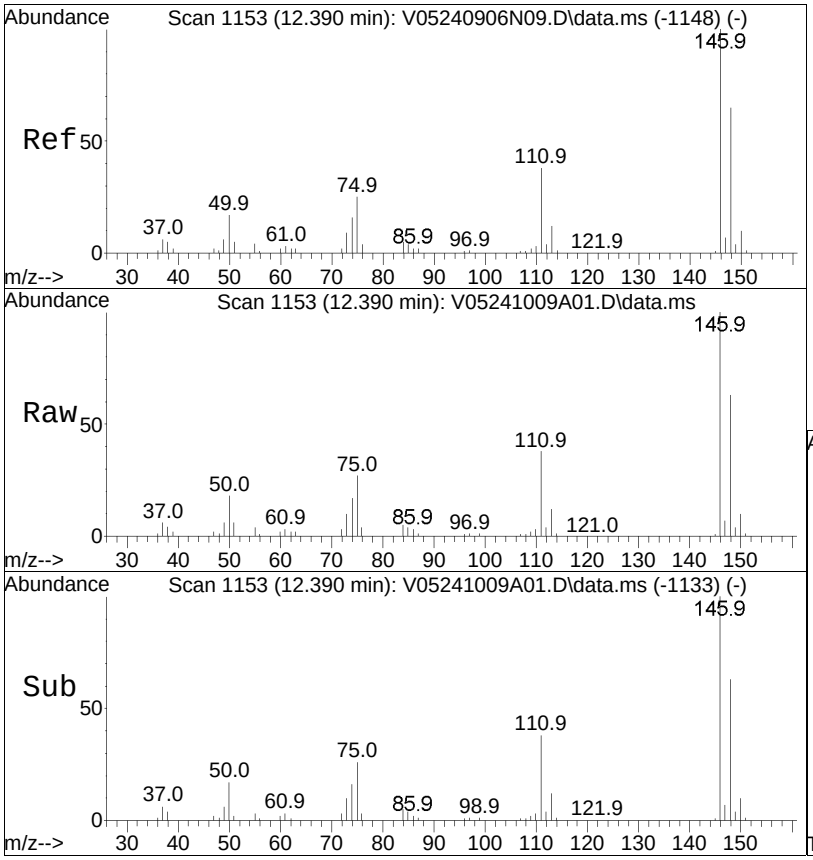


#101
1,4-Dichlorobenzene
Concen: 9.94 ug/L
RT: 11.969 min Scan# 1110
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:146 Resp: 278028

Ion	Ratio	Lower	Upper
146	100		
111	36.8	33.8	50.6
148	65.6	51.0	76.6

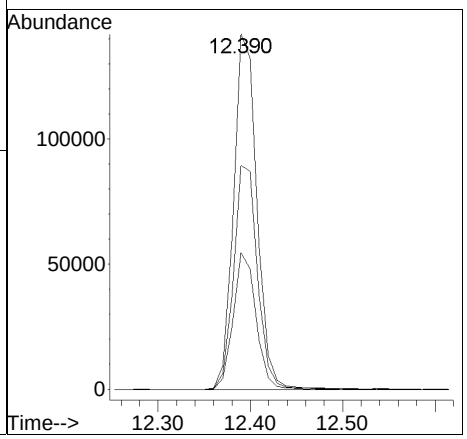


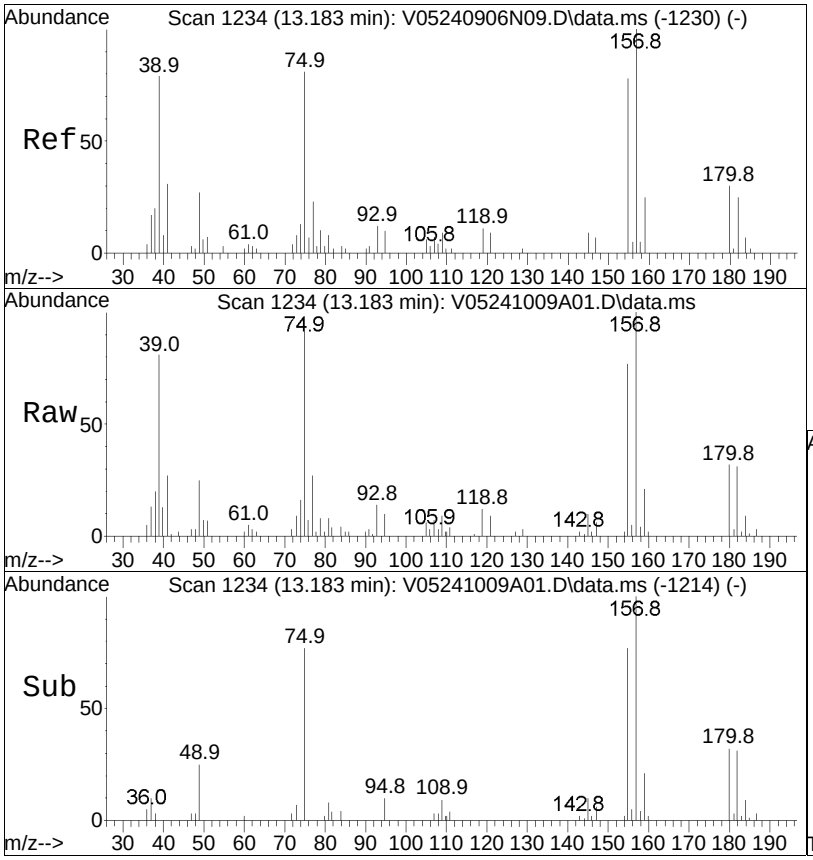


#104
1,2-Dichlorobenzene
Concen: 10.14 ug/L
RT: 12.390 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:146 Resp: 249391

Ion	Ratio	Lower	Upper
146	100		
111	37.7	29.1	60.5
148	64.6	41.7	86.7

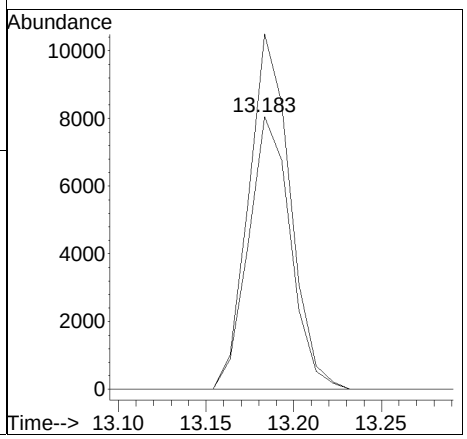


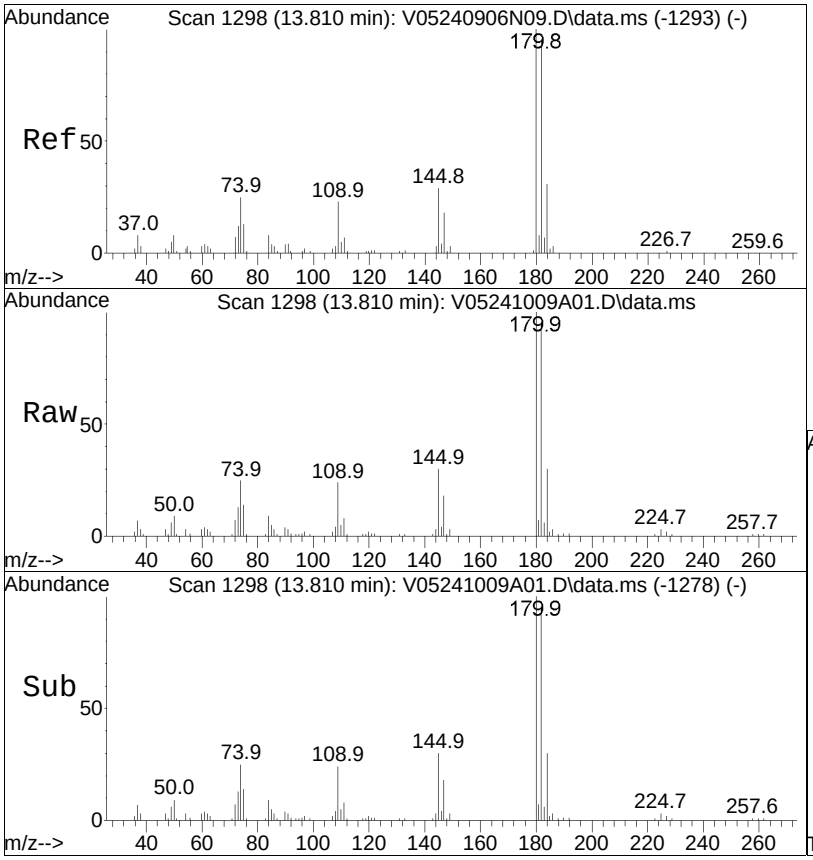


#106
1,2-Dibromo-3-chloropropane
Concen: 8.54 ug/L
RT: 13.183 min Scan# 1234
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:155 Resp: 13462

Ion	Ratio	Lower	Upper
155	100		
157	128.0	105.0	157.6

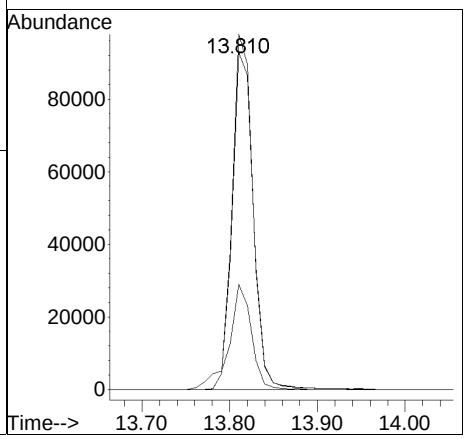


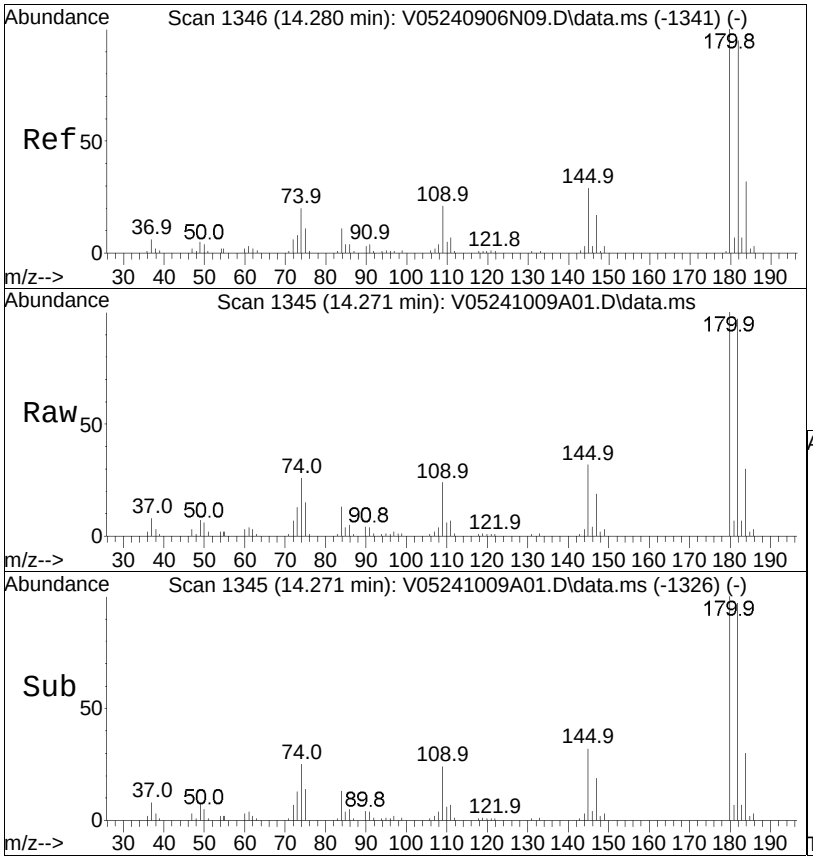


#109
1,2,4-Trichlorobenzene
Concen: 9.85 ug/L
RT: 13.810 min Scan# 1298
Delta R.T. 0.000 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:180 Resp: 161705

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.2	112.8
145	31.7	27.4	41.2

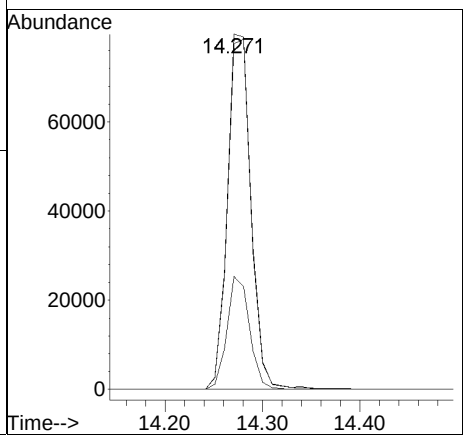




#111
1,2,3-Trichlorobenzene
Concen: 9.67 ug/L
RT: 14.271 min Scan# 1345
Delta R.T. -0.009 min
Lab File: V05241009A01.D
Acq: 9 Oct 2024 6:38 am

Tgt Ion:180 Resp: 134943

Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.5	113.3
145	30.3	26.5	39.7



Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A02.D
Acq On : 9 Oct 2024 7:04 am
Operator : VOA105:PID
Sample : WG1982134-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:36:57 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.684	96	450561	10.000 ug/L	0.00
Standard Area 1 = 452753			Recovery = 99.52%		
59) Chlorobenzene-d5	9.177	117	353180	10.000 ug/L	0.00
Standard Area 1 = 351916			Recovery = 100.36%		
79) 1,4-Dichlorobenzene-d4	11.949	152	226106	10.000 ug/L	0.00
Standard Area 1 = 226621			Recovery = 99.77%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.902	113	126277	10.029 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%		
43) 1,2-Dichloroethane-d4	5.410	65	144804	11.123 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.23%		
60) Toluene-d8	7.347	98	440544	10.328 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.28%		
83) 4-Bromofluorobenzene	10.705	95	164004	10.454 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.54%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.508	85	145997	11.070 ug/L	97
3) Chloromethane	1.674	50	106624	8.375 ug/L	97
4) Vinyl chloride	1.743	62	118053	10.657 ug/L	92
5) Bromomethane	2.026	94	20752	3.848 ug/L	99
6) Chloroethane	2.124	64	65228	8.432 ug/L	93
7) Trichlorofluoromethane	2.251	101	178843	10.728 ug/L	99
10) 1,1-Dichloroethene	2.711	96	82668	9.966 ug/L	88
11) Carbon disulfide	2.740	76	274772	10.761 ug/L	99
12) Freon-113	2.740	101	94787	10.392 ug/L #	76
15) Methylene chloride	3.249	84	107080	10.874 ug/L #	71
17) Acetone	3.317	43	17979	8.442 ug/L	96
18) trans-1,2-Dichloroethene	3.395	96	109837	11.202 ug/L	99
19) Methyl acetate	3.415	43	45508	9.743 ug/L #	78
20) Methyl tert-butyl ether	3.483	73	199809	9.255 ug/L #	83
23) 1,1-Dichloroethane	3.963	63	203528	11.396 ug/L	98
28) cis-1,2-Dichloroethene	4.462	96	121309	10.922 ug/L	98
30) Bromochloromethane	4.657	128	58220	10.861 ug/L #	85
31) Cyclohexane	4.638	56	210892	12.240 ug/L	76
32) Chloroform	4.726	83	195875	10.491 ug/L #	96
34) Carbon tetrachloride	4.843	117	179620	11.206 ug/L	98

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A02.D
Acq On : 9 Oct 2024 7:04 am
Operator : VOA105:PID
Sample : WG1982134-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:36:57 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.902	97	193885	11.139	ug/L		97
39) 2-Butanone	5.029	43	30918	9.550	ug/L	#	63
41) Benzene	5.264	78	422391	11.128	ug/L		94
44) 1,2-Dichloroethane	5.479	62	138072	11.017	ug/L		98
47) Methyl cyclohexane	5.831	83	188062	10.803	ug/L	#	77
48) Trichloroethene	5.850	95	114039	10.094	ug/L		90
51) 1,2-Dichloropropane	6.388	63	106034	11.186	ug/L	#	90
54) Bromodichloromethane	6.476	83	144548	10.412	ug/L		98
57) 1,4-Dioxane	6.682	88	27612	466.650	ug/L	#	78
58) cis-1,3-Dichloropropene	7.151	75	157108	10.758	ug/L	#	83
61) Toluene	7.406	92	262840	10.601	ug/L		97
62) 4-Methyl-2-pentanone	7.846	58	19347	9.427	ug/L	#	65
63) Tetrachloroethene	7.846	166	146169	11.172	ug/L		90
65) trans-1,3-Dichloropropene	7.904	75	134205	11.126	ug/L	#	81
68) 1,1,2-Trichloroethane	8.080	83	63805	10.401	ug/L		98
69) Chlorodibromomethane	8.286	129	107478	10.275	ug/L		98
71) 1,2-Dibromoethane	8.560	107	84223	10.198	ug/L		98
72) 2-Hexanone	8.863	43	36703	8.969	ug/L	#	86
73) Chlorobenzene	9.196	112	301219	10.277	ug/L		90
74) Ethylbenzene	9.235	91	526456	10.633	ug/L		94
76) p/m Xylene	9.422	106	420690	22.003	ug/L		85
77) o Xylene	9.960	106	393856	21.744	ug/L		85
78) Styrene	10.039	104	632304	21.097	ug/L		89
80) Bromoform	10.068	173	63463	9.474	ug/L		97
82) Isopropylbenzene	10.362	105	560278	10.714	ug/L		95
87) 1,1,2,2-Tetrachloroethane	10.979	83	85475	9.412	ug/L		99
100) 1,3-Dichlorobenzene	11.871	146	282259	10.391	ug/L		95
101) 1,4-Dichlorobenzene	11.969	146	281699	10.090	ug/L		96
104) 1,2-Dichlorobenzene	12.390	146	249965	10.188	ug/L		95
106) 1,2-Dibromo-3-chloropr...	13.183	155	14154	8.980	ug/L		100
109) 1,2,4-Trichlorobenzene	13.810	180	165258	10.093	ug/L		97
111) 1,2,3-Trichlorobenzene	14.280	180	140994	10.128	ug/L		97

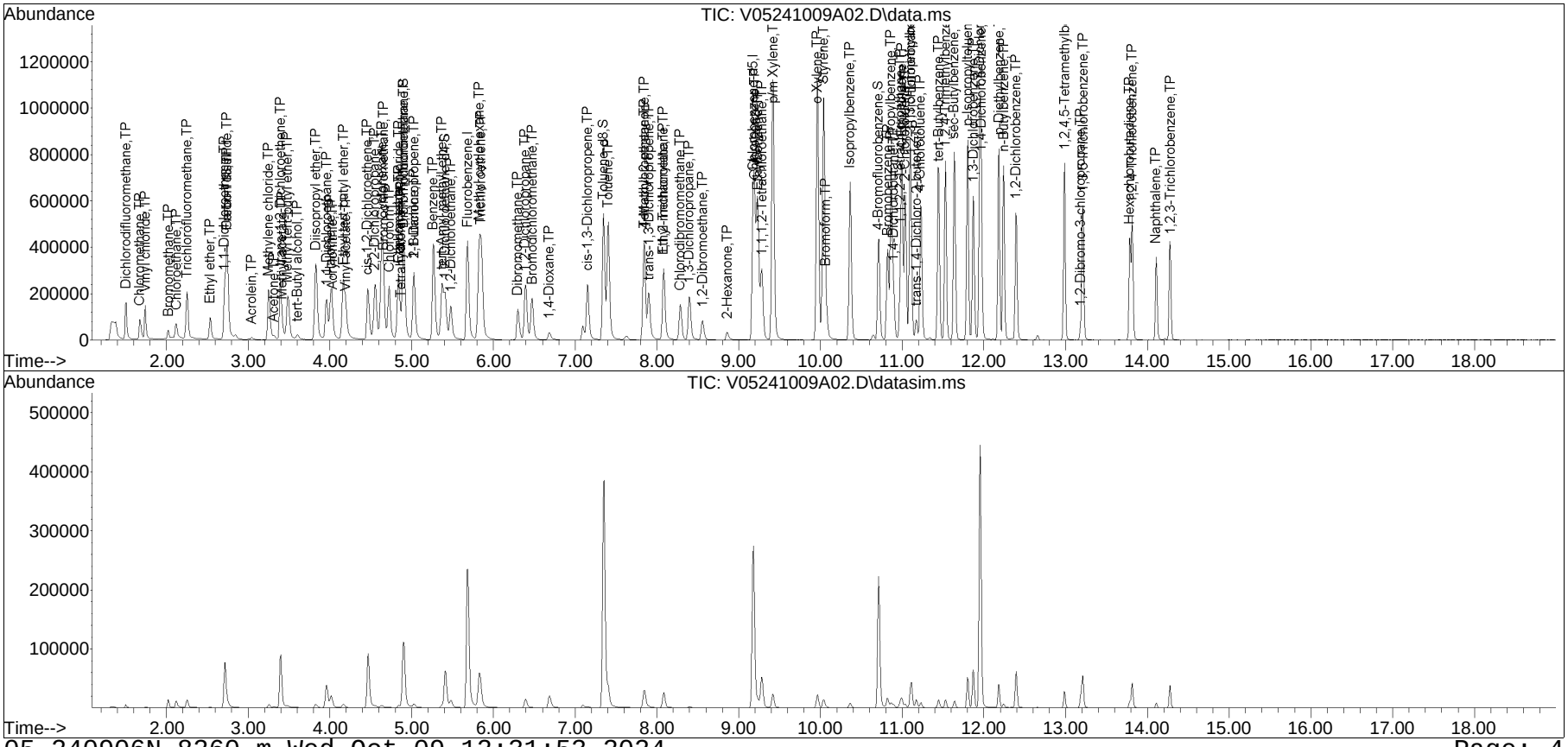
(#) = qualifier out of range (m) = manual integration (+) = signals summed

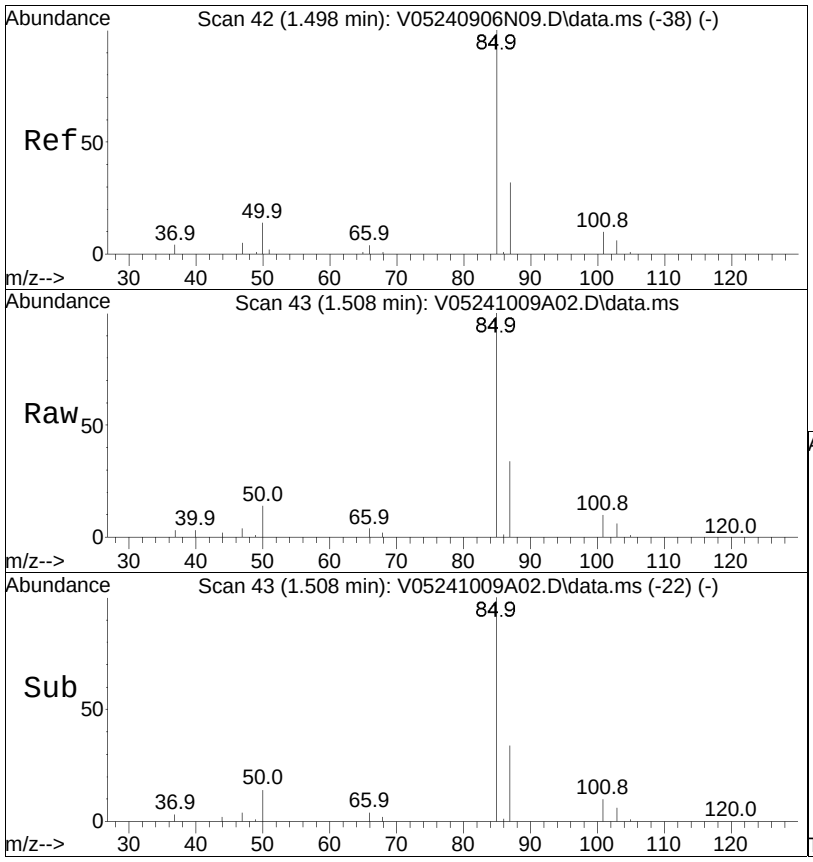
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2024\241009A\
Data File : V05241009A02.D
Acq On : 9 Oct 2024 7:04 am
Operator : VOA105:PID
Sample : WG1982134-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1982134,ICAL21466 (Sig #1); WG,ICAL21466 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:36:57 2024
Quant Method : K:\VOA105\2024\241009A\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

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

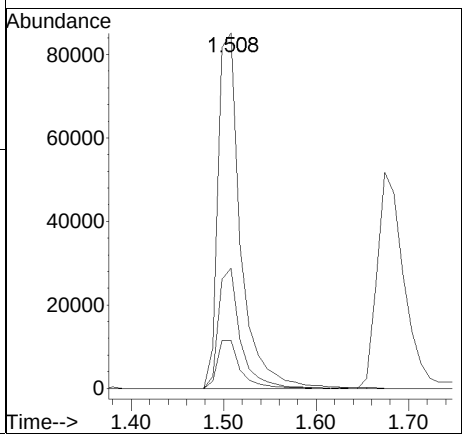


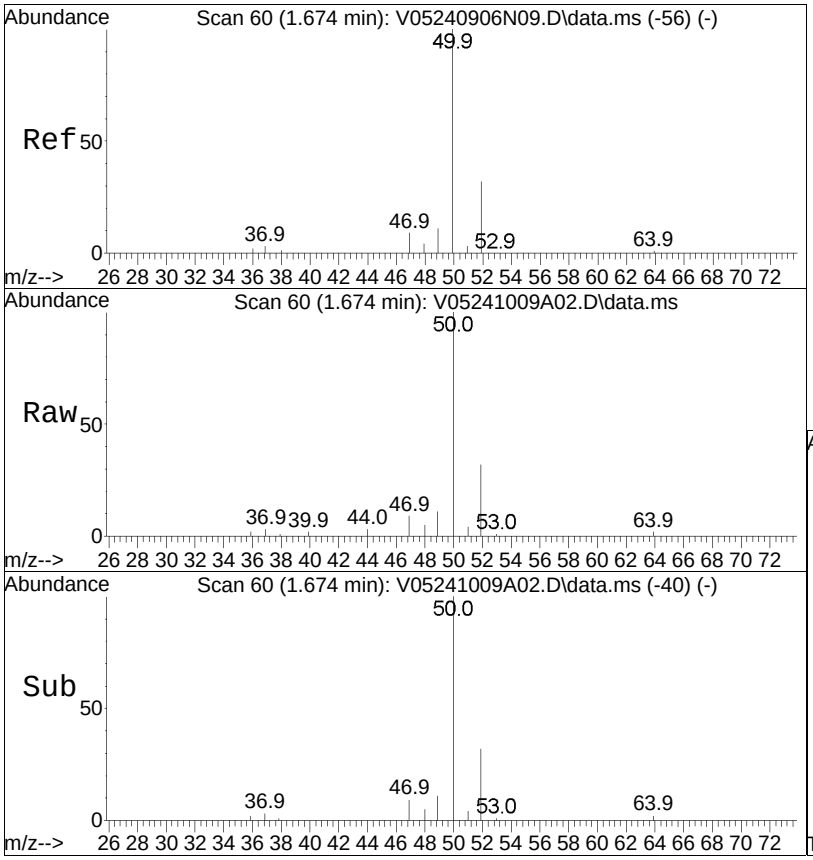


#2
Dichlorodifluoromethane
Concen: 11.07 ug/L
RT: 1.508 min Scan# 43
Delta R.T. 0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 85 Resp: 145997

Ion	Ratio	Lower	Upper
85	100		
87	32.6	20.9	43.5
50	13.7	6.8	14.0

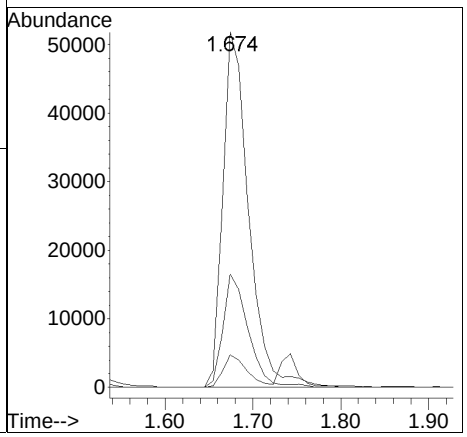


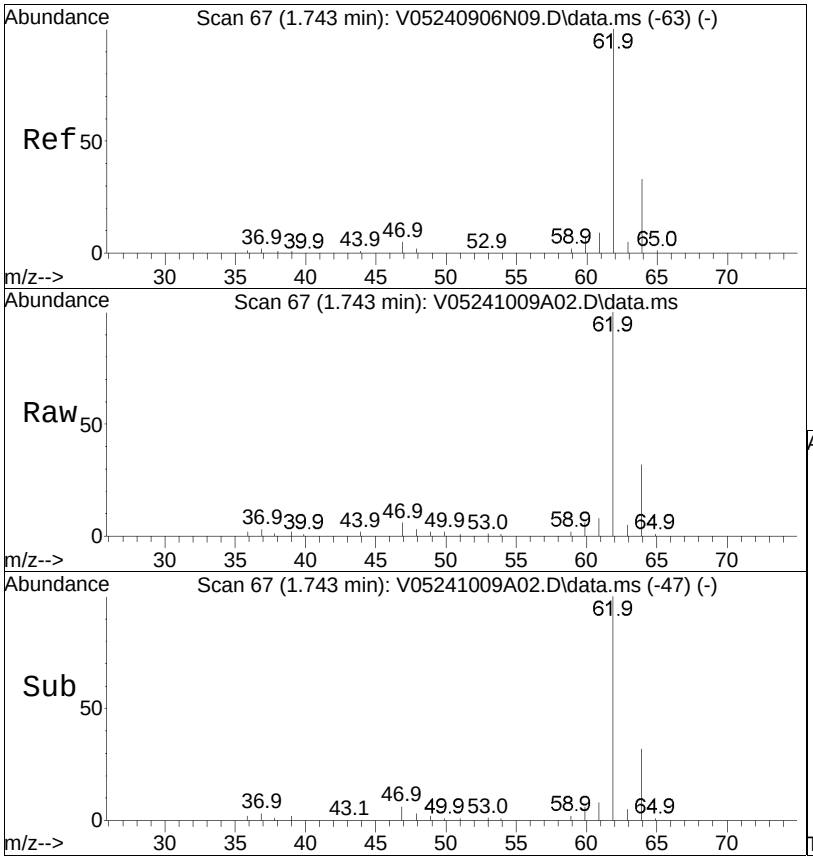


#3
Chloromethane
Concen: 8.37 ug/L
RT: 1.674 min Scan# 60
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 50 Resp: 106624

Ion	Ratio	Lower	Upper
50	100		
52	30.9	12.6	52.6
47	8.6	0.0	30.1

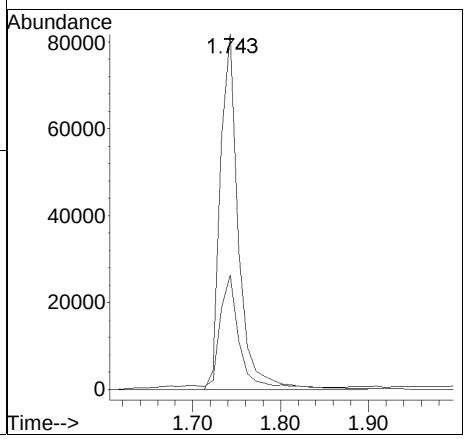


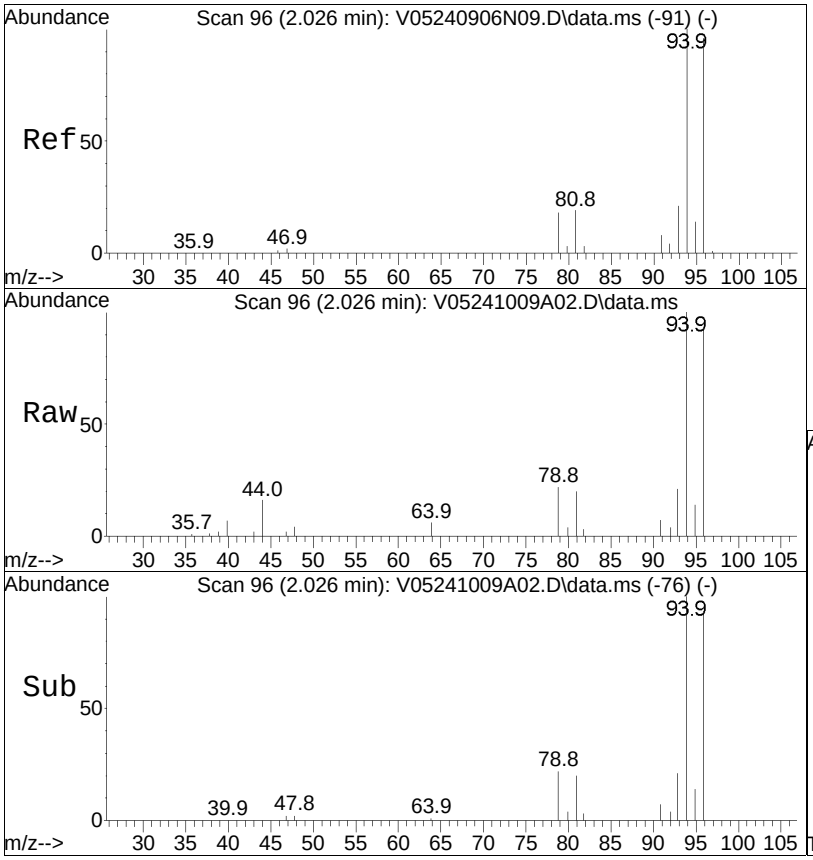


#4
Vinyl chloride
Concen: 10.66 ug/L
RT: 1.743 min Scan# 67
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 62 Resp: 118053

Ion	Ratio	Lower	Upper
62	100		
64	37.9	13.5	53.5

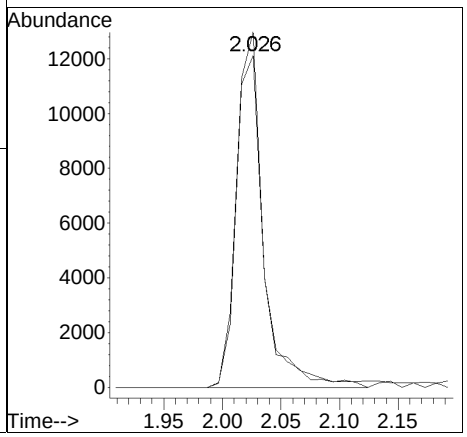


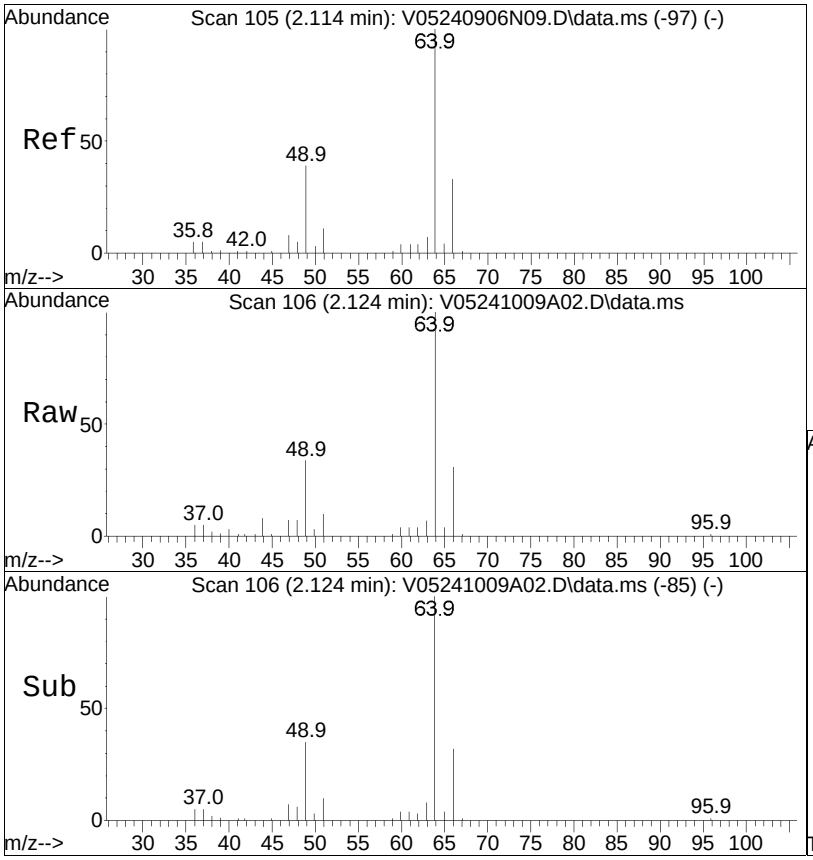


#5
Bromomethane
Concen: 3.85 ug/L
RT: 2.026 min Scan# 96
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 94 Resp: 20752

Ion	Ratio	Lower	Upper
94	100		
96	96.3	75.4	115.4

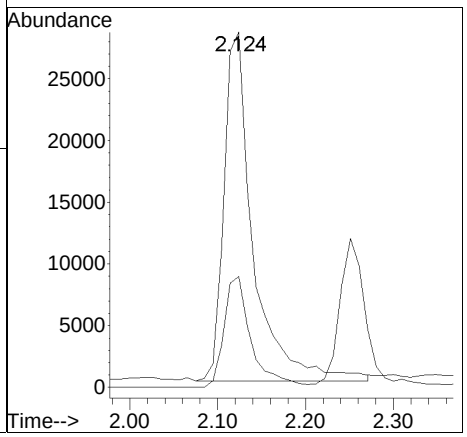


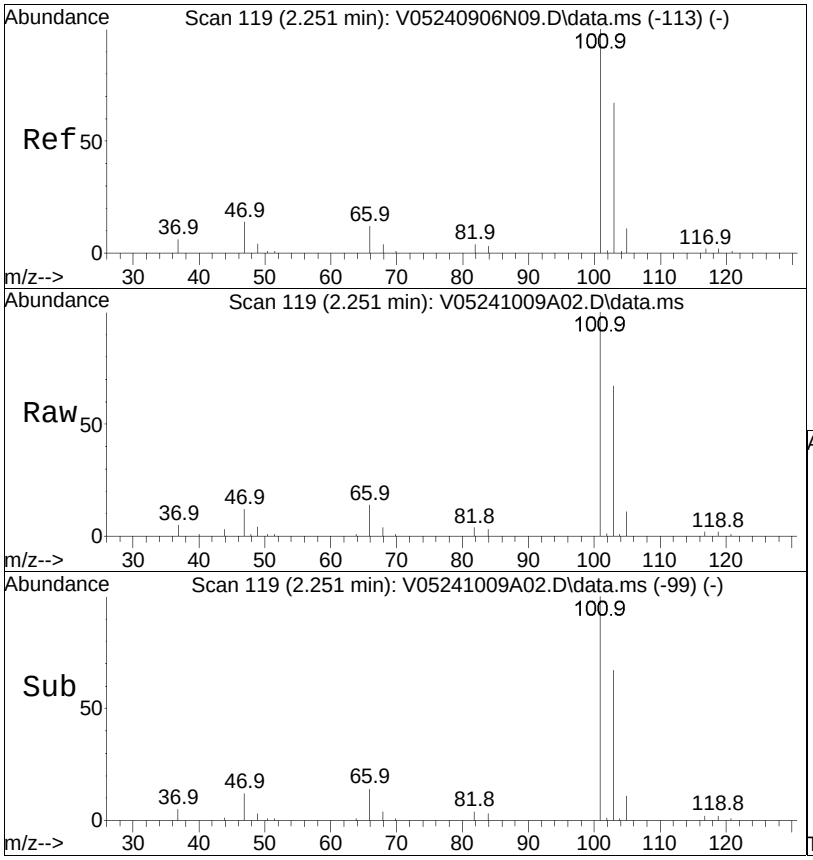


#6
Chloroethane
Concen: 8.43 ug/L
RT: 2.124 min Scan# 106
Delta R.T. 0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 64 Resp: 65228

Ion	Ratio	Lower	Upper
64	100		
66	29.6	13.8	53.8

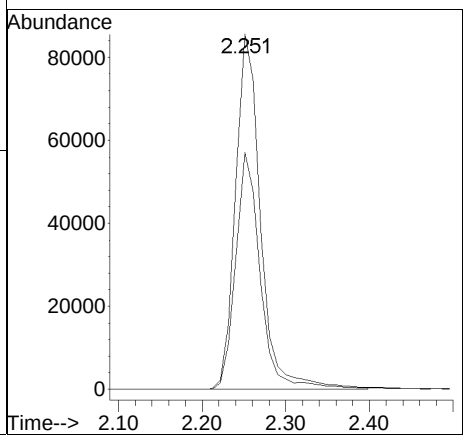


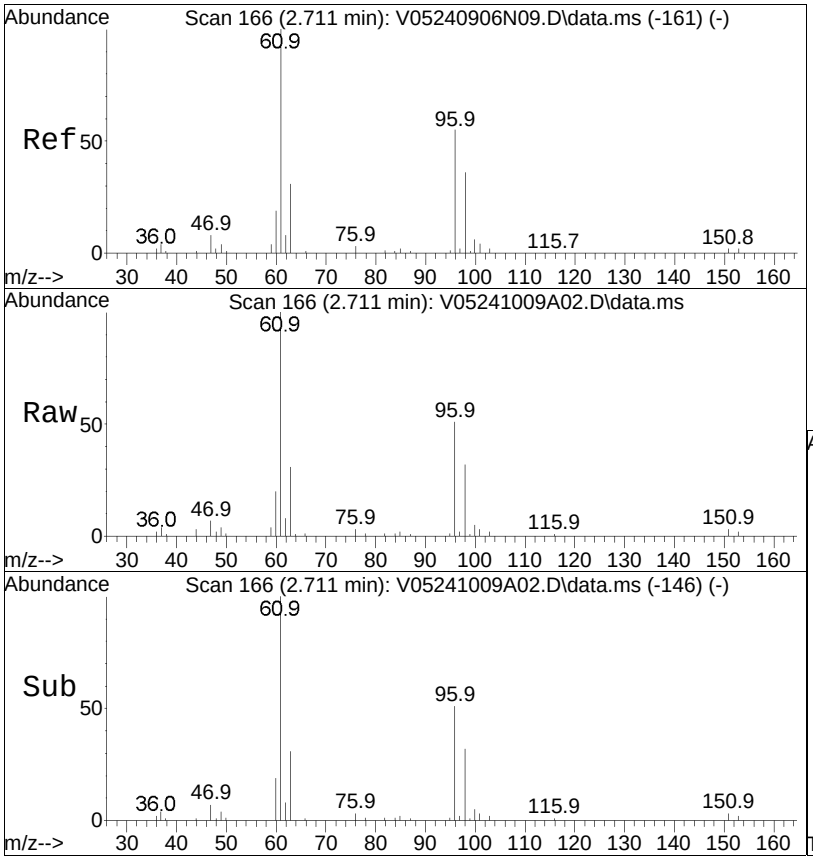


#7
Trichlorofluoromethane
Concen: 10.73 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:101 Resp: 178843

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.8	77.6

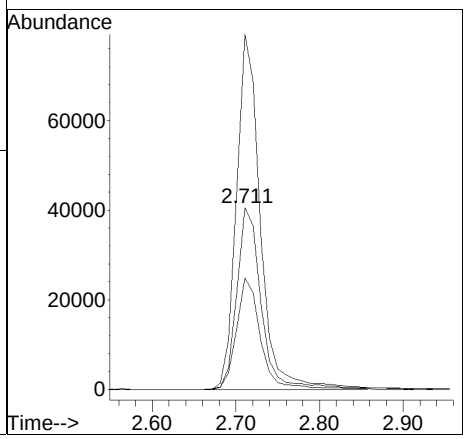


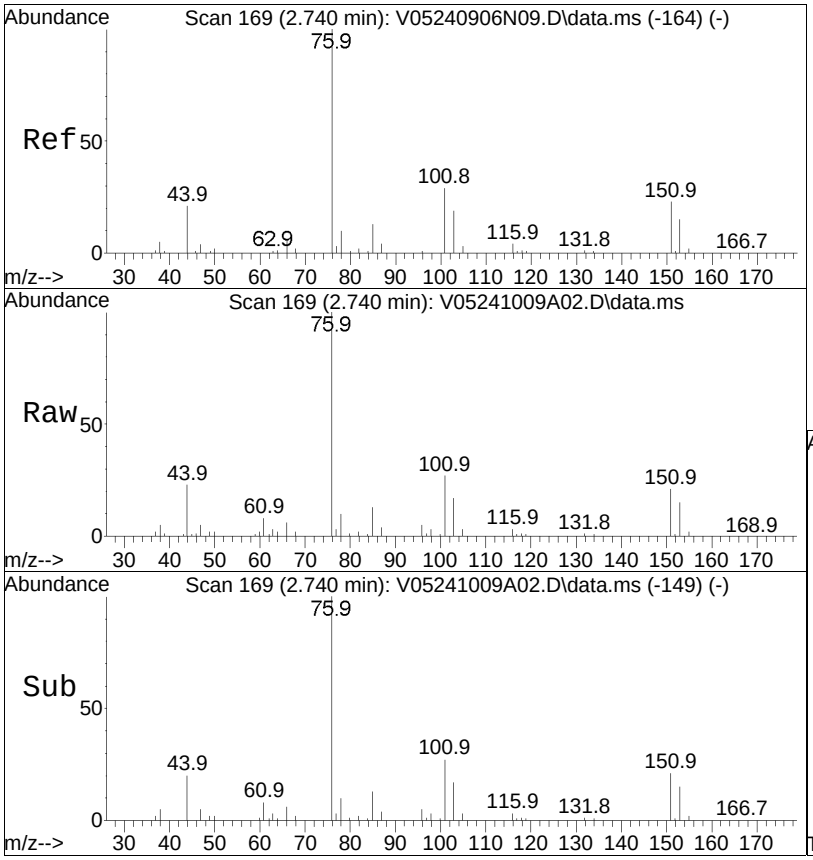


#10
1,1-Dichloroethene
Concen: 9.97 ug/L
RT: 2.711 min Scan# 166
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 96 Resp: 82668

Ion	Ratio	Lower	Upper
96	100		
61	190.7	136.7	205.1
63	60.6	45.0	67.6

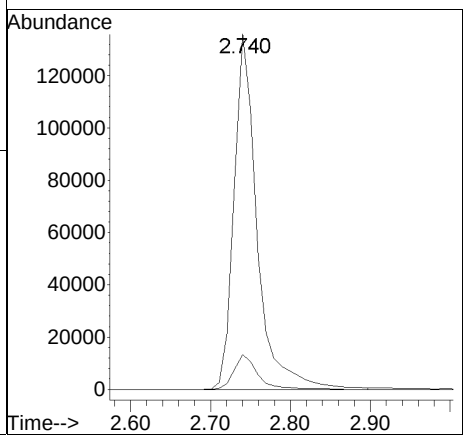


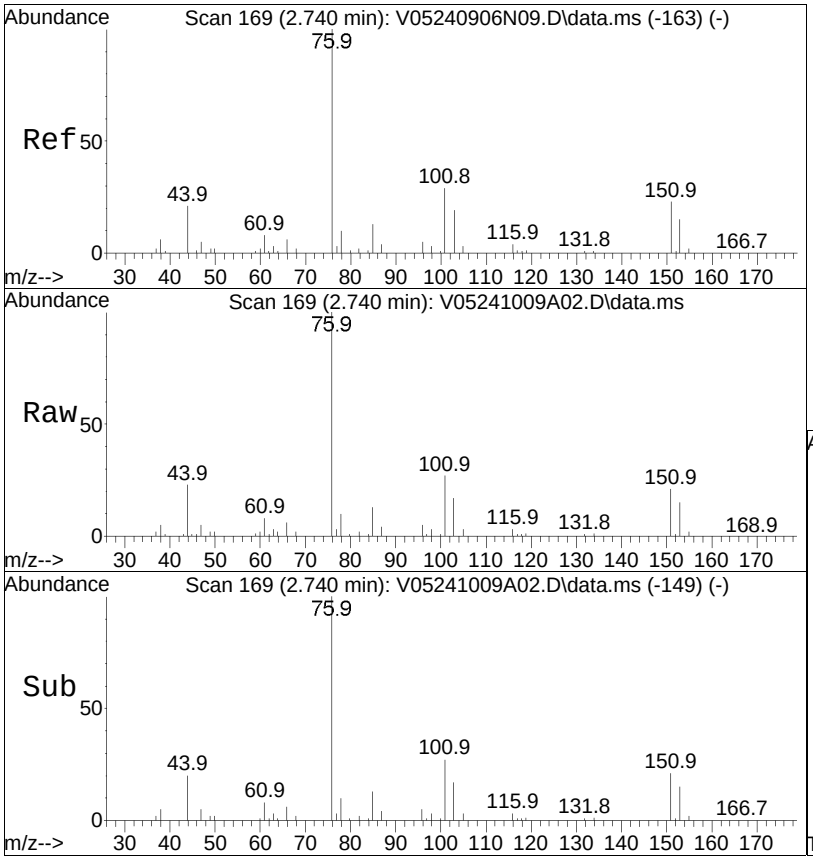


#11
Carbon disulfide
Concen: 10.76 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 76 Resp: 274772

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.7	13.9

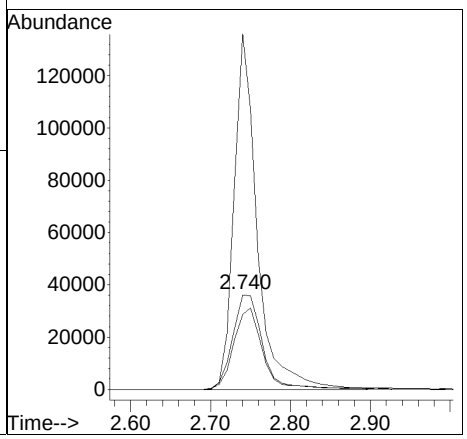


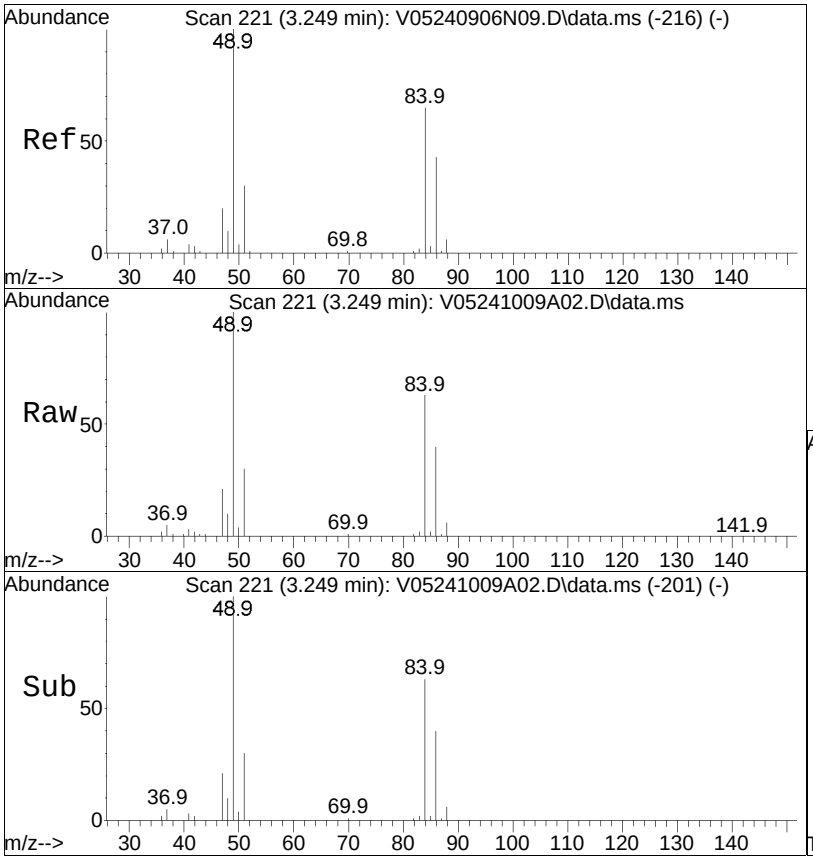


#12
Freon-113
Concen: 10.39 ug/L
RT: 2.740 min Scan# 169
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:101 Resp: 94787

Ion	Ratio	Lower	Upper
101	100		
151	82.9	65.0	97.6
76	289.9	190.0	285.0#

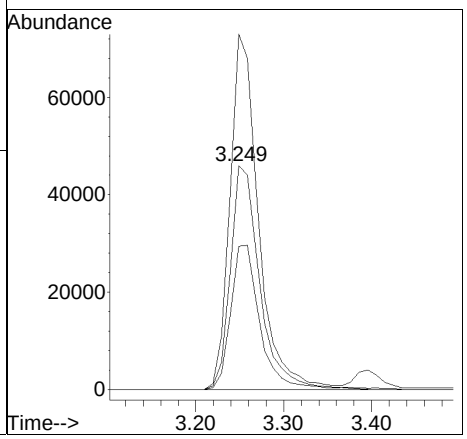


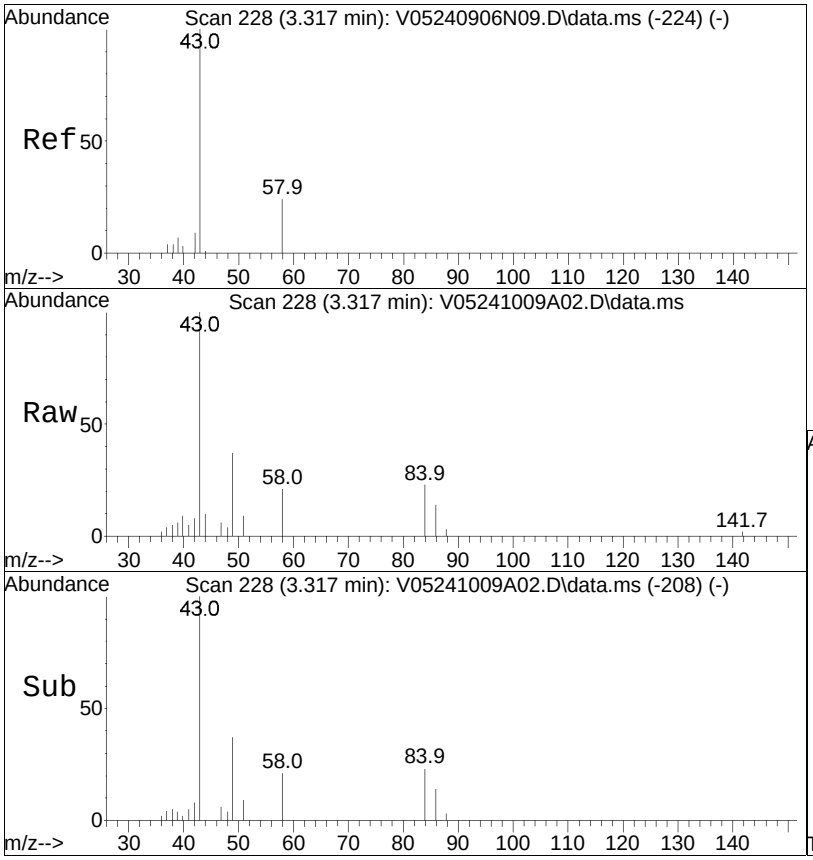


#15
Methylene chloride
Concen: 10.87 ug/L
RT: 3.249 min Scan# 221
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 84 Resp: 107080

Ion	Ratio	Lower	Upper
84	100		
86	63.7	42.1	87.5
49	153.7	69.3	143.9#

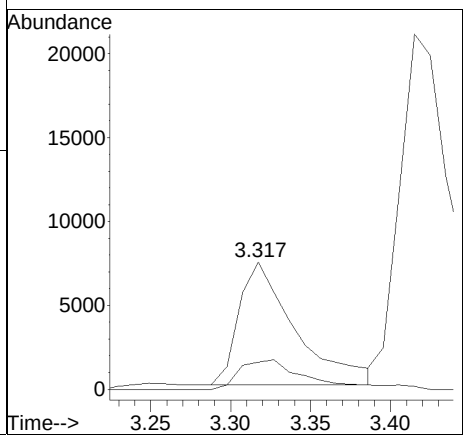


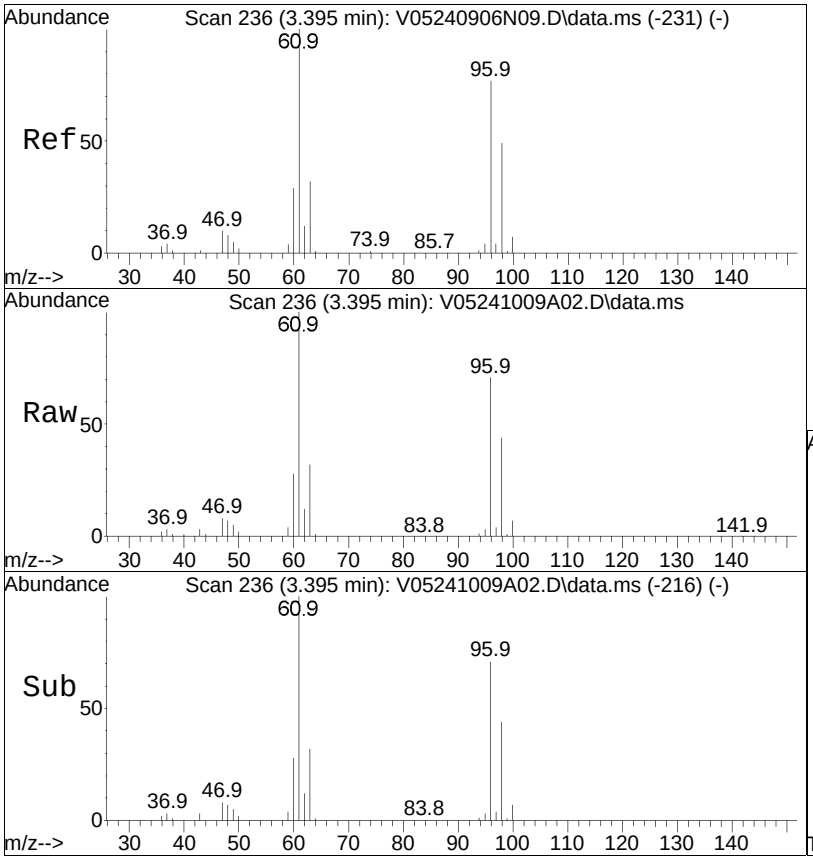


#17
Acetone
Concen: 8.44 ug/L
RT: 3.317 min Scan# 228
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 43 Resp: 17979

Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.0	33.0

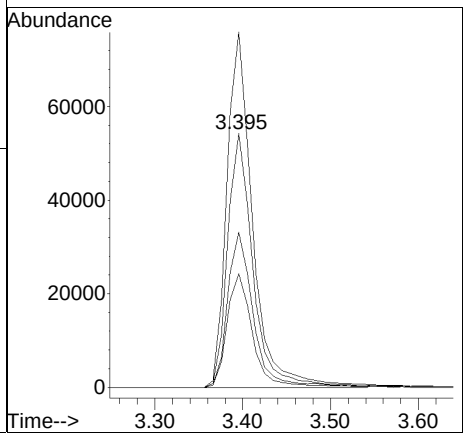


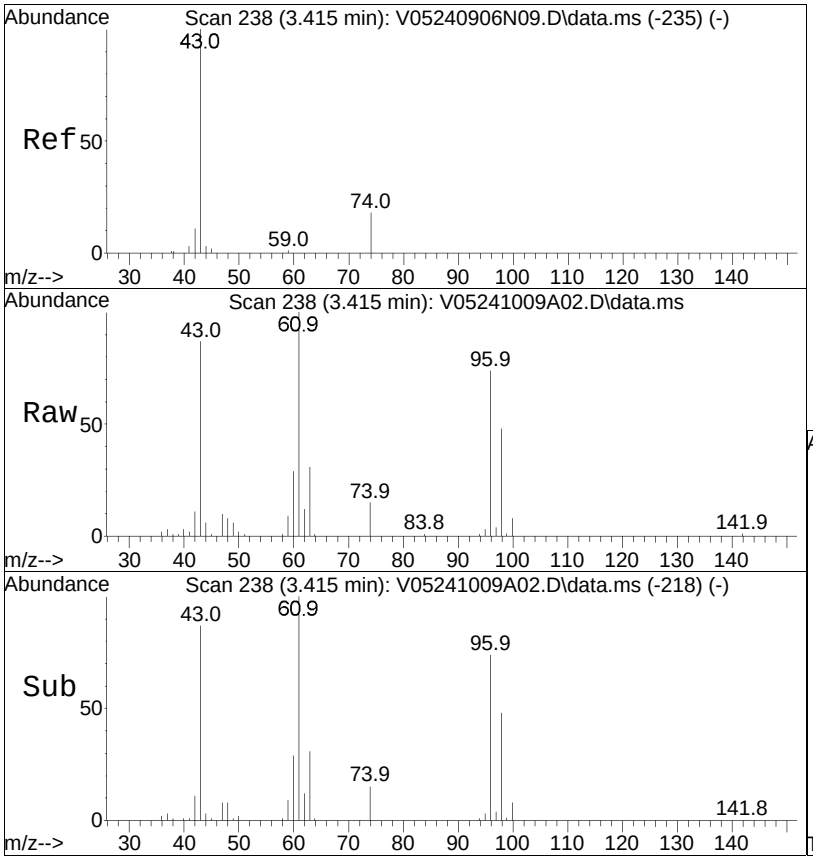


#18
trans-1,2-Dichloroethene
Concen: 11.20 ug/L
RT: 3.395 min Scan# 236
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 96 Resp: 109837

Ion	Ratio	Lower	Upper
96	100		
61	141.7	91.7	190.5
98	61.7	41.1	85.5
63	44.9	29.4	61.0

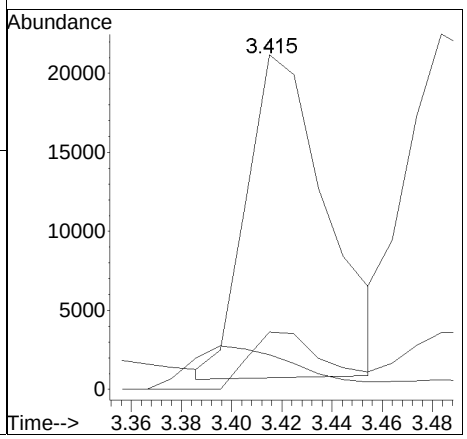


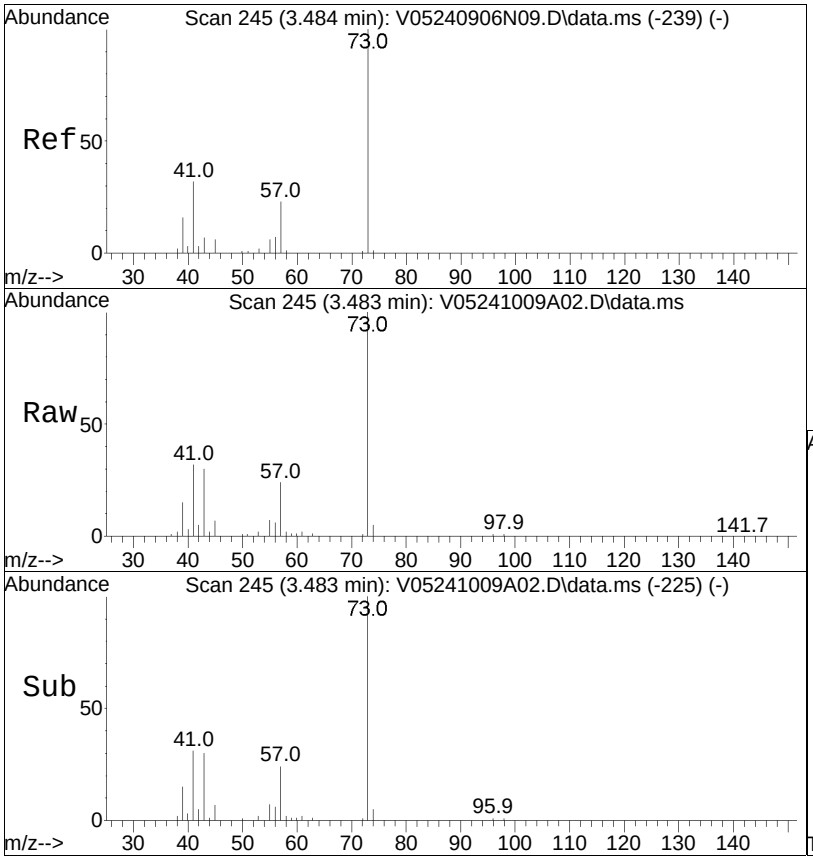


#19
Methyl acetate
Concen: 9.74 ug/L
RT: 3.415 min Scan# 238
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 43 Resp: 45508

Ion	Ratio	Lower	Upper
43	100		
74	17.4	23.1	34.7#
59	17.9	23.9	35.9#

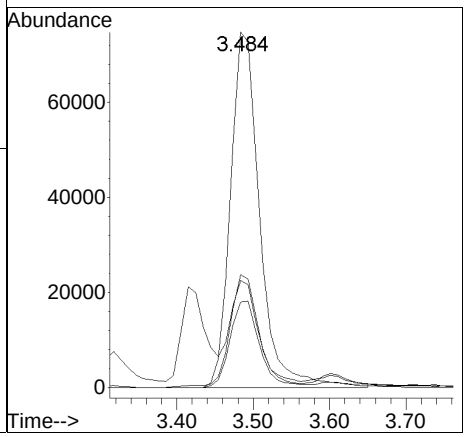


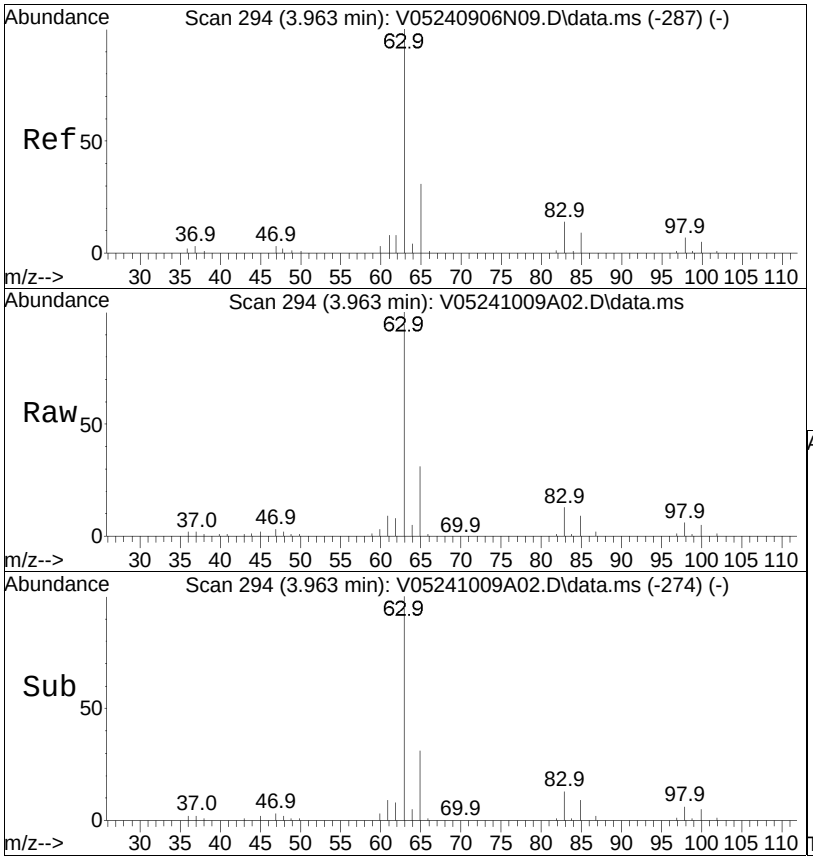


#20
Methyl tert-butyl ether
Concen: 9.25 ug/L
RT: 3.483 min Scan# 245
Delta R.T. -0.001 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 73 Resp: 199809

Ion	Ratio	Lower	Upper
73	100		
57	24.2	11.8	24.6
43	27.4	13.5	27.9
41	31.5	13.3	27.5#

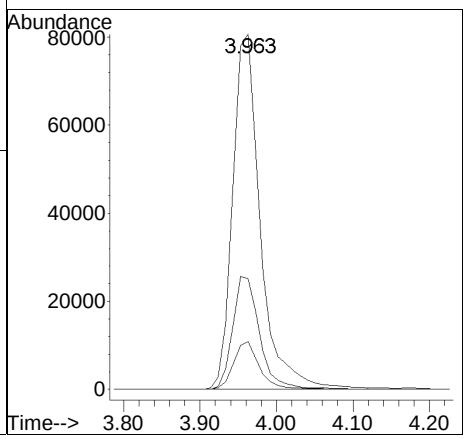


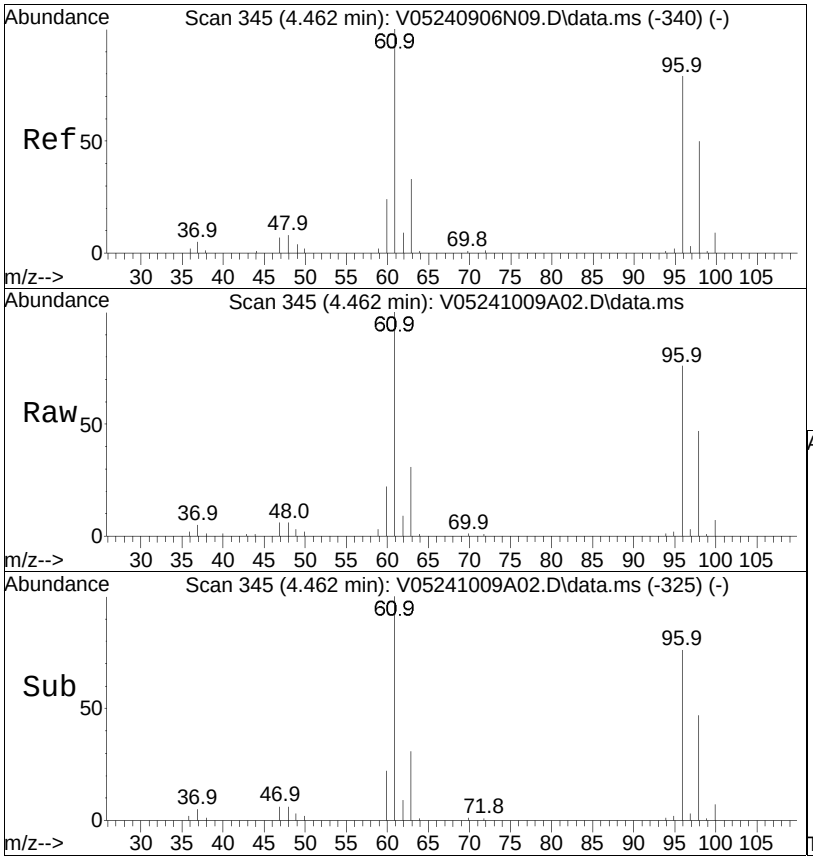


#23
1,1-Dichloroethane
Concen: 11.40 ug/L
RT: 3.963 min Scan# 294
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 63 Resp: 203528

Ion	Ratio	Lower	Upper
63	100		
65	31.0	11.9	51.9
83	12.6	0.0	34.2

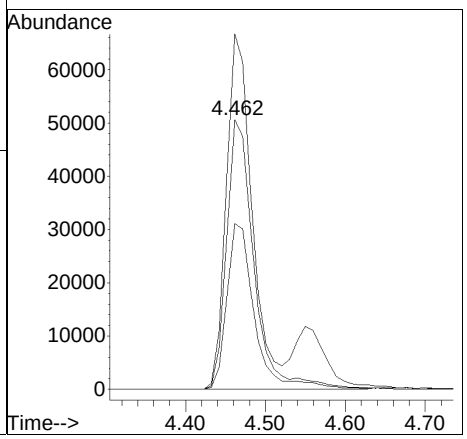


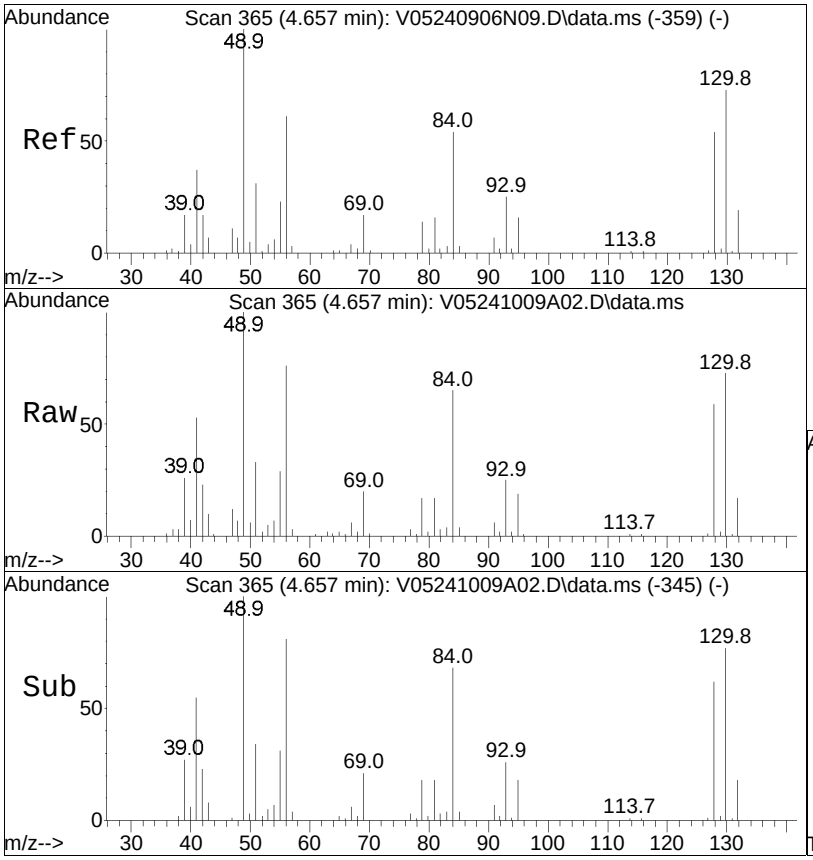


#28
cis-1,2-Dichloroethene
Concen: 10.92 ug/L
RT: 4.462 min Scan# 345
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 96 Resp: 121309

Ion	Ratio	Lower	Upper
96	100		
61	123.1	100.5	150.7
98	62.2	49.8	74.8

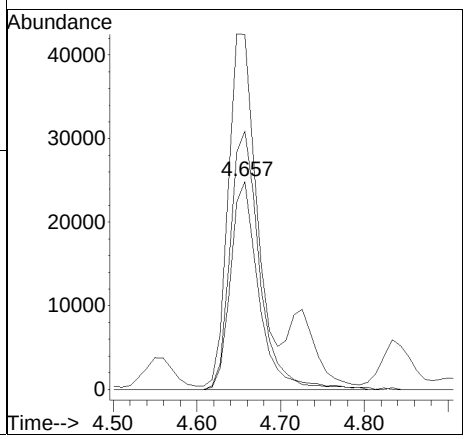


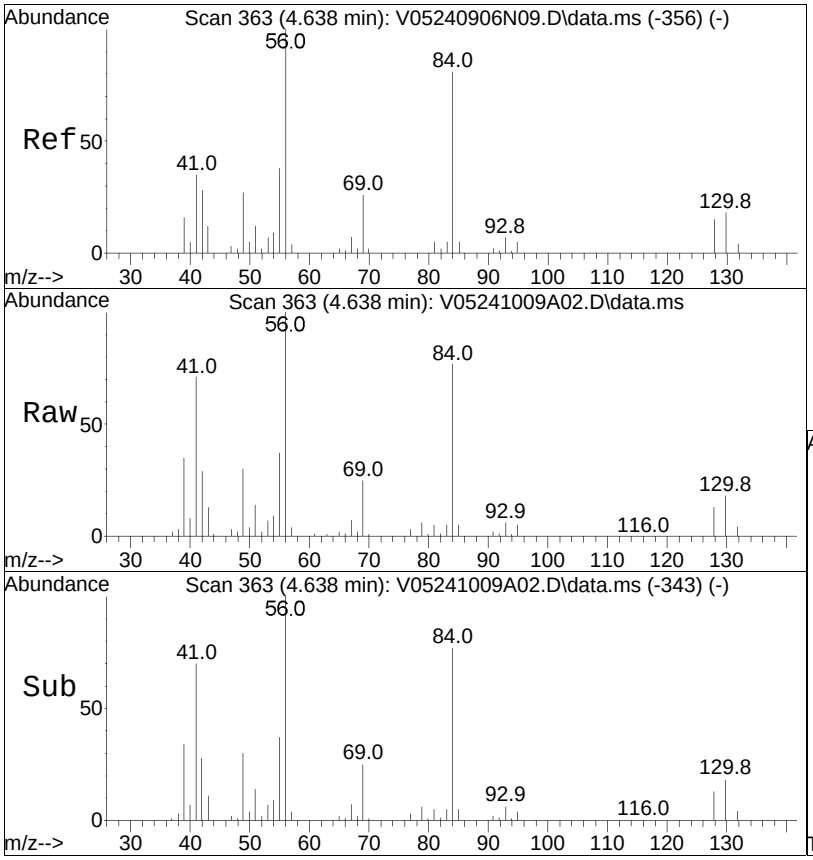


#30
Bromochloromethane
Concen: 10.86 ug/L
RT: 4.657 min Scan# 365
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:128 Resp: 58220

Ion	Ratio	Lower	Upper
128	100		
49	170.6	109.0	163.4#
130	130.2	105.6	158.4

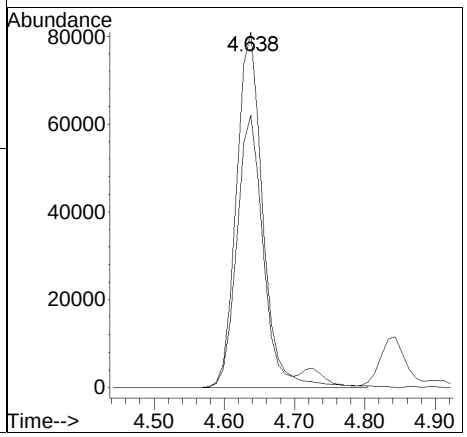


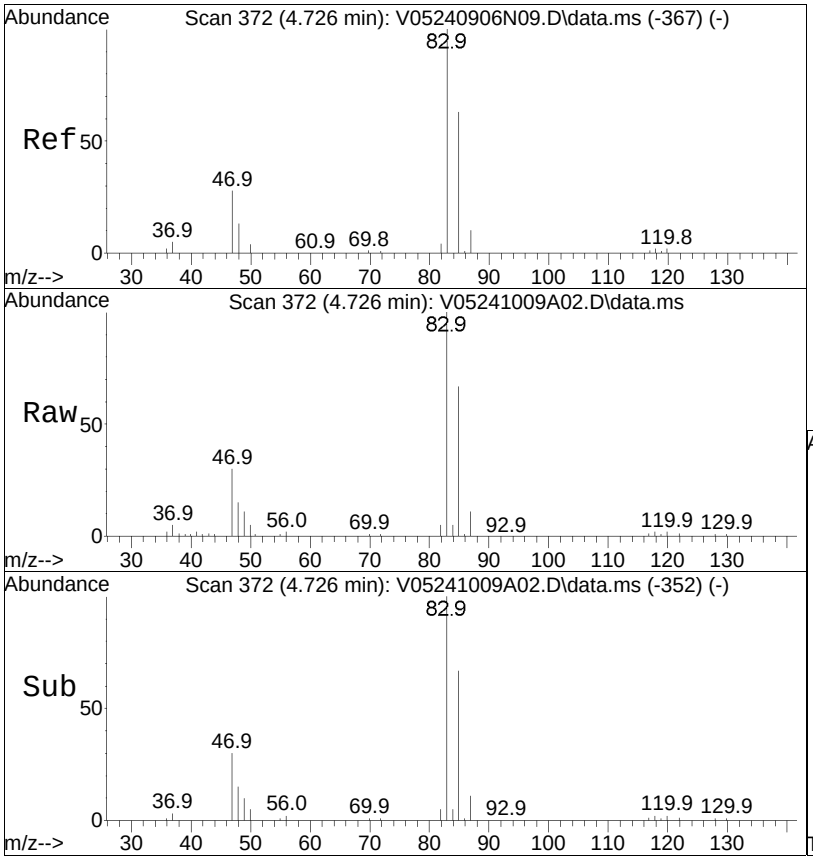


#31
Cyclohexane
Concen: 12.24 ug/L
RT: 4.638 min Scan# 363
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 56 Resp: 210892

Ion	Ratio	Lower	Upper
56	100		
84	75.3	64.4	133.8

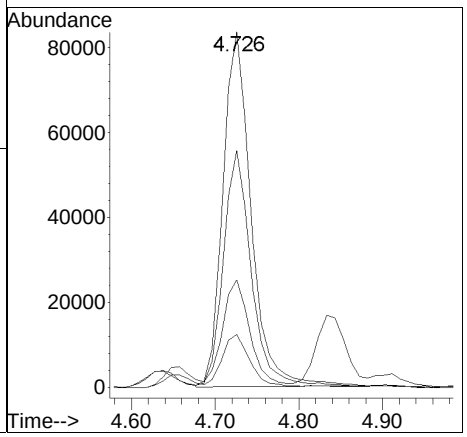


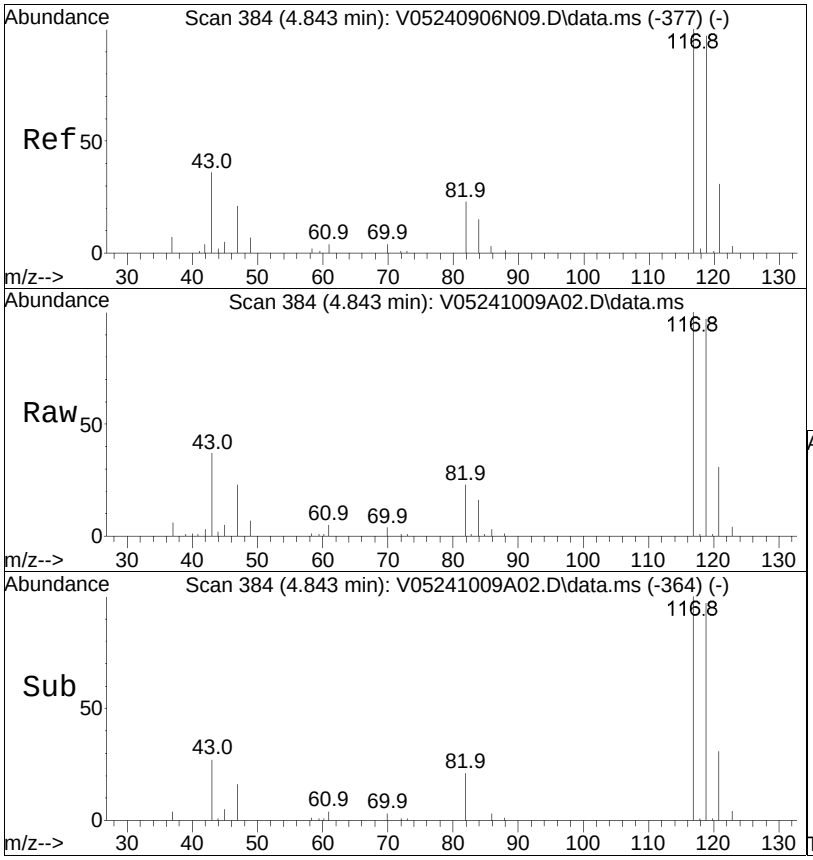


#32
Chloroform
Concen: 10.49 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 195875

Ion	Ratio	Lower	Upper
83	100		
85	65.6	42.8	89.0
47	27.4	13.7	28.4
48	14.6	6.9	14.3#

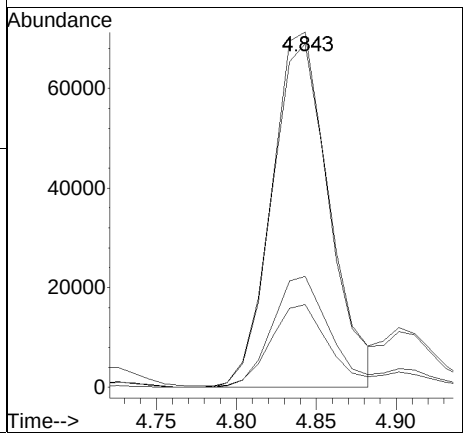


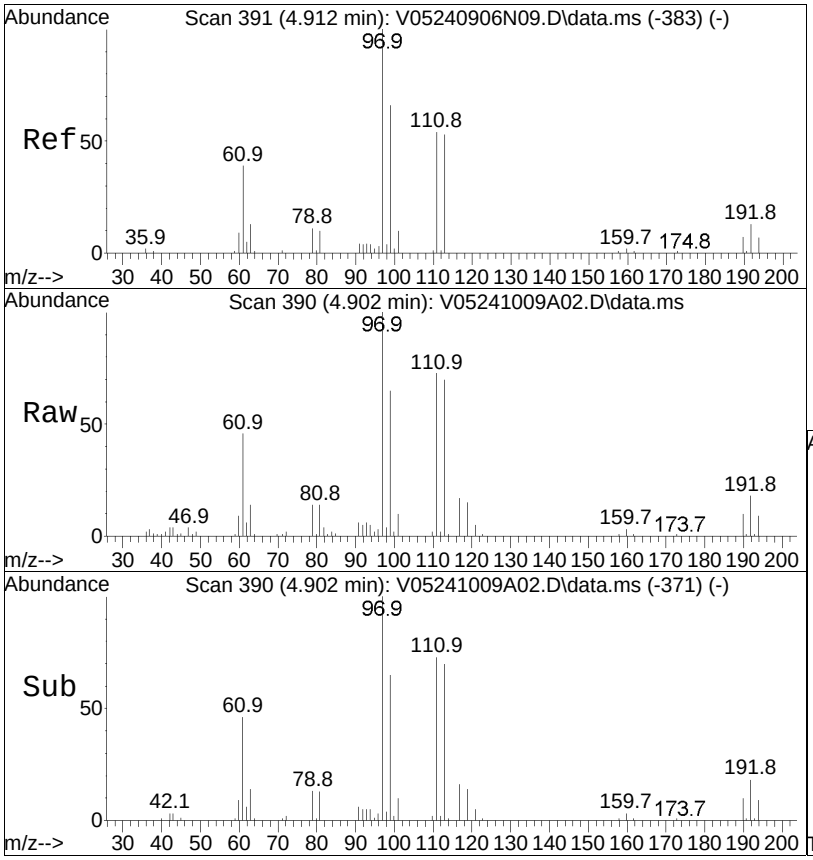


#34
Carbon tetrachloride
Concen: 11.21 ug/L
RT: 4.843 min Scan# 384
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:117 Resp: 179620

Ion	Ratio	Lower	Upper
117	100		
119	96.3	63.6	132.2
121	31.0	19.8	41.0
82	22.7	15.9	32.9

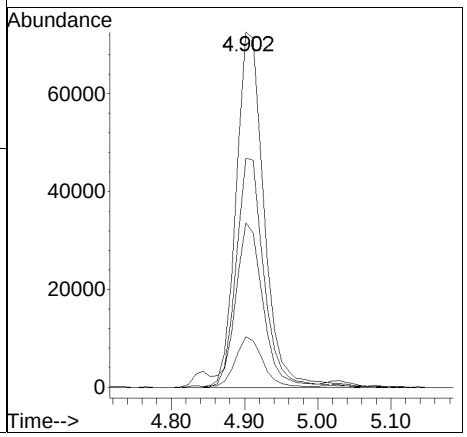


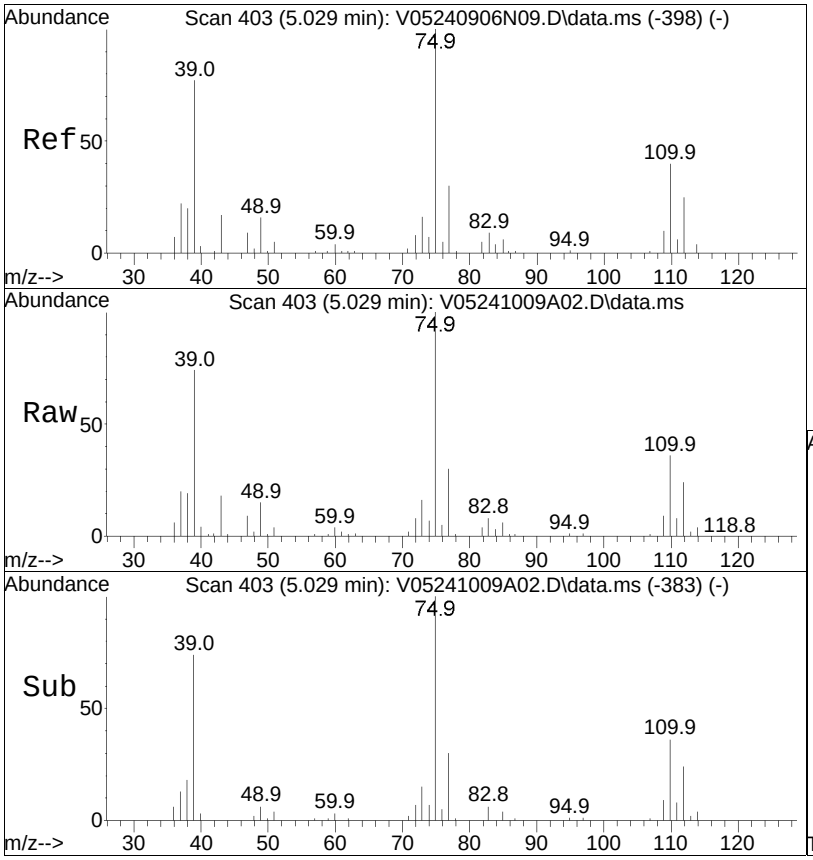


#37
1,1,1-Trichloroethane
Concen: 11.14 ug/L
RT: 4.902 min Scan# 390
Delta R.T. -0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 97 Resp: 193885

Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.7	86.5
61	45.2	26.1	54.3
63	14.3	8.5	17.6

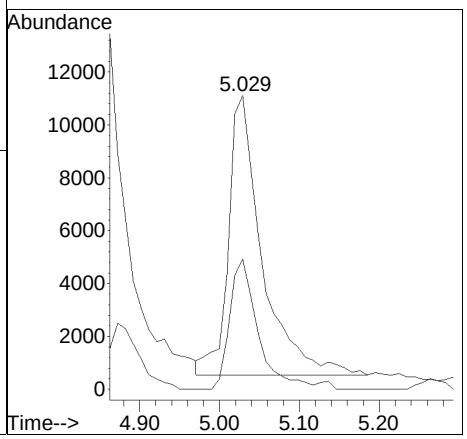


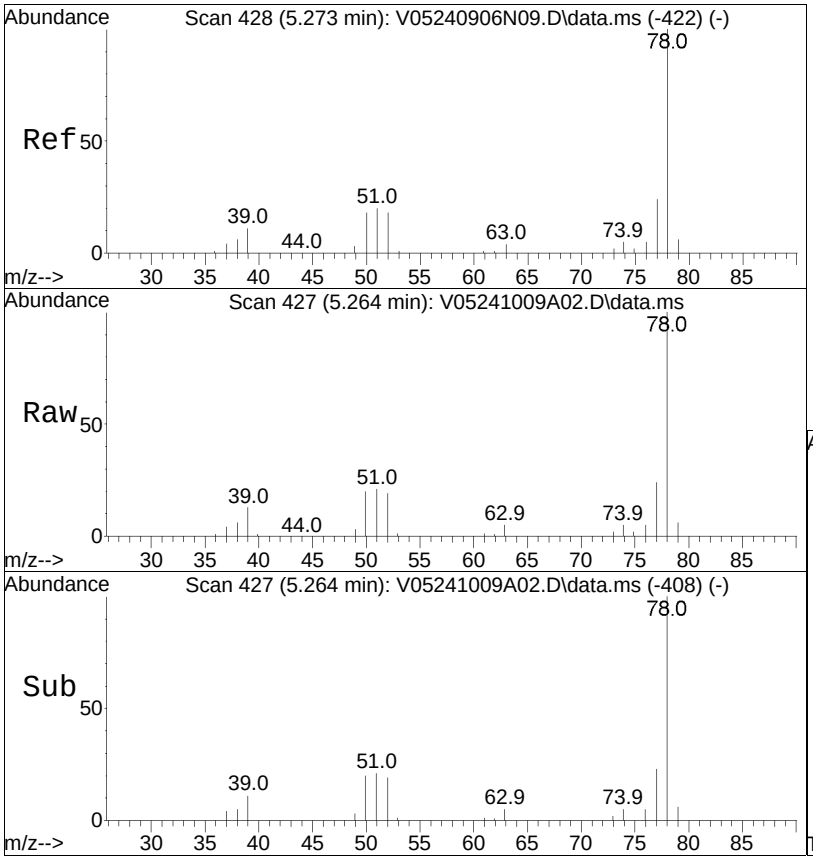


#39
2-Butanone
Concen: 9.55 ug/L
RT: 5.029 min Scan# 403
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 43 Resp: 30918

Ion	Ratio	Lower	Upper
43	100		
72	39.2	55.6	83.4#

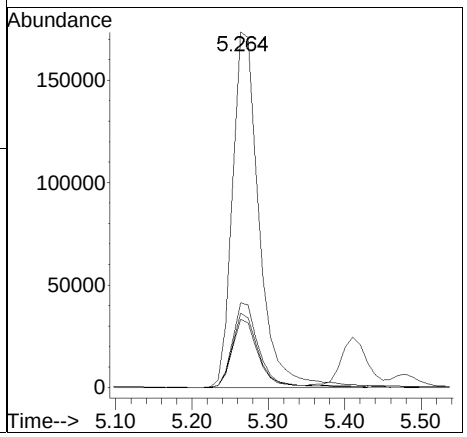


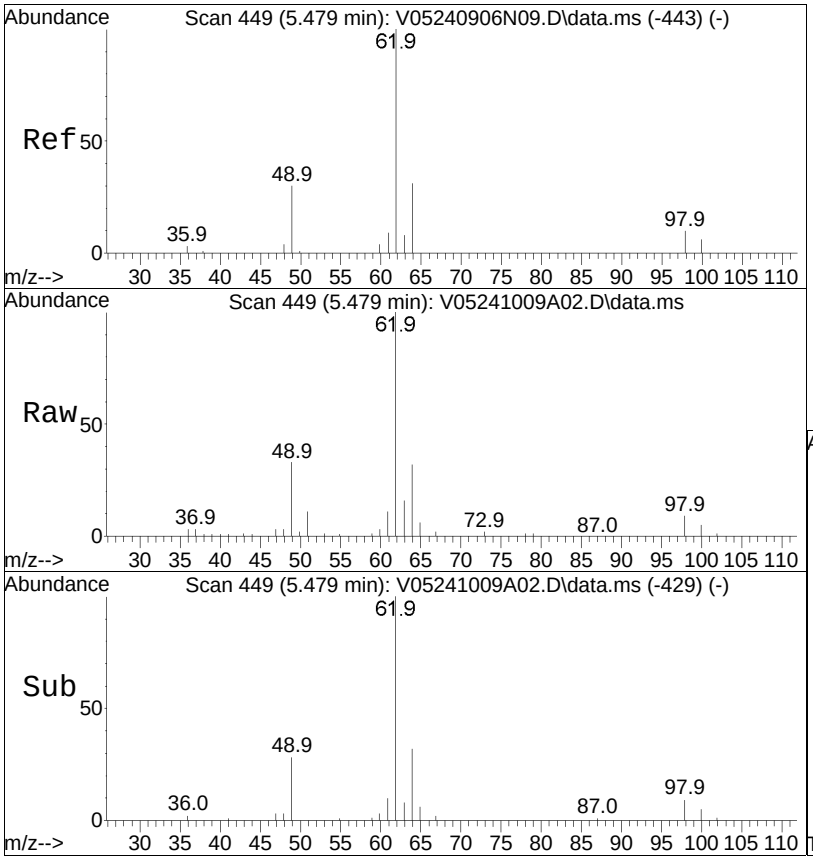


#41
Benzene
Concen: 11.13 ug/L
RT: 5.264 min Scan# 427
Delta R.T. -0.009 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 78 Resp: 422391

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.2	31.6
51	20.0	10.5	21.7
52	19.4	9.5	19.7

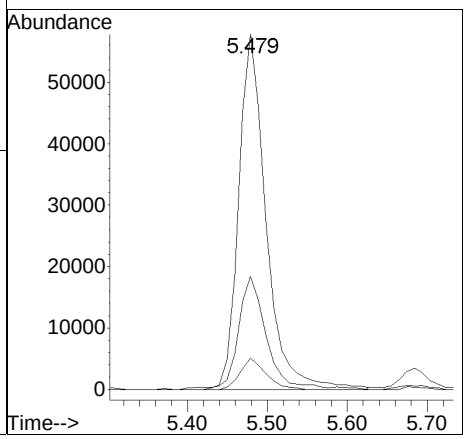


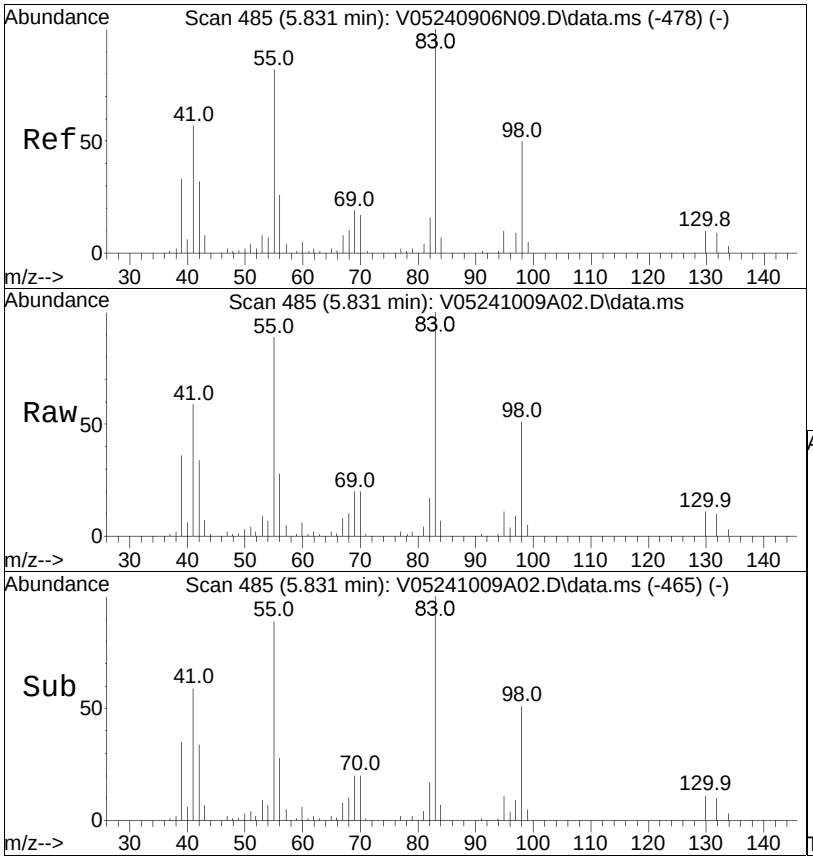


#44
1,2-Dichloroethane
Concen: 11.02 ug/L
RT: 5.479 min Scan# 449
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 62 Resp: 138072

Ion	Ratio	Lower	Upper
62	100		
64	32.3	13.2	53.2
98	8.3	0.0	27.8

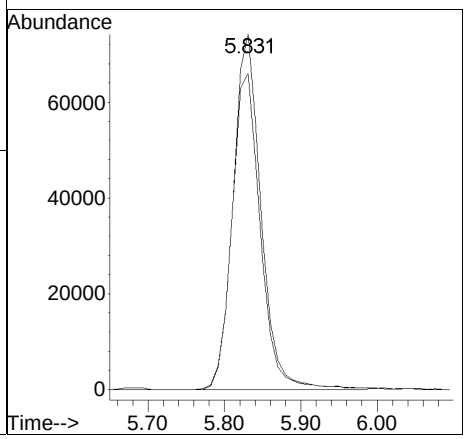


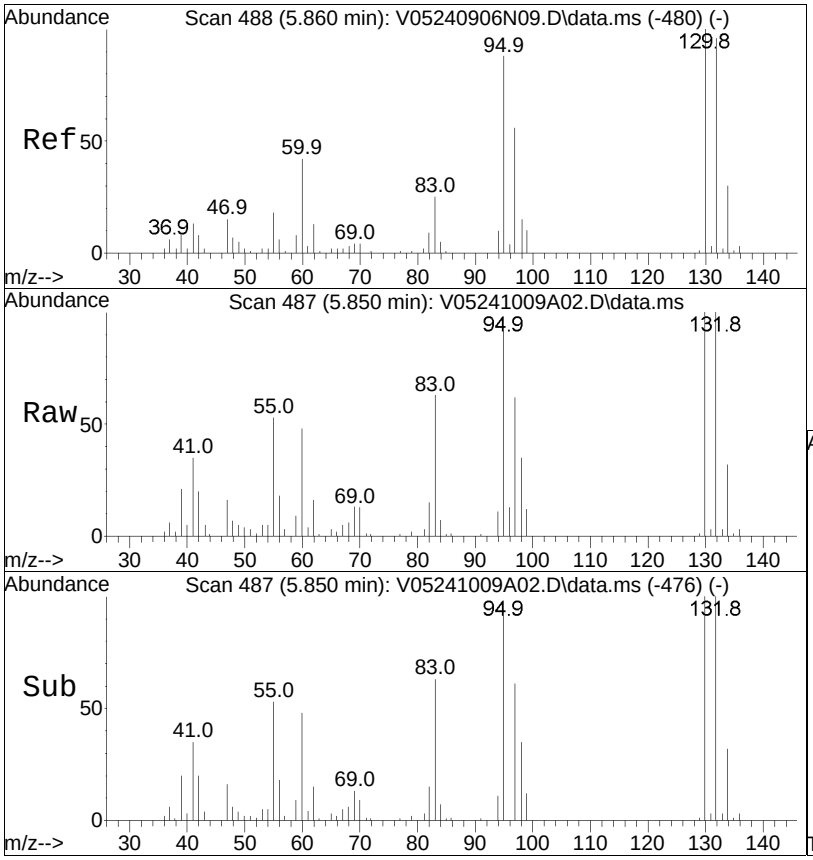


#47
Methyl cyclohexane
Concen: 10.80 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 188062

Ion	Ratio	Lower	Upper
83	100		
55	90.8	57.3	85.9#

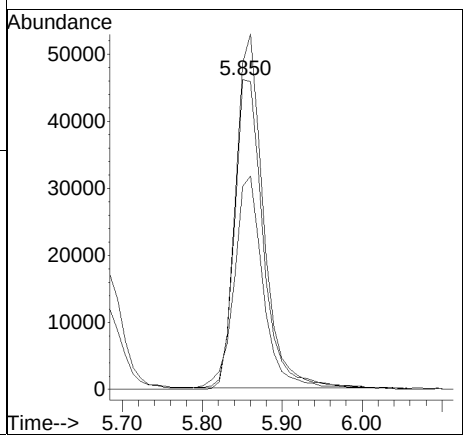


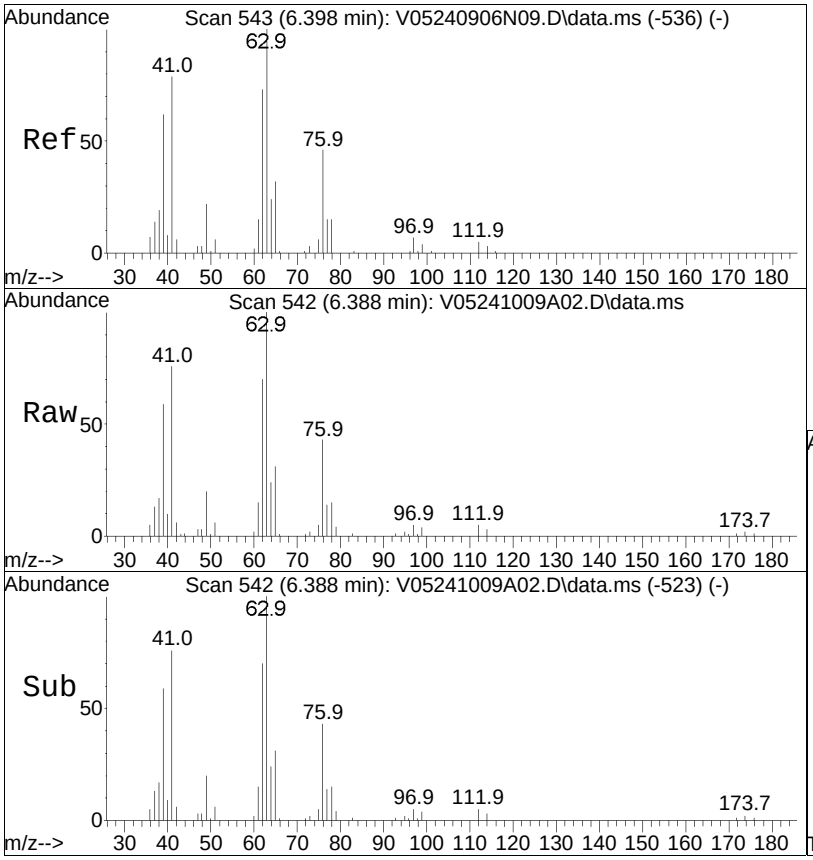


#48
Trichloroethene
Concen: 10.09 ug/L
RT: 5.850 min Scan# 487
Delta R.T. -0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 95 Resp: 114039

Ion	Ratio	Lower	Upper
95	100		
97	70.2	56.1	84.1
130	114.3	77.7	116.5

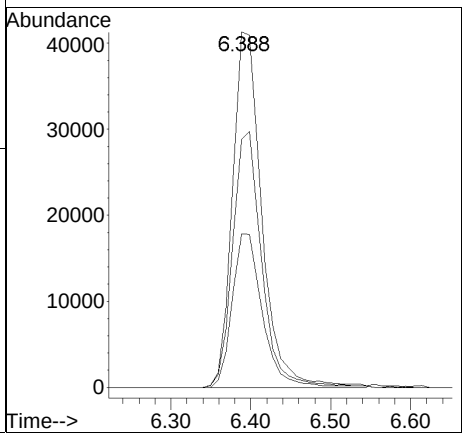


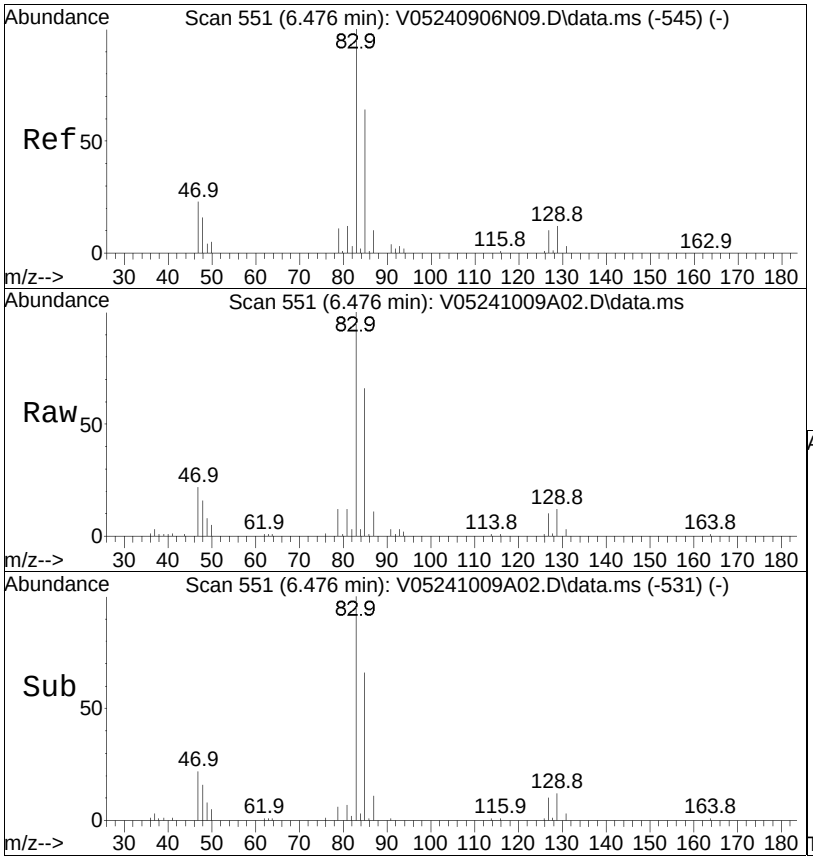


#51
1,2-Dichloropropane
Concen: 11.19 ug/L
RT: 6.388 min Scan# 542
Delta R.T. -0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 63 Resp: 106034

Ion	Ratio	Lower	Upper
63	100		
62	71.1	57.0	85.4
76	44.1	48.4	72.6#

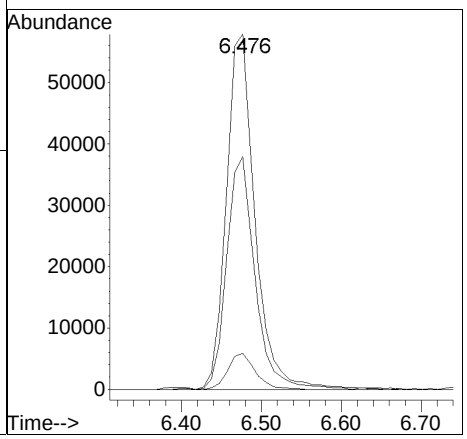


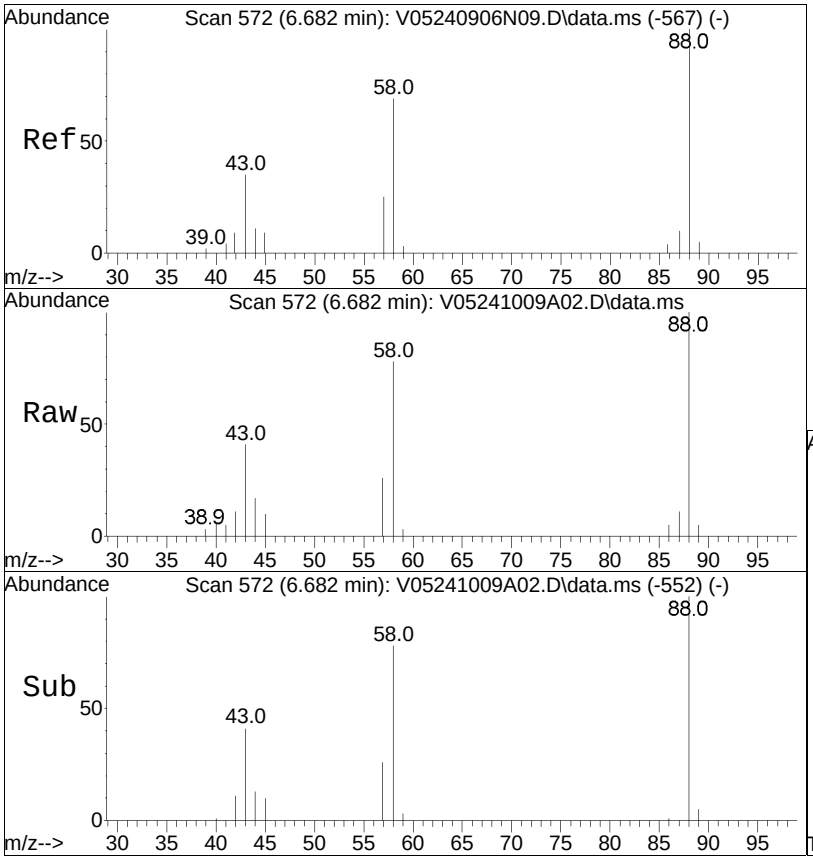


#54
Bromodichloromethane
Concen: 10.41 ug/L
RT: 6.476 min Scan# 551
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 144548

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.6
127	9.7	6.7	10.1

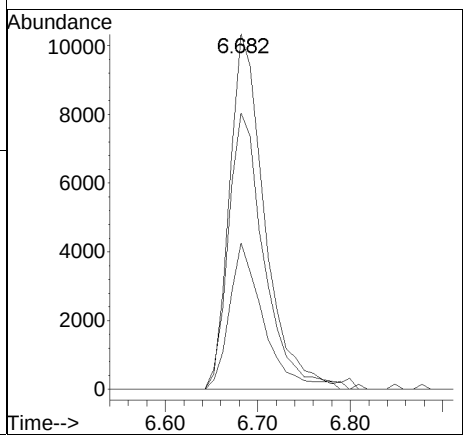


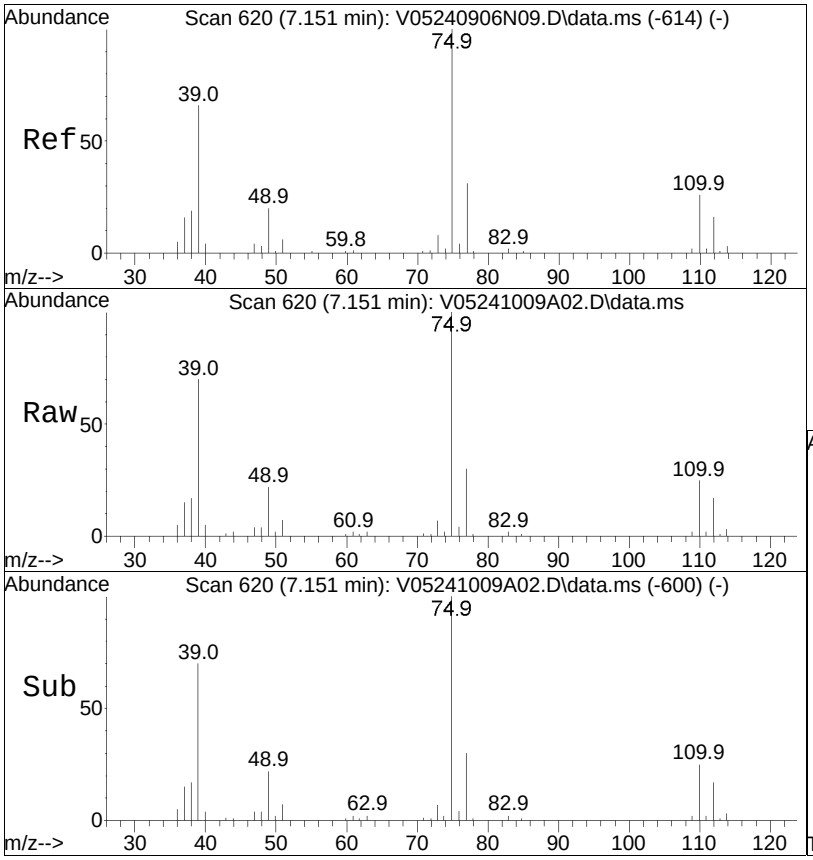


#57
1,4-Dioxane
Concen: 466.65 ug/L
RT: 6.682 min Scan# 572
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 88 Resp: 27612

Ion	Ratio	Lower	Upper
88	100		
58	78.4	50.6	75.8#
43	39.6	20.5	30.7#

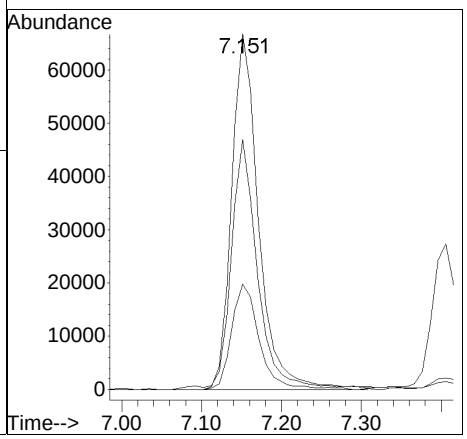


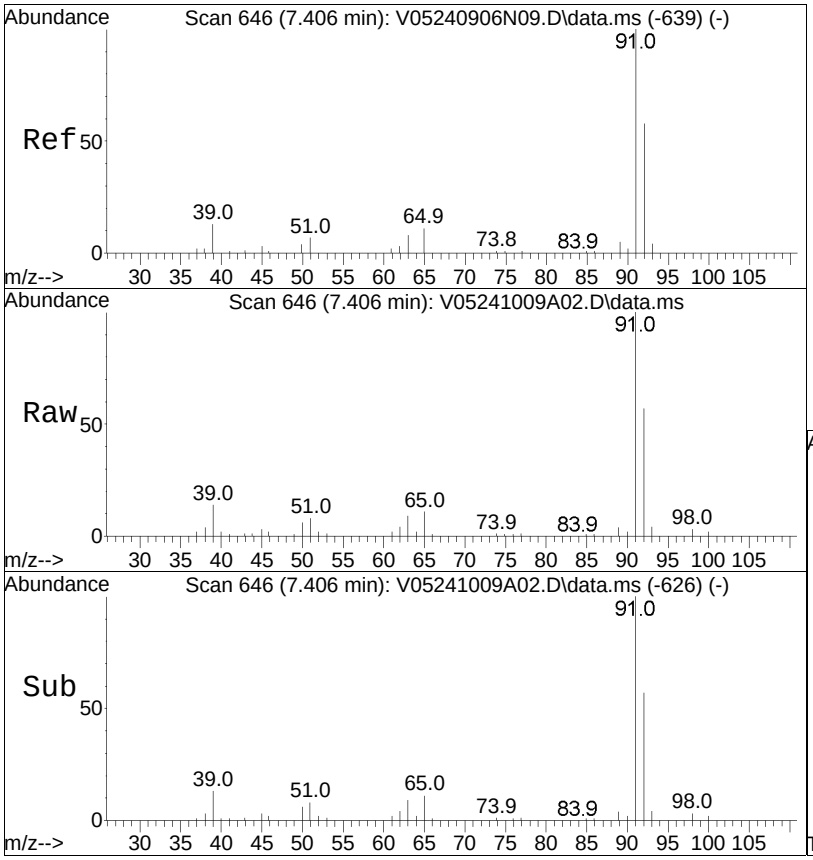


#58
cis-1,3-Dichloropropene
Concen: 10.76 ug/L
RT: 7.151 min Scan# 620
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 75 Resp: 157108

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.5	38.3
39	68.4	40.4	60.6#

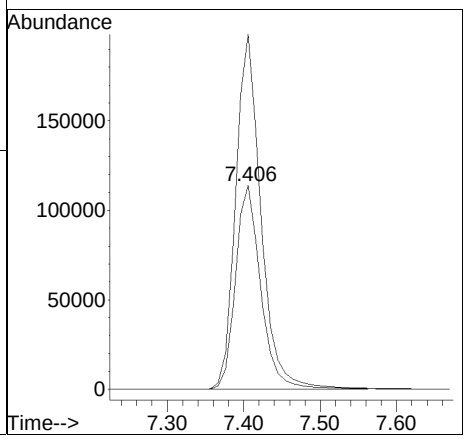


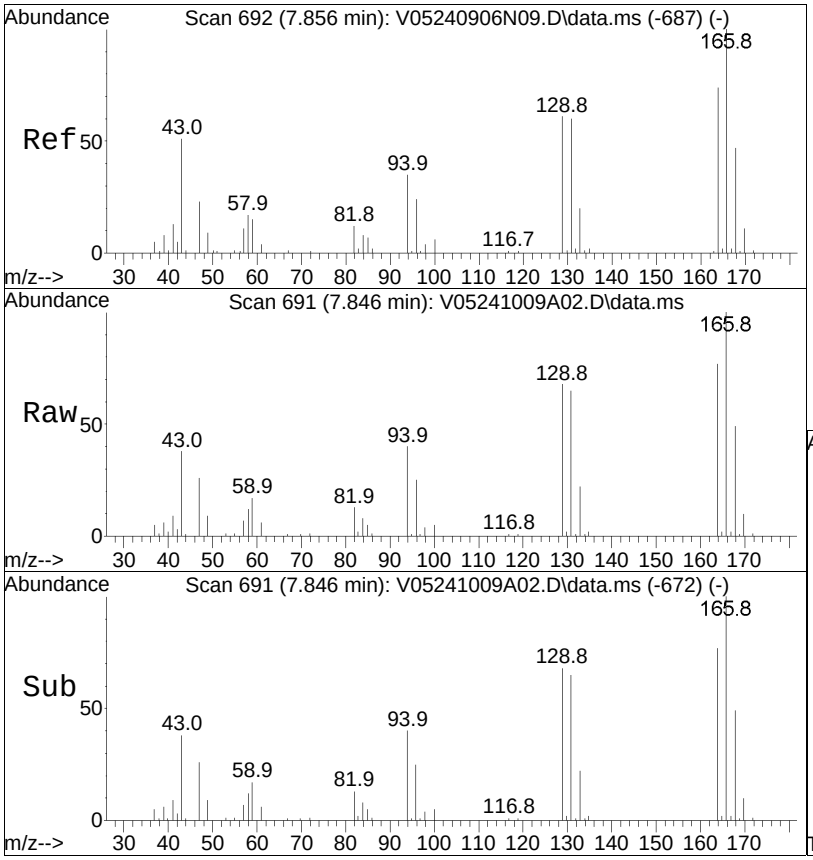


#61
Toluene
Concen: 10.60 ug/L
RT: 7.406 min Scan# 646
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 92 Resp: 262840

Ion	Ratio	Lower	Upper
92	100		
91	173.6	135.2	202.8

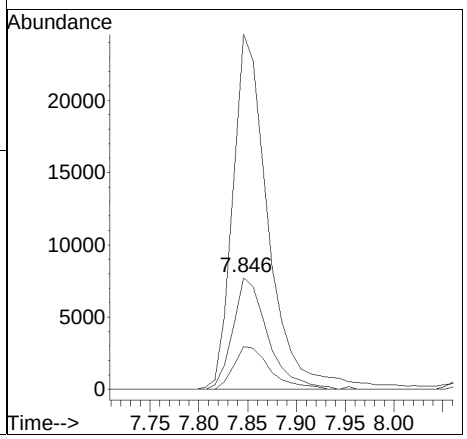


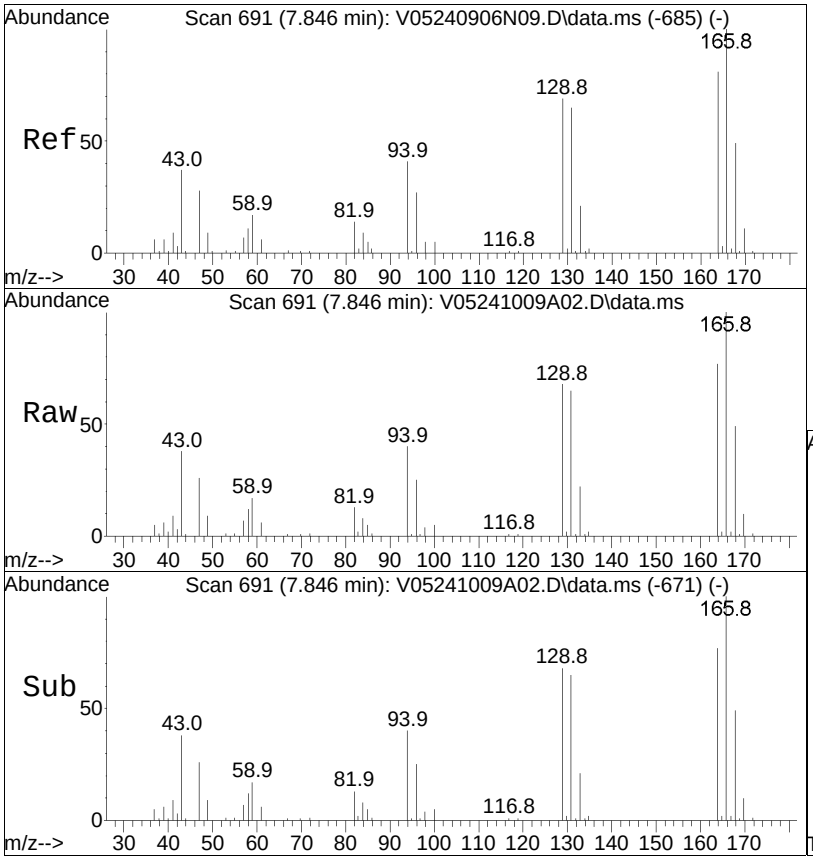


#62
4-Methyl-2-pentanone
Concen: 9.43 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 58 Resp: 19347

Ion	Ratio	Lower	Upper
58	100		
100	39.9	38.9	58.3
43	324.7	204.2	306.2#

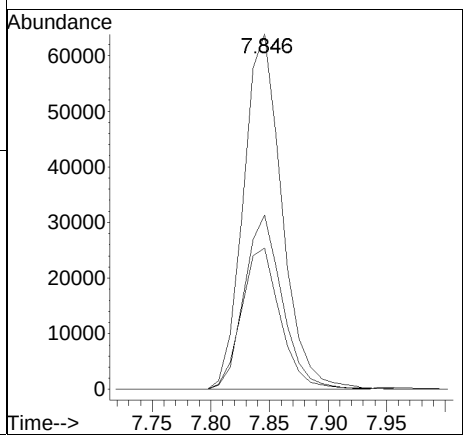


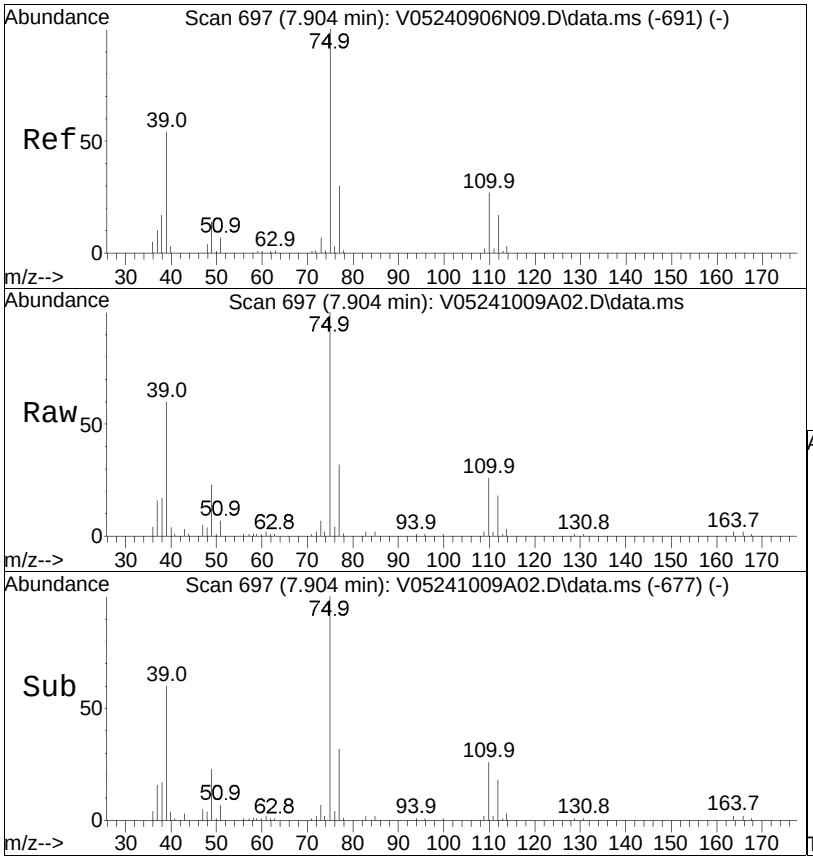


#63
Tetrachloroethene
Concen: 11.17 ug/L
RT: 7.846 min Scan# 691
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:166 Resp: 146169

Ion	Ratio	Lower	Upper
166	100		
168	48.7	30.2	70.2
94	40.3	32.5	72.5

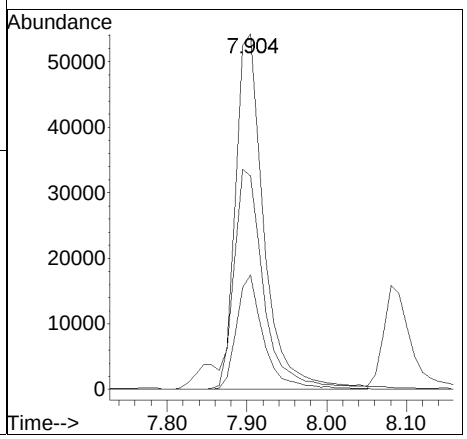


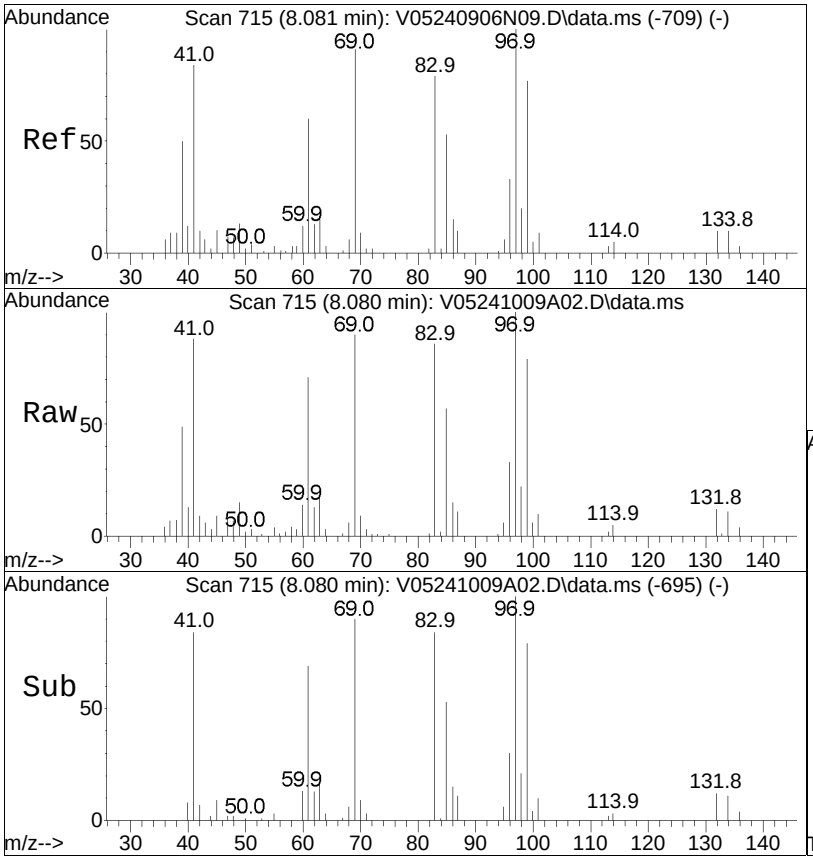


#65
trans-1,3-Dichloropropene
Concen: 11.13 ug/L
RT: 7.904 min Scan# 697
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 75 Resp: 134205

Ion	Ratio	Lower	Upper
75	100		
77	31.0	11.5	51.5
39	70.4	29.3	69.3#

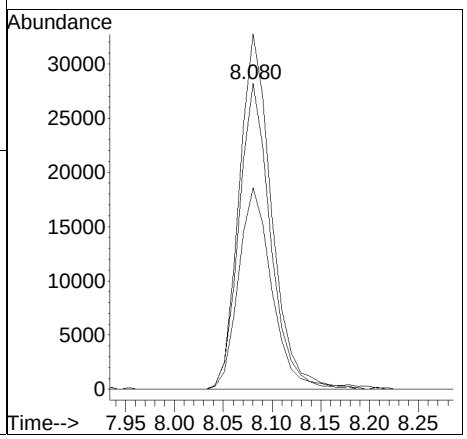


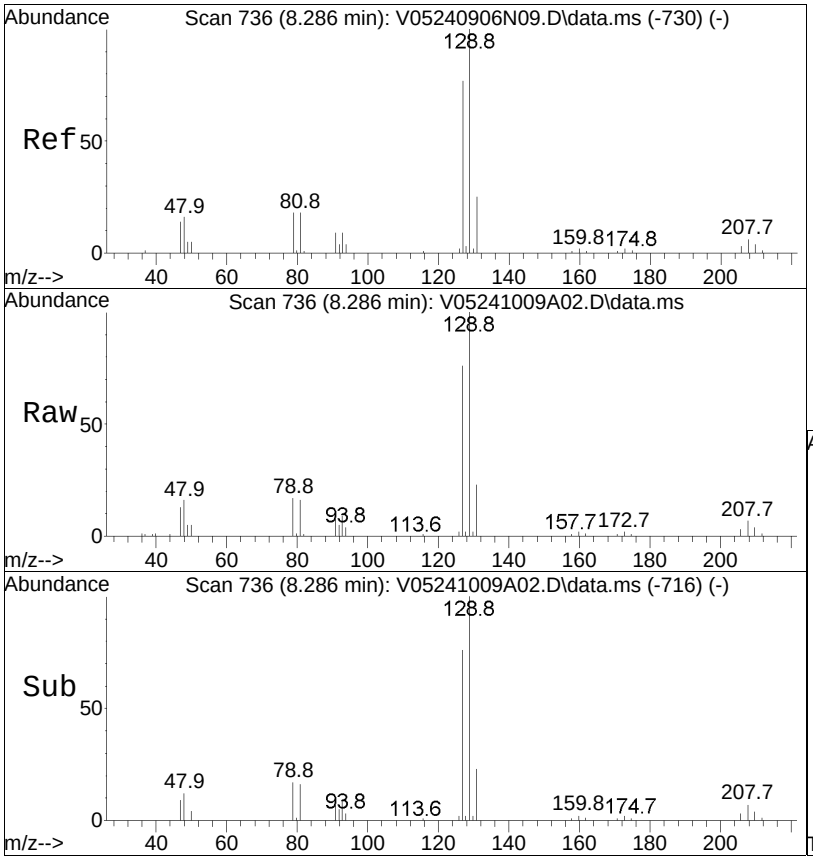


#68
1,1,2-Trichloroethane
Concen: 10.40 ug/L
RT: 8.080 min Scan# 715
Delta R.T. -0.001 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 63805

Ion	Ratio	Lower	Upper
83	100		
97	119.8	102.2	142.2
85	69.2	47.5	87.5

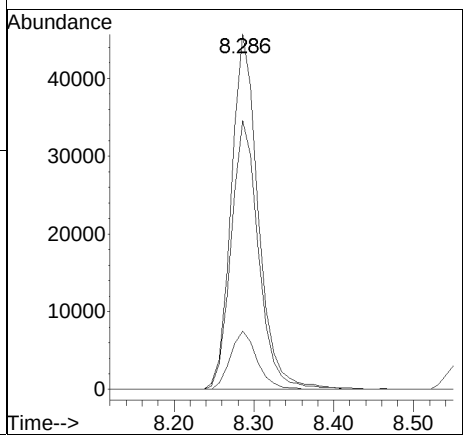


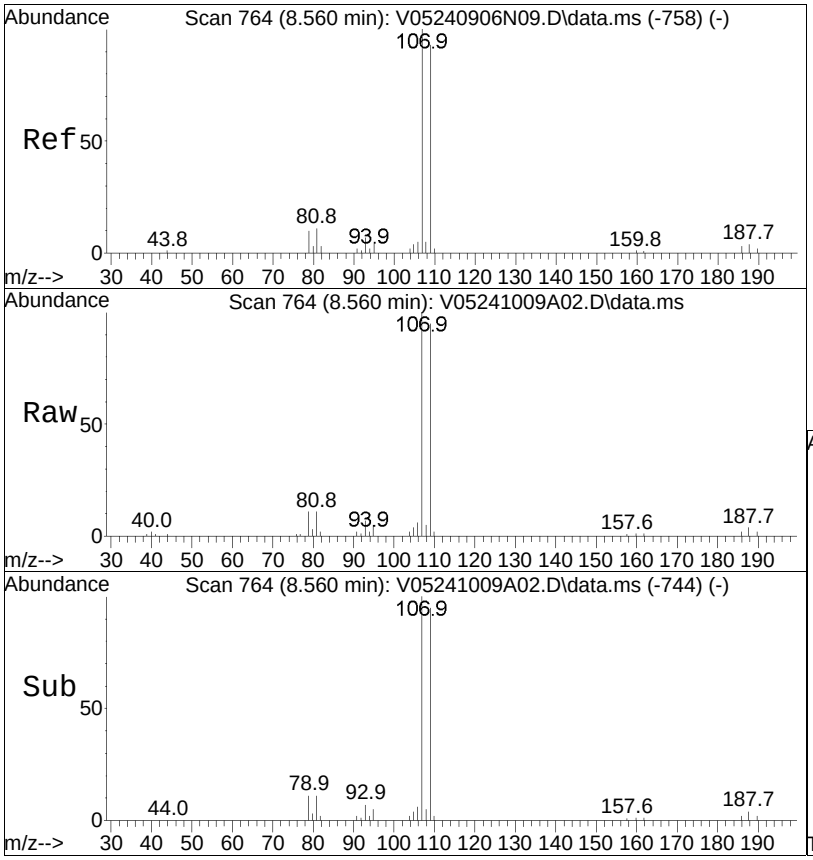


#69
Chlorodibromomethane
Concen: 10.28 ug/L
RT: 8.286 min Scan# 736
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:129 Resp: 107478

Ion	Ratio	Lower	Upper
129	100		
81	16.3	0.0	37.0
127	76.8	58.3	98.3

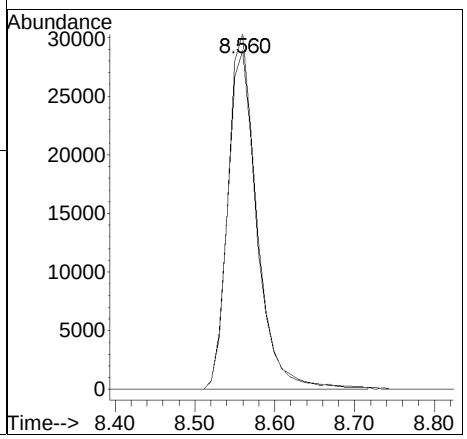


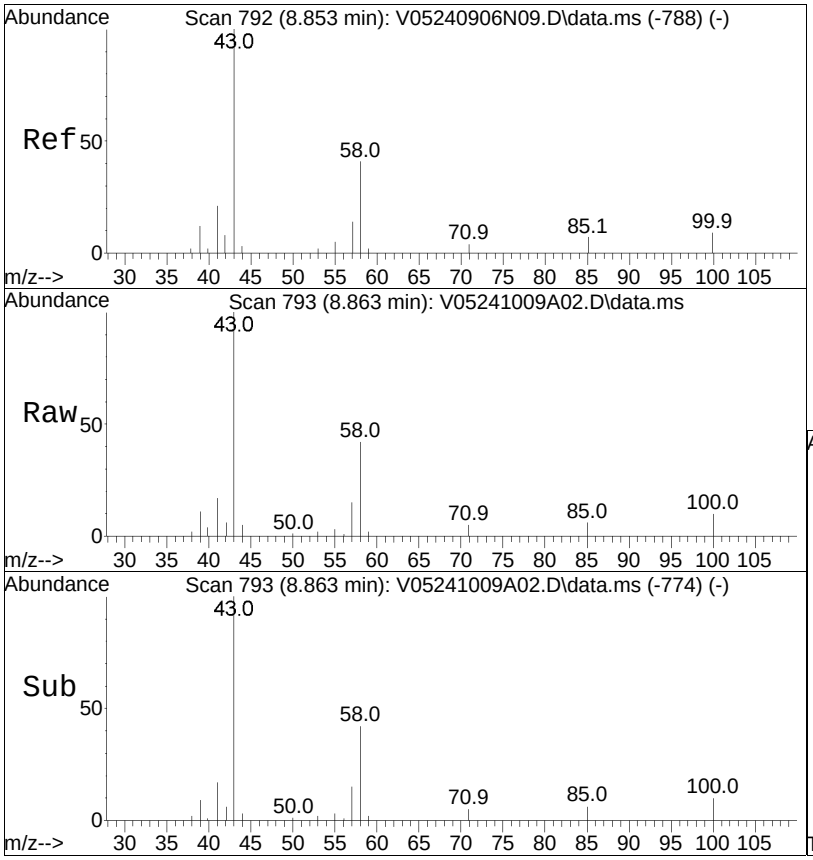


#71
1,2-Dibromoethane
Concen: 10.20 ug/L
RT: 8.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:107 Resp: 84223

Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

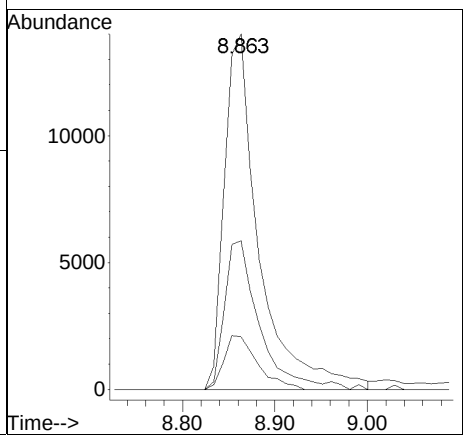


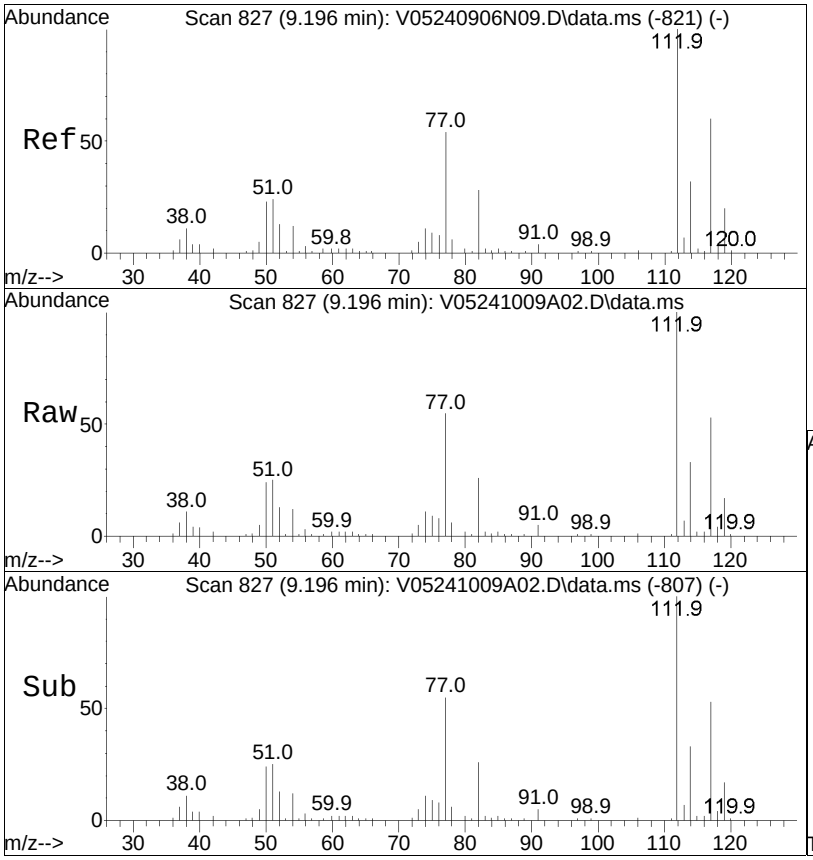


#72
2-Hexanone
Concen: 8.97 ug/L
RT: 8.863 min Scan# 793
Delta R.T. 0.010 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 43 Resp: 36703

Ion	Ratio	Lower	Upper
43	100		
58	42.0	42.3	63.5#
57	14.7	15.6	23.4#

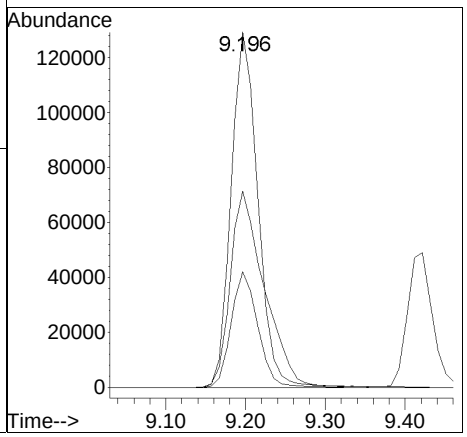


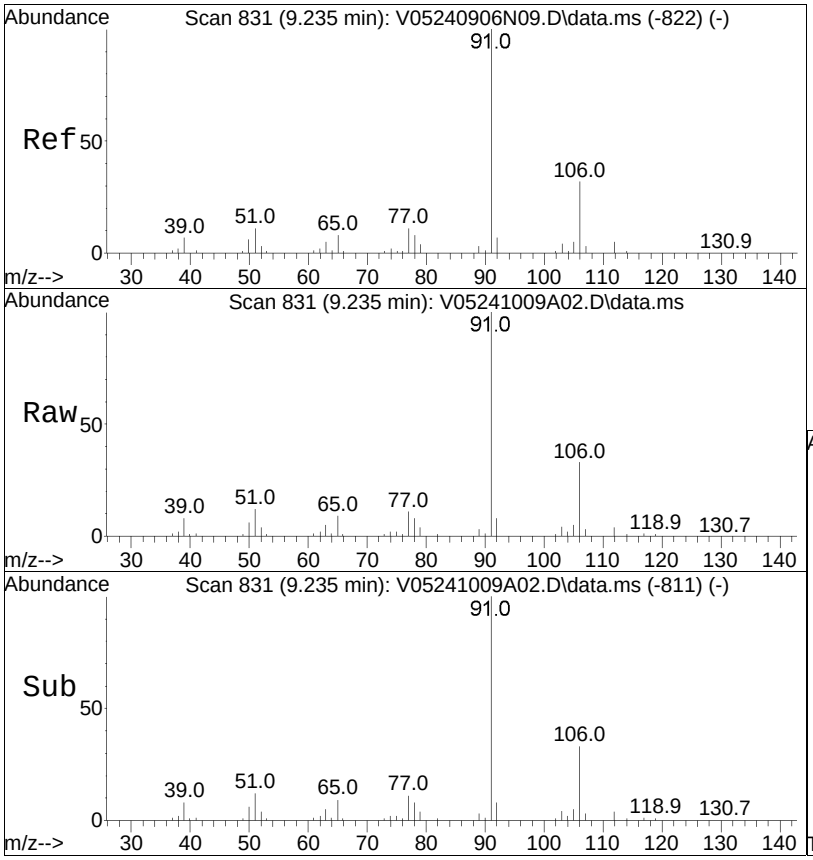


#73
Chlorobenzene
Concen: 10.28 ug/L
RT: 9.196 min Scan# 827
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:112 Resp: 301219

Ion	Ratio	Lower	Upper
112	100		
77	70.3	66.1	99.1
114	32.4	25.4	38.0

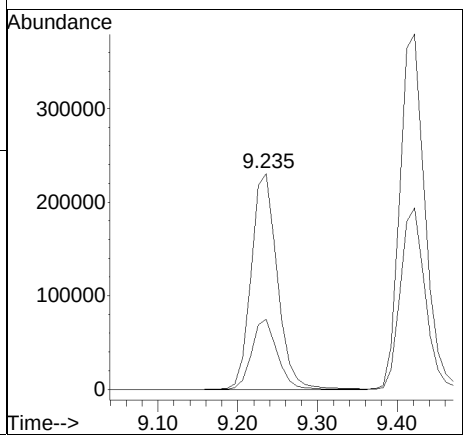


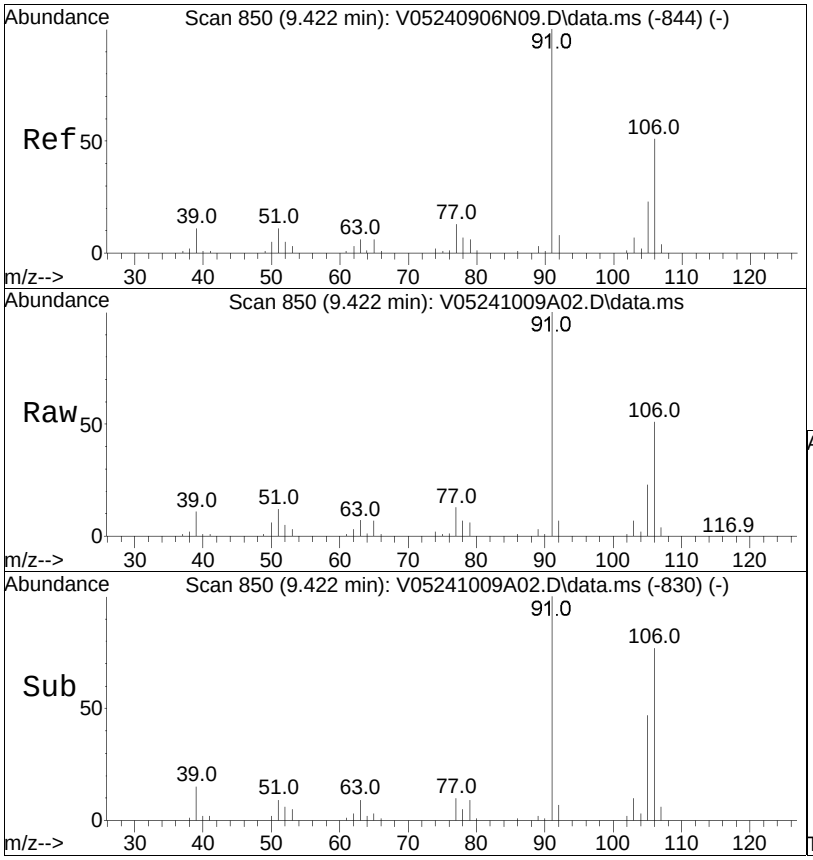


#74
Ethylbenzene
Concen: 10.63 ug/L
RT: 9.235 min Scan# 831
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 91 Resp: 526456

Ion	Ratio	Lower	Upper
91	100		
106	31.7	22.9	34.3

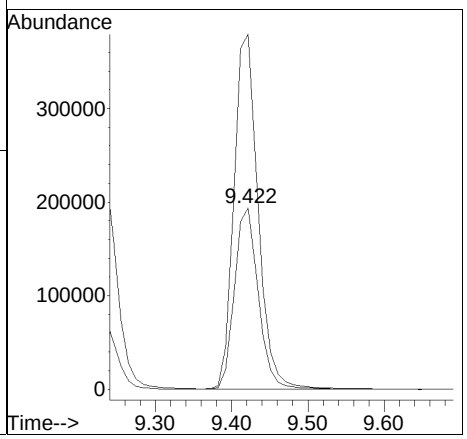


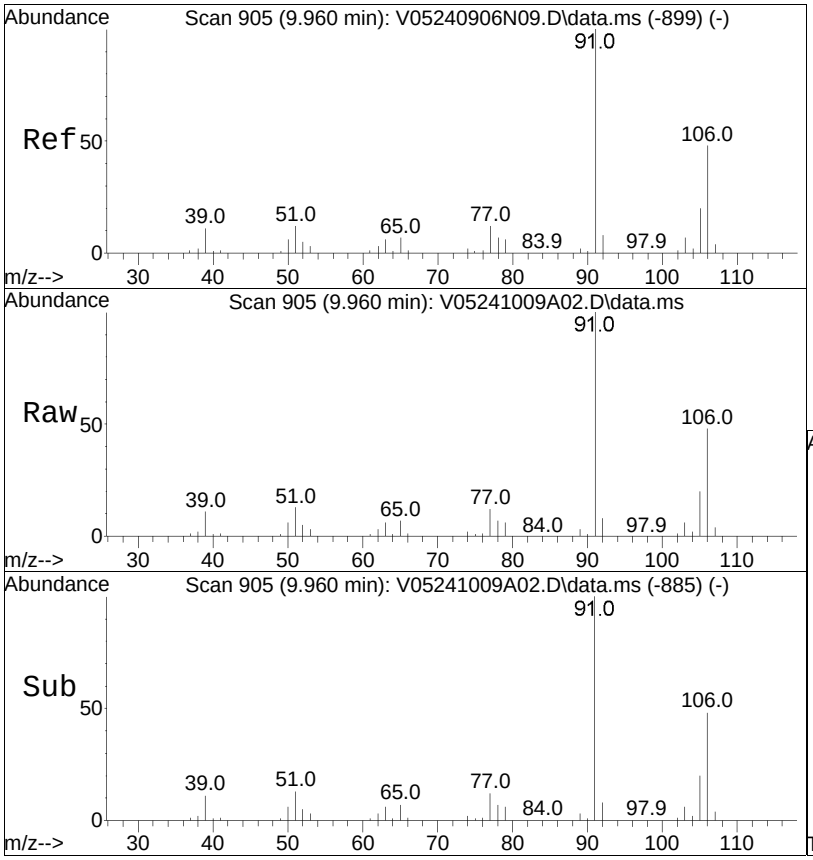


#76
p/m Xylene
Concen: 22.00 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:106 Resp: 420690

Ion	Ratio	Lower	Upper
106	100		
91	197.0	177.2	265.8

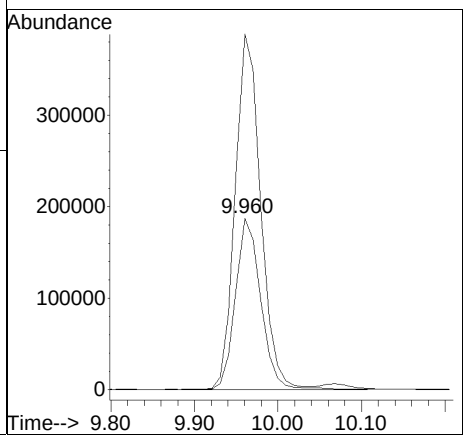


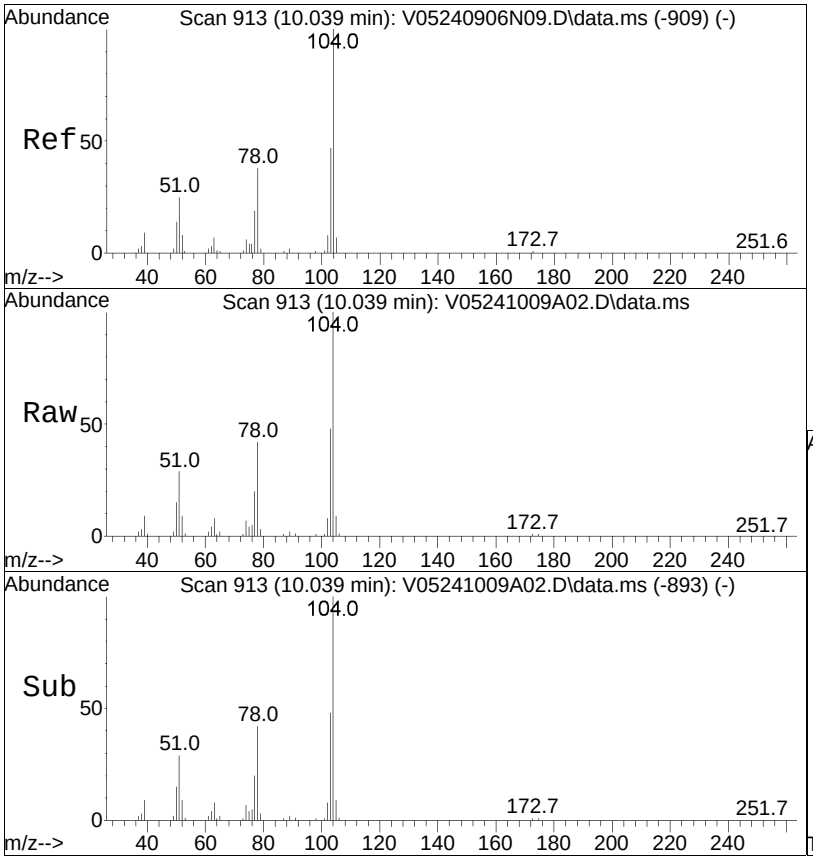


#77
o Xylene
Concen: 21.74 ug/L
RT: 9.960 min Scan# 905
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:106 Resp: 393856

Ion	Ratio	Lower	Upper
106	100		
91	208.7	187.0	280.6

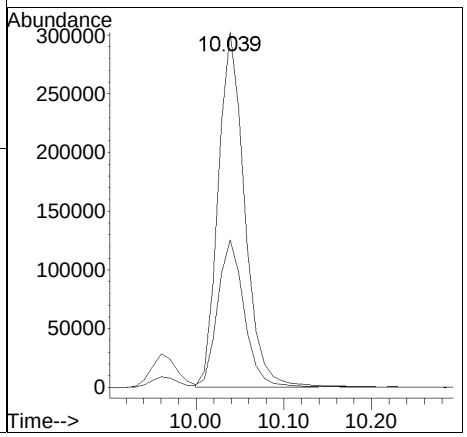


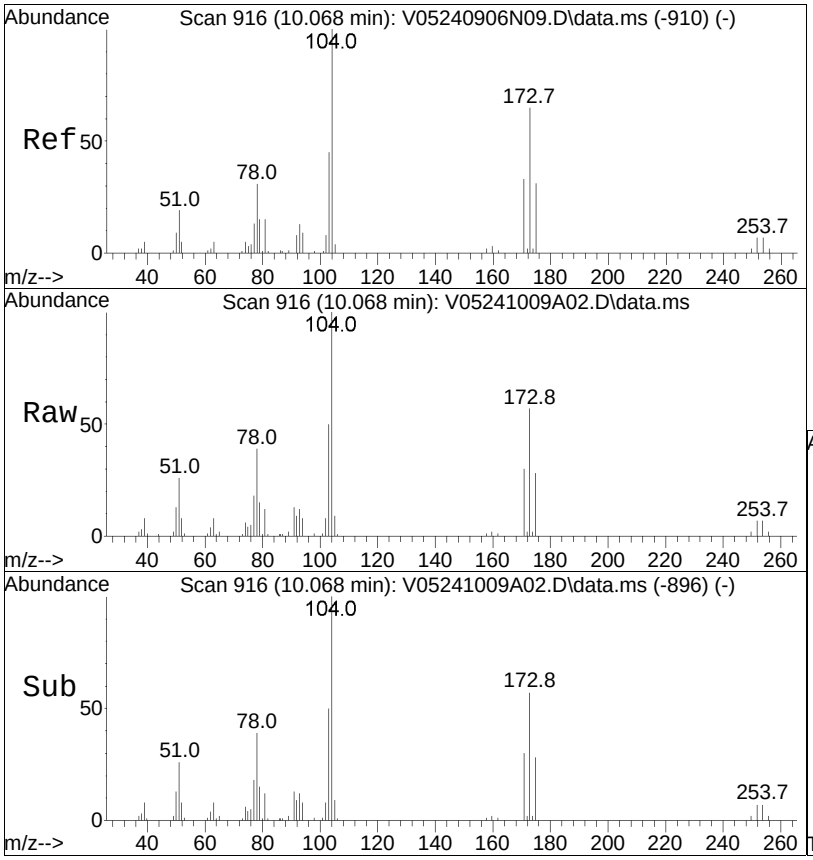


#78
Styrene
Concen: 21.10 ug/L
RT: 10.039 min Scan# 913
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:104 Resp: 632304

Ion	Ratio	Lower	Upper
104	100		
78	41.9	39.6	59.4

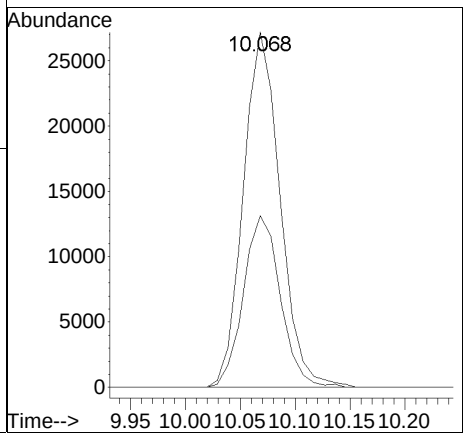


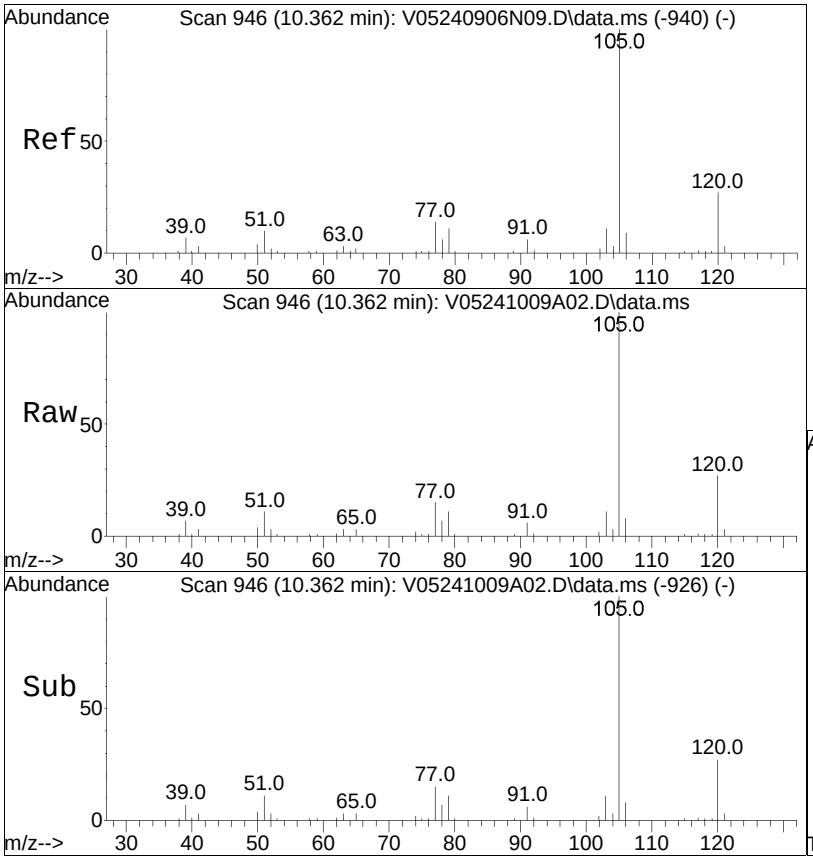


#80
Bromoform
Concen: 9.47 ug/L
RT: 10.068 min Scan# 916
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:173 Resp: 63463

Ion	Ratio	Lower	Upper
173	100		
175	48.7	26.6	66.6

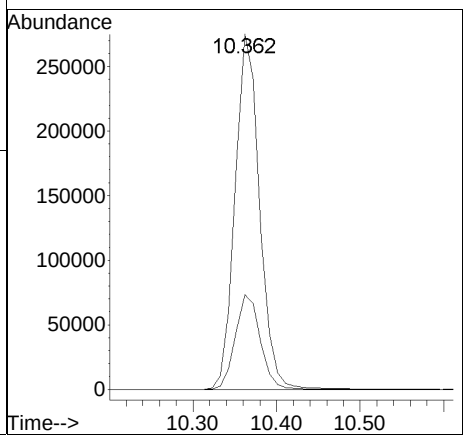


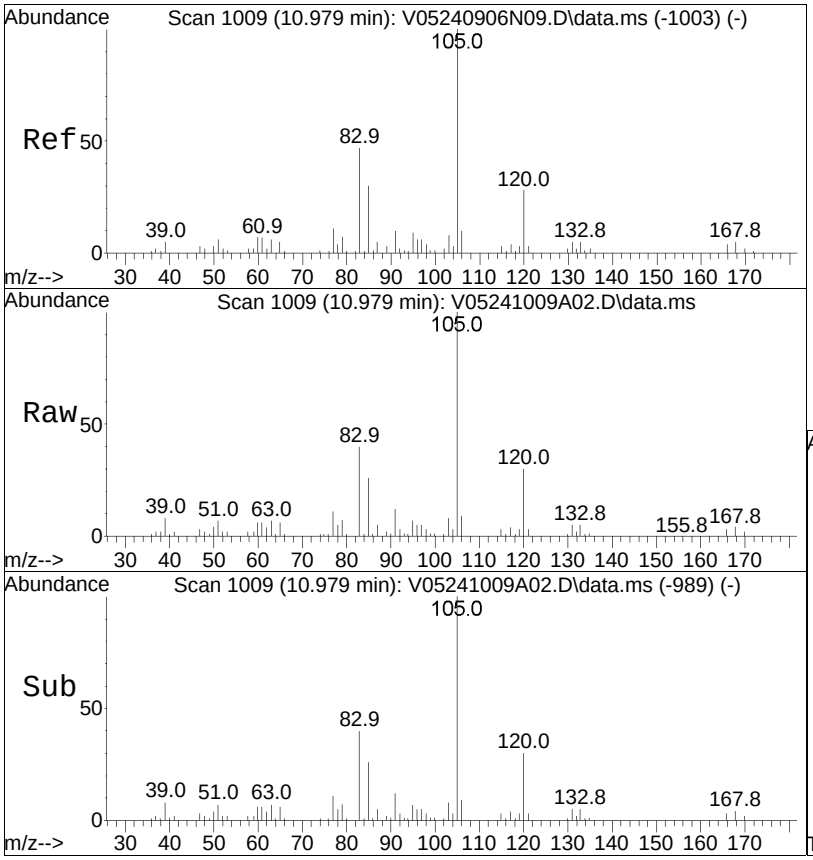


#82
Isopropylbenzene
Concen: 10.71 ug/L
RT: 10.362 min Scan# 946
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:105 Resp: 560278

Ion	Ratio	Lower	Upper
105	100		
120	27.3	4.8	44.8

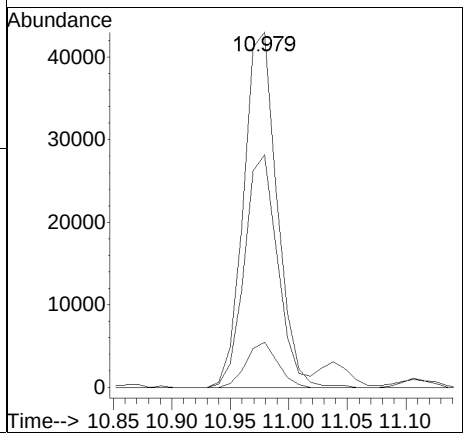


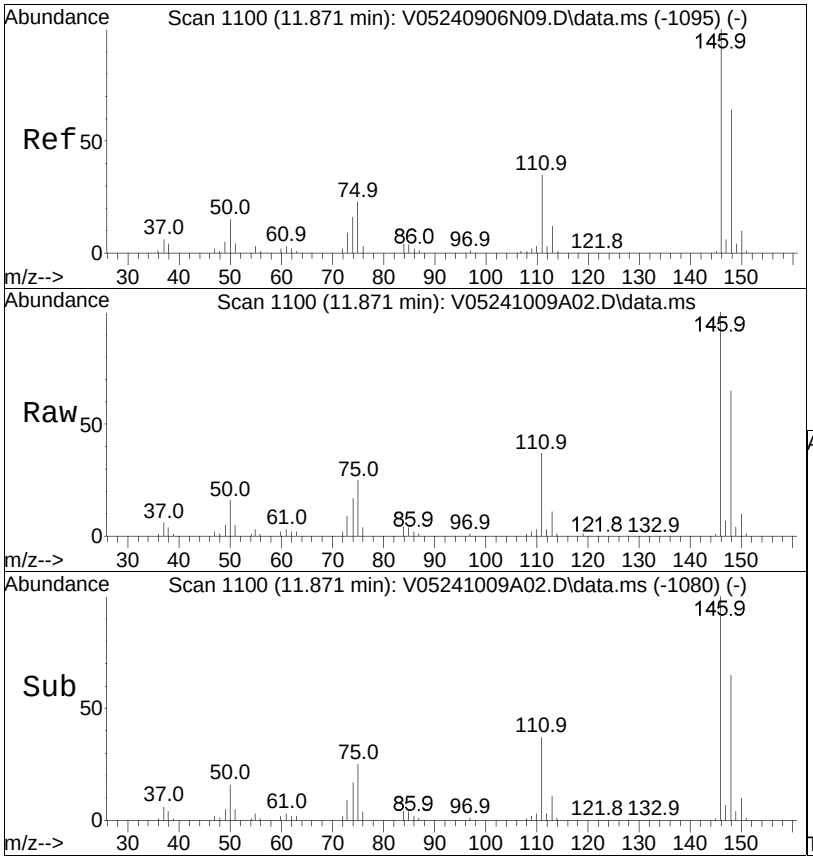


#87
1,1,2,2-Tetrachloroethane
Concen: 9.41 ug/L
RT: 10.979 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion: 83 Resp: 85475

Ion	Ratio	Lower	Upper
83	100		
131	12.1	0.0	30.4
85	65.6	46.4	86.4

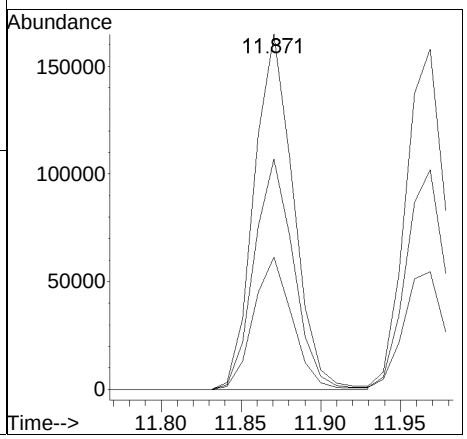


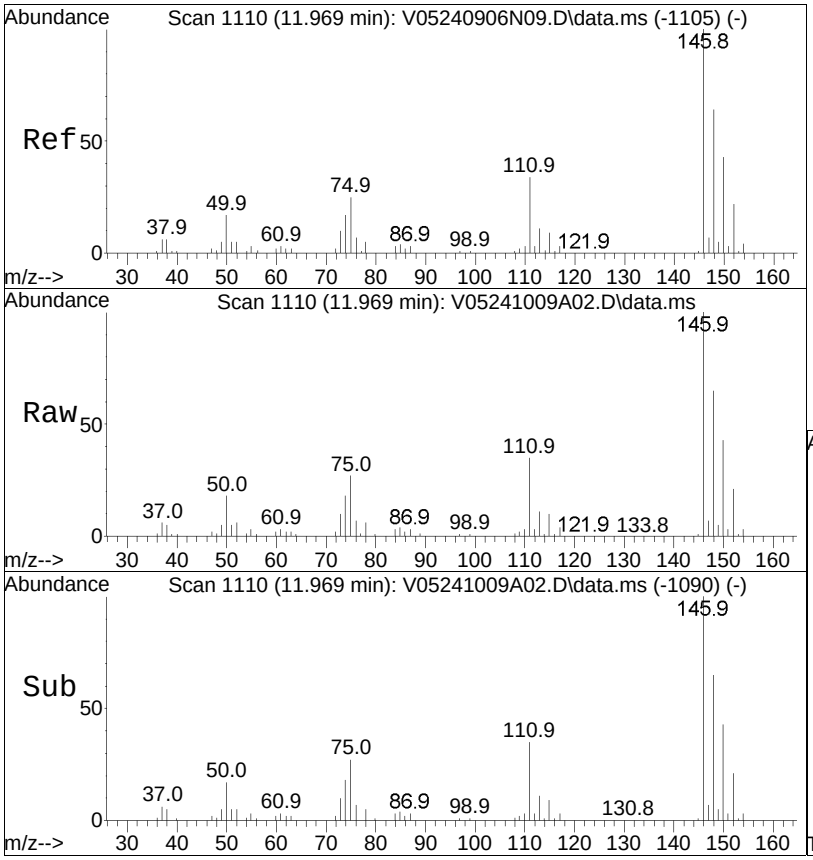


#100
1,3-Dichlorobenzene
Concen: 10.39 ug/L
RT: 11.871 min Scan# 1100
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:146 Resp: 282259

Ion	Ratio	Lower	Upper
146	100		
111	36.6	28.0	58.1
148	64.8	41.6	86.4

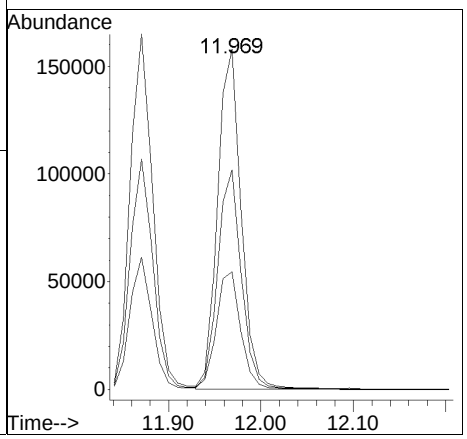


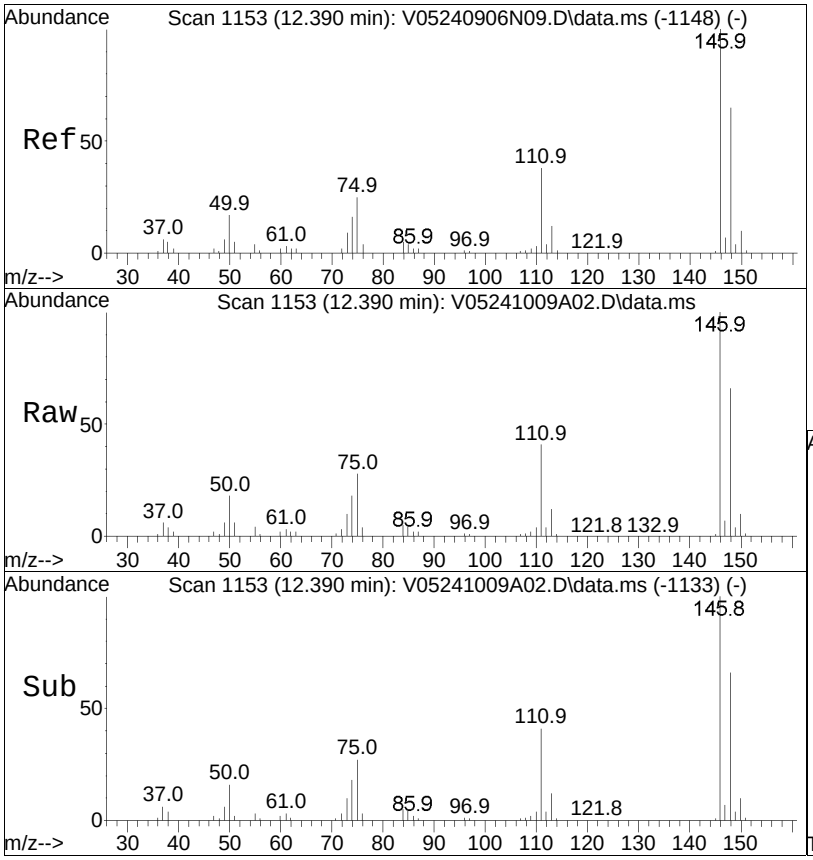


#101
1,4-Dichlorobenzene
Concen: 10.09 ug/L
RT: 11.969 min Scan# 1110
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:146 Resp: 281699

Ion	Ratio	Lower	Upper
146	100		
111	36.2	33.8	50.6
148	64.7	51.0	76.6

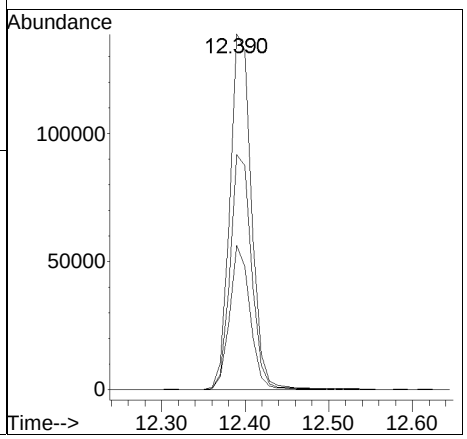


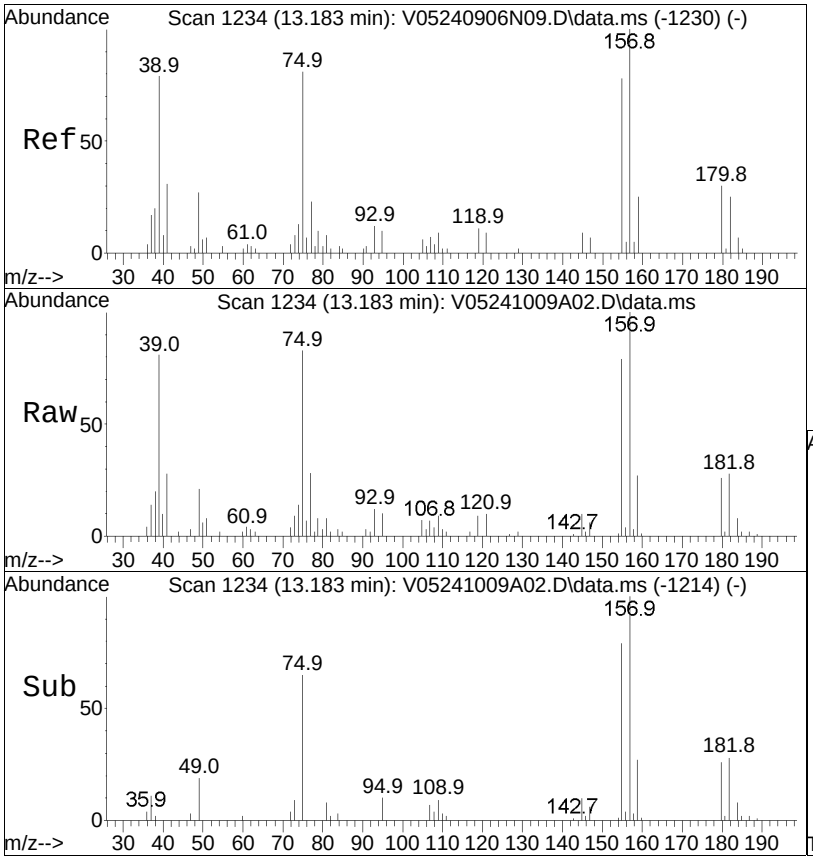


#104
1,2-Dichlorobenzene
Concen: 10.19 ug/L
RT: 12.390 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:146 Resp: 249965

Ion	Ratio	Lower	Upper
146	100		
111	38.3	29.1	60.5
148	65.2	41.7	86.7

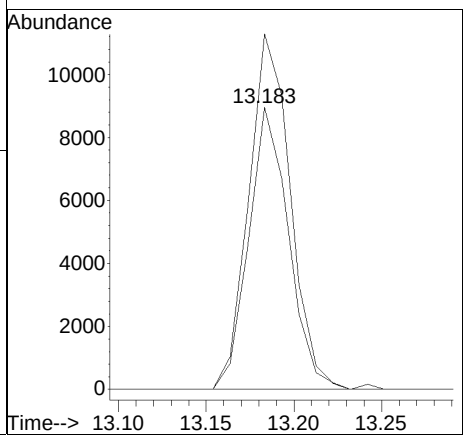


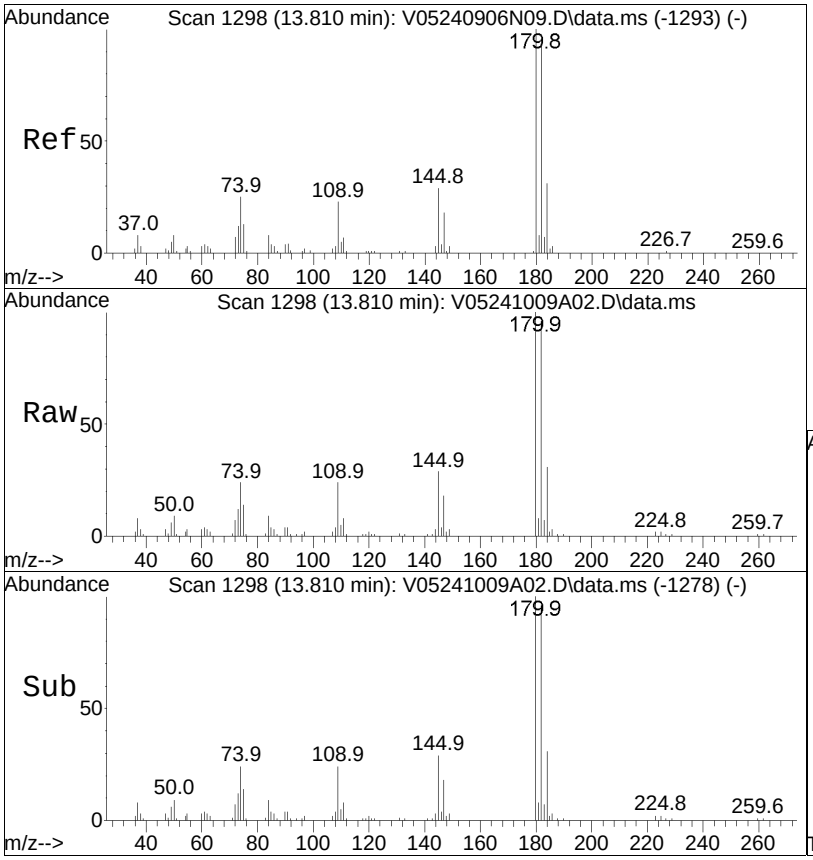


#106
1,2-Dibromo-3-chloropropane
Concen: 8.98 ug/L
RT: 13.183 min Scan# 1234
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:155 Resp: 14154

Ion	Ratio	Lower	Upper
155	100		
157	131.9	105.0	157.6

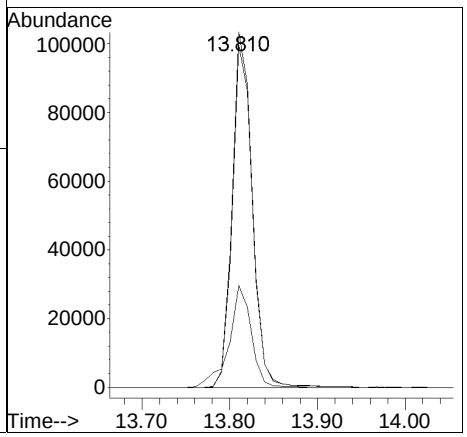


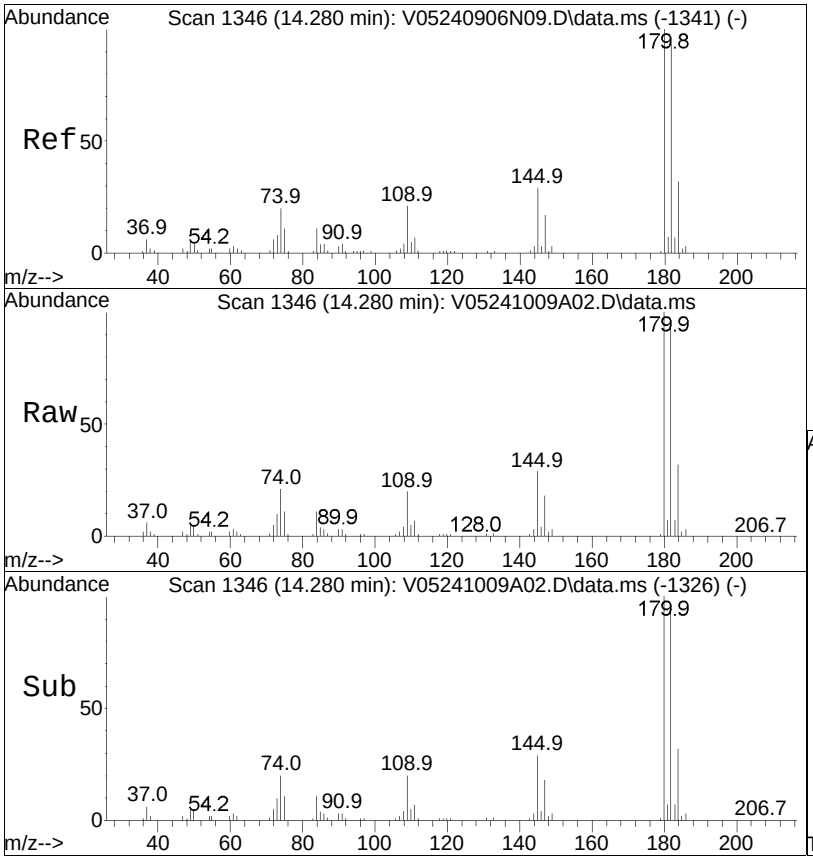


#109
1,2,4-Trichlorobenzene
Concen: 10.09 ug/L
RT: 13.810 min Scan# 1298
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:180 Resp: 165258

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.2	112.8
145	31.6	27.4	41.2

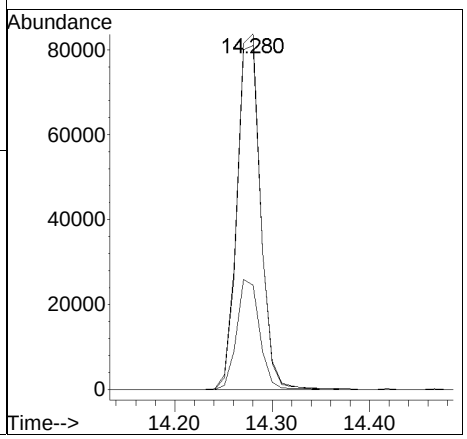




#111
1,2,3-Trichlorobenzene
Concen: 10.13 ug/L
RT: 14.280 min Scan# 1346
Delta R.T. 0.000 min
Lab File: V05241009A02.D
Acq: 9 Oct 2024 7:04 am

Tgt Ion:180 Resp: 140994

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.5	113.3
145	30.0	26.5	39.7



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 10 2024, 01:30 pm

Work Group: WG1982134 for Department: 31 GC/MS - Volatiles

Created: 09-OCT-24 Due: Operator: PID

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2457110-01	MW-3	S	NYTCL-8260	WATER	DONE	U	1016	1009	S0	Vial-B
L2457227-06	MW13	S	NYTCL-8260	WATER	DONE	U	1016	1010	S0	Vial-B
L2457400-01	WC 244610-01	S	NYTCL-8260	WATER	DONE	U	1016	1010	S0	Vial-B
L2457484-01	MW-1 (10-1-24)	S	NYTCL-8260-R2	WATER	DONE	U	1015	1010	S0	Vial-B
L2457484-02	MW-3 (10-1-24)	S	NYTCL-8260-R2	WATER	DONE	U	1015	1010	S0	Vial-B
L2457484-03	MW-7 (10-1-24)	S	NYTCL-8260-R2	WATER	DONE	U	1015	1010	S0	Vial-B
L2457484-04	MW-8 (10-1-24)	S	NYTCL-8260-R2	WATER	DONE	U	1015	1010	S0	Vial-B
L2457484-05	TRIP BLANK (10-1-24)	S	NYTCL-8260-R2	WATER	DONE	U	1015	1010	S0	Vial-B
WG1982134-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1982134-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1982134-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1982134-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1982134-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG1982134-3	Laboratory Control S	S	NYTCL-8260	WATER	DACQ	U				
WG1982134-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG1982134-4	LCS Duplicate	S	NYTCL-8260	WATER	DACQ	U				
WG1982134-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				
WG1982134-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DACQ	U				

Comments:

WG1982134-4 WG1982134-3

Method

Inst: VOA105 BFB: V10618 GC: 8260

Initials: TMS IS/SS: V10637 Autosampler: 8260wate

Date: **09/06/24** ICAL: V10649B,V10651 Concentrator: 8260

Run: **N** ICV: V10652,V10620,V10621,V10638,V10653,V10654 QC:_____ Seq:_____

Vial	Data File	Sample	
1	V05240906NBF1	BFB TUNE	
1	V05240906N01	BLK	
2	V05240906N02	BLK	
3	V05240906N03	I8260STD0.19PPB	
4	V05240906N04	I8260STD0.19PPB	
5	V05240906N05	I8260STD0.5PPB	
6	V05240906N06	I8260STD0.5PPB	
7	V05240906N07	I8260STD2PPB	
8	V05240906N08	I8260STD2PPB	
9	V05240906N09	I8260STD10PPB	
10	V05240906N10	I8260STD30PPB	
11	V05240906N11	I8260STD80PPB	
12	V05240906N12	I8260STD120PPB	
13	V05240906N13	I8260STD200PPB	
14	V05240906N14	BLK	
15	V05240906N15	BLK	
16	V05240906N16	BLK	
17	V05240906N17	BLK	
18	V05240906N18	C8260STD10PPB	
19	V05240906N19	C8260STD10PPB	
20	V05240906N20	BLK	
21	V05240906N21	BLK	
22	V05240906N22	MDL 0.5PPB	
23	V05240906N23	MDL 0.5PPB	
24	V05240906N24	MDL 2PPB	
25	V05240906N25	MDL 2PPB	
26	V05240906N26	BLK	

Method

Inst: VOA105 BFB: V10678 GC: 8260

Initials: MJV IS/SS: V10711 Autosampler: 8260wate

Date: **10/09/24** ICAL: V10708A,V10716 Concentrator: 8260

Run: **A** QC:_____ Seq:_____

Vial	Data File	Sample			
1	V05241009ABF1	BFB TUNE 06:24			
1	V05241009A01	8260 CCAL LCS			
2	V05241009A02	8260 CCAL LCSD			
3	V05241009A03	8260 CCAL			
4	V05241009A04	BLK			
5	V05241009A05	METHOD BLK			
6	V05241009A06	I2457110-01,31,10,10,,a	NYTCL		pH<2
7	V05241009A07	I2456931-05d,31,2.0,10,,b	8260 NH	COMP VIAL	pH<2
8	V05241009A08	I2457227-06d,31,2.0,10,,c	NYTCL	FOAM	pH<2
9	V05241009A09	I2457115-06d,31,2.0,10,,c	8260		pH<2
10	V05241009A10	I2457097-06d,31,4.0,10,,c	NY/R2		pH<2
11	V05241009A11	I2457219-01d2,31,1.0,10,,c	8260NH/124TMB		pH<2
12	V05241009A12	I2457219-05d,31,2.5,10,,c	8260NH/124TMB		pH<2
13	V05241009A13	d STD BENZ			
14	V05241009A14	I2457484-01,31,10,10,,a	NY/R2		pH<2
15	V05241009A15	I2457484-02,31,10,10,,a	NY/R2		pH<2
16	V05241009A16	I2457484-03,31,10,10,,a	NY/R2		pH<2
17	V05241009A17	I2457484-04,31,10,10,,a	NY/R2		pH<2
18	V05241009A18	I2457484-05,31,10,10,,a	NY/R2	TB	pH<2
19	V05241009A19	I2457400-01d,31,0.2,10,,a	NYTCL	FOAM	pH<2
20	V05241009A20	I2457156-01,31,10,10,,a	ME/CCL4		pH<2
21	V05241009A21	I2457575-01,31,10,10,,a	8260 NH		pH<2
22	V05241009A22	I2457575-02,31,10,10,,a	8260 NH		pH<2
23	V05241009A23	I2457575-03,31,10,10,,a	8260 NH		pH<2
24	V05241009A24	I2457575-04,31,10,10,,a	8260 NH		pH<2
25	V05241009A25	I2457575-05,31,10,10,,a	8260 NH		pH<2
26	V05241009A26	I2457584-01d,31,2.5,10,,a	NYTCL/10	SHEEN	pH<2
27	V05241009A27	HSTD			
28	V05241009A28	BLK			
29	V05241009A29	BLK			

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Ansco, Binghamton, NY
Alpha Analytical SDG#L2457484
January 5, 2025
Sampling date: 10/1/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for C&S Engineers, project located at Ansco, 6 Emma St., Binghamton, NY, Alpha Analytical #L2457484 submitted to Vali-Data of WNY, LLC on October 11, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using the USEPA method Volatile Organics (8260D).

DUSR ID	Sample ID	Laboratory ID
1	MW-1 (10-1-24)	L2457484-01
2	MW-3 (10-1-24)	L2457484-02
3	MW-7 (10-1-24)	L2457484-03
4	MW-8 (10-1-24)	L2457484-04
5	TRIP BLANK (10-1-24)	L2457484-05

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	Qualifier	Associated Sample
WG1982134	Bromomethane	35	38	UJ	1-5

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met Acetone was detected in DUSR ID#5. This target analyte was not detected in the associated samples, so no further action is required.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibrations and initial calibration verifications. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

ICal/ICV instrument	Target analyte	RRF/%D	Qualifier	Associated Sample
ICal & ICV VOA105	1,4-Dioxane	RRF	UJ/J	WG1982134, 1-5
ICal & ICV VOA105	1,1,2-Trichloroethane	RRF	UJ/J	WG1982134, 1-5
ICV VOA105	Bromodichloromethane	RRF	UJ/J	WG1982134, 1-5

Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

Ccal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1982134-2	1,4-Dioxane	RRF	UJ/J	WG1982134, 1-5
WG1982134-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1982134, 1-5
WG1982134-2	Bromomethane	65	UJ/J	WG1982134, 1-5

Several target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2457484-01: The sample identified as "MW-1 (10-1-24)" on the chain of custody was identified as "MW-1 (10-3-24)" on the container label. At the client's request, the sample is reported as "MW-1 (10-1-24)".
L2457484-02: The sample identified as "MW-3 (10-1-24)" on the chain of custody was identified as "MW-3 (10-3-24)" on the container label. At the client's request, the sample is reported as "MW-3 (10-1-24)".
L2457484-03: The sample identified as "MW-7 (10-1-24)" on the chain of custody was identified as "MW-7 (10-3-24)" on the container label. At the client's request, the sample is reported as "MW-7 (10-1-24)".
L2457484-04: The sample identified as "MW-8 (10-1-24)" on the chain of custody was identified as "MW-8 (10-3-24)" on the container label. At the client's request, the sample is reported as "MW-8 (10-1-24)".
L2457484-05: The sample identified as "TRIP BLANK (10-1-24)" on the chain of custody was identified as "TRIP BLANK (10-3-24)" on the container label. At the client's request, the sample is reported as "TRIP BLANK (10-1-24)".

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

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

Title: Technical Director/Representative

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1982134-3 **Analysis Date** : 10/09/24 06:38	**File ID**	: V05241009A01
LCSD Sample ID	: WG1982134-4 **Analysis Date** : 10/09/24 07:04	**File ID**	: V05241009A02

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-01	**Date Collected**	: 10/01/24 14:50
Client ID	: MW-1 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	1.5	2.5	0.70	J
56-23-5	Carbon tetrachloride	0.22	0.50	0.13	J
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	4.6	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	0.90	2.5	0.70	J
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-01	**Date Collected**	: 10/01/24 14:50
Client ID	: MW-1 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.3	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	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.2	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-01	**Date Collected**	: 10/01/24 14:50
Client ID	: MW-1 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-02	**Date Collected**	: 10/01/24 13:15
Client ID	: MW-3 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	1.2	2.5	0.70	J
56-23-5	Carbon tetrachloride	0.18	0.50	0.13	J
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	11	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	2.3	2.5	0.70	J
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-02	**Date Collected**	: 10/01/24 13:15
Client ID	: MW-3 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.1	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	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	5.6	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-02	**Date Collected**	: 10/01/24 13:15
Client ID	: MW-3 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A15	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-03	**Date Collected**	: 10/01/24 15:48
Client ID	: MW-7 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.94	2.5	0.70	J
56-23-5	Carbon tetrachloride	0.14	0.50	0.13	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.44	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-03	**Date Collected**	: 10/01/24 15:48
Client ID	: MW-7 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.3	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	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.9	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-03	**Date Collected**	: 10/01/24 15:48
Client ID	: MW-7 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 12:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-04	**Date Collected**	: 10/01/24 11:30
Client ID	: MW-8 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	0.28	0.50	0.13	J
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	1.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-04	**Date Collected**	: 10/01/24 11:30
Client ID	: MW-8 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	3.8	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	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-04	**Date Collected**	: 10/01/24 11:30
Client ID	: MW-8 (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-05	**Date Collected**	: 10/01/24 00:00
Client ID	: TRIP BLANK (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-05	**Date Collected**	: 10/01/24 00:00
Client ID	: TRIP BLANK (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.6	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: L2457484-05	**Date Collected**	: 10/01/24 00:00
Client ID	: TRIP BLANK (10-1-24)	**Date Received**	: 10/03/24
Sample Location	: 16 EMMA ST, BINHAMPTON,NY	**Date Analyzed**	: 10/09/24 13:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05241009A18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: WG1982134-5	**Date Collected**	: NA
Client ID	: WG1982134-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/09/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: WG1982134-5	**Date Collected**	: NA
Client ID	: WG1982134-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/09/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2457484
Project Name	: FORMER ANSCO CAMERA FACTORY	**Project Number**	: U35.003.011
Lab ID	: WG1982134-5	**Date Collected**	: NA
Client ID	: WG1982134-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 10/09/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V05241009A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: C&S Companies**	**Lab Number**	**: L2457484**
Project Name	**: FORMER ANSCO CAMERA FACTORY**	**Project Number**	**: U35.003.011**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL21466**
Calibration dates	**: 09/06/24 17:39 09/06/24 21:53**		

Calibration Files

L11 =V05240906N03.D L1 =V05240906N05.D L2 =V05240906N07.D L3 =V05240906N09.D L4 =V05240906N10.D

L6 =V05240906N11.D L8 =V05240906N12.D L10 =V05240906N13.D

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

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2024\240906NICAL\
Data File : V05240906N18.D
Acq On : 7 Sep 2024 12:00 am
Operator : VOA105:PID
Sample : C8260STD10PPB
Misc : WG1969218,ICAL (Sig #1); WG,ICAL21168 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 11:35:35 2024
Quant Method : K:\VOA105\2024\240906NICAL\V105_240906N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 09 11:32:51 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.289	0.296	-2.4	108	0.00
44	TP	1,2-Dichloroethane	0.278	0.283	-1.8	108	0.00
47	TP	Methyl cyclohexane	0.386	0.404	-4.7	106	0.00
48	TP	Trichloroethene	0.251	0.248	1.2	105	0.00
50	TP	Dibromomethane	0.130	0.123	5.4	104	0.00
51	TP	1,2-Dichloropropane	0.210	0.215	-2.4	106	0.00
53	TP	2-Chloroethyl vinyl ether	0.113	0.092	18.6	100	0.00
54	TP	Bromodichloromethane	0.308	0.293#	4.9	104	0.00
57	TP	1,4-Dioxane	0.00131	0.00148#	-13.0	129	0.00
58	TP	cis-1,3-Dichloropropene	0.324	0.332	-2.5	109	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
60	S	Toluene-d8	1.208	1.233	-2.1	109	0.00
61	TP	Toluene	0.702	0.729	-3.8	107	0.00
62	TP	4-Methyl-2-pentanone	0.058	0.054	6.9	111	0.00
63	TP	Tetrachloroethene	0.370	0.381	-3.0	105	0.00
65	TP	trans-1,3-Dichloropropene	0.342	0.356	-4.1	109	0.00
67	TP	Ethyl methacrylate	0.231	0.220	4.8	114	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.181#	-4.0	109	0.00
69	TP	Chlorodibromomethane	0.296	0.288	2.7	107	0.00
70	TP	1,3-Dichloropropane	0.341	0.351	-2.9	106	0.00
71	TP	1,2-Dibromoethane	0.234	0.245	-4.7	109	0.00
72	TP	2-Hexanone	0.116	0.107	7.8	113	0.01
73	TP	Chlorobenzene	0.830	0.860	-3.6	109	0.00
74	TP	Ethylbenzene	1.402	1.401	0.1	101	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.305	0.303	0.7	107	0.00
76	TP	p/m Xylene	0.541	0.565	-4.4	104	0.00
77	TP	o Xylene	0.513	0.534	-4.1	104	0.00
78	TP	Styrene	0.849	0.897	-5.7	105	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	TP	Bromoform	0.296	0.287	3.0	112	0.00
82	TP	Isopropylbenzene	2.313	2.087	9.8	90	0.00
83	S	4-Bromofluorobenzene	0.694	0.699	-0.7	110	0.00
84	TP	Bromobenzene	0.608	0.574	5.6	101	0.00
85	TP	n-Propylbenzene	2.702	2.773	-2.6	102	0.00
86	TP	1,4-Dichlorobutane	0.581	0.577	0.7	104	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.402	0.383	4.7	104	0.00
88	TP	4-Ethyltoluene	2.252	2.467	-9.5	109	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	Lab Number	: L2457484		
Project Name	: FORMER ANSCO CAMERA FACTORY	Project Number	: U35.003.011		
Instrument ID	: VOA105	Calibration Date	: 10/09/24 06:38		
Lab File ID	: V05241009A01	Init. Calib. Date(s)	: 09/06/24	09/06/24	
Sample No	: WG1982134-2	Init. Calib. Times	: 17:39	21:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	140	0
Dichlorodifluoromethane	0.293	0.327	-	-11.6	20	139	0
Chloromethane	0.283	0.242	-	14.5	20	110	0
Vinyl chloride	0.246	0.264	-	-7.3	20	136	0
Bromomethane	0.12	0.042	-	65*	20	52	0
Chloroethane	10	8.398	-	16	20	124	.01
Trichlorofluoromethane	0.37	0.399	-	-7.8	20	137	0
Ethyl ether	0.089	0.073	-	18	20	113	0
1,1-Dichloroethene	0.184	0.186	-	-1.1	20	131	0
Carbon disulfide	0.567	0.617	-	-8.8	20	141	0
Freon-113	0.202	0.211	-	-4.5	20	132	0
Acrolein	0.025	0.021	-	16	20	133	0
Methylene chloride	0.219	0.243	-	-11	20	150	0
Acetone	0.047	0.039	-	17	20	116	0
trans-1,2-Dichloroethene	0.218	0.243	-	-11.5	20	147	0
Methyl acetate	0.104	0.098	-	5.8	20	140	0
Methyl tert-butyl ether	0.479	0.433	-	9.6	20	127	0
tert-Butyl alcohol	0.011	0.01	-	9.1	20	150	0
Diisopropyl ether	0.729	0.777	-	-6.6	20	148	0
1,1-Dichloroethane	0.396	0.464	-	-17.2	20	151	0
Halothane	0.175	0.198	-	-13.1	20	149	0
Acrylonitrile	0.055	0.047	-	14.5	20	122	0
Ethyl tert-butyl ether	0.537	0.582	-	-8.4	20	153	0
Vinyl acetate	0.434	0.438	-	-0.9	20	157	0
cis-1,2-Dichloroethene	0.247	0.267	-	-8.1	20	145	0
2,2-Dichloropropane	0.323	0.401	-	-24.1*	20	163	0
Bromochloromethane	0.119	0.129	-	-8.4	20	143	0
Cyclohexane	0.382	0.474	-	-24.1*	20	154	0
Chloroform	0.414	0.441	-	-6.5	20	143	0
Ethyl acetate	0.167	0.147	-	12	20	140	0
Carbon tetrachloride	0.356	0.404	-	-13.5	20	150	0
Tetrahydrofuran	0.054	0.05	-	7.4	20	138	0
Dibromofluoromethane	0.279	0.285	-	-2.2	20	145	0
1,1,1-Trichloroethane	0.386	0.435	-	-12.7	20	146	-.01
2-Butanone	0.072	0.066	-	8.3	20	141	0
1,1-Dichloropropene	0.286	0.332	-	-16.1	20	150	0
Benzene	0.842	0.958	-	-13.8	20	147	0
tert-Amyl methyl ether	0.444	0.458	-	-3.2	20	146	0
1,2-Dichloroethane-d4	0.289	0.32	-	-10.7	20	149	0
1,2-Dichloroethane	0.278	0.303	-	-9	20	147	0
Methyl cyclohexane	0.386	0.422	-	-9.3	20	140	0
Trichloroethene	0.251	0.261	-	-4	20	140	0
Dibromomethane	0.13	0.13	-	0	20	140	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2457484	
Project Name	: FORMER ANSCO CAMERA FACTORY		Project Number	: U35.003.011	
Instrument ID	: VOA105		Calibration Date	: 10/09/24 06:38	
Lab File ID	: V05241009A01		Init. Calib. Date(s)	: 09/06/24	09/06/24
Sample No	: WG1982134-2		Init. Calib. Times	: 17:39	21:53
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.21	0.233	-	-11	20	147	0
Bromodichloromethane	0.308	0.319	-	-3.6	20	144	0
1,4-Dioxane	0.00131	0.00122*	-	6.9	20	136	0
cis-1,3-Dichloropropene	0.324	0.344	-	-6.2	20	144	0
Chlorobenzene-d5	1	1	-	0	20	137	0
Toluene-d8	1.208	1.256	-	-4	20	138	0
Toluene	0.702	0.762	-	-8.5	20	139	0
4-Methyl-2-pentanone	0.058	0.054	-	6.9	20	137	-.01
Tetrachloroethene	0.37	0.425	-	-14.9	20	145	0
trans-1,3-Dichloropropene	0.342	0.375	-	-9.6	20	143	0
Ethyl methacrylate	0.231	0.191	-	17.3	20	123	0
1,1,2-Trichloroethane	0.174	0.184*	-	-5.7	20	139	0
Chlorodibromomethane	0.296	0.303	-	-2.4	20	141	0
1,3-Dichloropropane	0.341	0.365	-	-7	20	137	0
1,2-Dibromoethane	0.234	0.231	-	1.3	20	129	0
2-Hexanone	0.116	0.101	-	12.9	20	133	0
Chlorobenzene	0.83	0.861	-	-3.7	20	135	0
Ethylbenzene	1.402	1.509	-	-7.6	20	136	0
1,1,1,2-Tetrachloroethane	0.305	0.325	-	-6.6	20	144	0
p/m Xylene	0.541	0.598	-	-10.5	20	137	0
o Xylene	0.513	0.558	-	-8.8	20	135	0
Styrene	0.849	0.899	-	-5.9	20	131	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
Bromoform	0.296	0.273	-	7.8	20	135	0
Isopropylbenzene	2.313	2.483	-	-7.3	20	135	0
4-Bromofluorobenzene	0.694	0.726	-	-4.6	20	144	-.01
Bromobenzene	0.608	0.611	-	-0.5	20	135	0
n-Propylbenzene	2.702	2.902	-	-7.4	20	134	0
1,4-Dichlorobutane	0.581	0.538	-	7.4	20	122	0
1,1,2,2-Tetrachloroethane	0.402	0.368	-	8.5	20	126	0
4-Ethyltoluene	2.252	2.422	-	-7.5	20	136	0
2-Chlorotoluene	1.524	1.658	-	-8.8	20	137	0
1,3,5-Trimethylbenzene	1.987	2.103	-	-5.8	20	132	0
1,2,3-Trichloropropane	0.312	0.298	-	4.5	20	128	0
trans-1,4-Dichloro-2-buten	0.133	0.112	-	15.8	20	116	0
4-Chlorotoluene	1.575	1.69	-	-7.3	20	136	0
tert-Butylbenzene	1.74	1.843	-	-5.9	20	133	0
1,2,4-Trimethylbenzene	1.903	1.995	-	-4.8	20	131	0
sec-Butylbenzene	2.546	2.719	-	-6.8	20	133	0
p-Isopropyltoluene	2.195	2.348	-	-7	20	132	0
1,3-Dichlorobenzene	1.201	1.218	-	-1.4	20	131	0
1,4-Dichlorobenzene	1.235	1.227	-	0.6	20	131	0
p-Diethylbenzene	1.271	1.299	-	-2.2	20	129	0

* Value outside of QC limits.